



Welcome to the World of AirBorn Interconnect Solutions

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AirBorn has been manufacturing high reliability interconnect systems for more than 45 years with leading-edge, innovative technology that is more reliable and better-performing than practically all other alternatives.

Our advanced technologies, experienced design support, incomparable lead times and personalized customer service and support provide customers with complete solutions to a vast array of highly specialized design requirements in diverse markets and applications.

You will find in this catalog technical drawings and specification information that will help you solve your interconnection needs from the design stage through production specification.

The products in this catalog are organized by the AirBorn part number assigned to them.

Each connector part number identifies five elements:

- AirBorn Series
- Body
- Size (number of contacts)
- Contact Type
- Hardware Type

Each catalog page shows the choices available for each of these elements. By selecting one option from any category on the page, you can build a set of connectors to meet your requirements.

If you do not find a particular connector size or option, please contact AirBorn for further assistance. AirBorn can manufacture special configurations for your exact specifications.

When everything matters, go AirBorn.

www.AirBorn.com

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MEDs Interconnect Pte Ltd

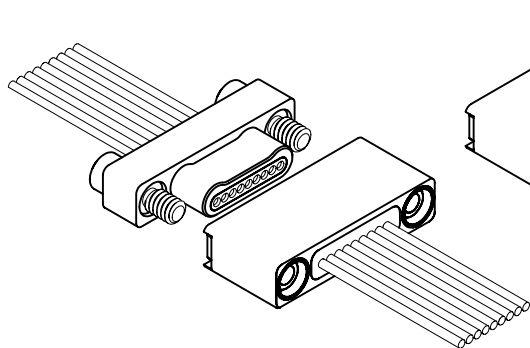
5012 Ang Mo Kio 5, #03-09 Techplace II (East Wing), Singapore 569876

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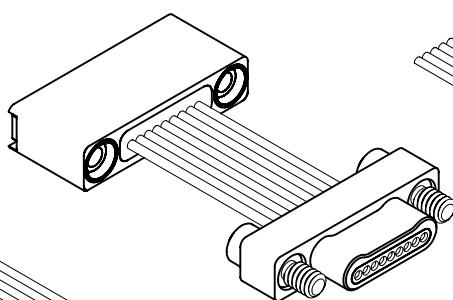


"N" SERIES - .025"

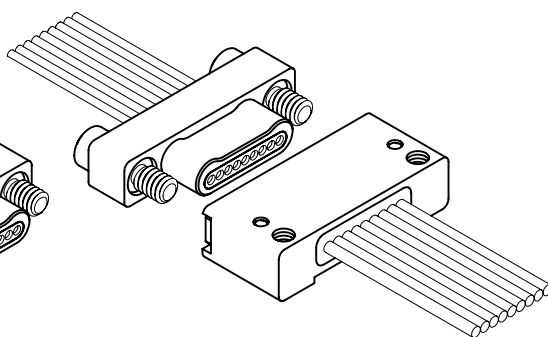
Nano Connectors **Cable to Cable** **One Row**



Cable to Cable
Sizes: 9 thru 51
Page: N-9

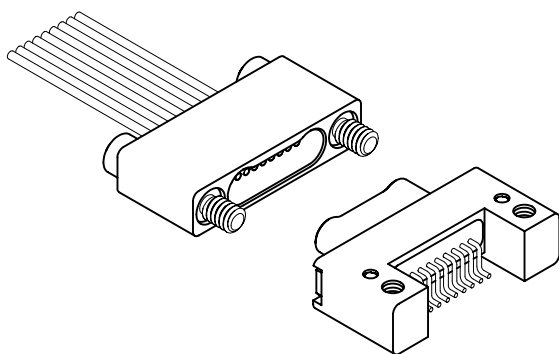


Cable to Cable, Jumpers
Sizes: 9 thru 51
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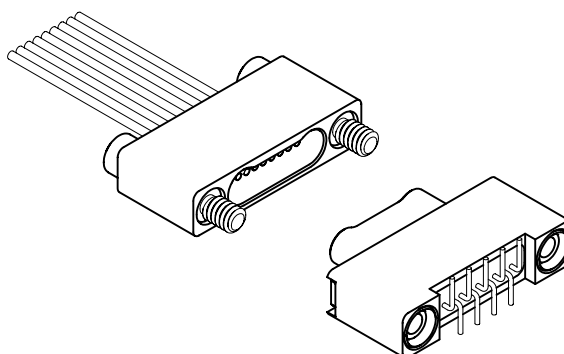


Cable to Cable, with Mounting Holes
Sizes: 9 thru 51
Page: N-13 & N-15

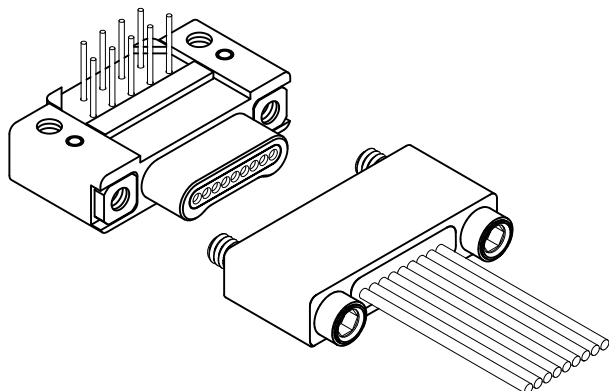
Nano Connectors **Board to Cable** **One Row**



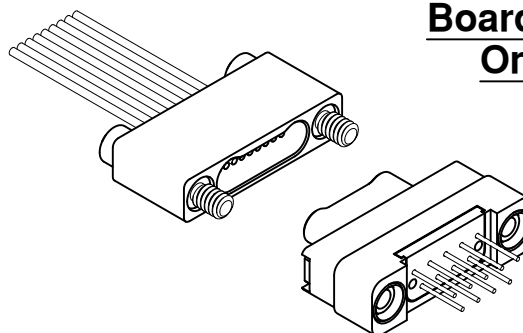
Cable to Horizontal SMT
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Cable to Vertical SMT
Sizes: 9 thru 51
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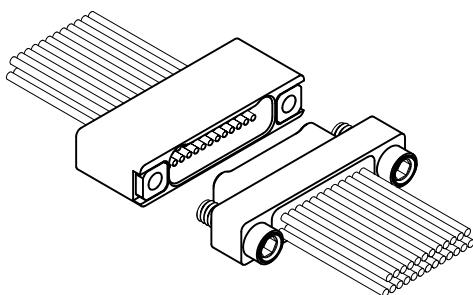
Nano Connectors
Board to Cable
One Row



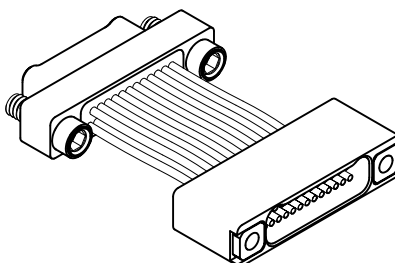
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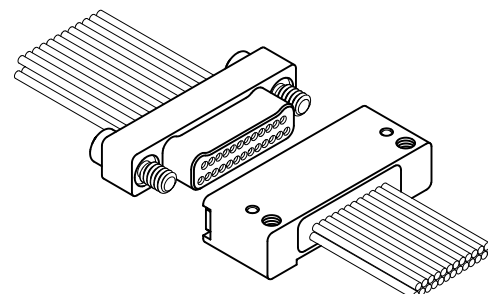
Nano Connectors
Cable to Cable
Two Row



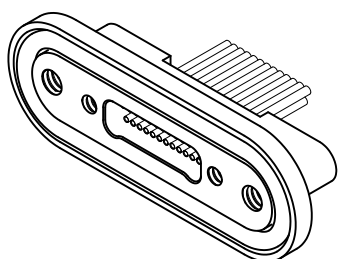
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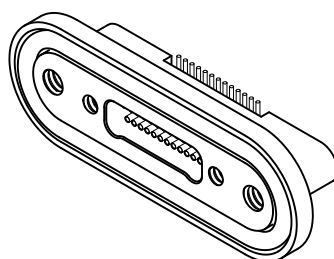
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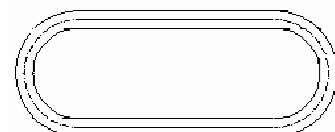


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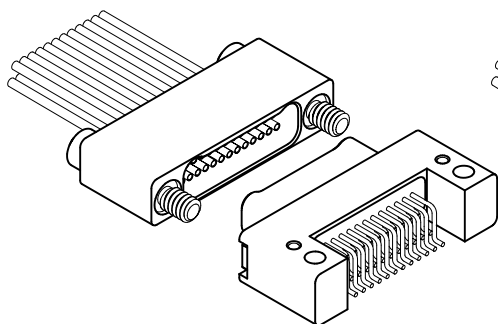
Nano Connectors
Rear Panel Mount
Two Row



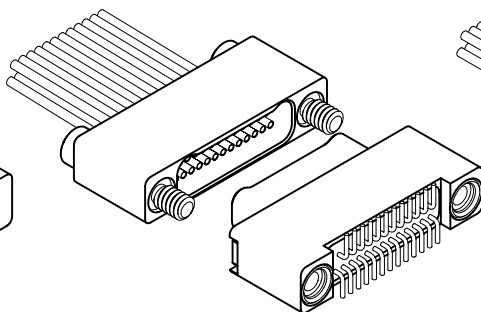
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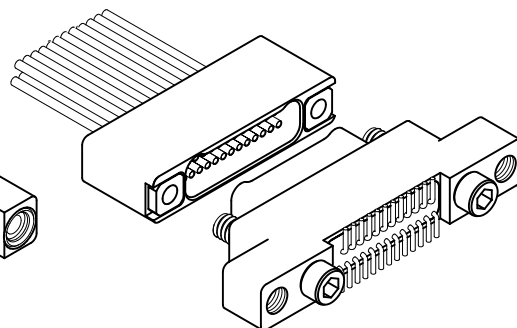
Nano Connectors **Board to Cable** **Two Row**



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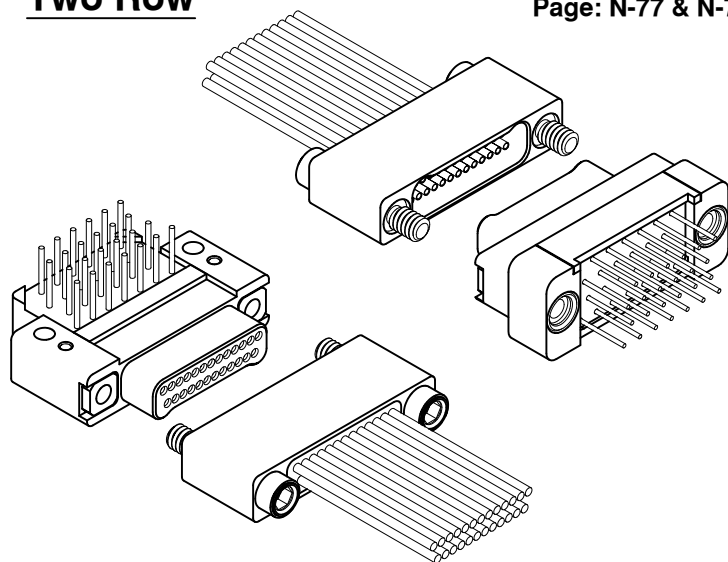


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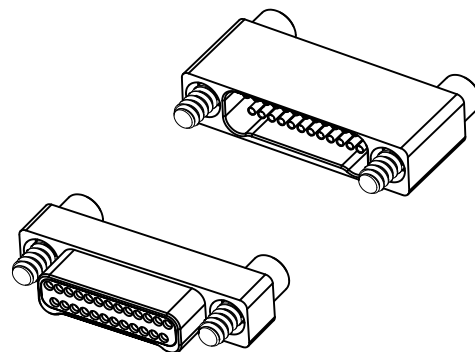
Nano Connectors **Board to Cable** **Two Row**



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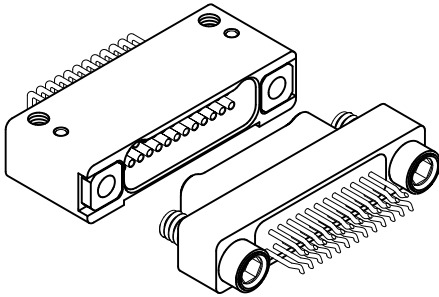
Nano Connectors **Shorting Connectors**



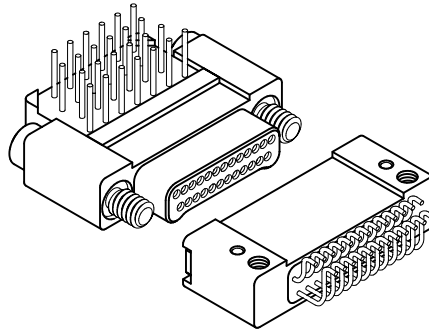
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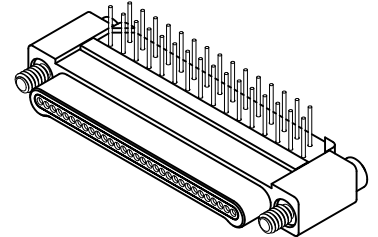
Nano Connectors Flex to Board One & Two Row



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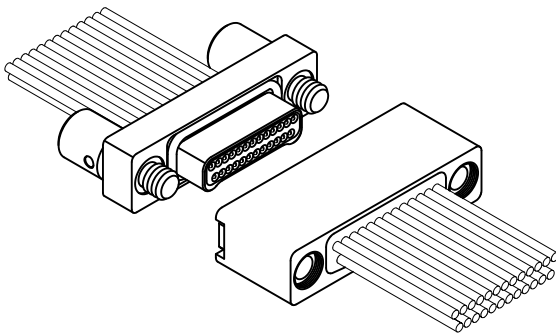


Right Angle Flex Mount
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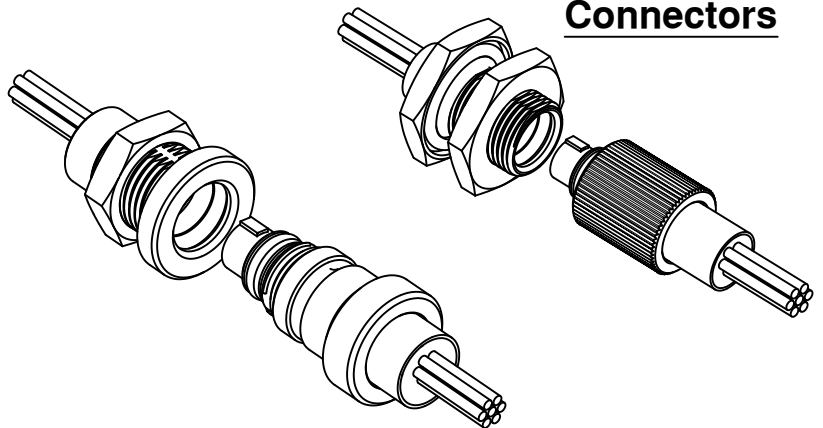
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Sizes: 9 thru 51
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Nano Connectors Splashproof Two Row



Cable to Cable, Splashproof
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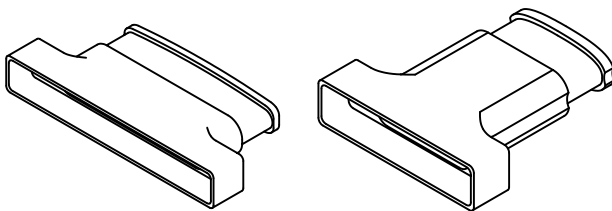
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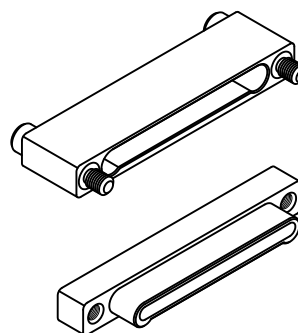
Threaded Coupling
Sizes: 7 & 19
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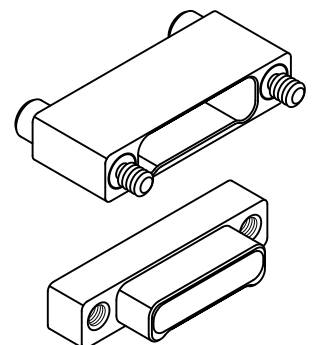


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.025" Nanominiature PCB and I/O Connectors

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Specifications

Materials and Finishes *

Contacts:	Pins: BeCu alloy strip per ASTM-B-194 Sockets: BeCu per ASTM-B-194 or NiAg per ASTM-B-122
Embedment:	Insulating compound per MIL-I-16923
Contact Finish:	Gold plate per ASTM B 488, SAE AMS 2422
Molded Insulators:	Glass filled liquid crystal polymer (LCP) per ASTM D5138 or MIL-M-24519
Shell:	Aluminum 6061-T6 per SAE AMS-QQ-A-250/11 or 6061-T6511 per SAE AMS-QQ-A-200/8 - OR - 303 Stainless Steel per ASTM A581/A581M or ASTM A582/A582M Passivated per SAE AMS-2700 - OR- Titanium per SAE-AMS-T-9046 Passivated per ASTM-B-600
Aluminum Shell Finishes:	Electroless Nickel per SAE AMS-C-26074 -OR- Electrodeposited Cadmium per SAE AMS-QQ-P-416
Hardware:	Corrosion resistant steel per ASTM A581/A581M or ASTM A582/A582M Passivated per SAE AMS-2700
Tolerances:	Unless otherwise specified: Decimals = .XXX = ±.005" .XXXX = ±.0050" Angles = ±2°

Note: AirBorn can manufacture special configurations for your exact specifications.

* = Reference the above listed specifications or an equivalent industry standard when applicable



Performance Reference M32139

AirBorn "N" Series meets or exceeds M32139 Performance Specifications

Contact Rating:	1-amperes maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Operating Temperature:	-55° C to +125° C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-31, Condition A (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce minimum, with maximum diameter test sleeve

Part Number Description

Each connector part number consists of at least five elements: series, body description, size (number of contacts), type of contacts, and type of hardware. A sixth element is added whenever special modifications or options are available.

Each catalog page shows the choices available for each of these elements. By selecting one option from each category on the page, you can build a set of connectors to meet your requirements.

Each element is identified by a combination of letters and/or numbers in fixed field lengths, and separated by a hyphen (-). Each space must be filled in to complete the number. When the size, for example, is less than 100, indicate as 009, 051, etc.

Series:

This will always be a two letter designator, and will identify the connector series. All .025" connectors begin with the letter "N". The second letter designates the various styles of .025" connectors.

Body:

Each digit of the Body Designator will normally identify (1) the number of rows, (2) the style of body, and (3) the body materials. The three digit number to identify the body consists of one digit from each group.

Size:

The size is determined by the number of contacts in the connector, and is an integral part of the part number. Order only sizes shown on the catalog page unless otherwise noted.

Contacts:

Each page also identifies all contact options for a given connector. Mating contacts are shown on the page opposite from the description. The first two digits designate the type of contacts and terminations; the third digit designates the plating option.

Hardware:

The hardware designator is four digits; two for style of hardware and two for polarization or wiring instruction. Follow the choices for each connector.

Special Instructions (Options):

Special instructions are referenced by a three digit number added to the end of the part number. The last three digits are included only when applicable. AirBorn, Inc. will provide individual code numbers as needed.

Note:

Each page is as comprehensive as possible. However, if you do not find a particular connector size or option, please contact the factory for further assistance.

☒ Symbolizes options that are not ROHS compliant.

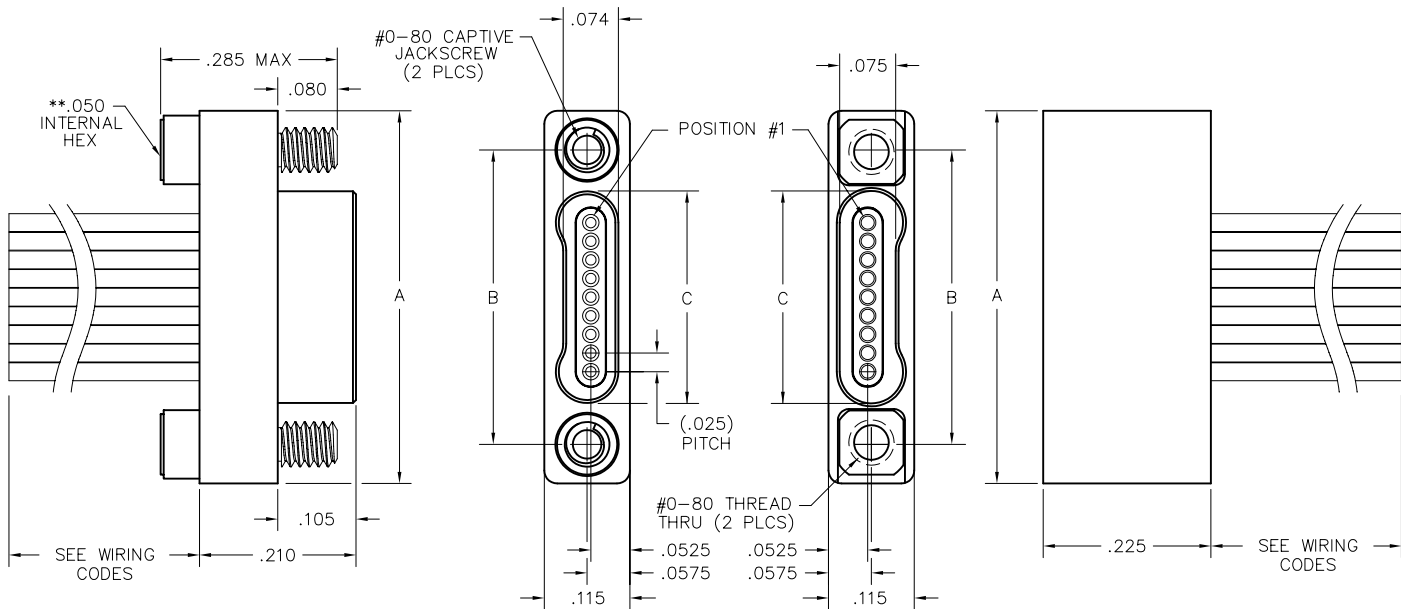
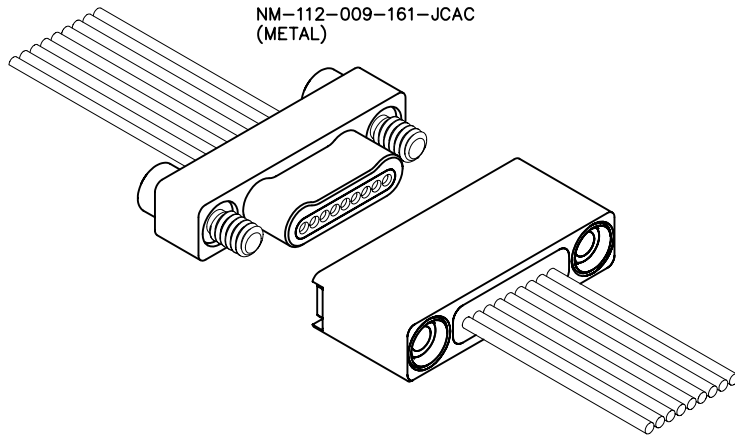
1 • ROW

Cable to Cable

.025"

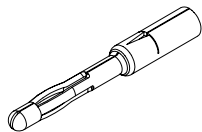
NM, NM

9 thru 51 Contacts



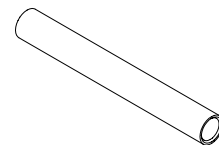
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C	
			PLUG	RCPT
9	.500	.395	.284	.285
15	.650	.545	.434	.435
21	.800	.695	.584	.585
25	.900	.795	.684	.685
31	1.050	.945	.834	.835
37	1.200	1.095	.984	.985
51	1.550	1.445	1.334	1.335



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NM-112-009-161-JCAC
RECEPTACLE: NM-122-009-261-THAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NM .025" Metal I/O Connector

NM .025" Metal I/O Connector

BODY

1 1-Row

1 1-Row

BODY STYLE:

1 Plug, straight

5 Plug, straight with factory installed backshell
(See page NA-4)

BODY STYLE:

2 Receptacle, straight

6 Receptacle, straight with factory installed backshell
(See page NA-4)

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited
cadmium shell ☒

4 Liquid Crystal Polymer w/ stainless steel shell ***

5 Liquid Crystal Polymer w/ titanium shell ***

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited
cadmium shell ☒

4 Liquid Crystal Polymer w/ stainless steel shell ***

5 Liquid Crystal Polymer w/ titanium shell ***

SIZE

XXX Number of contacts (009, 015, 021, 025, 031,
037 or 051)

XXX Number of contacts (009, 015, 021, 025, 031,
037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

16 Pin, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

1 50 u" Au contacts

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

00 None ***

JC Turning jackscrews, captivated #0-80 UNF*

TH Threaded hole**, #0-80 UNF (body material
2 and 3 only)

STYLE OF HARDWARE:

00 None ***

JC Turning jackscrews, captivated #0-80 UNF* (body
material 2 and 3 only)

TH Threaded hole**, #0-80 UNF

WIRING OPTIONS:

XX See wiring codes, Page NA-3.10

WIRING OPTIONS:

XX See wiring codes, Page NA-3.10

* = Recommended torque value 1.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

1 • ROW

Cable to Cable

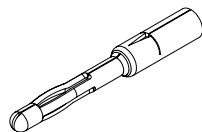
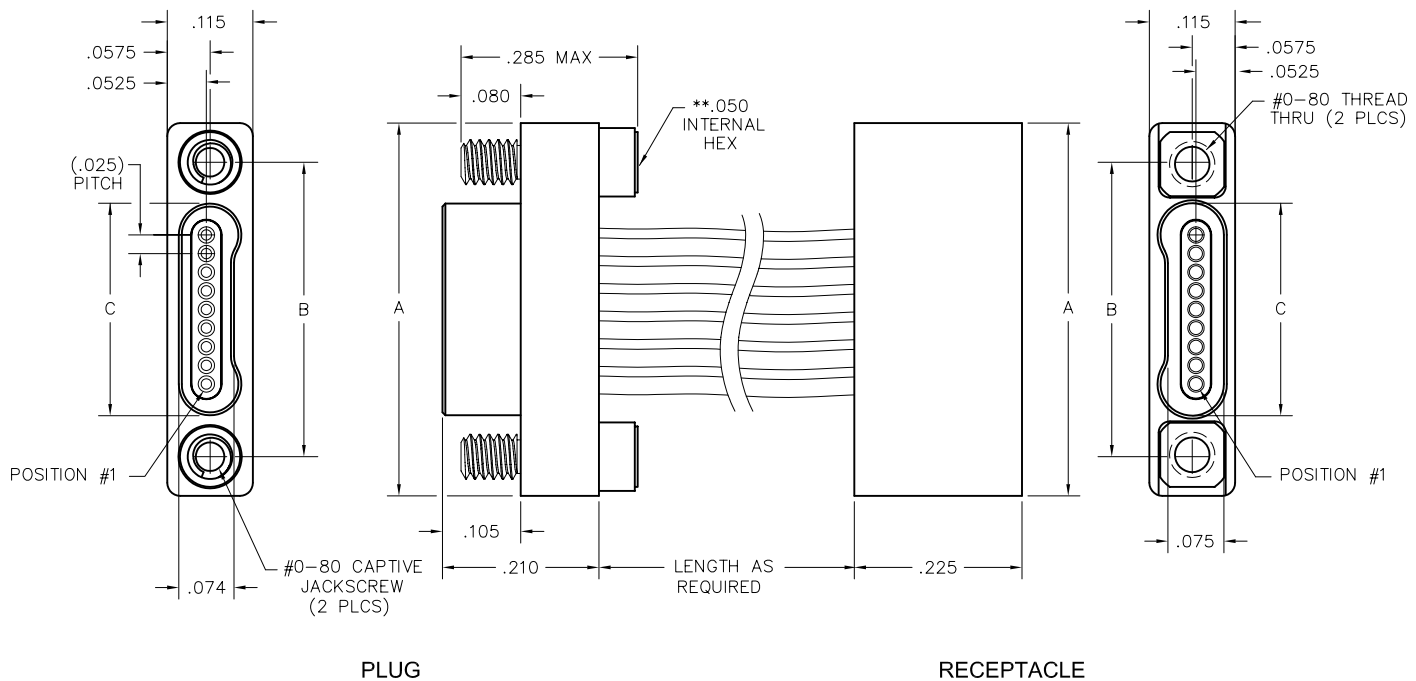
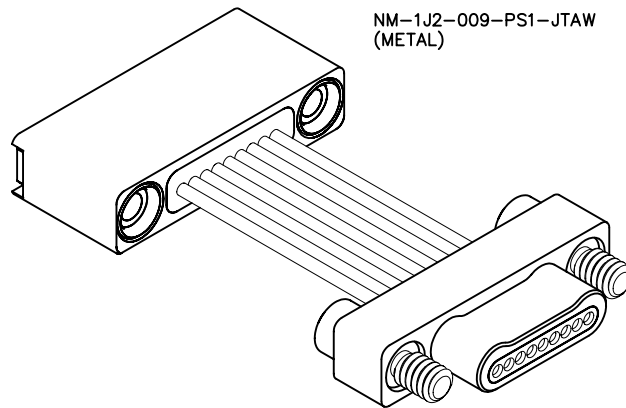
(Jumper Assembly)

.025"

NM, NM

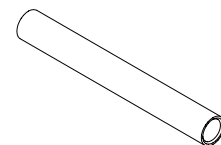
9 thru 51 Contacts

NM-1J2-009-PS1-JTAW
(METAL)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C	
			PLUG	RCPT
9	.500	.395	.284	.285
15	.650	.545	.434	.435
21	.800	.695	.584	.585
25	.900	.795	.684	.685
31	1.050	.945	.834	.835
37	1.200	1.095	.984	.985
51	1.550	1.445	1.334	1.335



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NM-1J2-009-PS1-JTAW
XX-XXX-XXX-XXX-XXXX

SERIES	
NM	.025" Metal I/O Connector
BODY	
1	1-Row
BODY STYLE:	
J	Jumper assembly
BODY MATERIAL:	
2	Liquid Crystal Polymer with electroless nickel shell
3	Liquid Crystal Polymer with electrodeposited cadmium shell ☒
4	Liquid Crystal Polymer with stainless steel shell
5	Liquid Crystal Polymer with titanium shell
SIZE	
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS	
TYPE CONTACTS/TERMINATIONS:	
PP	Plug to plug
PS	Plug to receptacle
SS	Receptacle to receptacle
PLATING OPTIONS:	
1	50 u" Au contacts
HARDWARE	
STYLE OF HARDWARE:	
00	None
JJ	Four #0-80 UNF* turning jackscrews, captivated, two on each connector***
JT	Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF threaded holes** on receptacle
JP	Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF threaded holes** on plug***
TJ	Two #0-80 UNF threaded holes** on plug & two #0-80 UNF* turning jackscrews, captivated, on receptacle***
JR	Two #0-80 UNF* turning jackscrews, captivated, on receptacle & two #0-80 UNF threaded holes** on receptacle***
TT	Four #0-80 UNF threaded holes**, two on each connector***
POLARIZATION / WIRING:	
XX	For wiring codes, see page NA-2

* = Recommended torque value 1.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

*** = Body material 2 and 3 only

● Consult factory if jumpers require other than direct one to one connections.

☒ = Option not RoHS compliant

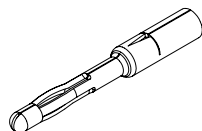
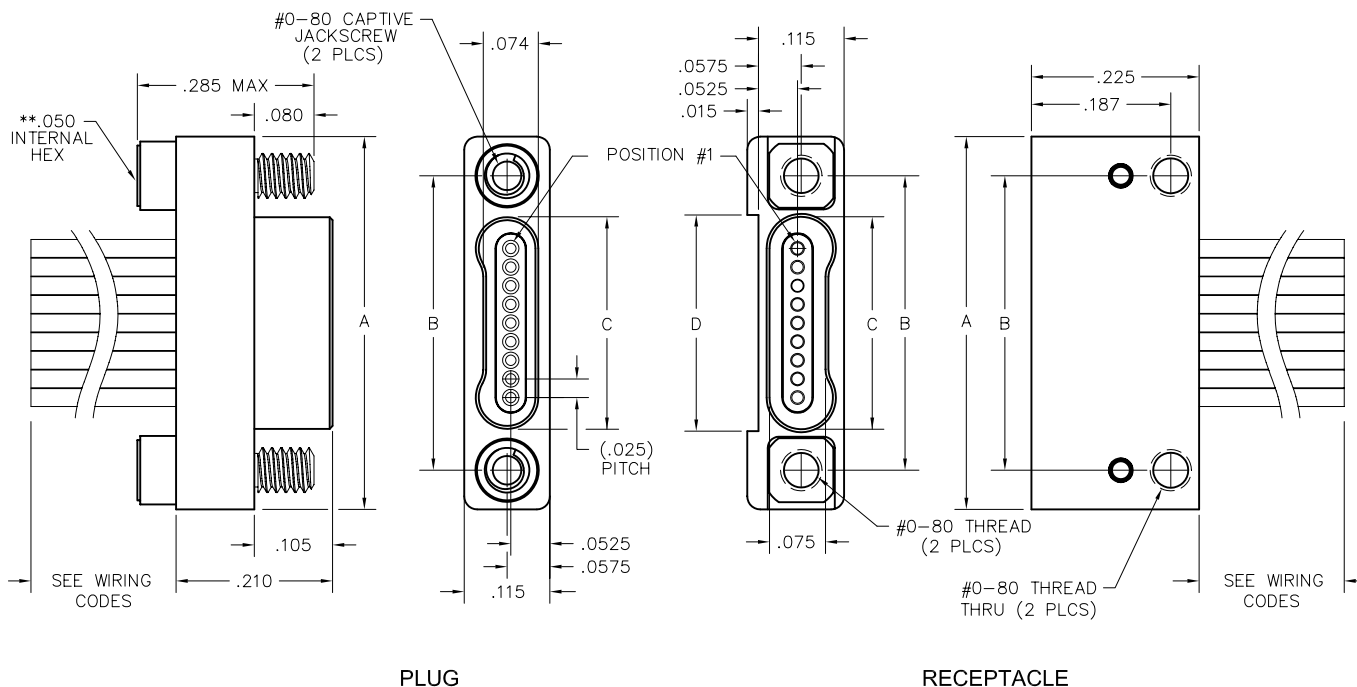
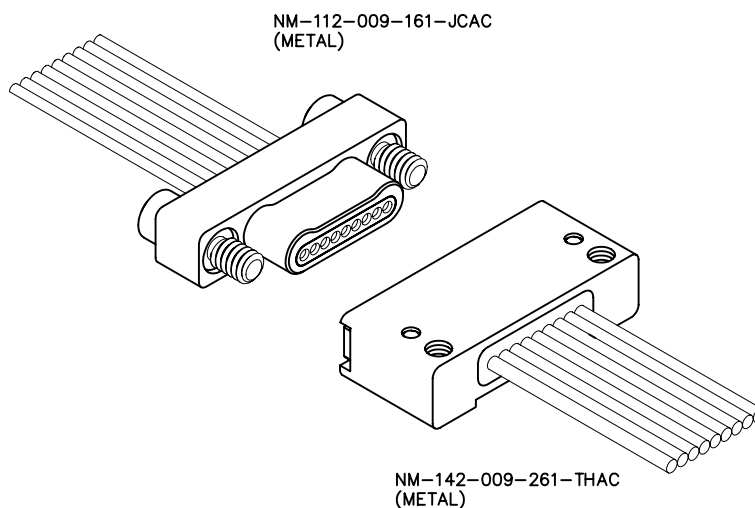


1 • ROW Cable to Cable

.025"

NM, NM

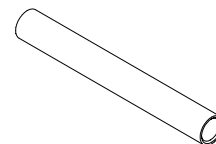
9 thru 51 Contacts



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM-112 -009- 161 -JCAC
RECEPTACLE: NM-142 -009- 261 -THAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NM .025" Metal I/O Connector

NM .025" Metal I/O Connector

BODY

1 1-Row

1 1-Row

BODY STYLE:

1 Plug, straight

BODY STYLE:

4 Receptacle, straight with mounting holes

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

16 Pin, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

1 50 u" Au contacts

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

JC Turning jackscrews, captivated #0-80 UNF*

STYLE OF HARDWARE:

TH Threaded hole, #0-80 UNF

WIRING OPTIONS:

XX See wiring codes, Page NA-2

WIRING OPTIONS:

XX See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

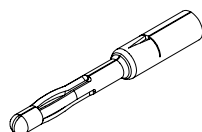
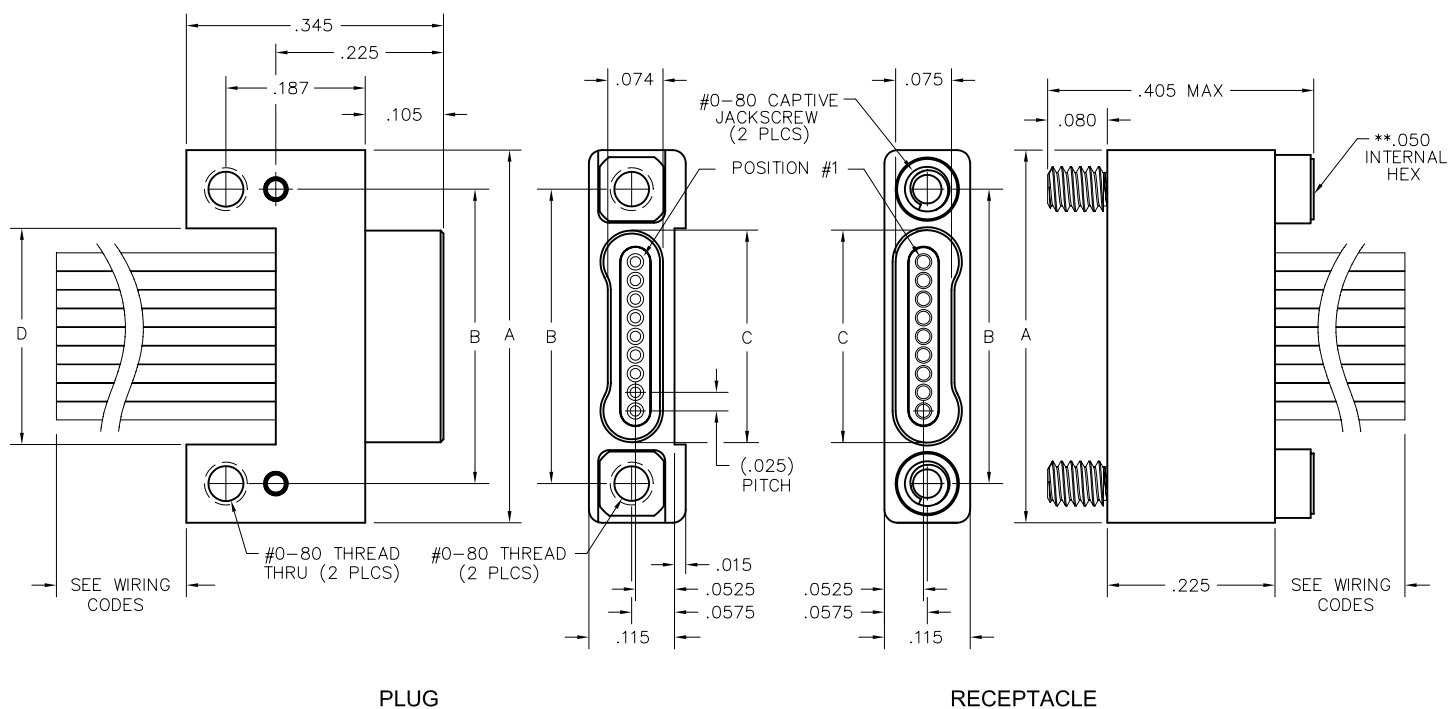
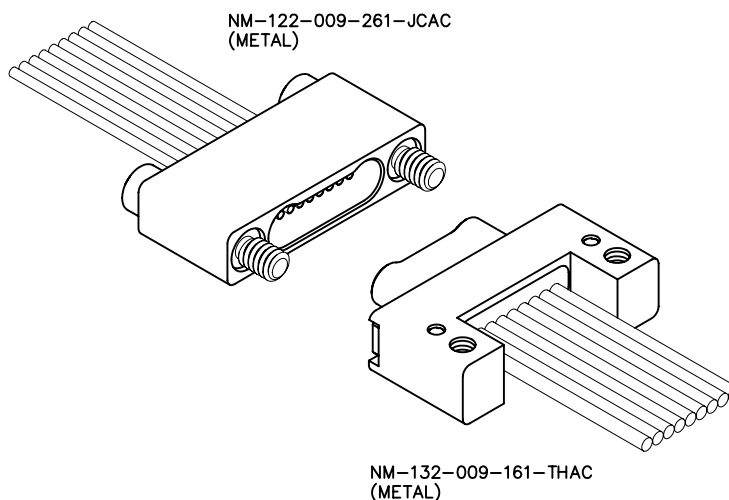
☒ = Option not ROHS compliant

1 • ROW Cable to Cable

.025"

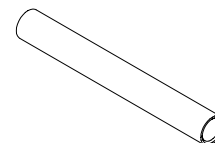
NM, NM

9 thru 51 Contacts



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NM-132-009-161-THAC
RECEPTACLE: NM-122-009-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NM .025" Metal I/O Connector

NM .025" Metal I/O Connector

BODY

1 1-Row

1 1-Row

BODY STYLE:

3 Plug, straight with mounting holes

BODY STYLE:

2 Receptacle, straight

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

16 Pin, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

1 50 u" Au contacts

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

TH Threaded hole, #0-80 UNF

STYLE OF HARDWARE:

JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

XX See wiring codes, Page NA-2

WIRING OPTIONS:

XX See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not ROHS compliant

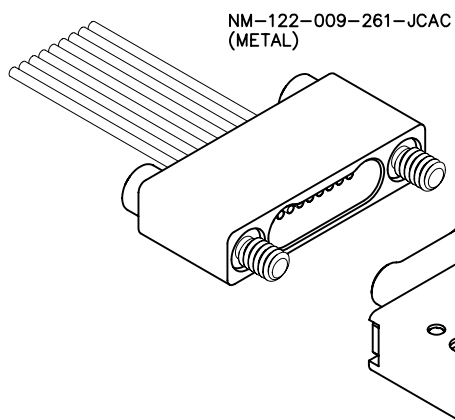


1 • ROW Cable to Board Horizontal SMT

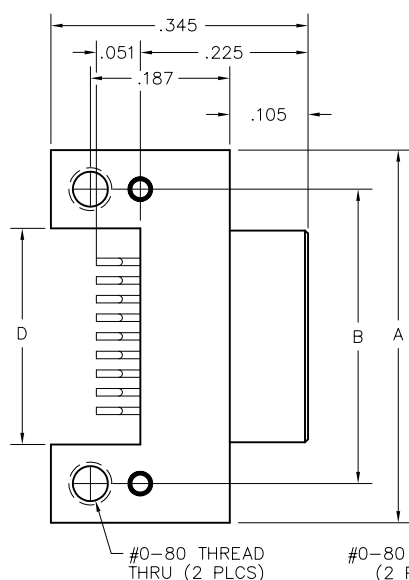
.025"

NM, NK

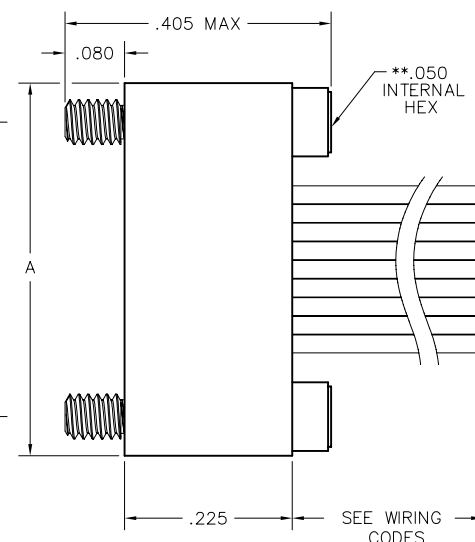
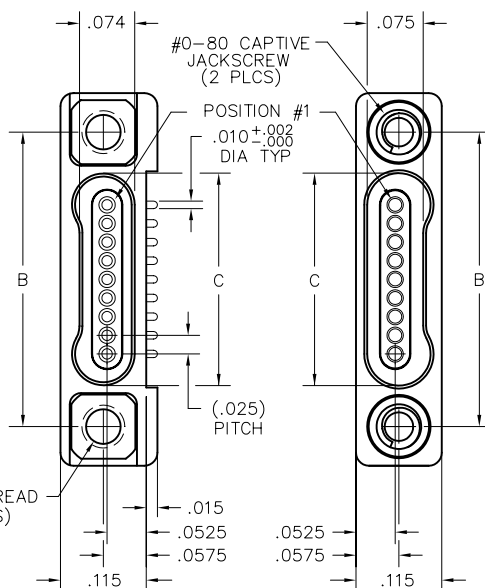
9 thru 51 Contacts



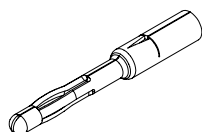
NK-1C2-009-125-TH00
(METAL)



PLUG

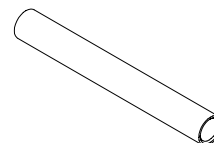


RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NK-1C2-009-125-TH00
RECEPTACLE: NM-122-009-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

1 1-Row

1 1-Row

BODY STYLE:

C Plug, horizontal mount SMT

BODY STYLE:

2 Receptacle, straight

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

12 Pin, SMT

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒

8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

00 None

TH Threaded hole, #0-80 UNF

STYLE OF HARDWARE:

00 None

JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

00 None

WIRING OPTIONS:

XX See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

1 · ROW

Cable to Board

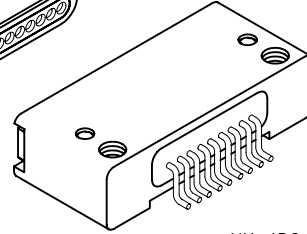
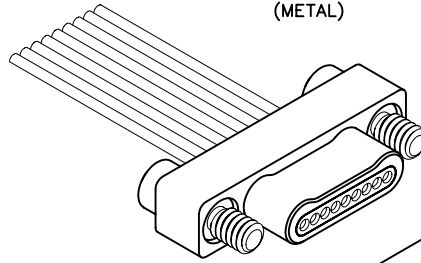
Horizontal SMT

.025"

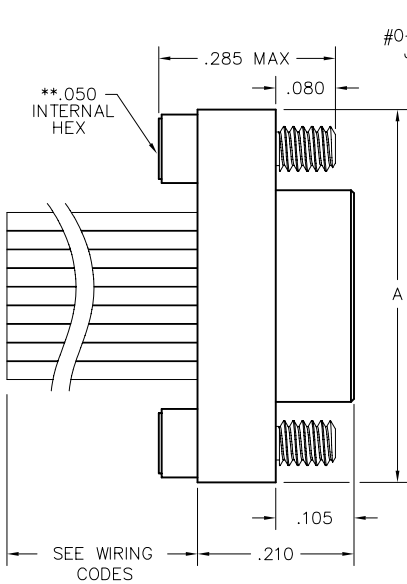
NM, NK

9 thru 51 Contacts

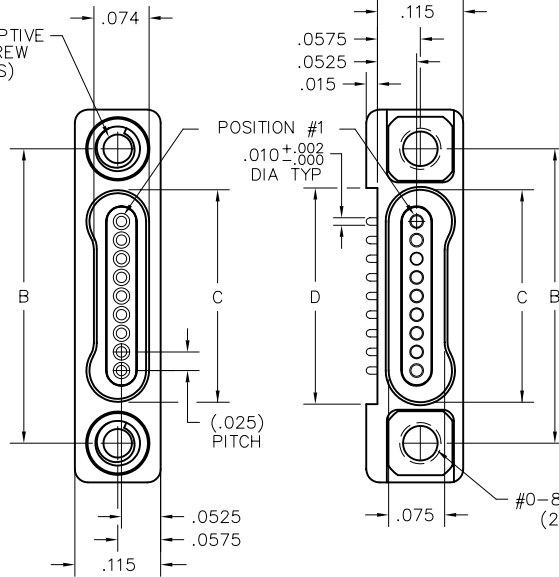
NM-112-009-161-JCAC
(METAL)



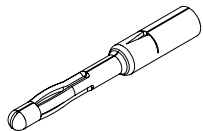
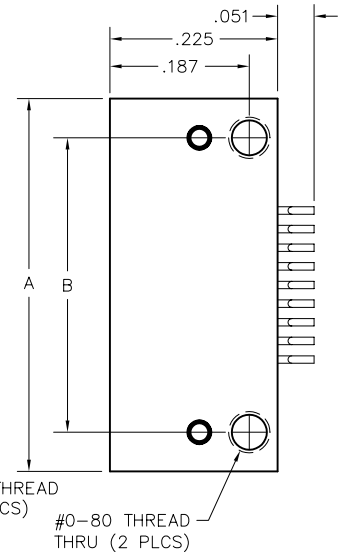
NK-1D2-009-225-TH00
(METAL)



PLUG

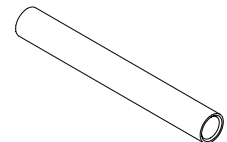


RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NM-112 -009- 161 -JCAC
RECEPTACLE: NK-1D2 -009-225-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal I/O Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
1 1-Row		1 1-Row	
1 Plug, straight		D BODY STYLE: Receptacle, horizontal mount SMT	
BODY MATERIAL:		BODY MATERIAL:	
2 Liquid Crystal Polymer w/ electroless nickel shell		2 Liquid Crystal Polymer w/ electroless nickel shell	
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)		XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
16 Pin, straight, crimped wire		22 Socket, SMT	
PLATING OPTIONS:		PLATING OPTIONS:	
1 50 u" Au contacts		5 50 u" Au contacts; Sn/Pb alloy terminations ☒	
		8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None	
JC Turning jackscrews, captivated #0-80 UNF*		TH Threaded hole, #0-80 UNF	
WIRING OPTIONS:		WIRING OPTIONS:	
XX See wiring codes, Page NA-2		00 None	

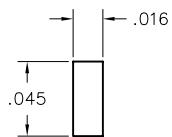
* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

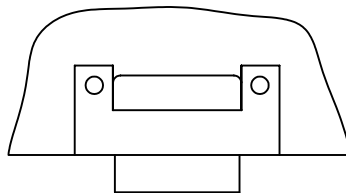


Recommended PC Board Layout

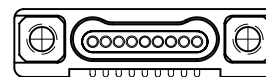
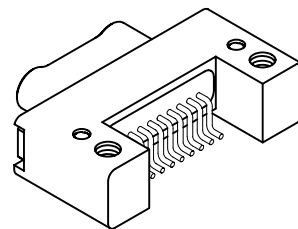
Horizontal SMT Plug
FOR REFERENCE ONLY



FOOTPRINT / PAD CONFIGURATION

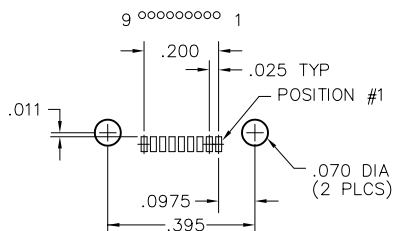


PC BOARD LAYOUT COMPONENT SIDE

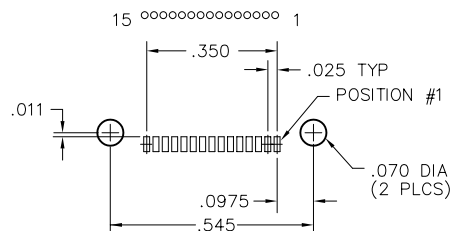


CONNECTOR MATING FACE

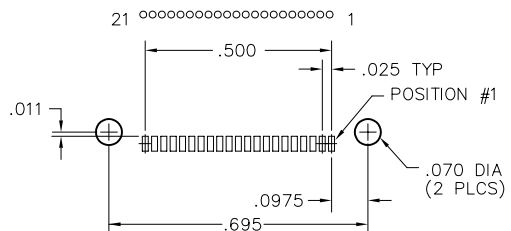
9 POSITION



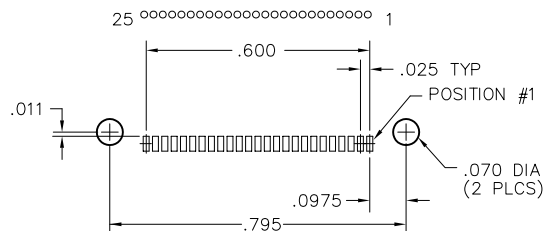
15 POSITION



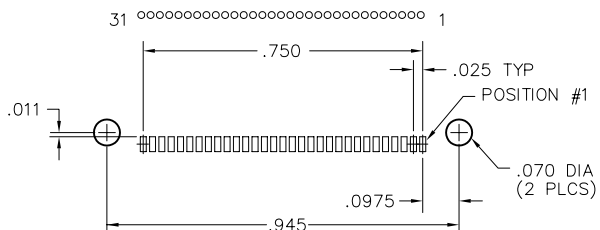
21 POSITION



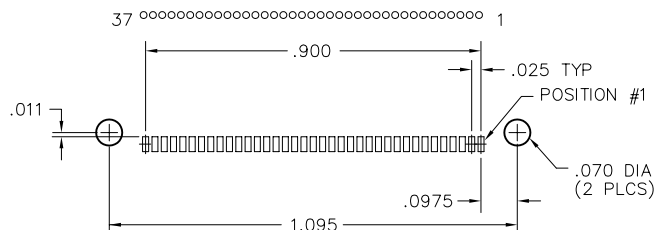
25 POSITION



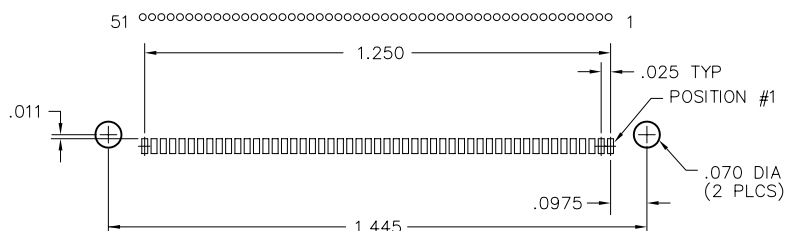
31 POSITION

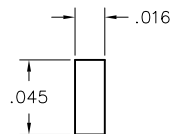


37 POSITION

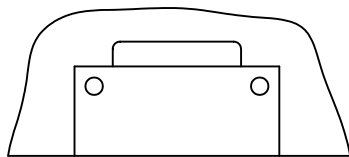


51 POSITION

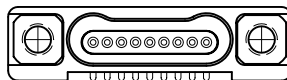
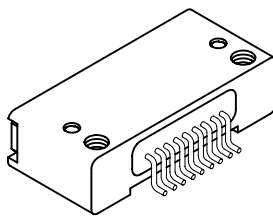




FOOTPRINT / PAD
CONFIGURATION



PC BOARD LAYOUT
COMPONENT SIDE



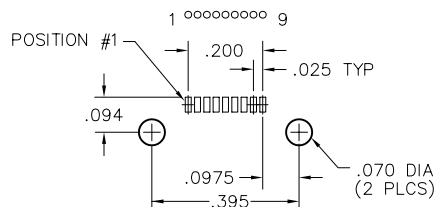
CONNECTOR MATING FACE



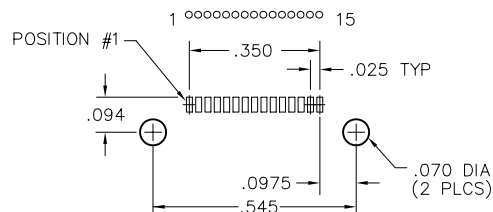
Recommended PC Board Layout

Horizontal SMT Receptacle
FOR REFERENCE ONLY

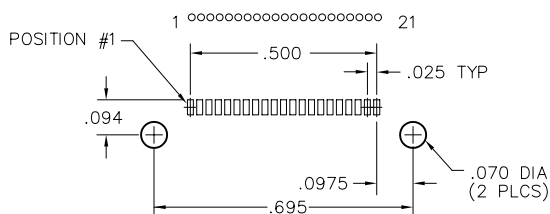
9 POSITION



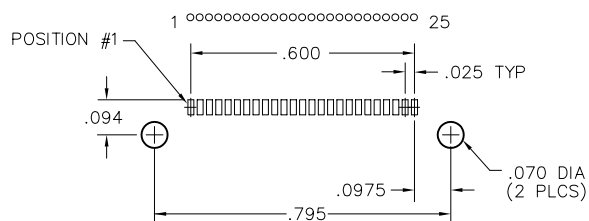
15 POSITION



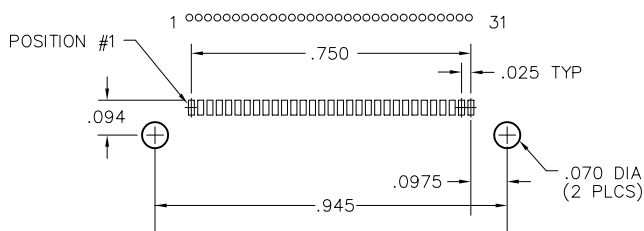
21 POSITION



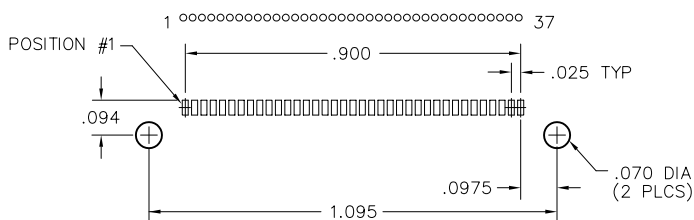
25 POSITION



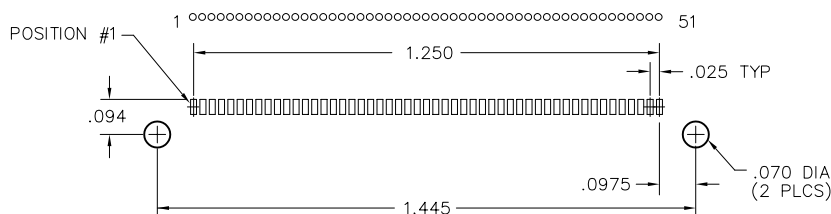
31 POSITION



37 POSITION



51 POSITION



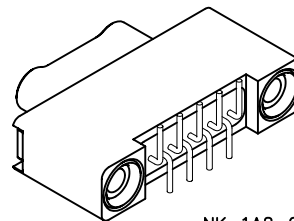
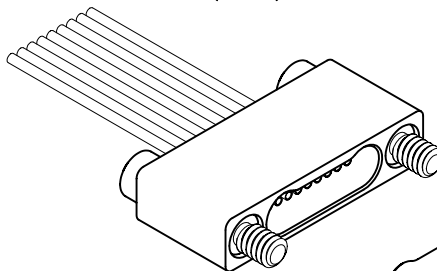


1 • ROW

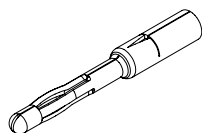
NM, NK

9 thru 51 Contacts

NM-122-009-261-JCAC
(METAL)

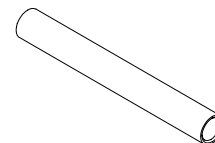


NK-1A2-009-125-TH00
(METAL)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.287
15	.650	.545	.434	.435	.437
21	.800	.695	.584	.585	.587
25	.900	.795	.684	.685	.687
31	1.050	.945	.834	.835	.837
37	1.200	1.095	.984	.985	.987
51	1.550	1.445	1.334	1.335	1.337



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = DIMENSION CHANGES TO .040" FOR
"010" OPTION. SEE PAGE N-20.
** = HEX MEASUREMENT TAKEN ACROSS FLATS.

PLUG: NK-1A2-009-125-TH00
RECEPTACLE: NM-122-009-261-JCAC
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

1 1-Row

1 1-Row

BODY STYLE:
 A Plug, vertical mount SMT

BODY STYLE:
 2 Receptacle, straight

BODY MATERIAL:
 2 Liquid Crystal Polymer w/ electroless nickel shell
 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:
 2 Liquid Crystal Polymer w/ electroless nickel shell
 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
 12 Pin, SMT (.020 lead envelope)

TYPE CONTACTS/TERMINATIONS:
 26 Socket, straight, crimped wire

PLATING OPTIONS:
 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
 8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:
 1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:
 00 None
 TH Threaded hole, #0-80 UNF

STYLE OF HARDWARE:
 00 None
 JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:
 00 None

WIRING OPTIONS:
 XX See wiring codes, Page NA-2

OPTIONS

010 .040 lead envelope

* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

1 • ROW

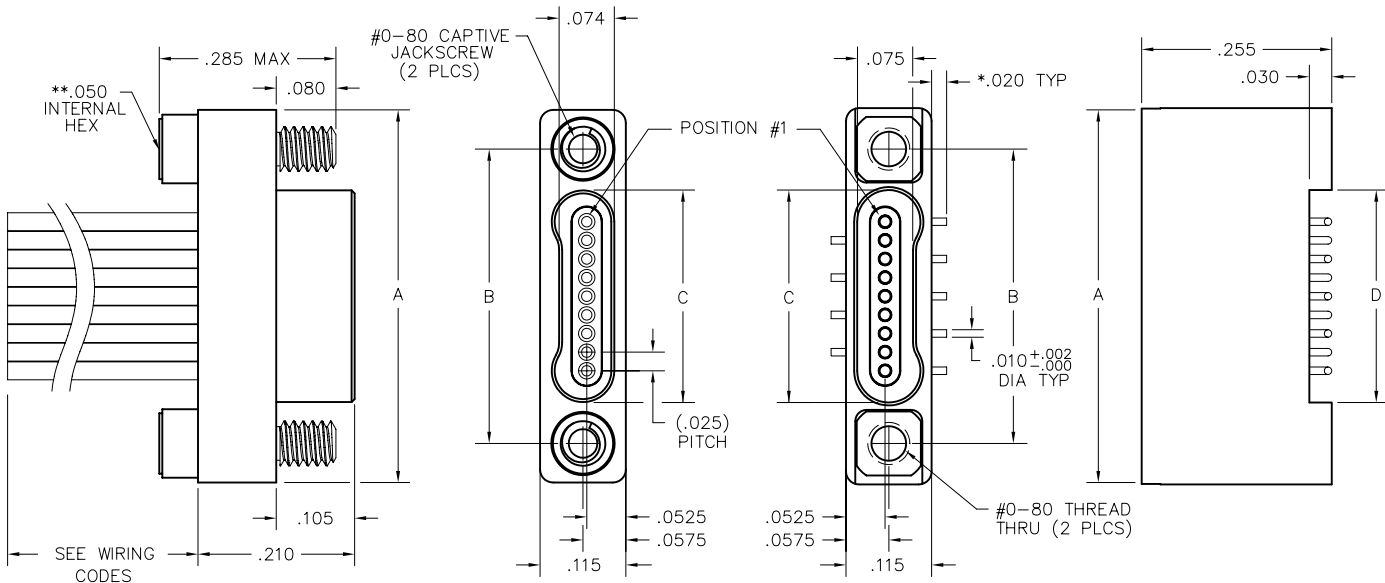
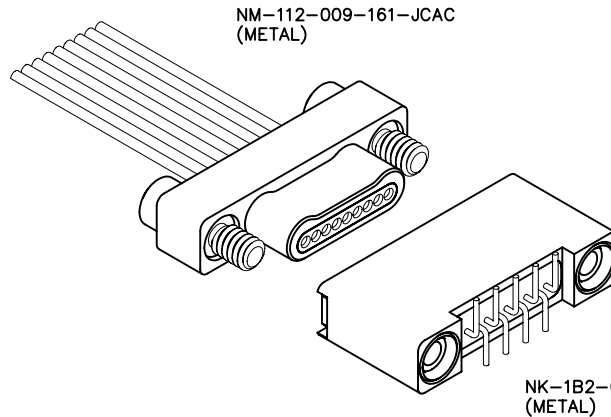
Cable to Board

Vertical SMT

.025"

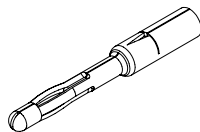
NM, NK

9 thru 51 Contacts



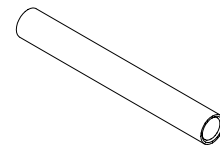
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.287
15	.650	.545	.434	.435	.437
21	.800	.695	.584	.585	.587
25	.900	.795	.684	.685	.687
31	1.050	.945	.834	.835	.837
37	1.200	1.095	.984	.985	.987
51	1.550	1.445	1.334	1.335	1.337



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = DIMENSION CHANGES TO .040" FOR
".010" OPTION. SEE PAGE N-22.

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NM-112-009-161-JCAC
RECEPTACLE: NK-1B2-009-225-TH00
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal I/O Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
1 1-Row		1 1-Row	
BODY STYLE:		BODY STYLE:	
1 Plug, straight		B Receptacle, vertical mount SMT	
BODY MATERIAL:		BODY MATERIAL:	
2 Liquid Crystal Polymer w/ electroless nickel shell		2 Liquid Crystal Polymer w/ electroless nickel shell	
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)		XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
16 Pin, straight, crimped wire		22 Socket, SMT (.020 lead envelope)	
PLATING OPTIONS:		PLATING OPTIONS:	
1 50 u" Au contacts		5 50 u" Au contacts; Sn/Pb alloy terminations ☒	
		8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None	
JC Turning jackscrews, captivated #0-80 UNF*		TH Threaded hole, #0-80 UNF	
WIRING OPTIONS:		WIRING OPTIONS:	
XX See wiring codes, Page NA-2		00 None	
OPTIONS			
		010 .040 lead envelope	

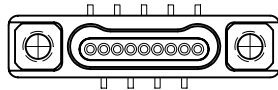
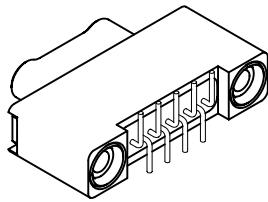
* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

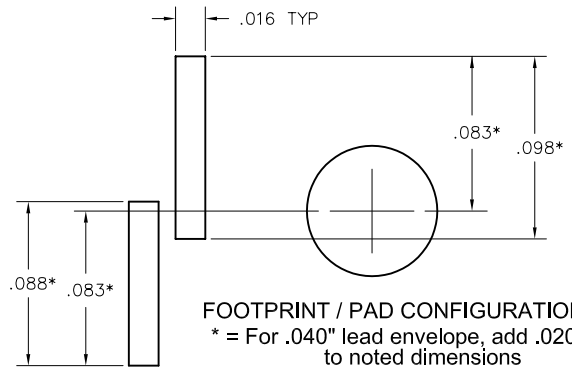


Recommended PC Board Layout

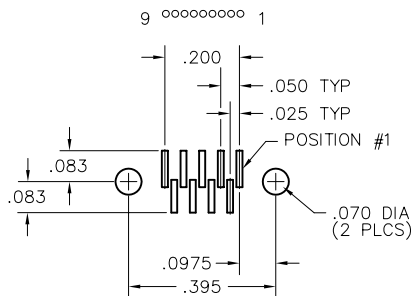
Vertical SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY



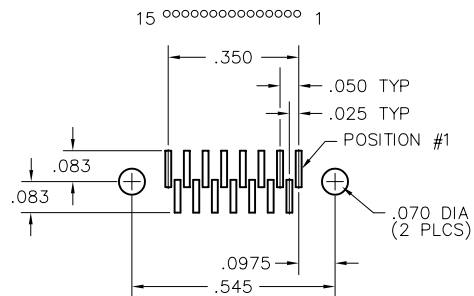
CONNECTOR MATING FACE



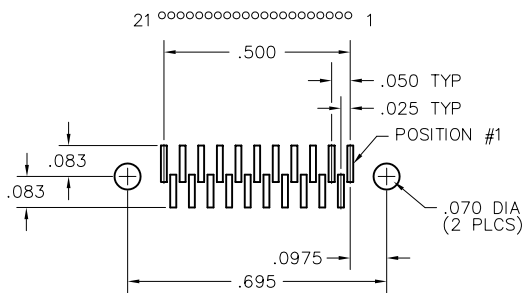
9 POSITION



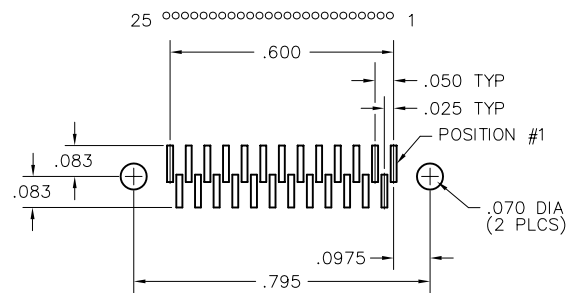
15 POSITION



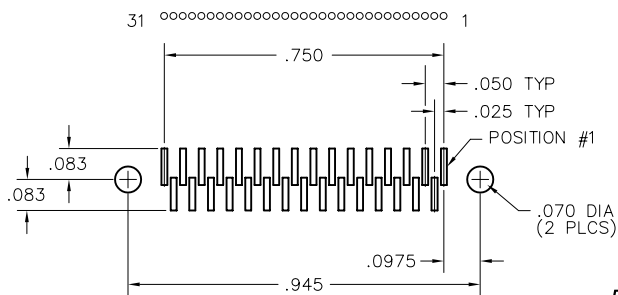
21 POSITION



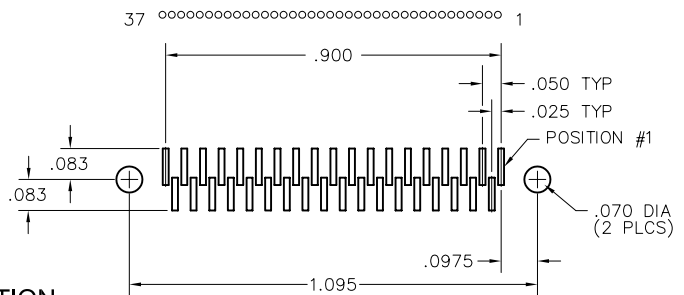
25 POSITION



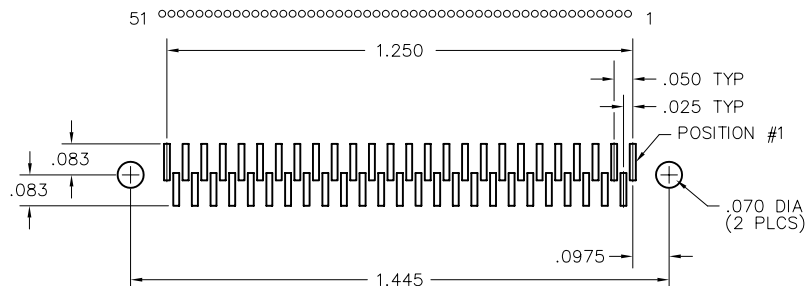
31 POSITION

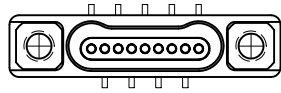
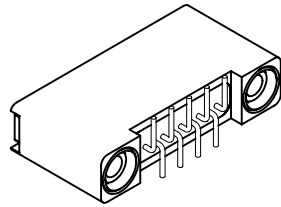


37 POSITION

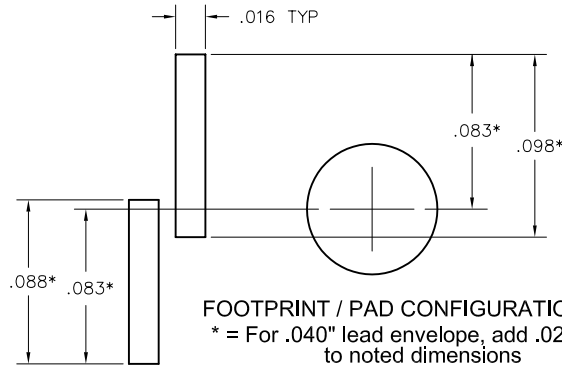


51 POSITION





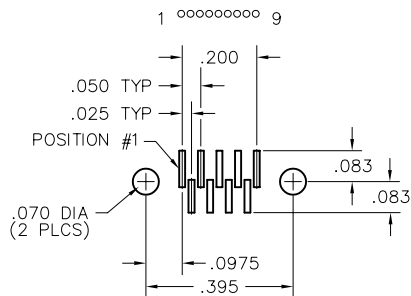
CONNECTOR MATING FACE



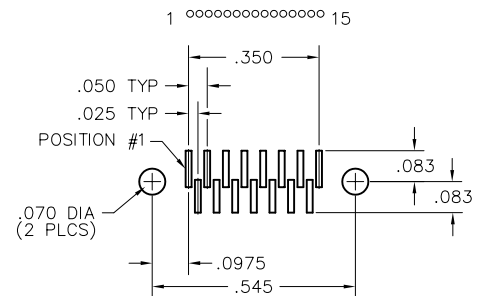
Recommended PC Board Layout

Vertical SMT Receptacle
 .020 & .040 Lead Envelopes
 FOR REFERENCE ONLY

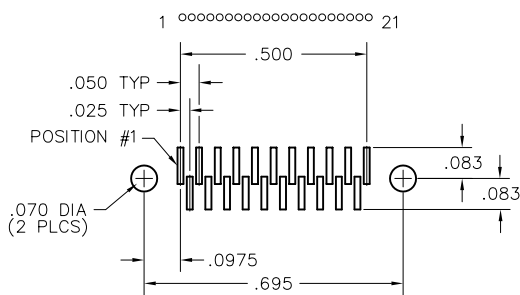
9 POSITION



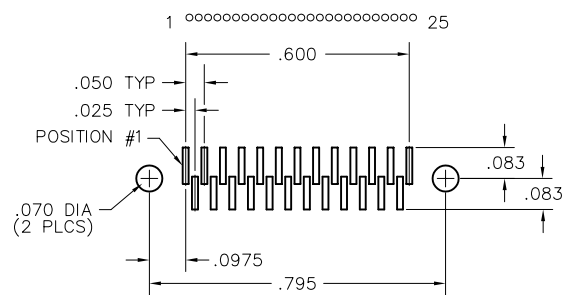
15 POSITION



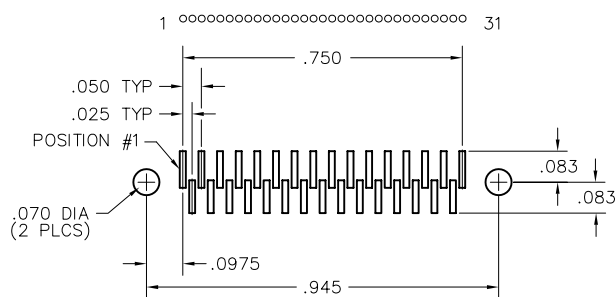
21 POSITION



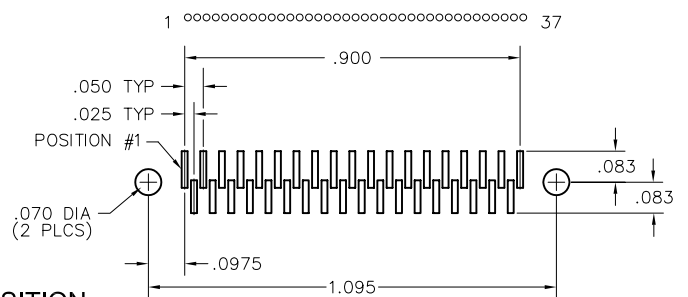
25 POSITION



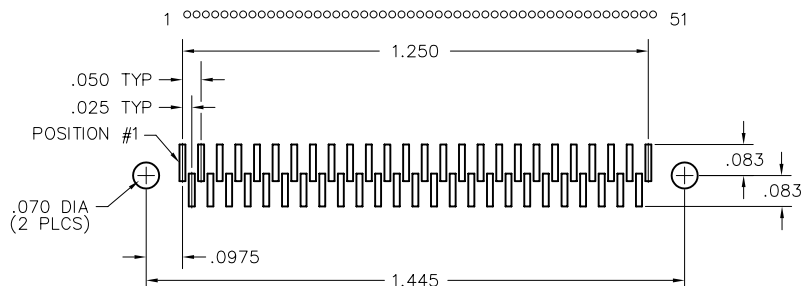
31 POSITION



37 POSITION



51 POSITION





1 • ROW

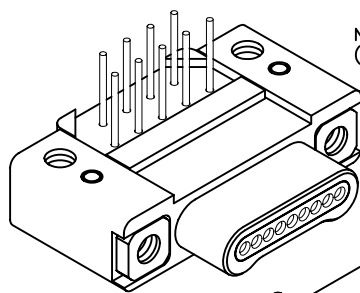
Cable to Board

Right Angle PTH

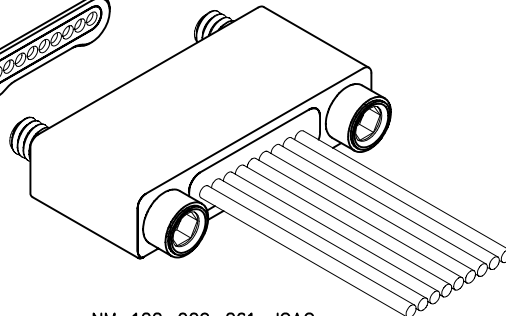
.025"

NM, NK

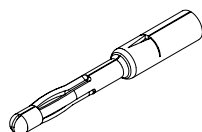
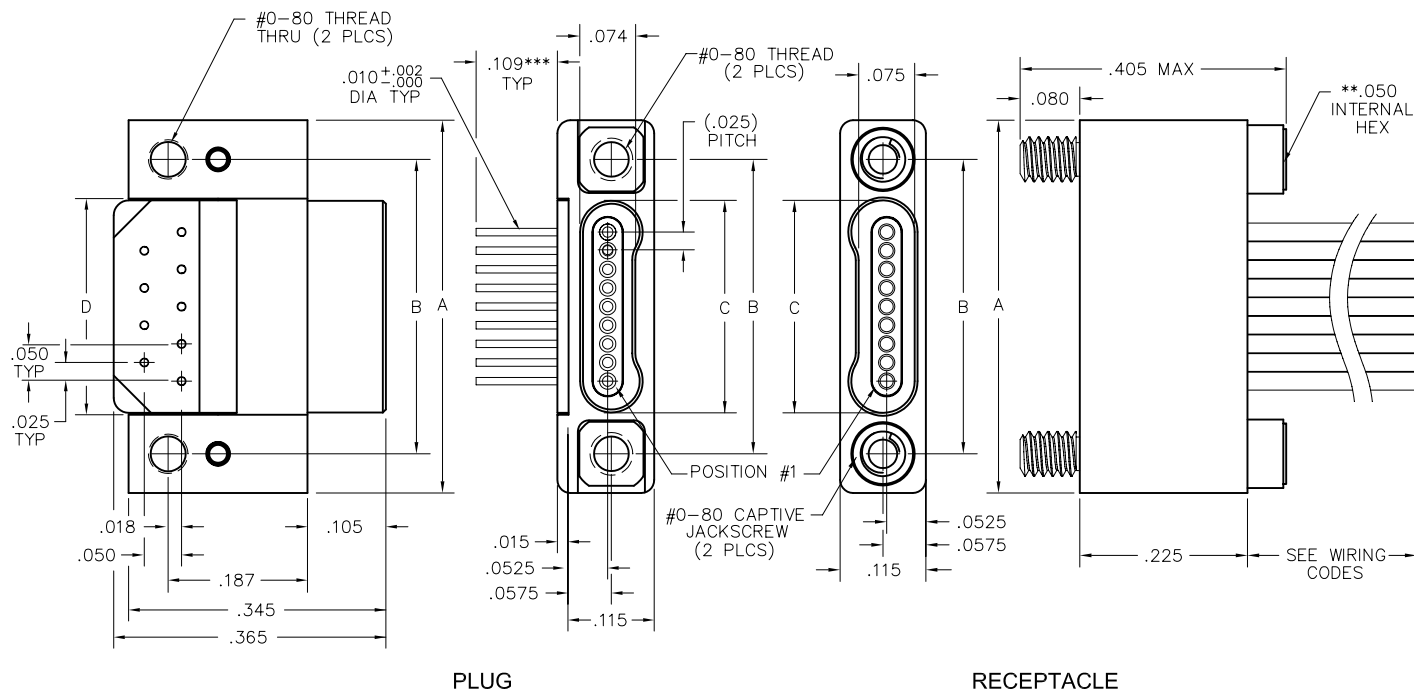
9 thru 51 Contacts



NK-1E2-009-325-TH00
(METAL)

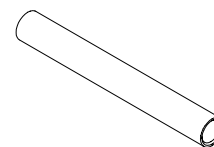


NM-122-009-261-JCAC
(METAL)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK-1E2-009-325-TH00
RECEPTACLE: NM-122-009-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

1 1-Row

1 1-Row

BODY STYLE:

E Plug, right angle, plated thru hole (PTH)

BODY STYLE:

2 Receptacle, straight

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

32 Pin, right angle, .109"

33 Pin, right angle, .140"

34 Pin, right angle, .172"

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒

8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

00 None

TH Threaded hole, #0-80 UNF

STYLE OF HARDWARE:

00 None

JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

00 None

WIRING OPTIONS:

XX See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

1 • ROW

Cable to Board

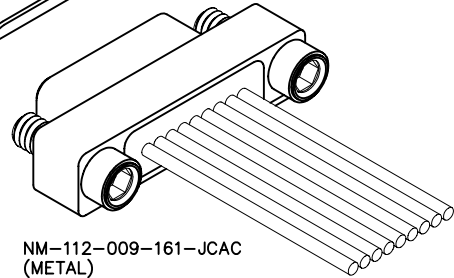
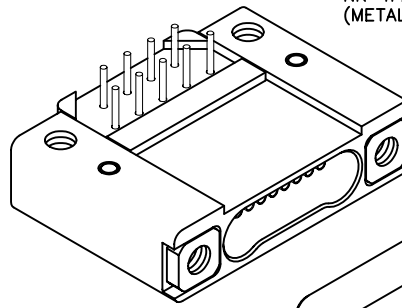
Right Angle PTH

.025"

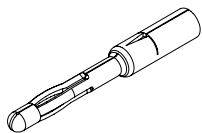
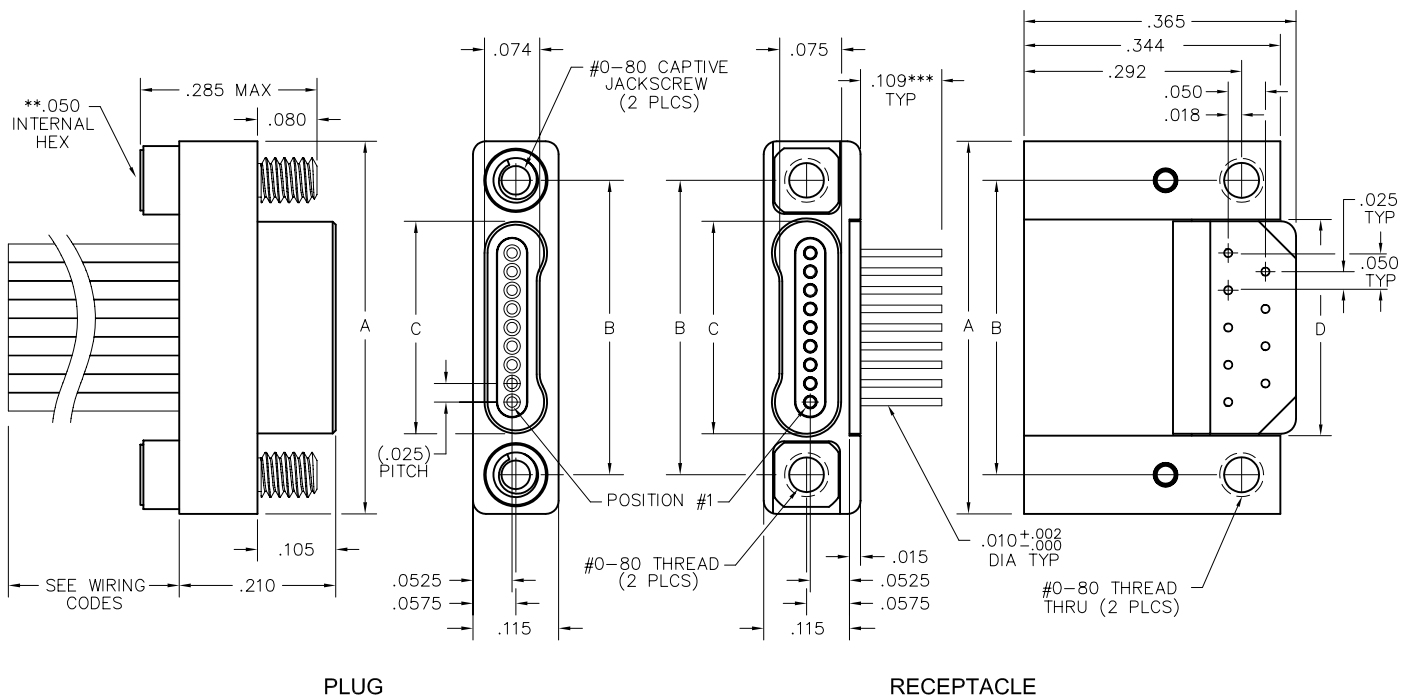
NM, NK

9 thru 51 Contacts

NK-1F2-009-435-TH00
(METAL)

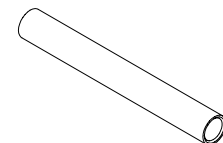


NM-112-009-161-JCAC
(METAL)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NM-112 -009- 161 -JCAC
RECEPTACLE: NK-1F2 -009-435-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal I/O Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
1 1-Row	1 1-Row		
BODY STYLE: 1 Plug, straight		BODY STYLE: F Receptacle, right angle, plated thru hole (PTH)	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)		XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire		TYPE CONTACTS/TERMINATIONS: 43 Socket, right angle, .109" 44 Socket, right angle, .140" 45 Socket, right angle, .172"	
PLATING OPTIONS: 1 50 u" Au contacts		PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF	
WIRING OPTIONS: XX See wiring codes, Page NA-2		WIRING OPTIONS: 00 None	

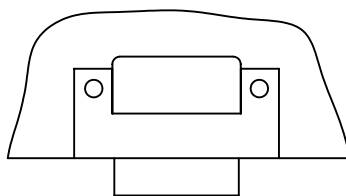
* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

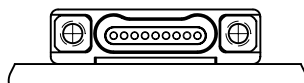
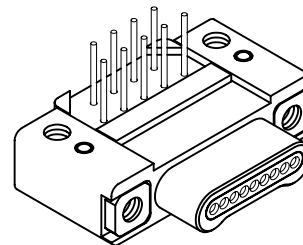


Recommended PC Board Layout

Right Angle PTH Plug
FOR REFERENCE ONLY

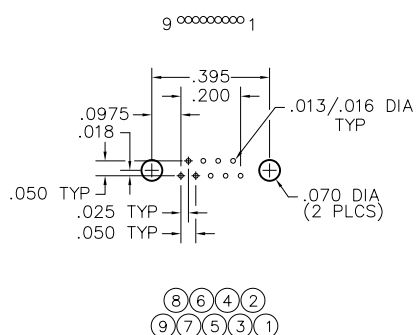


PC BOARD LAYOUT
COMPONENT SIDE

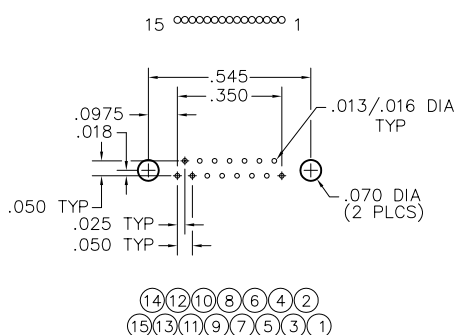


CONNECTOR MATING FACE

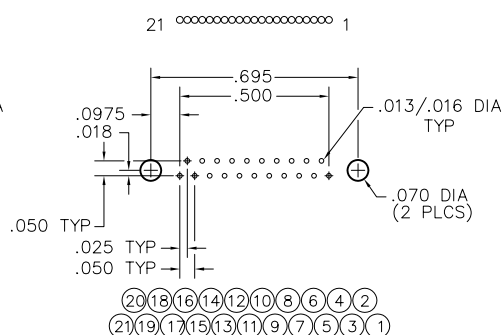
9 POSITION



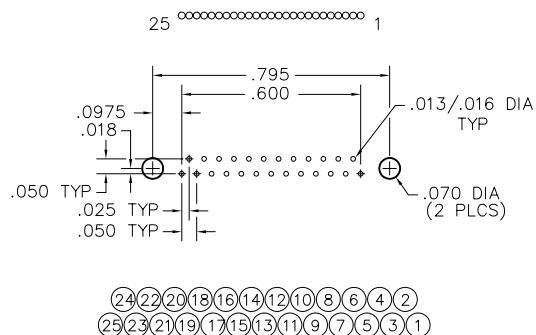
15 POSITION



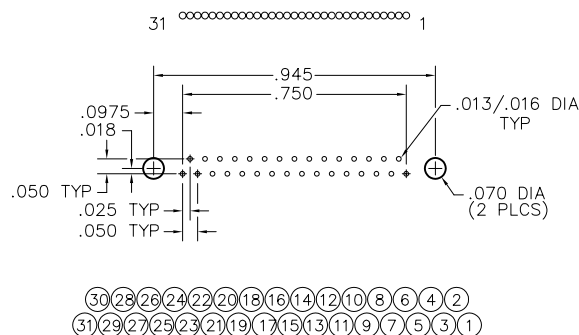
21 POSITION



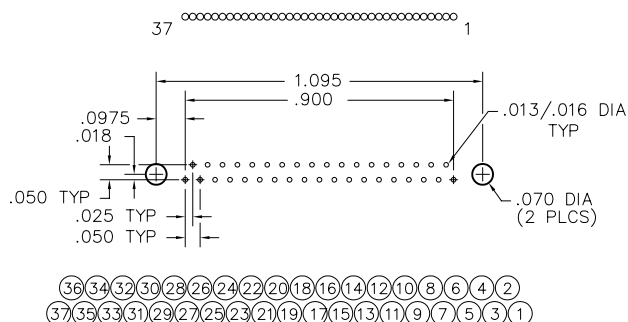
25 POSITION



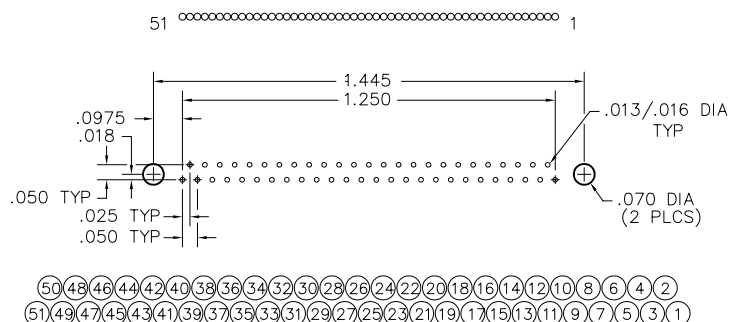
31 POSITION

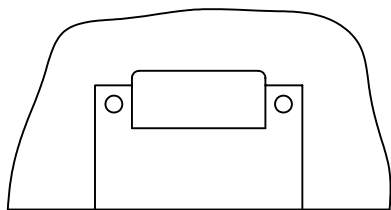


37 POSITION

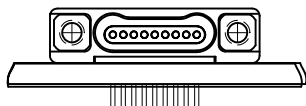


51 POSITION

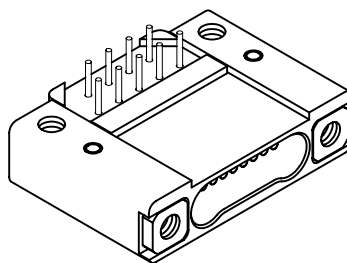




PC BOARD LAYOUT
COMPONENT SIDE



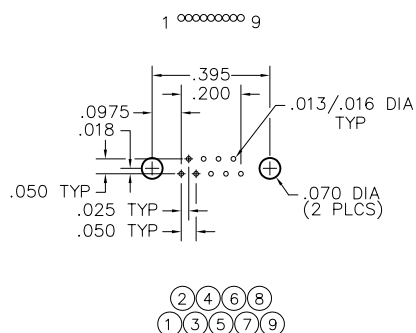
CONNECTOR MATING FACE



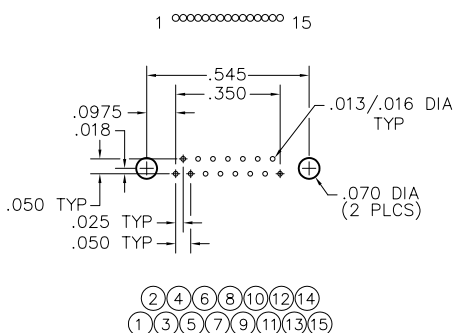
Recommended PC Board Layout

Right Angle PTH Receptacle
FOR REFERENCE ONLY

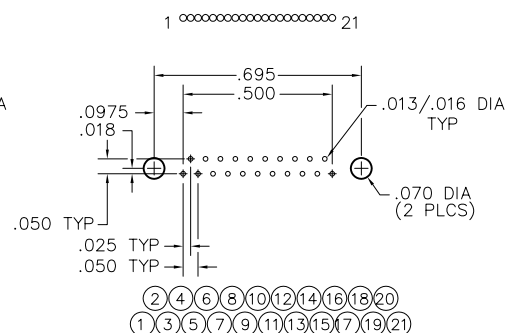
9 POSITION



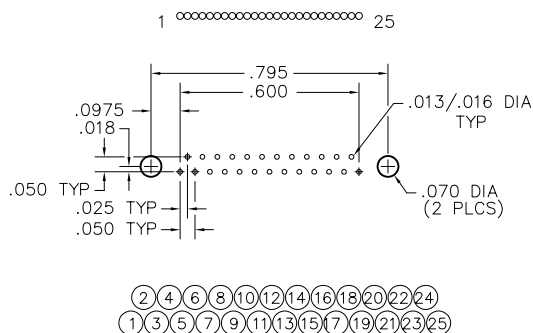
15 POSITION



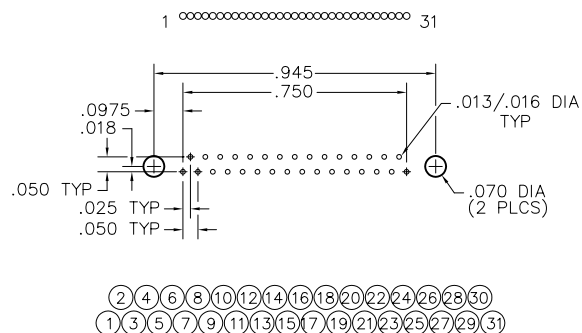
21 POSITION



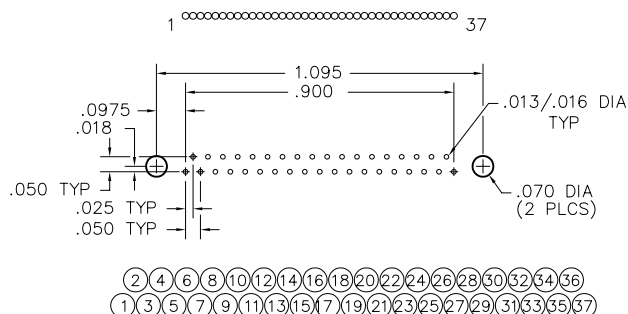
25 POSITION



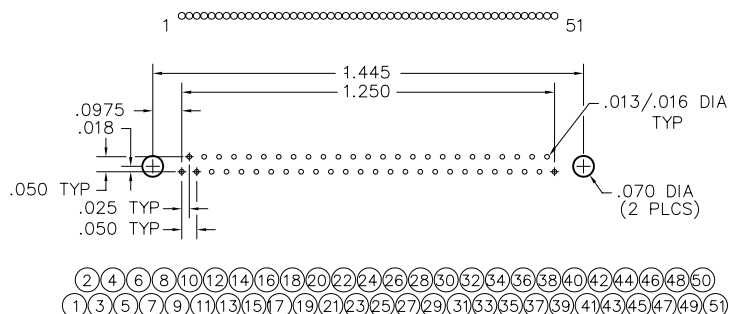
31 POSITION



37 POSITION



51 POSITION





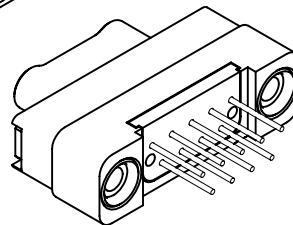
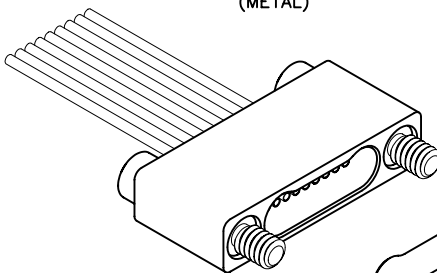
1 • ROW Cable to Board Vertical PTH

.025"

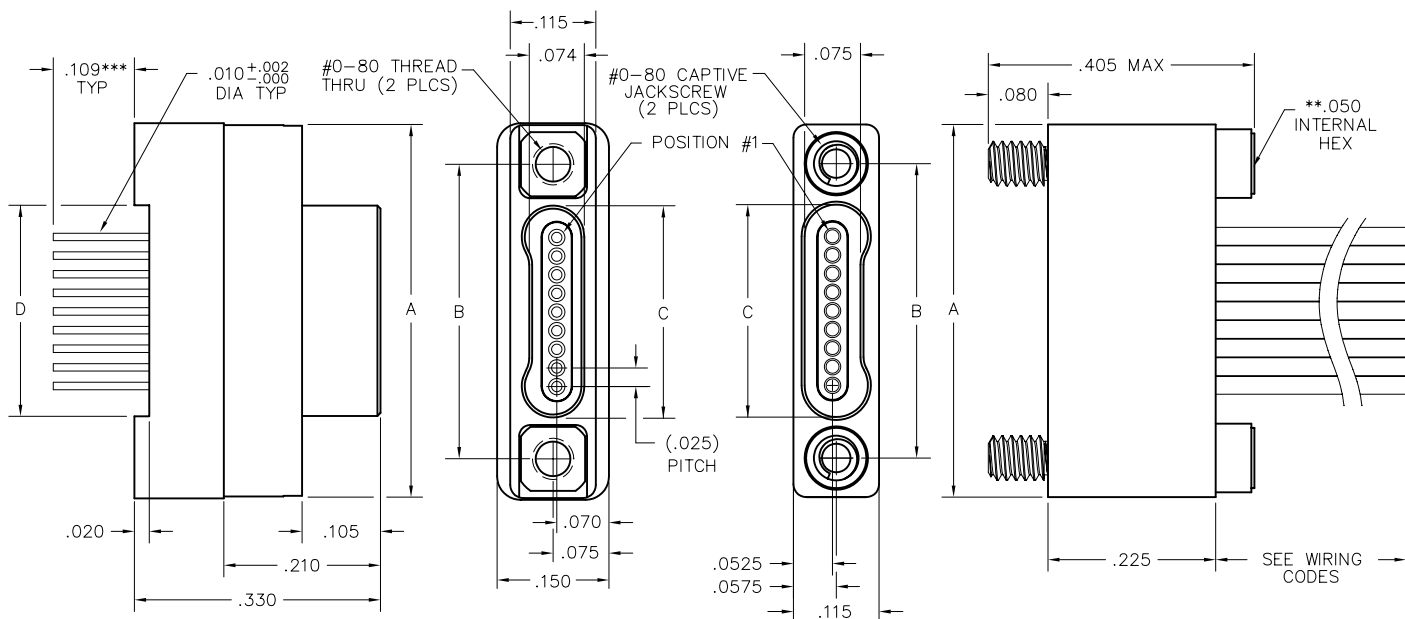
NM, NK

9 thru 51 Contacts

NM-122-009-261-JCAC
(METAL)

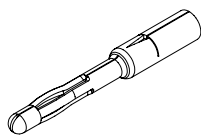


NK-1G2-009-135-TH00
(METAL)



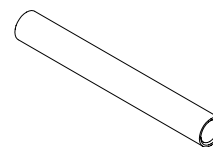
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.285
15	.650	.545	.434	.435	.435
21	.800	.695	.584	.585	.585
25	.900	.795	.684	.685	.685
31	1.050	.945	.834	.835	.835
37	1.200	1.095	.984	.985	.985
51	1.550	1.445	1.334	1.335	1.335



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK-1G2-009-135-TH00
RECEPTACLE: NM-122-009-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

1	1-Row	1	1-Row
BODY STYLE: G Plug, vertical mount, plated thru hole (PTH)		BODY STYLE: 2 Receptacle, straight	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051) | XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS: 13 Pin, straight, .109" 14 Pin, straight, .140" 15 Pin, straight, .172"		TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire	
PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations		PLATING OPTIONS: 1 50 u" Au contacts	

HARDWARE

STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF		STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS: 00 None		WIRING OPTIONS: XX See wiring codes, Page NA-2	

* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant



1 • ROW

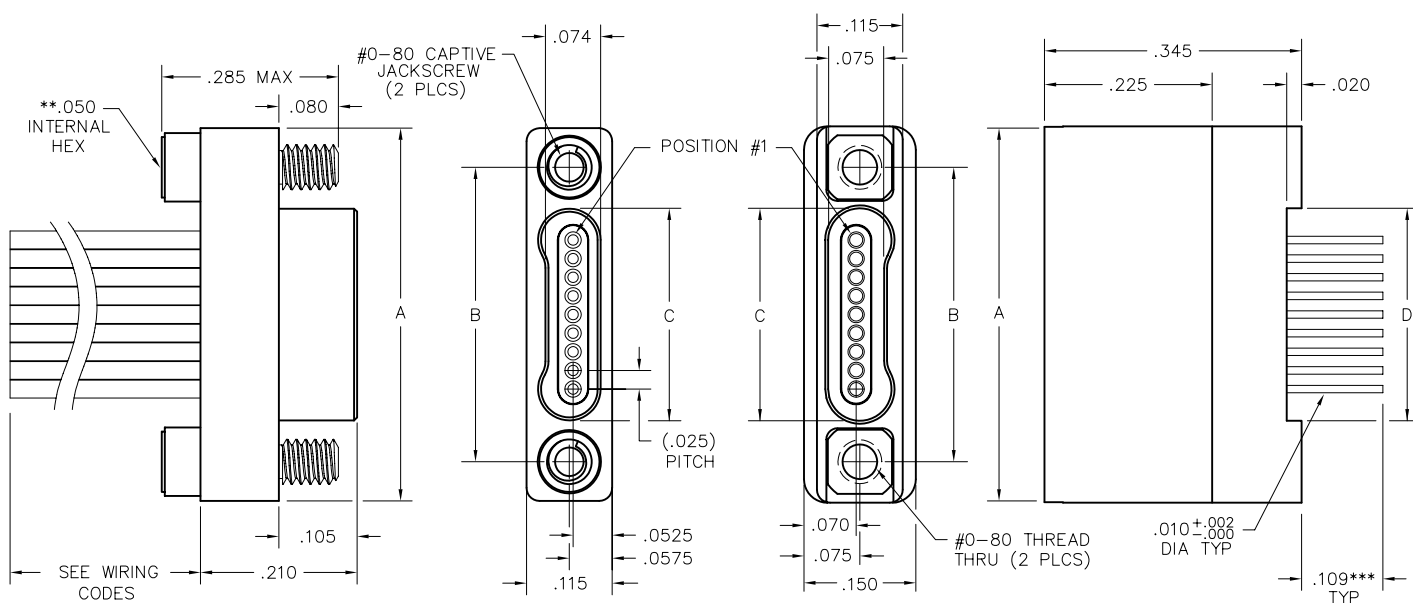
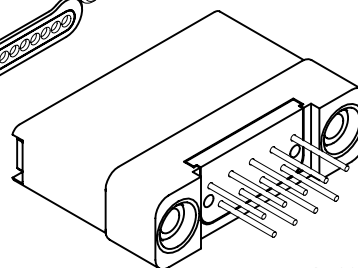
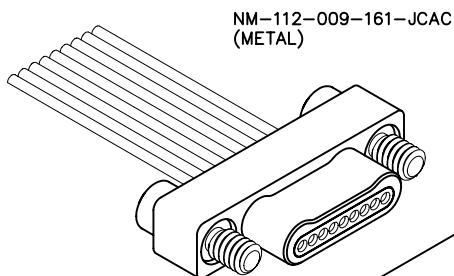
Cable to Board

Vertical PTH

.025"

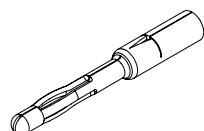
NM, NK

9 thru 51 Contacts



PLUG

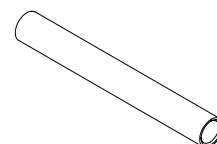
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.285
15	.650	.545	.434	.435	.435
21	.800	.695	.584	.585	.585
25	.900	.795	.684	.685	.685
31	1.050	.945	.834	.835	.835
37	1.200	1.095	.984	.985	.985
51	1.550	1.445	1.334	1.335	1.335

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM-112-009-161-JCAC
RECEPTACLE: NK-1H2-009-235-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal I/O Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
1 1-Row	1 1-Row		
BODY STYLE: 1 Plug, straight		BODY STYLE: H Receptacle, vertical mount, plated thru hole (PTH)	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)		XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire		TYPE CONTACTS/TERMINATIONS: 23 Socket, straight, .109" 24 Socket, straight, .140" 25 Socket, straight, .172"	
PLATING OPTIONS: 1 50 u" Au contacts		PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF	
WIRING OPTIONS: XX See wiring codes, Page NA-2		WIRING OPTIONS: 00 None	

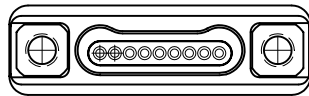
* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

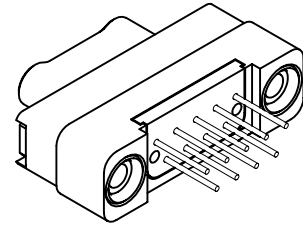


Recommended PC Board Layout

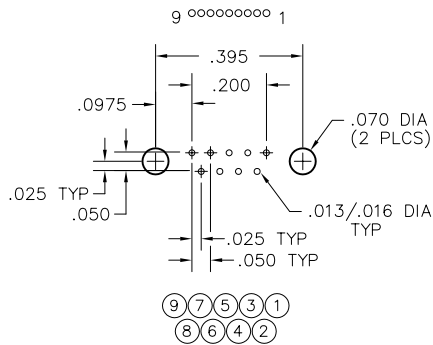
Vertical PTH Plug
FOR REFERENCE ONLY



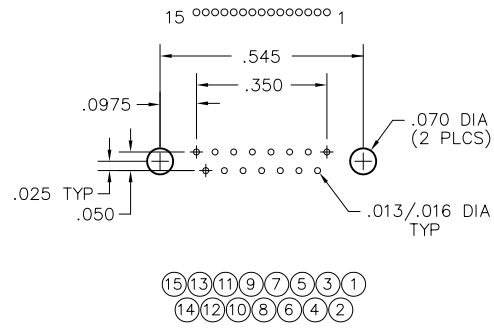
CONNECTOR MATING FACE



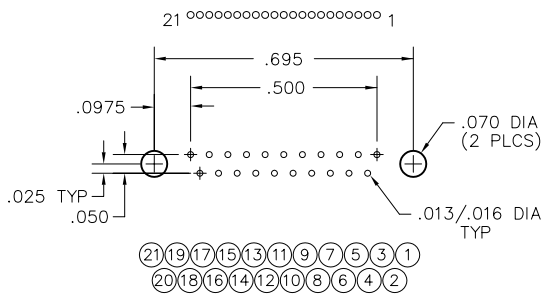
9 POSITION



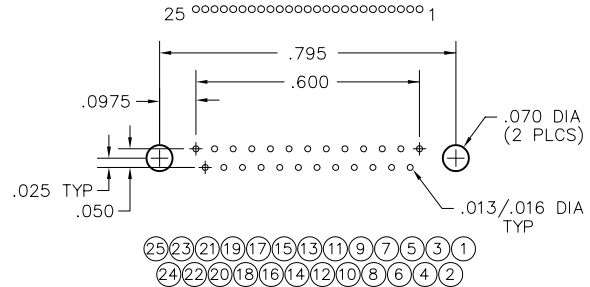
15 POSITION



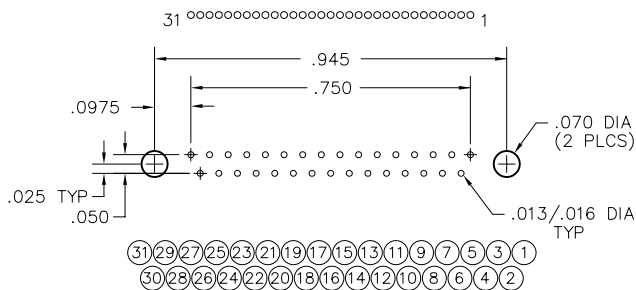
21 POSITION



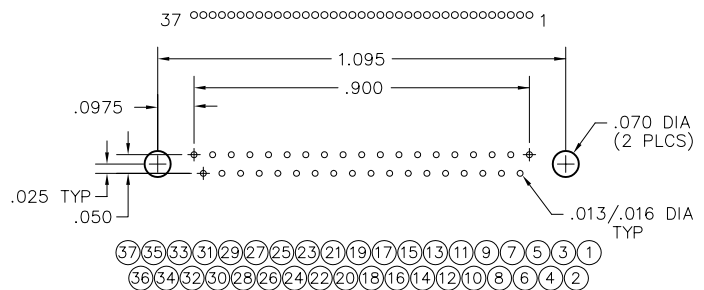
25 POSITION



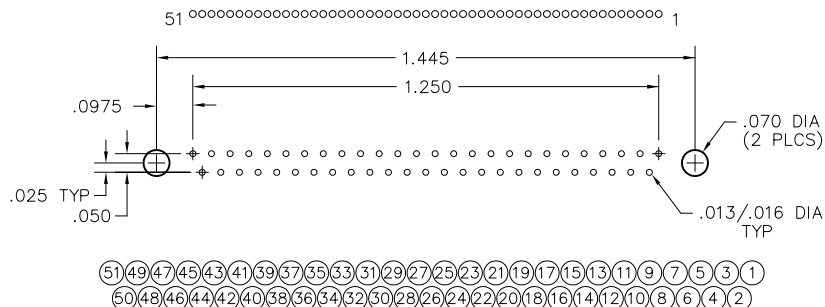
31 POSITION

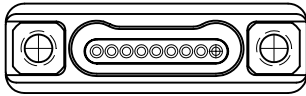


37 POSITION

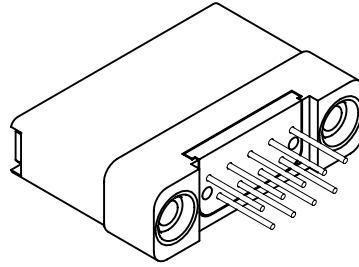


51 POSITION





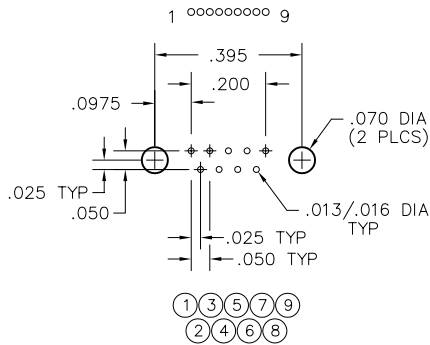
CONNECTOR MATING FACE



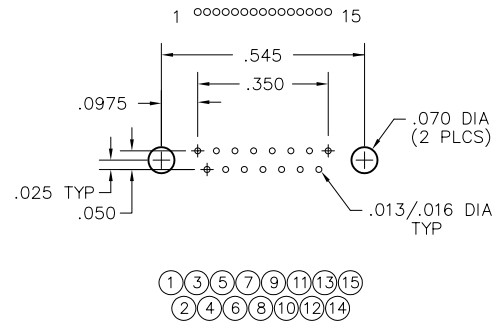
Recommended PC Board Layout

Vertical PTH Receptacle
FOR REFERENCE ONLY

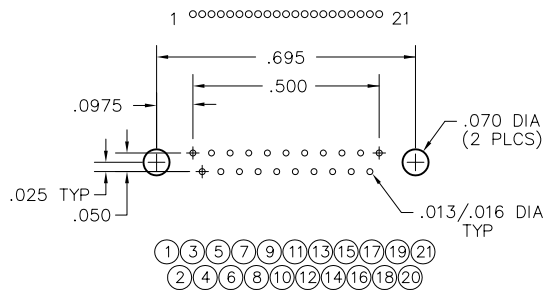
9 POSITION



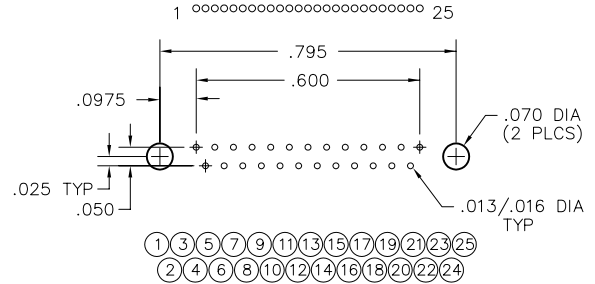
15 POSITION



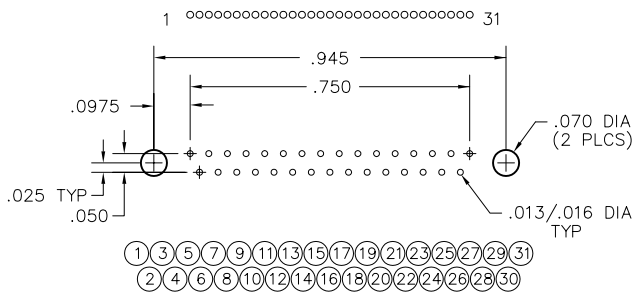
21 POSITION



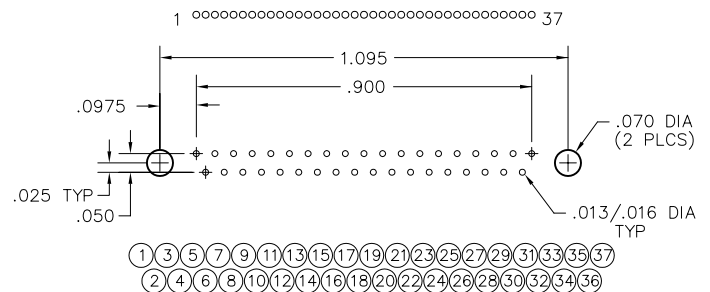
25 POSITION



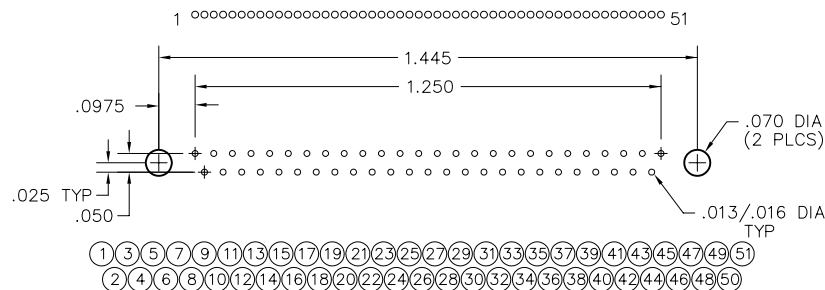
31 POSITION



37 POSITION



51 POSITION



1 • ROW

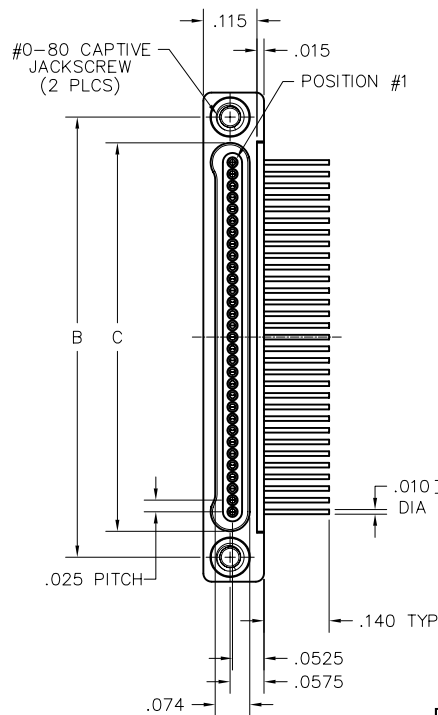
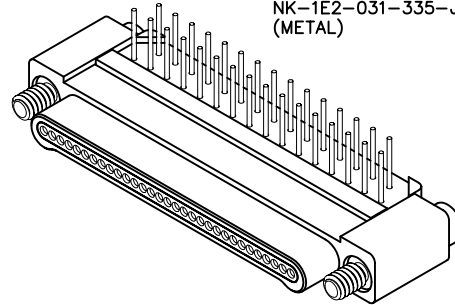
Flex to Board Plug

.025"

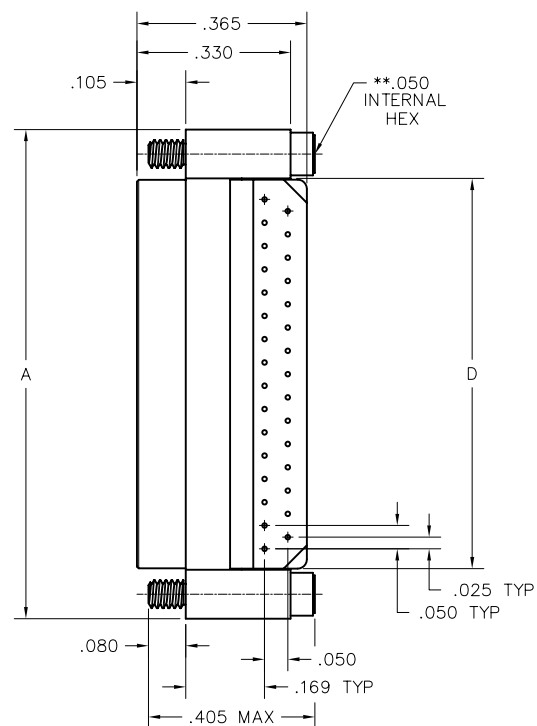
NK, NK

9 thru 85 Contacts

NK-1E2-031-335-JC00
(METAL)



PLUG



SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NK-1E2-031-335-JC00
XX-XXX-XXX-XXX-XXXX

PLUG

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

1 1-Row

BODY STYLE:

E Plug, right angle, plated thru hole (PTH)

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

32 Pin, right angle, .109"

33 Pin, right angle, .140"

34 Pin, right angle, .172"

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒

8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

00 None

JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

00 None

* = .050 hex key (#0-80 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

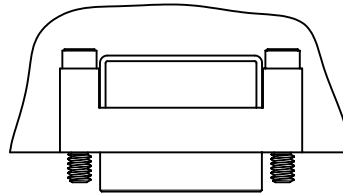
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

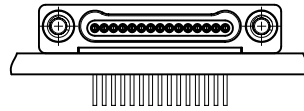


Recommended Flex Circuit Layout

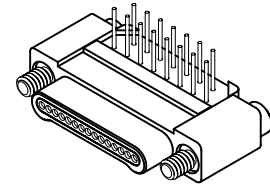
Right Angle Flex Mount PTH Plug
FOR REFERENCE ONLY



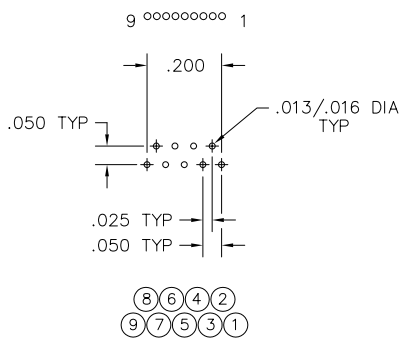
FLEX CIRCUIT LAYOUT
COMPONENT SIDE



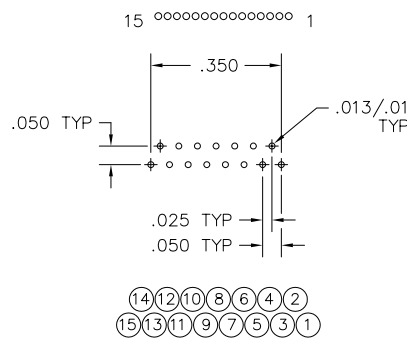
CONNECTOR MATING FACE



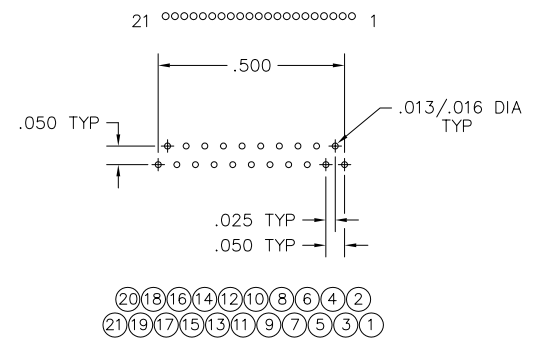
9 POSITION



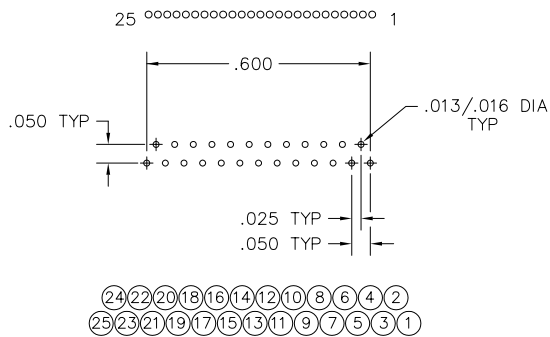
15 POSITION



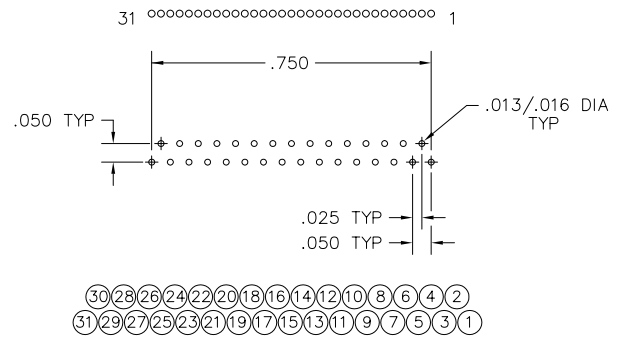
21 POSITION



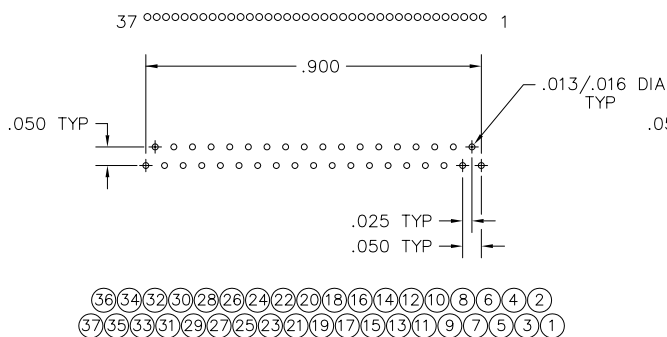
25 POSITION



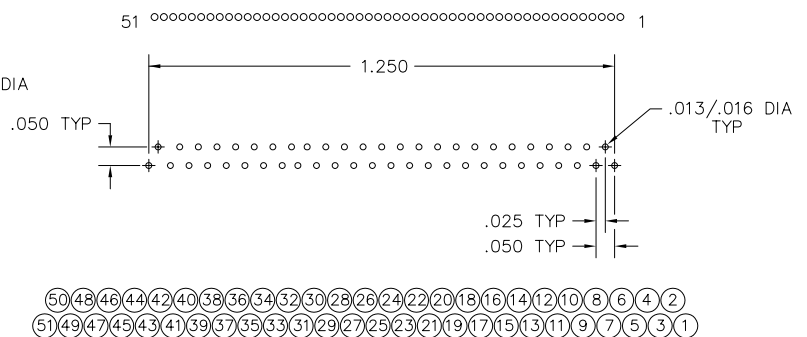
31 POSITION



37 POSITION



51 POSITION



Call (972) 931-3200 · Fax (972) 931-9305 · www.AirBorn.com



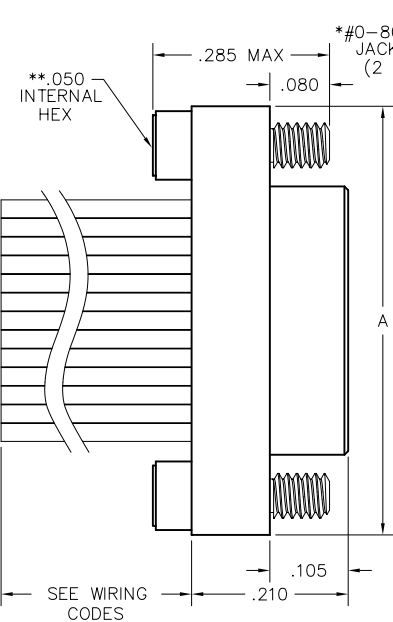
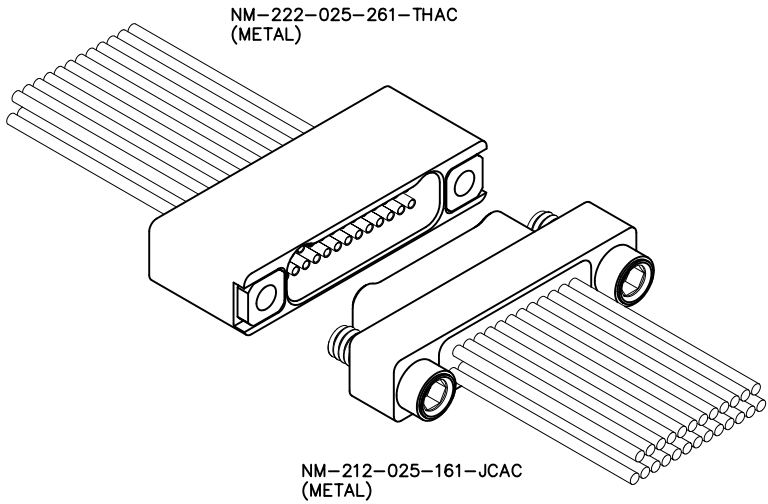
2 · ROW

Cable to Cable

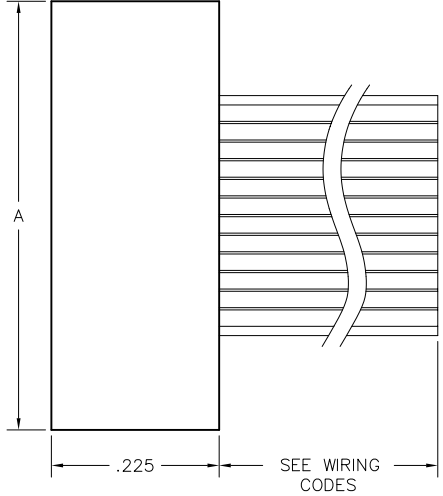
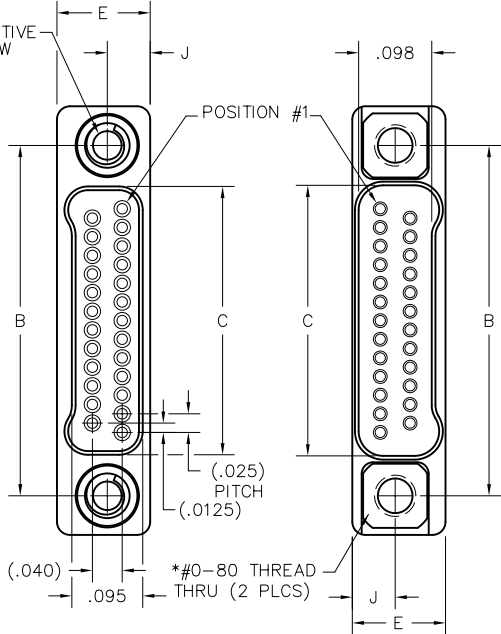
.025"

NM, NM

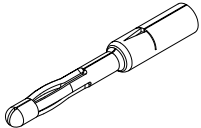
9 thru 91 Contacts



PLUG

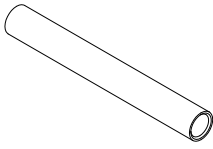


RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.160	.163	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.238			
21	.525	.420	.310	.313			
25	.575	.470	.360	.363			
31	.650	.545	.435	.438			
37	.725	.620	.510	.513			
51	.900	.795	.685	.688			
65	1.075	.970	.860	.863			
69	1.125	1.020	.910	.913	.150	.0700	#2-56 THREAD
85	1.377	1.246	1.110	1.113			
91	1.452	1.321	1.185	1.195			



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NM-212-025-161-JCAC
RECEPTACLE: NM-222-025-261-THAC
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
BODY STYLE: 1 Plug, straight 5 Plug, straight, with factory installed backshell (See page NA-3)		BODY STYLE: 2 Receptacle, straight 6 Receptacle, straight, with factory installed backshell (See page NA-3)	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒ 4 Liquid Crystal Polymer w/ stainless steel shell 5 Liquid Crystal Polymer w/ titanium shell		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒ 4 Liquid Crystal Polymer w/ stainless steel shell 5 Liquid Crystal Polymer w/ titanium shell	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)		XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085, or 091)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire		TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire	
PLATING OPTIONS: 1 50 u" Au contacts		PLATING OPTIONS: 1 50 u" Au contacts	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole**, #0-80 UNF* (body material 2 and 3 only)		STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF* (body material 2 and 3 only) TH Threaded hole**, #0-80 UNF*	
WIRING OPTIONS: XX See wiring codes, Page NA-2		WIRING OPTIONS: XX See wiring codes, Page NA-2	

* = #2-56 UNC thread on 85 and 91 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

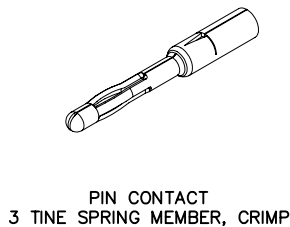
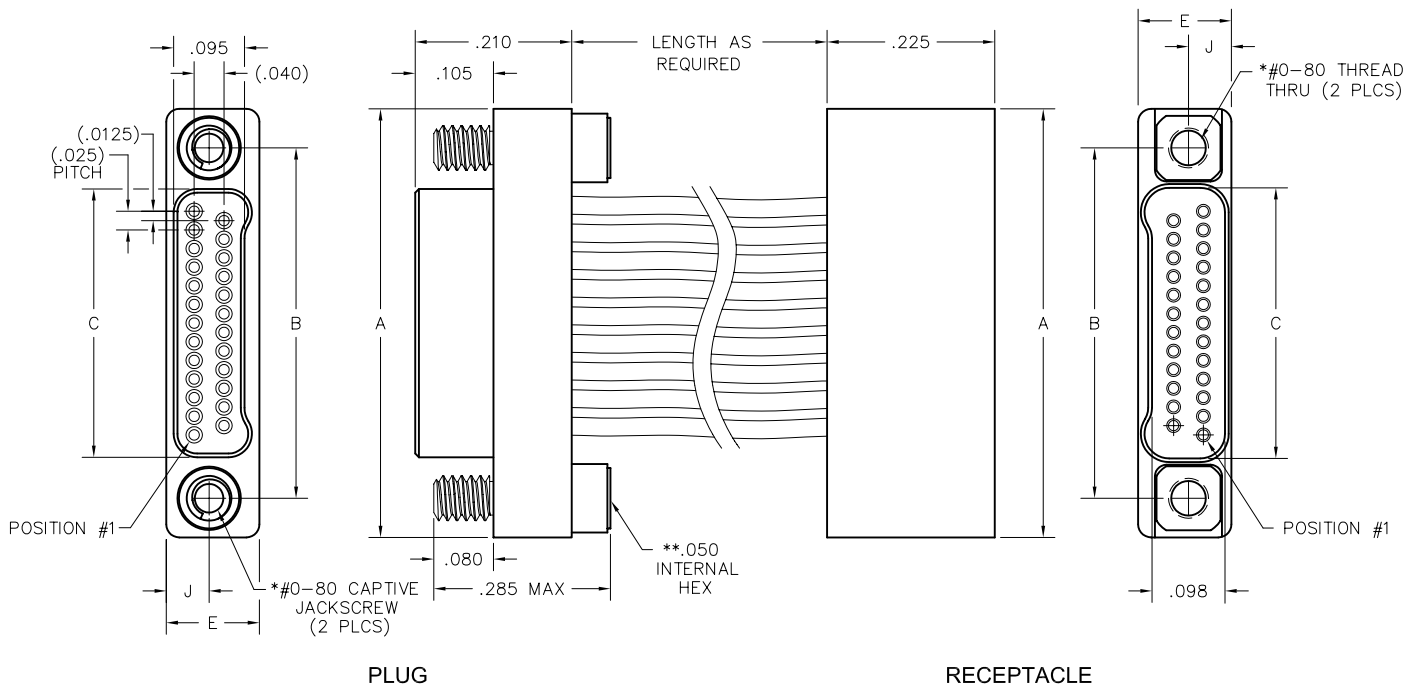
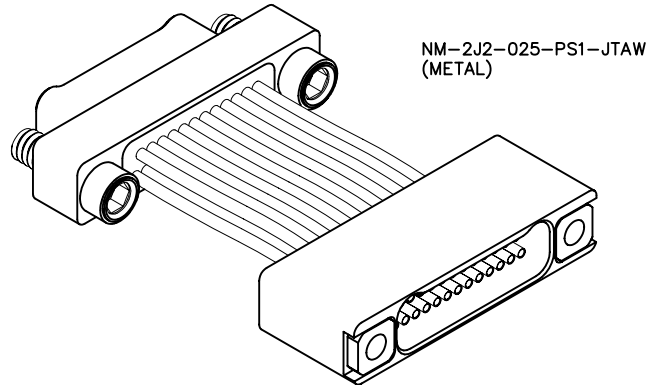
☒ = Option not RoHS compliant

2 · ROW Cable to Cable (Jumper Assembly)

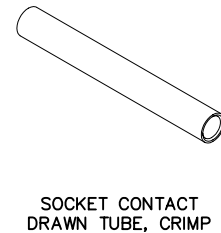
.025"

NM, NM

9 thru 85 Contacts



SIZE	A	B	DIMENSIONS		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.160	.163	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.238			
21	.525	.420	.310	.313			
25	.575	.470	.360	.363			
31	.650	.545	.435	.438			
37	.725	.620	.510	.513			
51	.900	.795	.685	.688			
65	1.075	.970	.860	.863			
69	1.125	1.020	.910	.913	.150	.0700	#2-56 THREAD
85	1.377	1.246	1.110	1.113			



* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
 TAKEN ACROSS THE FLATS.

NM- 2J2- 025- PS1 -JTAW
XX-XXX-XXX-XXX-XXXX

SERIES	
NM	.025" Metal I/O Connector
BODY	
2	2-Row
BODY STYLE:	
J	Jumper assembly
BODY MATERIAL:	
2	Liquid Crystal Polymer with electroless nickel shell
3	Liquid Crystal Polymer with electrodeposited cadmium shell ☒
4	Liquid Crystal Polymer with stainless steel shell
5	Liquid Crystal Polymer with titanium shell
SIZE	
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS	
TYPE CONTACTS/TERMINATIONS:	
PP	Plug to plug
PS	Plug to receptacle
SS	Receptacle to receptacle
PLATING OPTIONS:	
1	50 µ" Au contacts
HARDWARE	
STYLE OF HARDWARE:	
00	None
JJ	Four #0-80 UNF* turning jackscrews, captivated, two on each connector***
JT	Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF* threaded holes** on receptacle
JP	Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF* threaded holes** on plug***
TJ	Two #0-80 UNF* threaded holes** on plug & two #0-80 UNF* turning jackscrews, captivated, on receptacle***
JR	Two #0-80 UNF* turning jackscrews, captivated, on receptacle & two #0-80 UNF* threaded holes** on receptacle***
TT	Four #0-80 UNF* threaded holes**, two on each connector***
POLARIZATION / WIRING:	
XX	For wiring codes, see page NA-2

* = #2-56 UNC thread on 85 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

*** = Body material 2 and 3 only

● Consult factory if jumpers require other than direct one to one connections.

☒ = Option not RoHS compliant



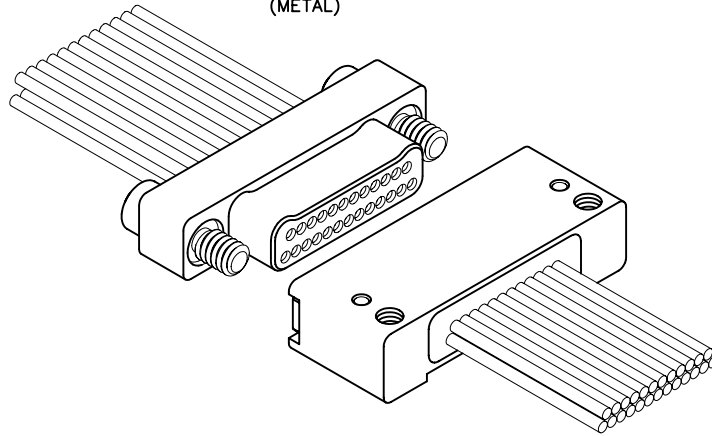
2 · ROW Cable to Cable

.025"

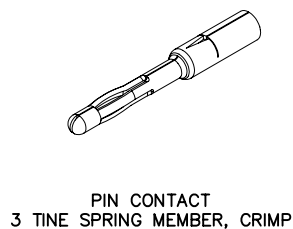
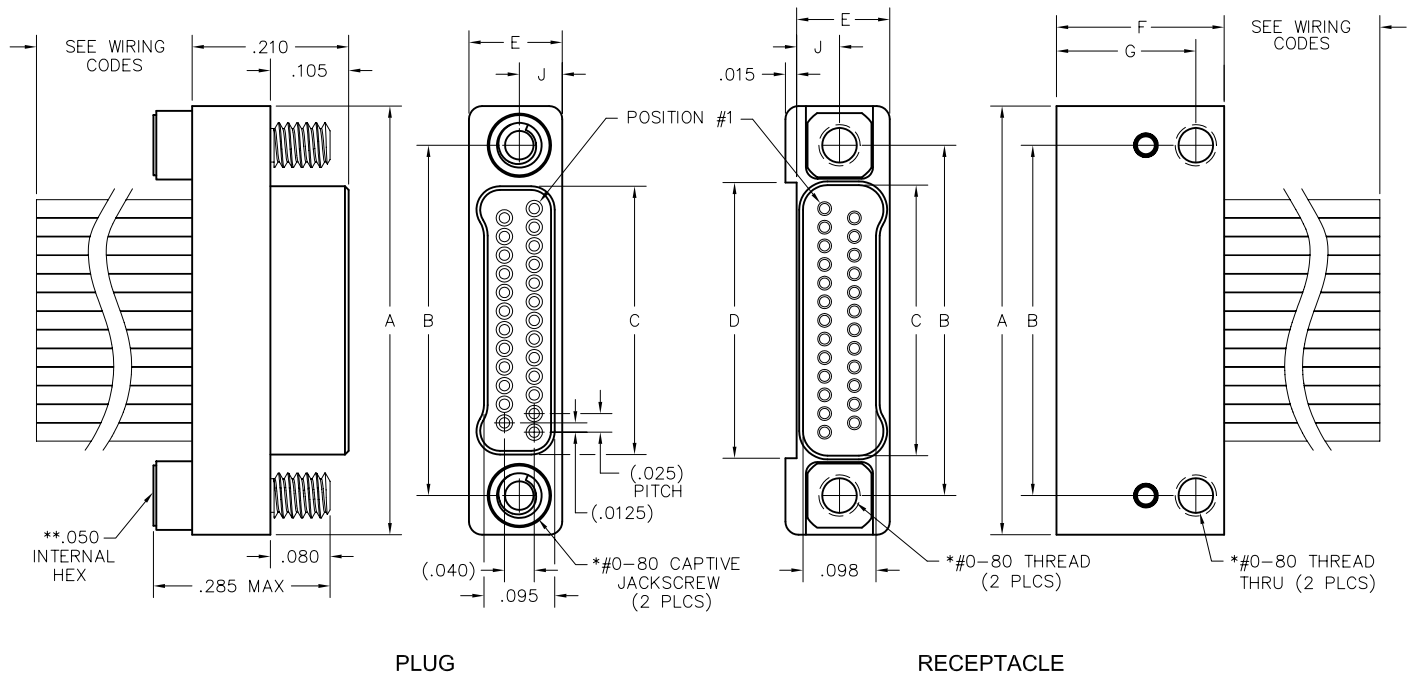
NM, NM

9 thru 85 Contacts

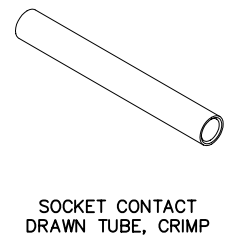
NM-212-025-161-JCAC
(METAL)



NM-242-025-261-THAC
(METAL)



SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170					
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445	.125	.225	.187	.0575	#0-80 THREAD
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.270	.210	.0700	#2-56 THREAD



* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
 TAKEN ACROSS THE FLATS.

PLUG: NM-212-025-161-JCAC
RECEPTACLE: NM-242-025-261-THAC
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
1	BODY STYLE: Plug, straight	4	BODY STYLE: Receptacle, straight with mounting holes
2	BODY MATERIAL: Liquid Crystal Polymer w/ electroless nickel shell	2	BODY MATERIAL: Liquid Crystal Polymer w/ electroless nickel shell
3	BODY MATERIAL: Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	BODY MATERIAL: Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)
CONTACTS			
16	TYPE CONTACTS/TERMINATIONS: Pin, straight, crimped wire	26	TYPE CONTACTS/TERMINATIONS: Socket, straight, crimped wire
1	PLATING OPTIONS: 50 u" Au contacts	1	PLATING OPTIONS: 50 u" Au contacts
HARDWARE			
JC	STYLE OF HARDWARE: Turning jackscrews, captivated #0-80 UNF*	TH	STYLE OF HARDWARE: Threaded hole, #0-80 UNF*
XX	WIRING OPTIONS: See wiring codes, Page NA-2	XX	WIRING OPTIONS: See wiring codes, Page NA-2

* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

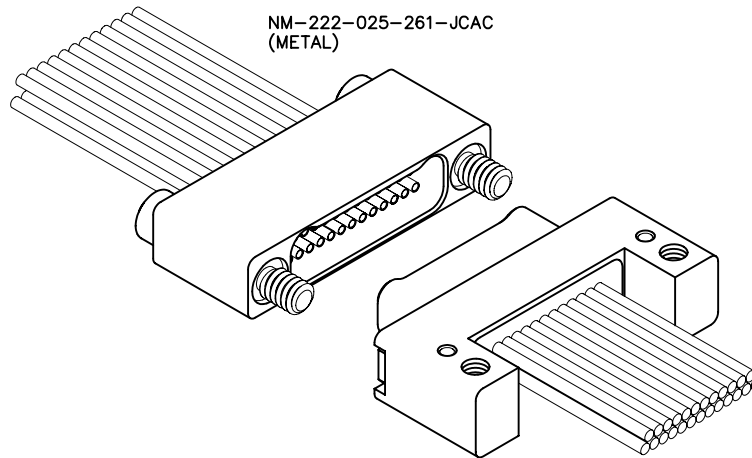
☒ = Option not ROHS compliant

2 · ROW Cable to Cable

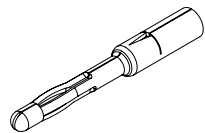
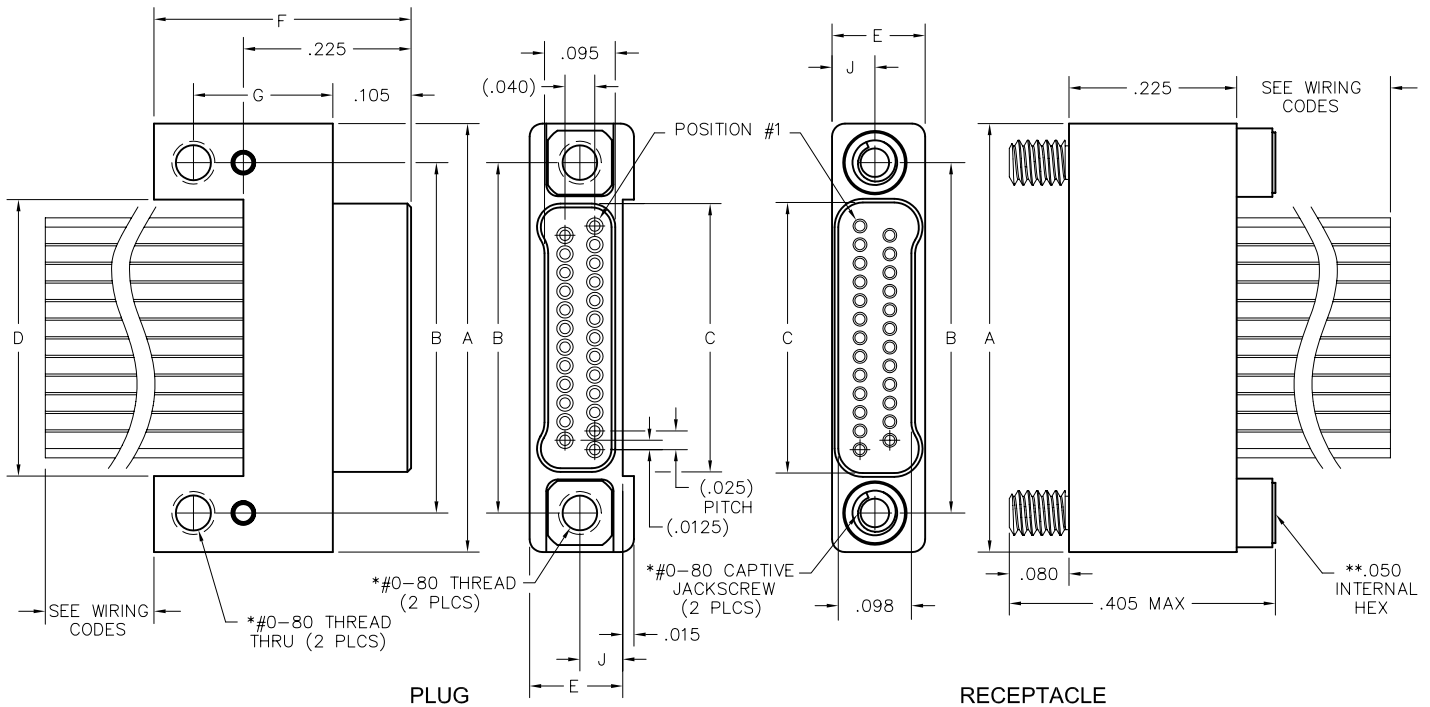
.025"

NM, NM

9 thru 85 Contacts

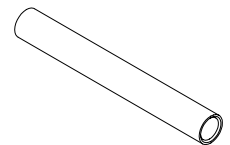


NM-232-025-161-THAC
(METAL)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170					
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445	.125	.345	.187	.0575	#0-80 THREAD
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.375	.205	.0700	#2-56 THREAD



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
 TAKEN ACROSS THE FLATS.

PLUG: NM-232-025-161-THAC
RECEPTACLE: NM-222-025-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
3	BODY STYLE: Plug, straight with mounting holes	2	BODY STYLE: Receptacle, straight
2	BODY MATERIAL: Liquid Crystal Polymer w/ electroless nickel shell	2	BODY MATERIAL: Liquid Crystal Polymer w/ electroless nickel shell
3	BODY MATERIAL: Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	BODY MATERIAL: Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)
CONTACTS			
16	TYPE CONTACTS/TERMINATIONS: Pin, straight, crimped wire	26	TYPE CONTACTS/TERMINATIONS: Socket, straight, crimped wire
1	PLATING OPTIONS: 50 u" Au contacts	1	PLATING OPTIONS: 50 u" Au contacts
HARDWARE			
TH	STYLE OF HARDWARE: Threaded hole, #0-80 UNF*	JC	STYLE OF HARDWARE: Turning jackscrews, captivated #0-80 UNF*
XX	WIRING OPTIONS: See wiring codes, Page NA-2	XX	WIRING OPTIONS: See wiring codes, Page NA-2

* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not ROHS compliant

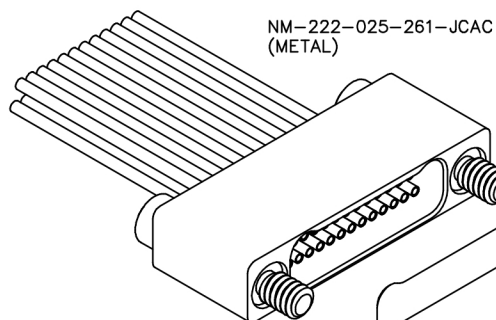


2 · ROW Cable to Board Horizontal SMT

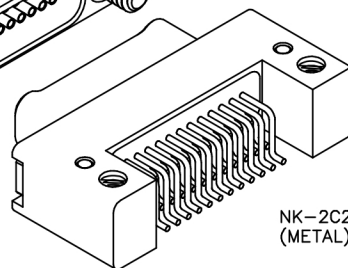
.025"

NM, NK

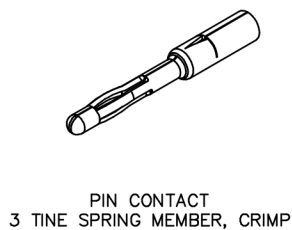
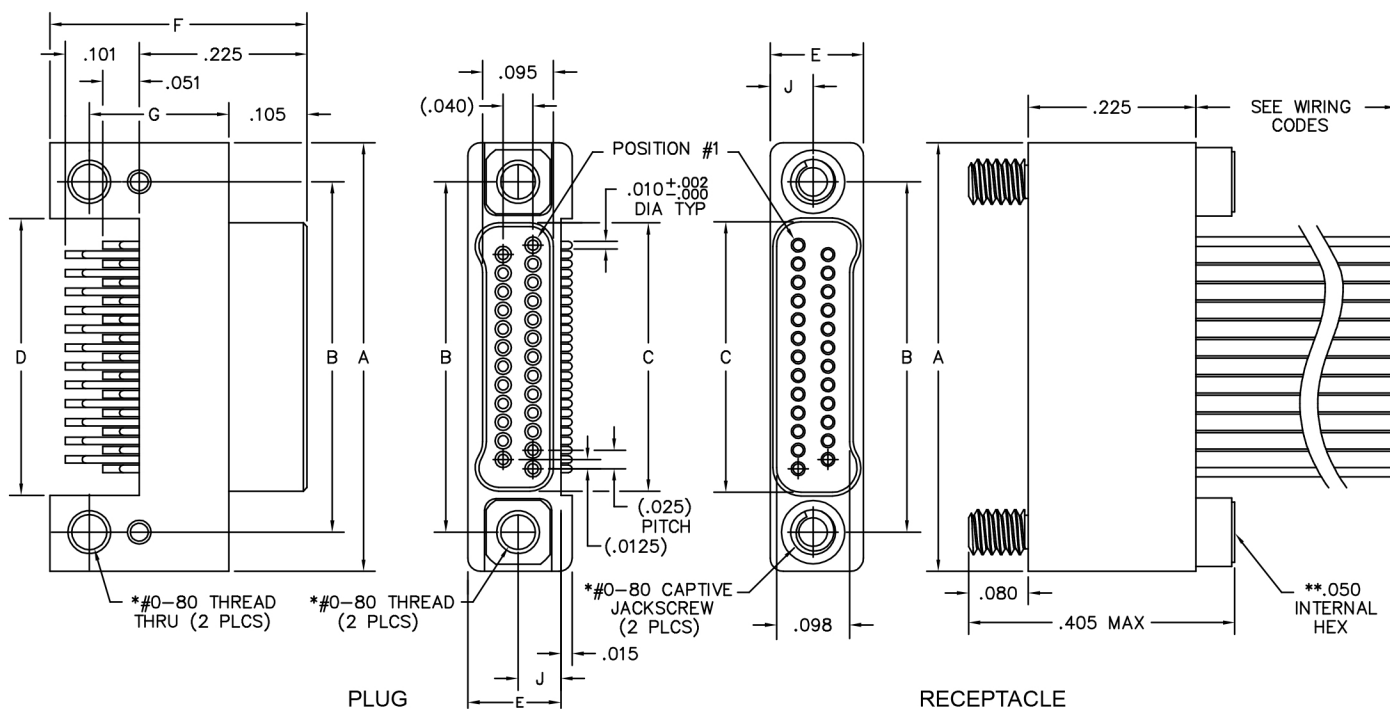
9 thru 91 Contacts



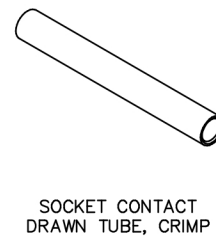
NM-222-025-261-JCAC
(METAL)



NK-2C2-025-125-TH00
(METAL)



SIZE	A		C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170					
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445	.125	.345	.187	.0575	#0-80 THREAD
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.375	.205	.0700	#2-56 THREAD
91	1.452	1.321	1.185	1.188	1.195					



* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
 TAKEN ACROSS THE FLATS.

PLUG: NK-2C2-025-125-TH00
RECEPTACLE: NM-222-025-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

2 2-Row

2 2-Row

BODY STYLE:

C Plug, horizontal mount SMT

BODY STYLE:

2 Receptacle, straight
 6 Receptacle, straight, with factory installed backshell
 (See page NA-3)

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell
 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell
 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

12 Pin, SMT

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒
 8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

00 None
 TH Threaded hole, #0-80 UNF*

STYLE OF HARDWARE:

00 None
 JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

00 None

WIRING OPTIONS:

XX See wiring codes, Page NA-2

* = #2-56 UNC thread on 85 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

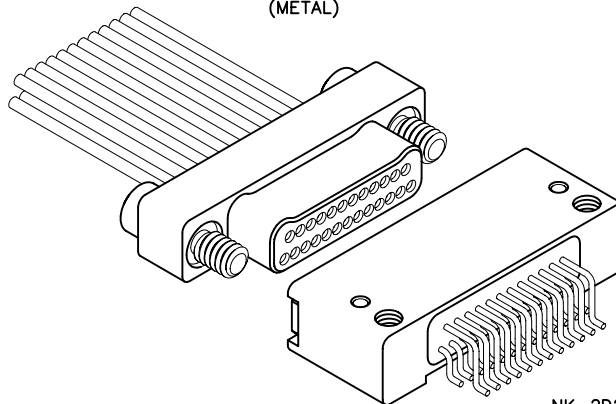
2 · ROW Cable to Board Horizontal SMT

.025"

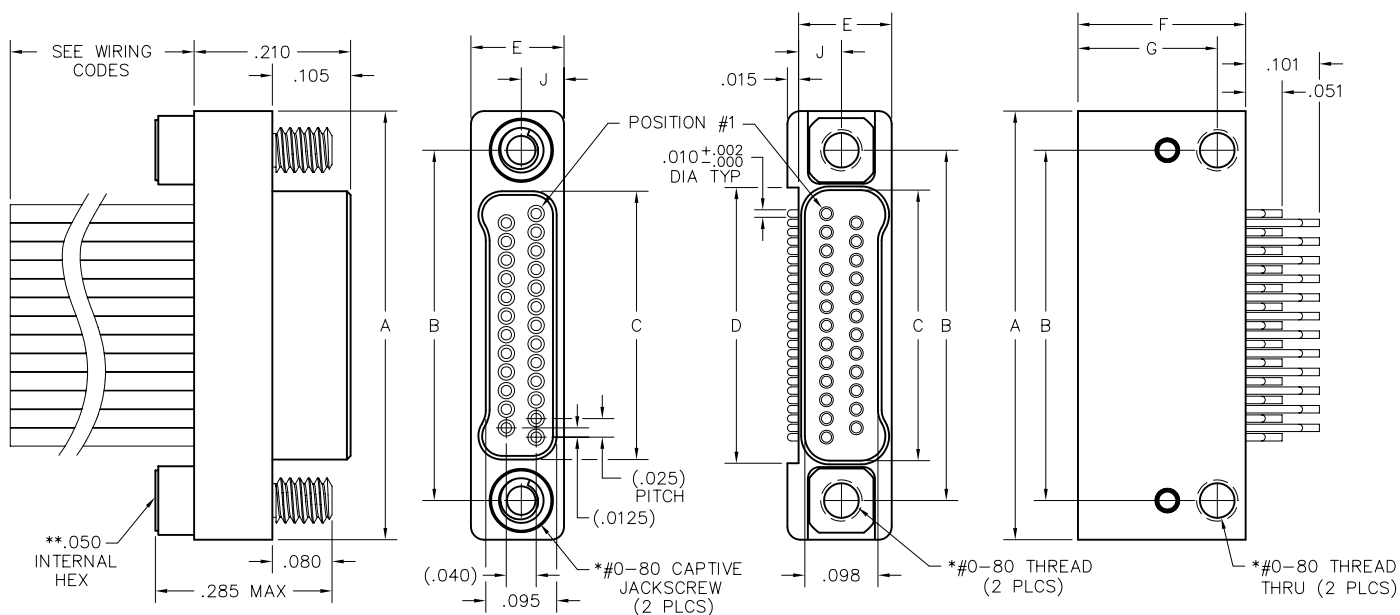
NM, NK

9 thru 85 Contacts

NM-212-025-161-JCAC
(METAL)

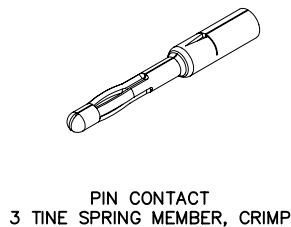


NK-2D2-025-225-TH00
(METAL)

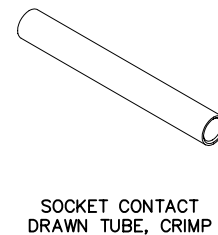


PLUG

RECEPTACLE



SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170					
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445	.125	.225	.187	.0575	#0-80 THREAD
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.270	.210	.0700	#2-56 THREAD



* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
TAKEN ACROSS THE FLATS.

PLUG: NM-212-025-161-JCAC
RECEPTACLE: NK-2D2-025-225-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal I/O Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
2	2-Row	2	2-Row
BODY STYLE: 1 Plug, straight 5 Plug, straight, with factory installed backshell (See page NA-3)		BODY STYLE: D Receptacle, horizontal mount SMT	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)		XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire		TYPE CONTACTS/TERMINATIONS: 22 Socket, SMT	
PLATING OPTIONS: 1 50 u" Au contacts		PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF*	
WIRING OPTIONS: XX See wiring codes, Page NA-2		WIRING OPTIONS: 00 None	

* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

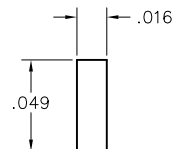
☒ = Option not RoHS compliant



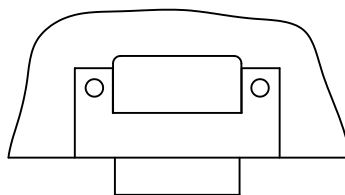
Recommended PC Board Layout

Horizontal SMT Plug
FOR REFERENCE ONLY

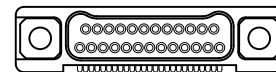
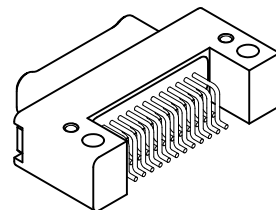
No solder mask allowed
within connector outline



FOOTPRINT / PAD
CONFIGURATION



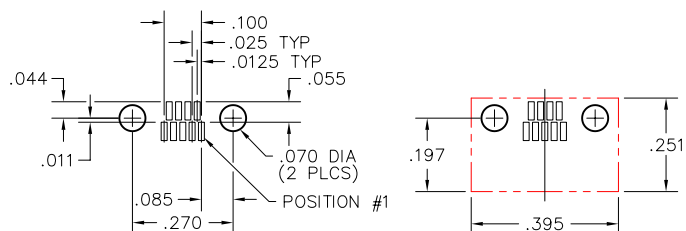
PC BOARD LAYOUT
COMPONENT SIDE



CONNECTOR MATING FACE

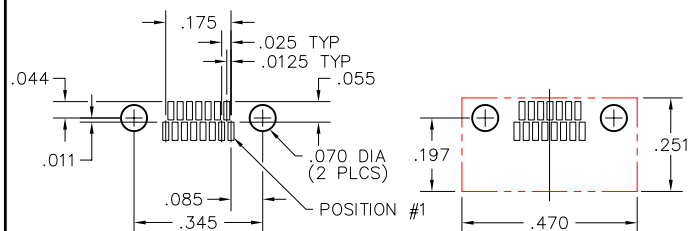
9 POSITION

9 0000 6
5 0000 1



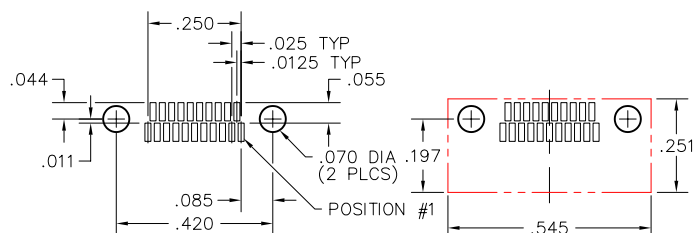
15 POSITION

15 000000 9
8 000000 1



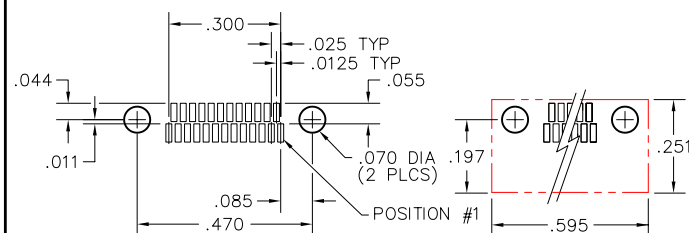
21 POSITION

21 00000000 12
11 00000000 1



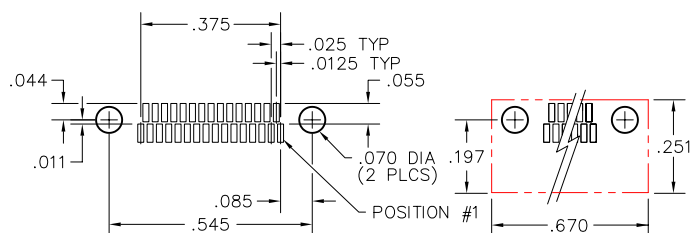
25 POSITION

25 0000000000 14
13 0000000000 1



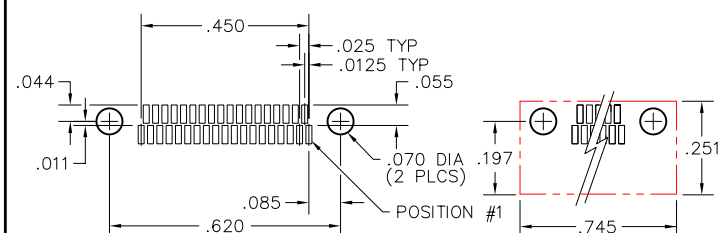
31 POSITION

31 000000000000 17
16 000000000000 1



37 POSITION

37 00000000000000 20
19 00000000000000 1

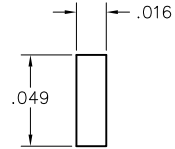




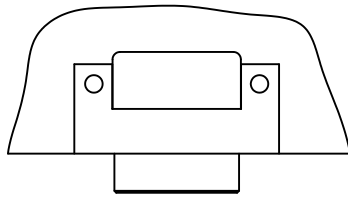
Recommended PC Board Layout

Horizontal SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

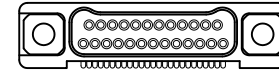
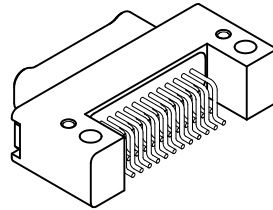
No solder mask allowed
within connector outline



FOOTPRINT / PAD
CONFIGURATION

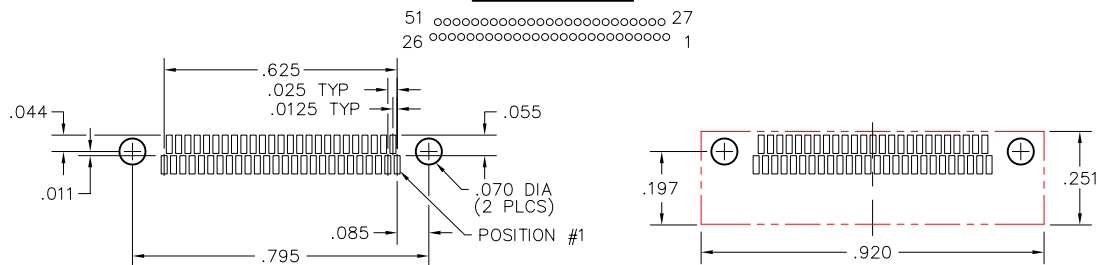


PC BOARD LAYOUT
COMPONENT SIDE

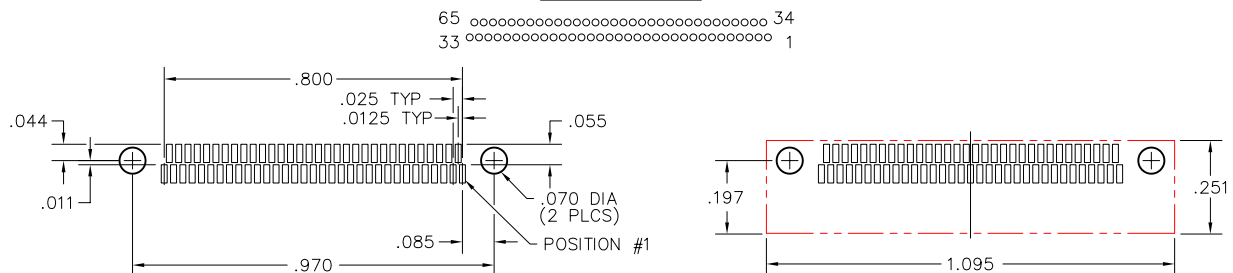


CONNECTOR MATING FACE

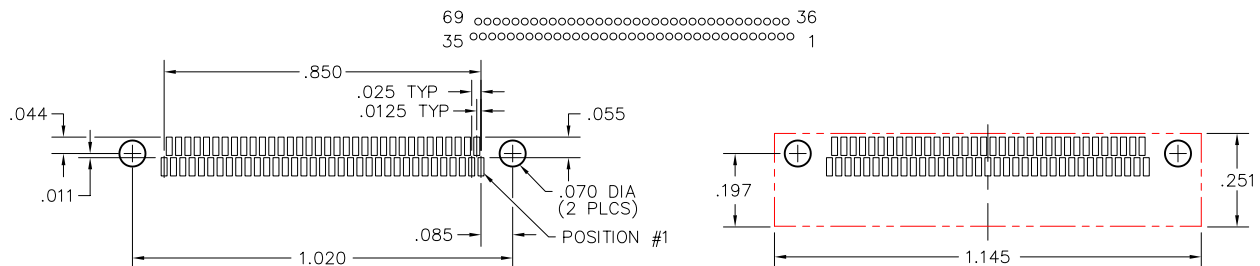
51 POSITION



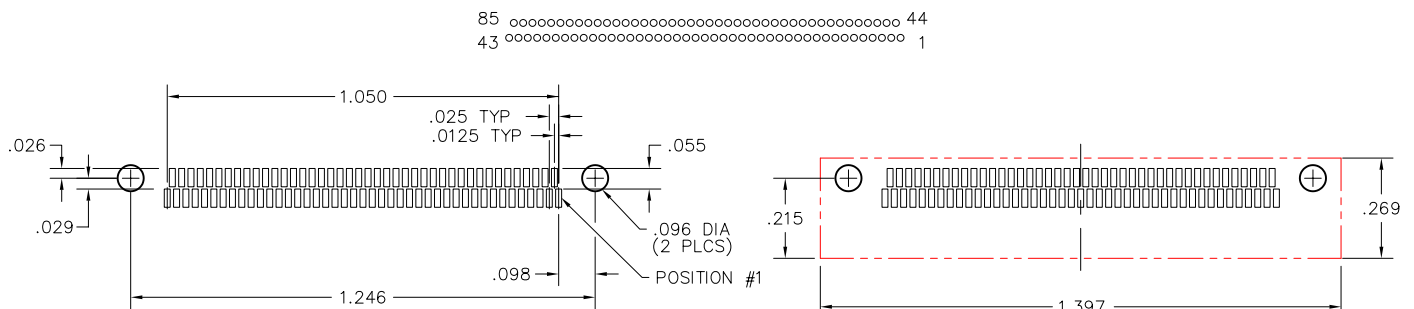
65 POSITION



69 POSITION



85 POSITION

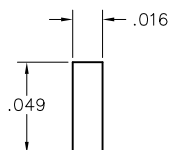




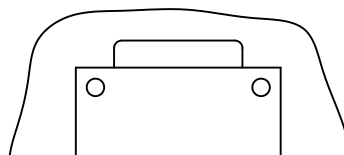
Recommended PC Board Layout

Horizontal SMT Receptacle
FOR REFERENCE ONLY

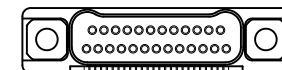
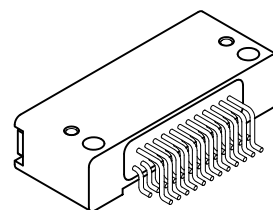
No solder mask allowed
within connector outline



FOOTPRINT / PAD
CONFIGURATION

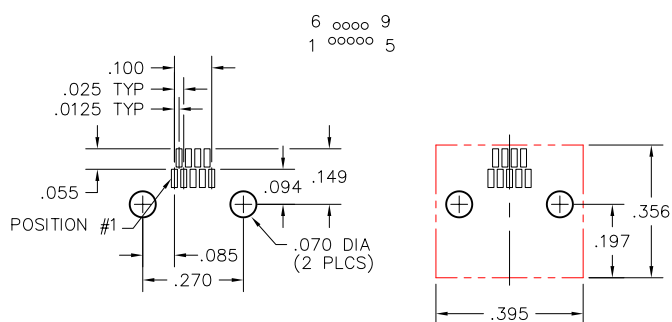


PC BOARD LAYOUT
COMPONENT SIDE

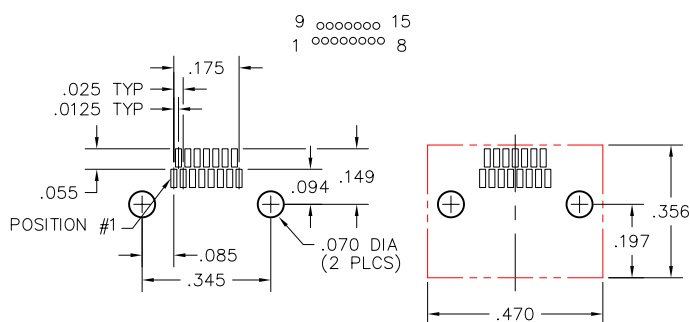


CONNECTOR MATING FACE

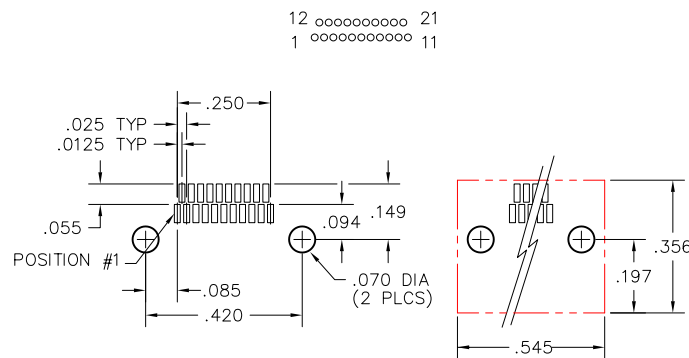
9 POSITION



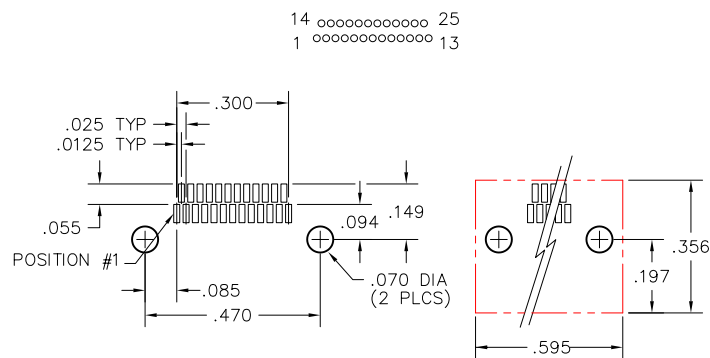
15 POSITION



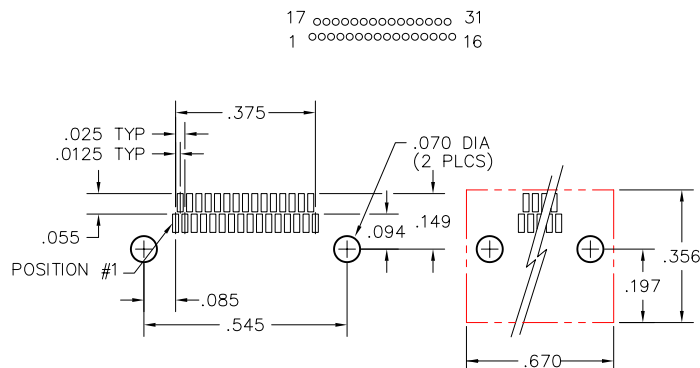
21 POSITION



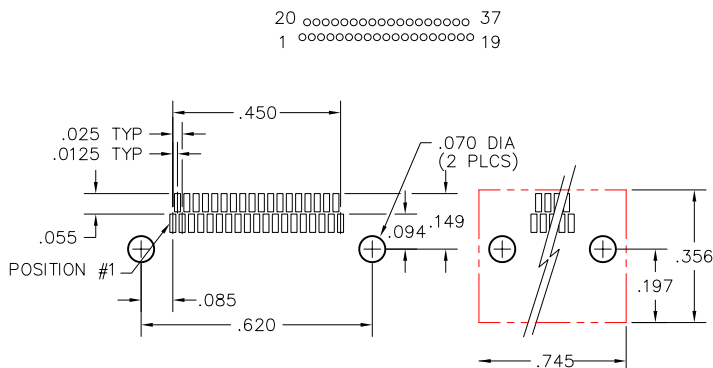
25 POSITION



31 POSITION



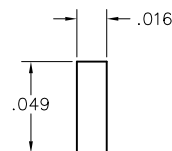
37 POSITION



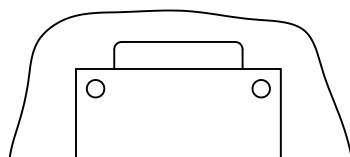
Recommended PC Board Layout

Horizontal SMT Receptacle
FOR REFERENCE ONLY

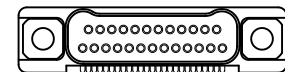
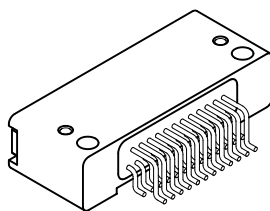
No solder mask allowed
within connector outline



FOOTPRINT / PAD
CONFIGURATION

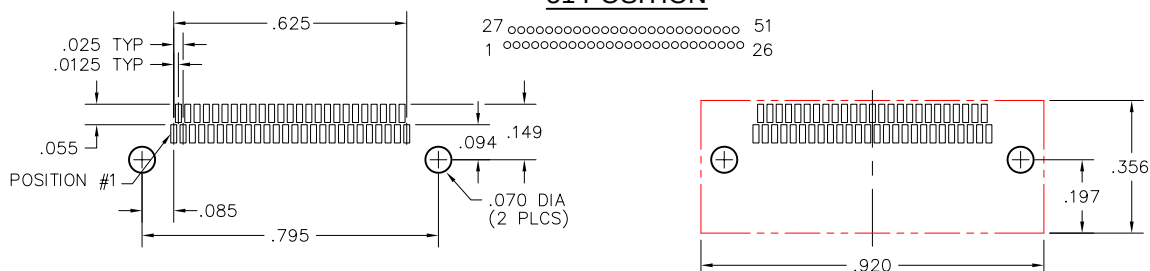


PC BOARD LAYOUT
COMPONENT SIDE

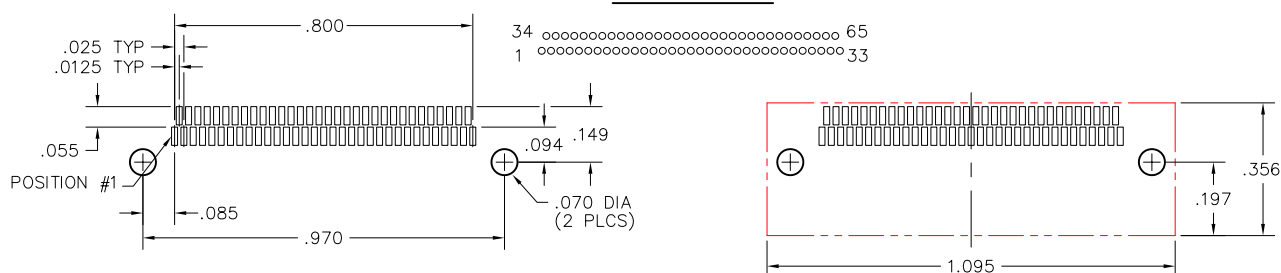


CONNECTOR MATING FACE

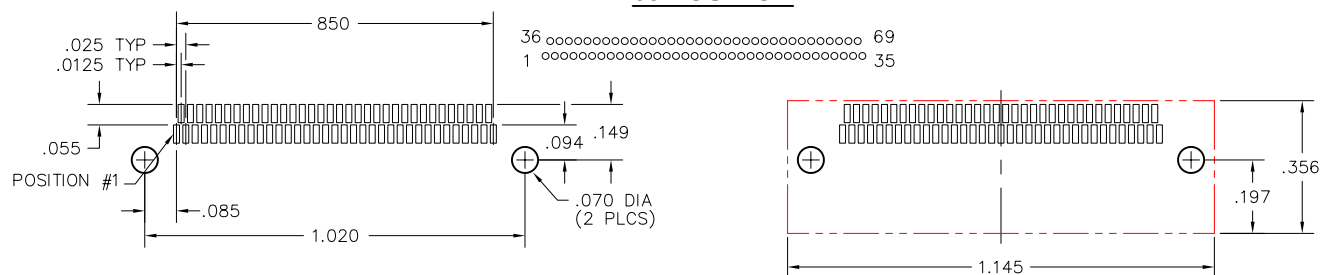
51 POSITION



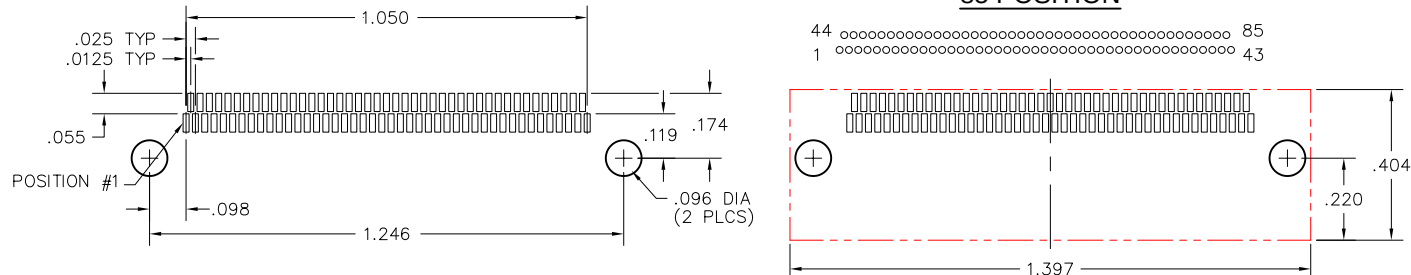
65 POSITION



69 POSITION



85 POSITION





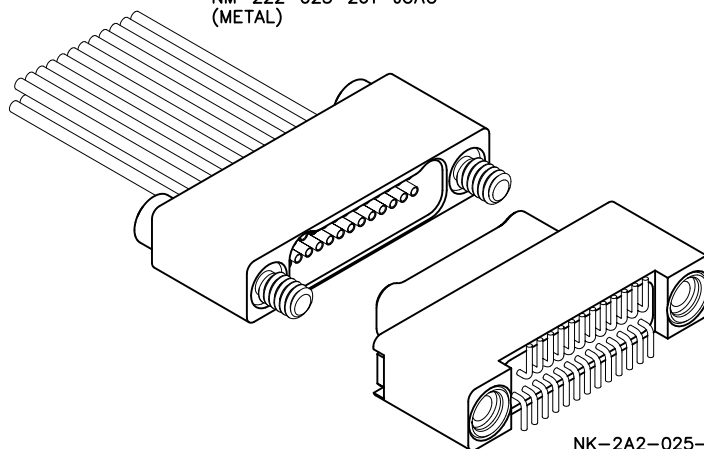
2 · ROW Cable to Board Vertical SMT

.025"

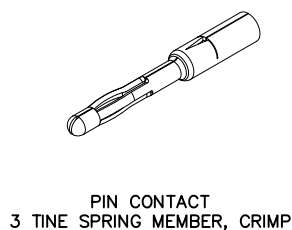
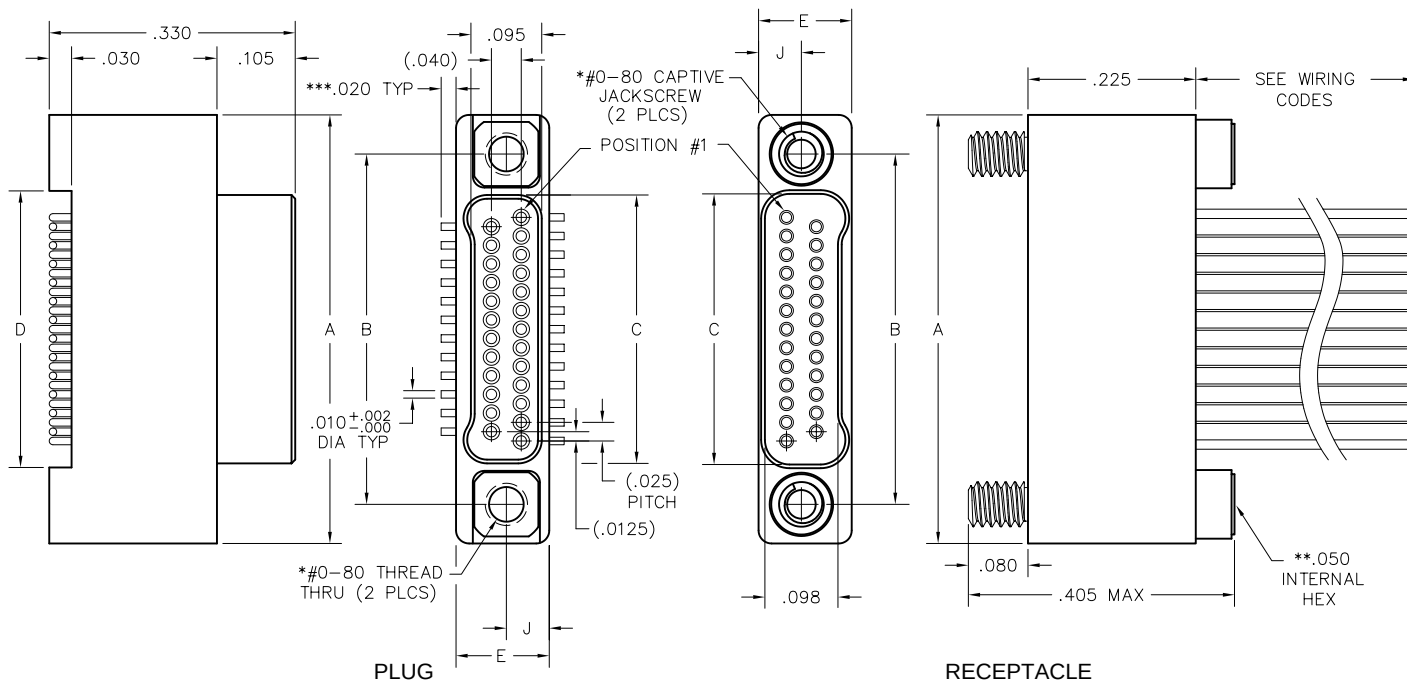
NM, NK

9 thru 91 Contacts

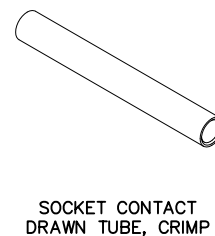
NM-222-025-261-JCAC
(METAL)



NK-2A2-025-125-TH00
(METAL)



SIZE	A	B	C		D	E	J	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.170	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.238	.245			
21	.525	.420	.310	.313	.320			
25	.575	.470	.360	.363	.370			
31	.650	.545	.435	.438	.445			
37	.725	.620	.510	.513	.520			
51	.900	.795	.685	.688	.695			
65	1.075	.970	.860	.863	.870			
69	1.125	1.020	.910	.913	.920			
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	#2-56 THREAD
91	1.457	1.321	1.185	1.188	1.195			



* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
 *** = DIMENSION CHANGES TO .040" FOR ".010" OPTION.
 SEE PAGE N-48.

PLUG: NK-2A2-025-125-TH00
RECEPTACLE: NM-222-025-261-JCAC
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG
RECEPTACLE
SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

2 2-Row

2 2-Row

BODY STYLE:

A Plug, vertical mount SMT

BODY STYLE:

2 Receptacle, straight
 6 Receptacle, straight, with factory installed backshell (See page NA-3)

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell
 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell
 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS
TYPE CONTACTS/TERMINATIONS:

12 Pin, SMT (.020 lead envelope)

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒
 8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE
STYLE OF HARDWARE:

00 None
 TH Threaded hole, #0-80 UNF*

STYLE OF HARDWARE:

00 None
 JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

00 None

WIRING OPTIONS:

XX See wiring codes, Page NA-2

OPTIONS

010 .040 lead envelope

* = #2-56 UNC thread on 85 and 91 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

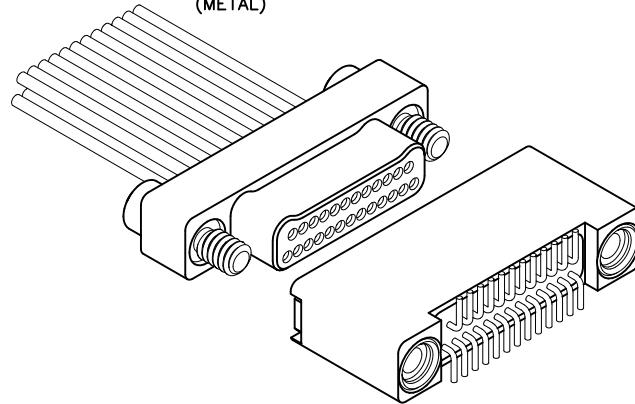
2 · ROW Cable to Board Vertical SMT

.025"

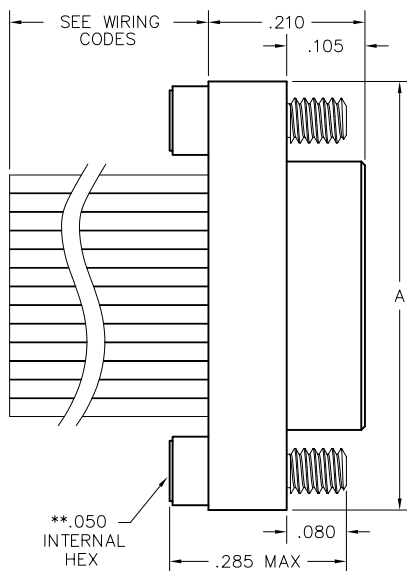
NM, NK

9 thru 91 Contacts

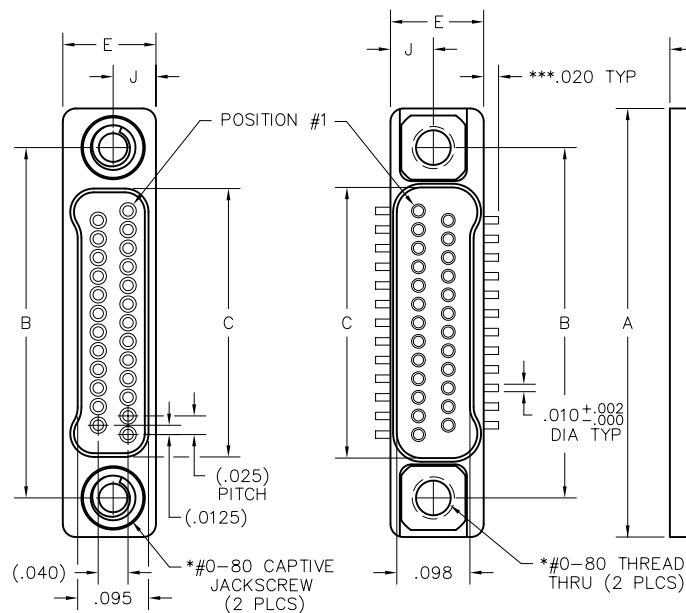
NM-212-025-161-JCAC
(METAL)



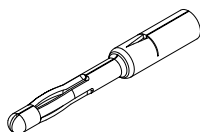
NK-2B2-025-225-TH00
(METAL)



PLUG

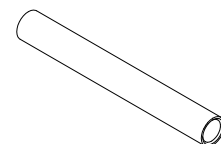


RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D	E	J	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.170	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.238	.245			
21	.525	.420	.310	.313	.320			
25	.575	.470	.360	.363	.370			
31	.650	.545	.435	.438	.445			
37	.725	.620	.510	.513	.520			
51	.900	.795	.685	.688	.695			
65	1.075	.970	.860	.863	.870			
69	1.125	1.020	.910	.913	.920	.150	.0700	#2-56 THREAD
85	1.377	1.246	1.110	1.113	1.120			
91	1.457	1.321	1.185	1.188	1.195			



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
 *** = DIMENSION CHANGES TO .040" FOR ".010" OPTION.
 SEE PAGE N-50.

PLUG: NM-212 -025- 161 -JCAC
RECEPTACLE: NK -2B2 -025-225-TH00
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG
RECEPTACLE
SERIES

NM .025" Metal I/O Connector

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

2 2-Row

BODY STYLE:

1 Plug, straight

 5 Plug, straight, with factory installed backshell
 (See page NA-3)

BODY STYLE:

B Receptacle, vertical mount SMT

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

 3 Liquid Crystal Polymer w/ electrodeposited
 cadmium shell ☒
BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

 3 Liquid Crystal Polymer w/ electrodeposited
 cadmium shell ☒
SIZE

 XXX Number of contacts (009, 015, 021, 025, 031,
 037, 051, 065, 069, 085 or 091)

 XXX Number of contacts (009, 015, 021, 025, 031,
 037, 051, 065, 069, 085 or 091)

CONTACTS
TYPE CONTACTS/TERMINATIONS:

16 Pin, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:

22 Socket, SMT (.020 lead envelope)

PLATING OPTIONS:

1 50 u" Au contacts

PLATING OPTIONS:

 5 50 u" Au contacts; Sn/Pb alloy terminations ☒

8 50 u" Au contacts; Tin plated terminations

HARDWARE
STYLE OF HARDWARE:

00 None

JC Turning jackscrews, captivated #0-80 UNF*

STYLE OF HARDWARE:

00 None

TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:

XX See wiring codes, Page NA-2

WIRING OPTIONS:

00 None

OPTIONS

| 010 .040 lead envelope

* = #2-56 UNC thread on 85 and 91 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

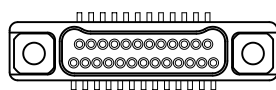
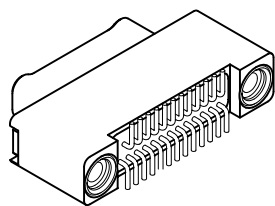
☒ = Option not RoHS compliant



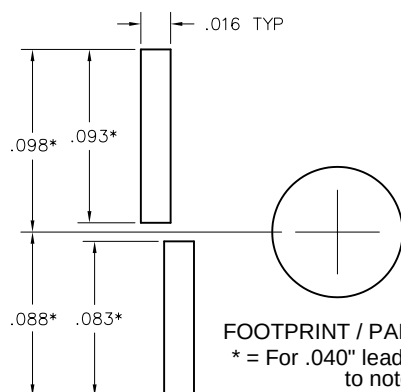
Recommended PC Board Layout

Vertical SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed
within connector outline



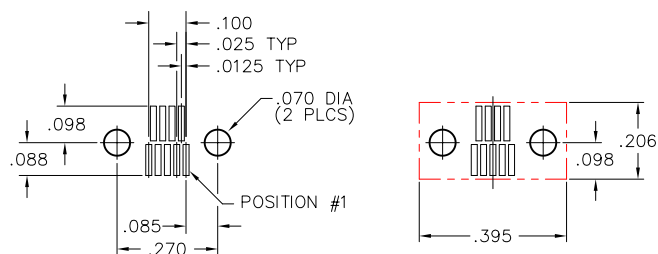
CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

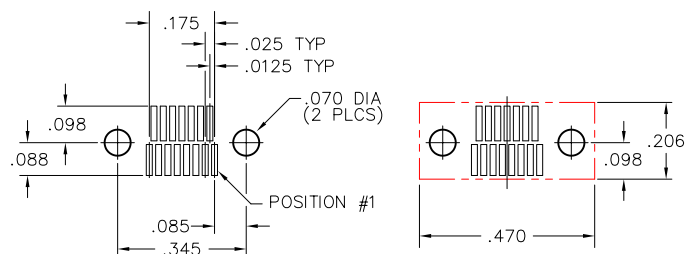
9 POSITION

9 0000 6
5 0000 1



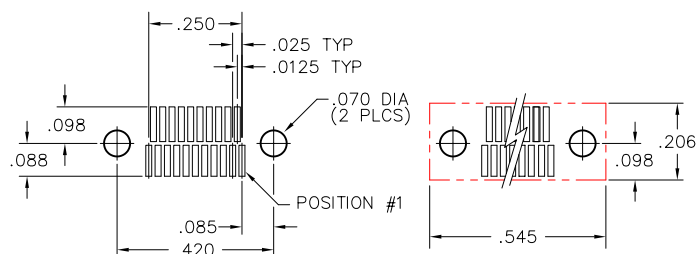
15 POSITION

15 000000 9
8 000000 1



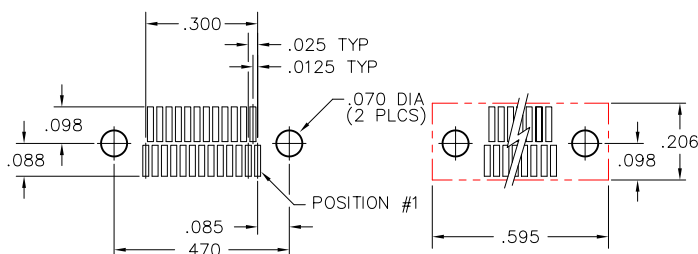
21 POSITION

21 00000000 12
11 00000000 1



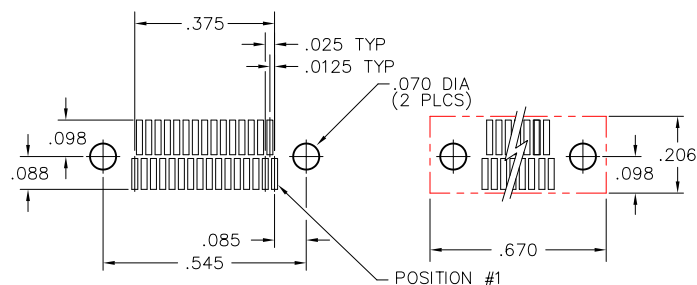
25 POSITION

25 0000000000 14
13 0000000000 1



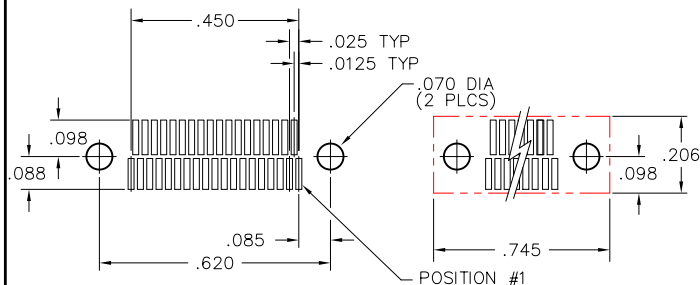
31 POSITION

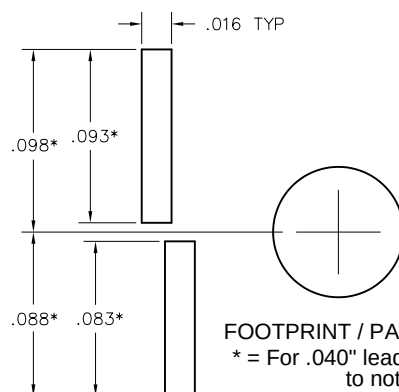
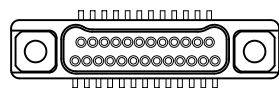
31 000000000000 17
16 000000000000 1



37 POSITION

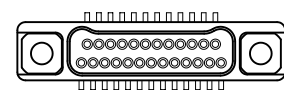
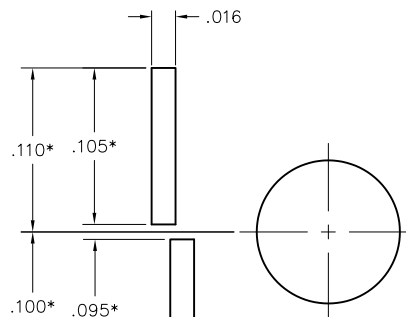
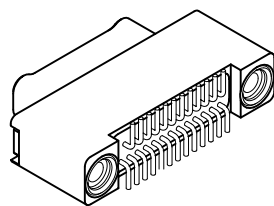
37 00000000000000 20
19 00000000000000 1





* = For .040" lead envelope, add .020" to noted dimensions

No solder mask allowed within connector outline

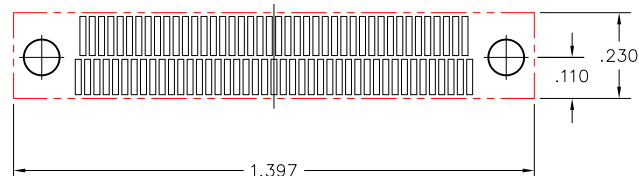
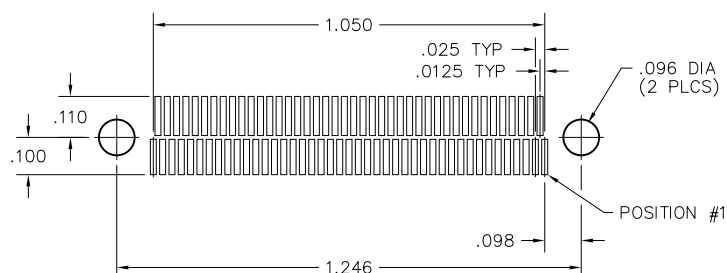
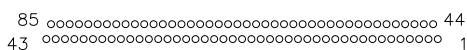


CONNECTOR MATING FACE

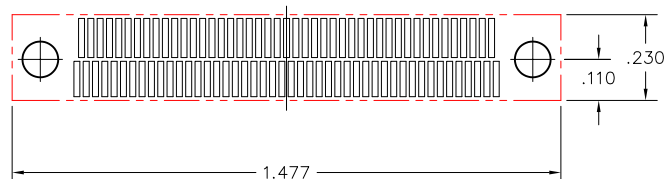
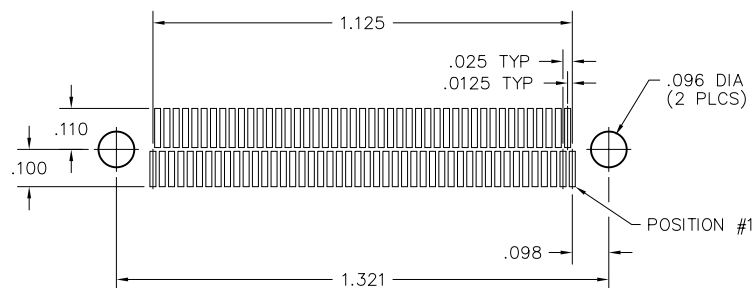
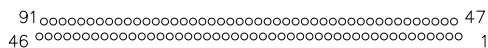
FOOTPRINT / PAD CONFIGURATION

* = For .040" lead envelope, add .020" to noted dimensions

85 POSITION



91 POSITION

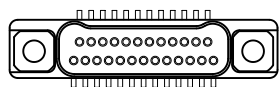
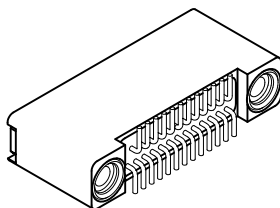




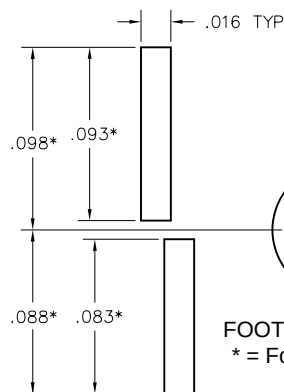
Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

CONNECTOR MATING FACE

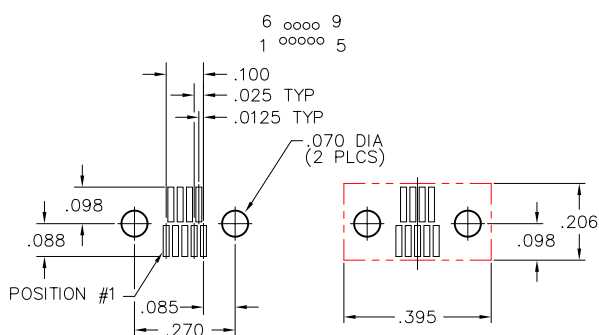


No solder mask allowed
within connector outline

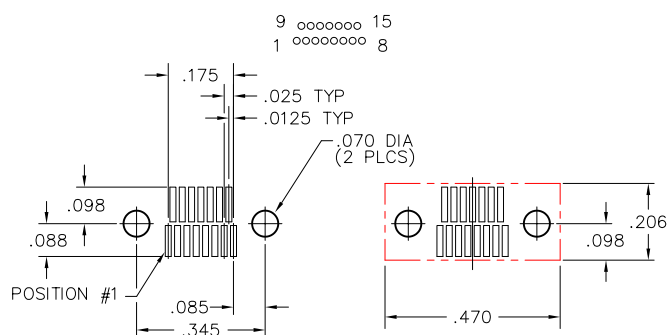


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

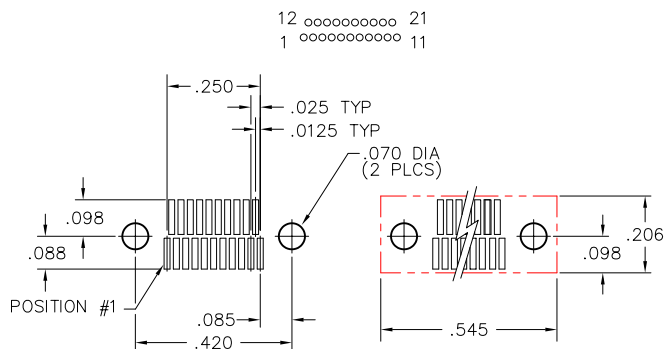
9 POSITION



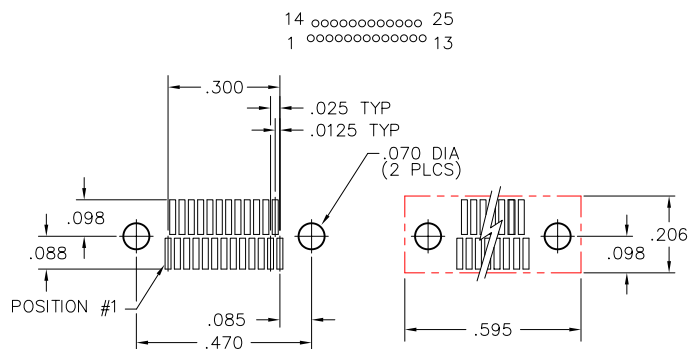
15 POSITION



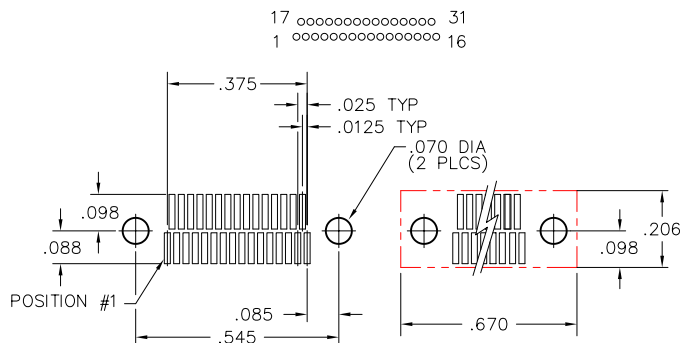
21 POSITION



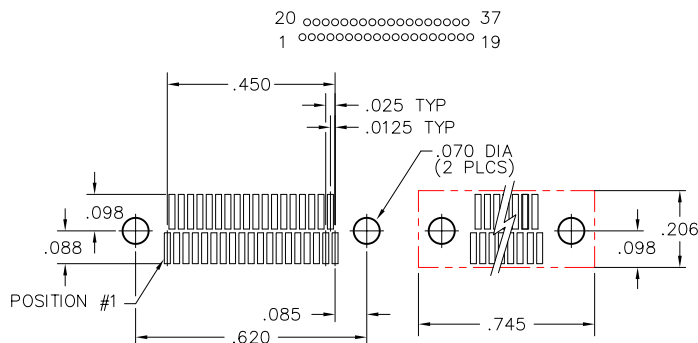
25 POSITION



31 POSITION



37 POSITION

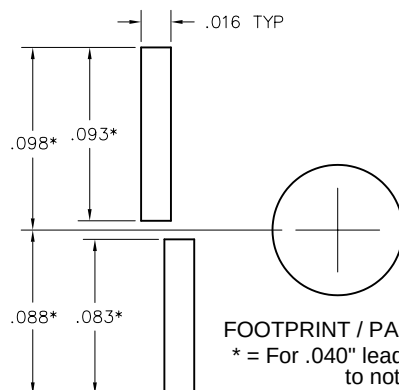
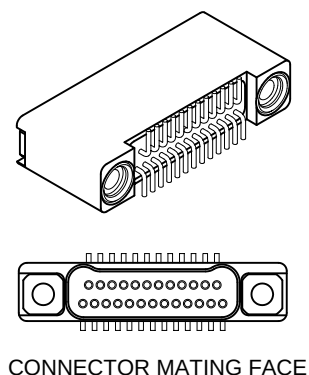




Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

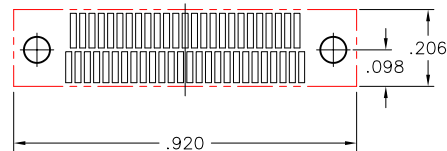
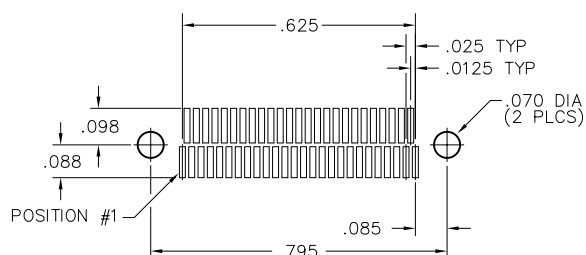
No solder mask allowed
within connector outline



FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020"
to noted dimensions

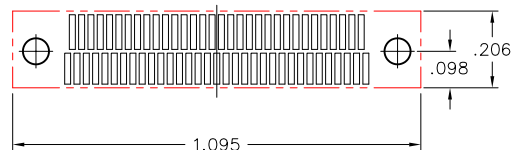
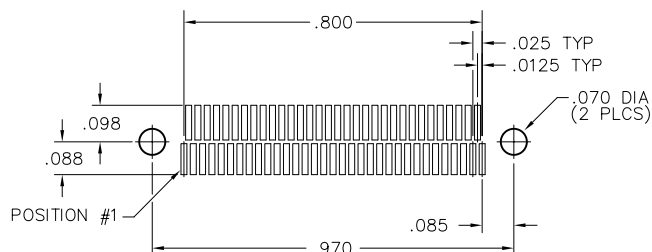
51 POSITION

27 1 51 26



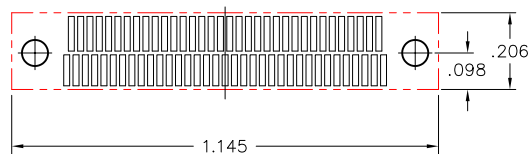
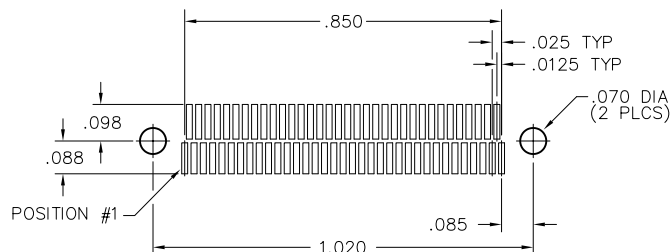
65 POSITION

34 1 65 33



69 POSITION

36 1 69 35

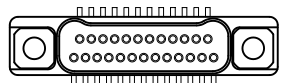
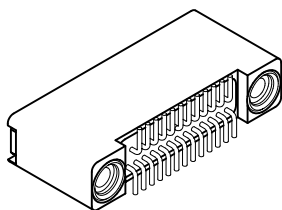




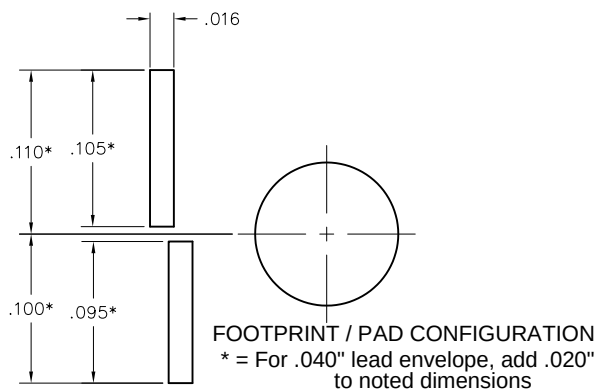
Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

CONNECTOR MATING FACE

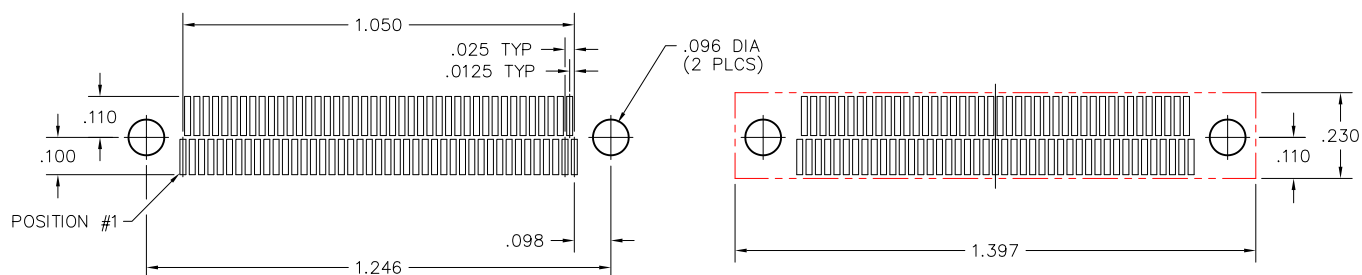


CONNECTOR MATING FACE



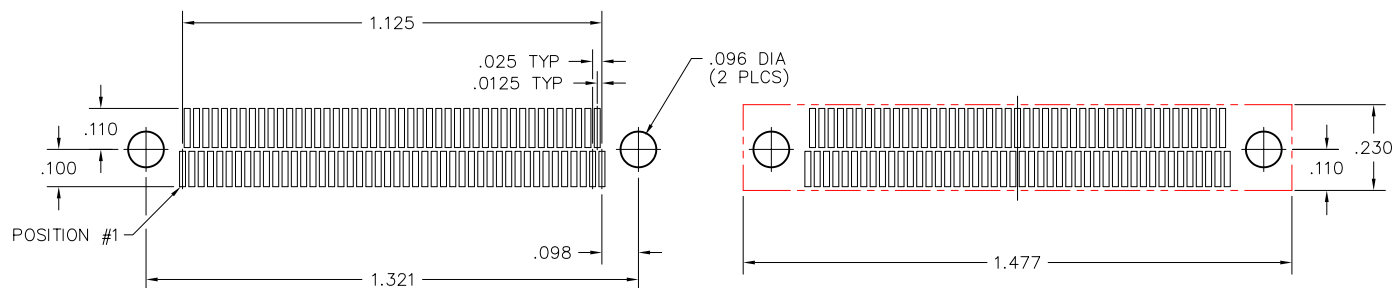
85 POSITION

44 1 85 43



91 POSITION

47 1 91 46



PLUG: NM-212-025-161-THAC
RECEPTACLE: NK-2L2-025-225-JC00
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG	RECEPTACLE
SERIES	

NM .025" Metal I/O Connector	NK .025" Metal PC Board Mounted Connector
------------------------------	---

BODY	
-------------	--

2 2-Row	2 2-Row
BODY STYLE: 1 Plug, straight	BODY STYLE: L Receptacle, vertical SMT w/ mounting ears

2 Liquid Crystal Polymer w/ electroless nickel shell	2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE	
-------------	--

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
---	---

CONTACTS	
-----------------	--

TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire	TYPE CONTACTS/TERMINATIONS: 22 Socket, SMT (.020 lead envelope)
PLATING OPTIONS: 1 50 u" Au contacts	PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations

HARDWARE	
-----------------	--

STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF*	STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*
WIRING OPTIONS: XX See wiring codes, Page NA-2	WIRING OPTIONS: 00 None

OPTIONS	
----------------	--

	010 .040 lead envelope
--	------------------------

* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

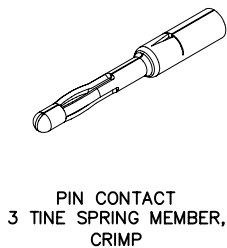
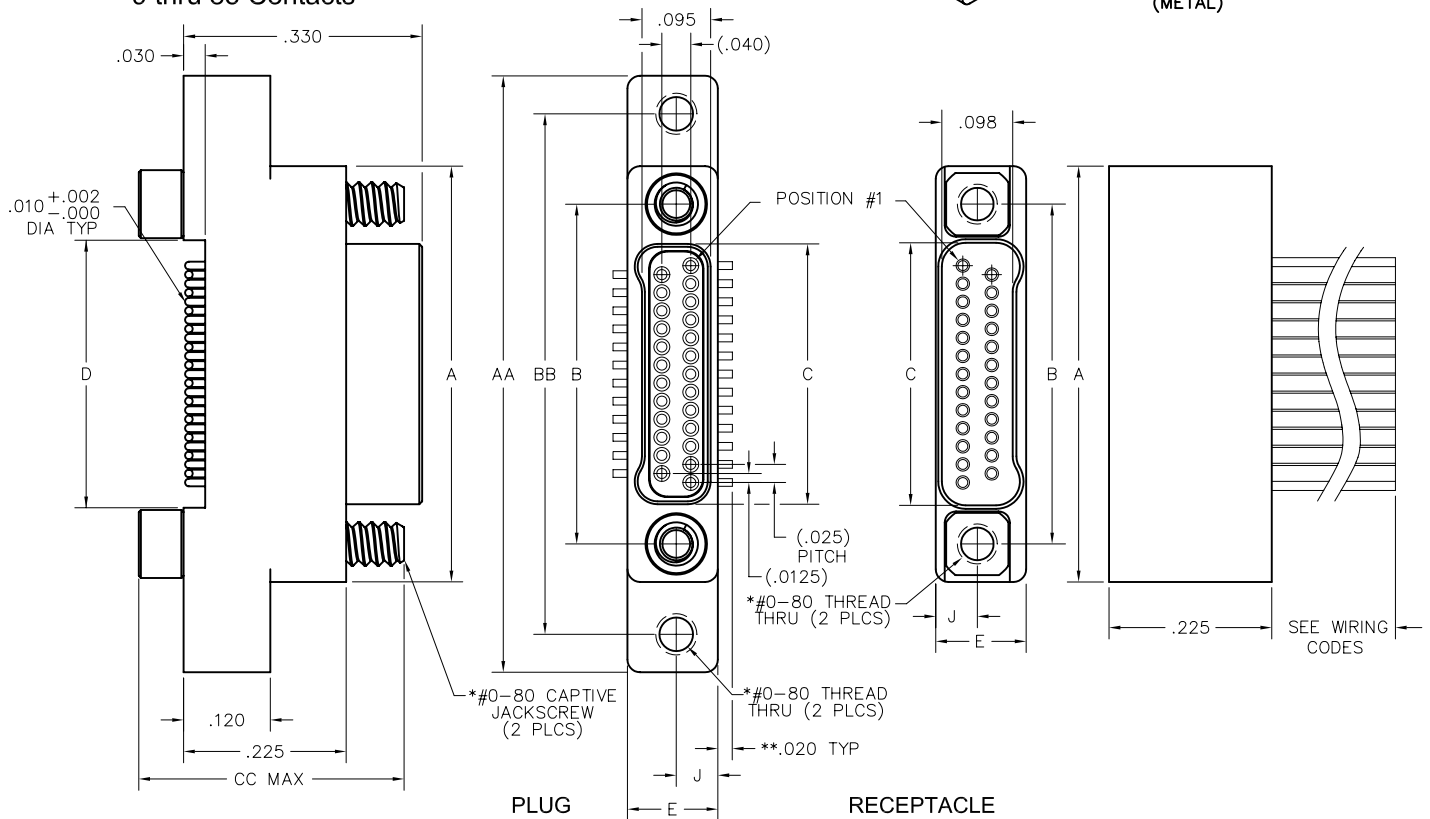
☒ = Option not RoHS compliant

2 · ROW Cable to Vertical SMT w/ Mounting Ears

.025"

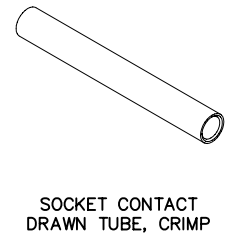
NM, NK

9 thru 85 Contacts



DIMENSIONS											
SIZE	A	B	C		D	E	J	AA	BB	CC	HARDWARE*
			PLUG	RCPT							
9	.375	.270	.160	.163	.170	.125	.0575	.625	.520	.385	#0-80 THREAD
15	.450	.345	.235	.238	.245			.700	.595		
21	.525	.420	.310	.313	.320			.775	.670		
25	.575	.470	.360	.363	.370			.825	.720		
31	.650	.545	.435	.438	.445			.900	.795		
37	.725	.620	.510	.513	.520			.975	.870		
51	.900	.795	.685	.688	.695			1.150	1.045		
65	1.075	.970	.860	.863	.870			1.325	1.220		
69	1.125	1.020	.910	.913	.920			1.375	1.270		
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	1.679	1.546	.405	#2-56 THREAD

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS
 ** = DIMENSION CHANGES TO .040" FOR "010" OPTION.
 SEE PAGE N-56.



PLUG: NK-2K2-025-125-JC00
RECEPTACLE: NM-222-025-261-THAC
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

2	2-Row	2	2-Row
BODY STYLE: K Plug, vertical SMT w/ mounting ears		BODY STYLE: 2 Receptacle, straight	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell	
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085) | XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS: 12 Pin, SMT (.020 lead envelope)		TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire	
PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations		PLATING OPTIONS: 1 50 u" Au contacts	

HARDWARE

STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF*	
WIRING OPTIONS: 00 None		WIRING OPTIONS: XX See wiring codes, Page NA-2	

OPTIONS

010 .040 lead envelope

* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

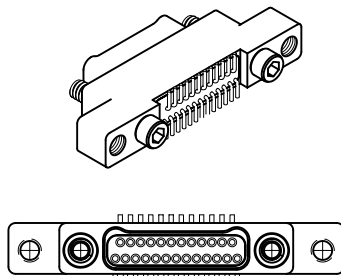
☒ = Option not RoHS compliant



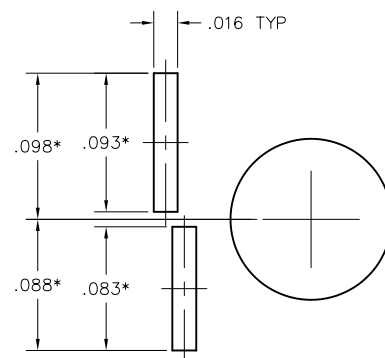
Recommended PC Board Layout

Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

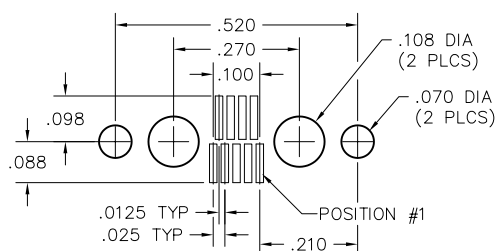
No solder mask allowed
within connector outline



CONNECTOR MATING FACE

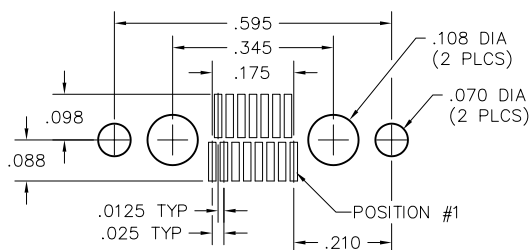
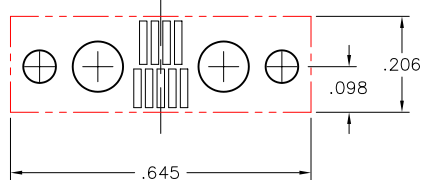


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions



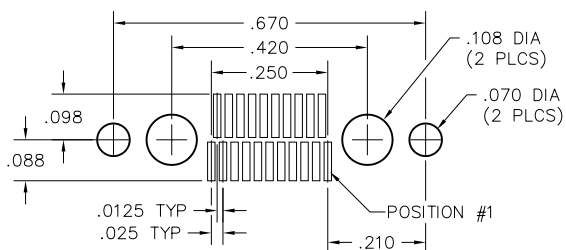
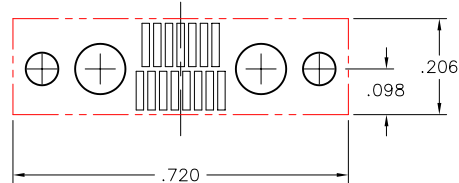
9 POSITION

9 0 0 0 0 6
5 0 0 0 0 1



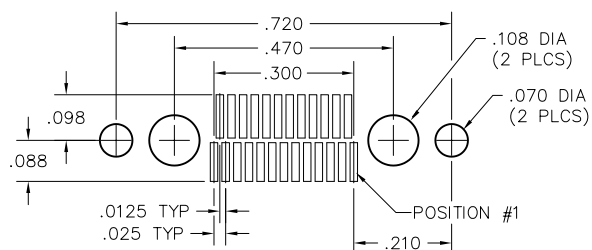
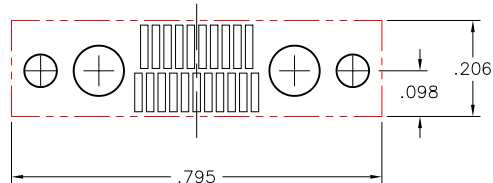
15 POSITION

15 0 0 0 0 0 0 0 9
8 0 0 0 0 0 0 0 1



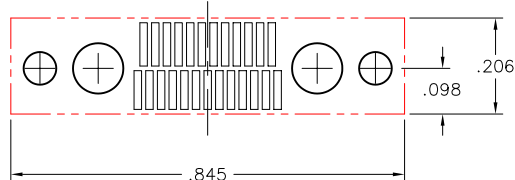
21 POSITION

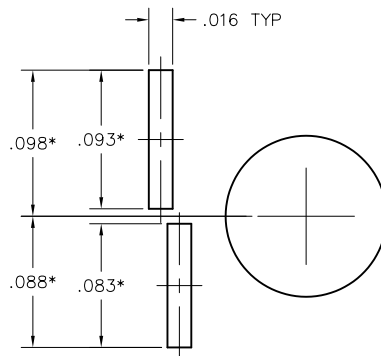
21 0 0 0 0 0 0 0 0 0 12
11 0 0 0 0 0 0 0 0 0 1



25 POSITION

25 0 0 0 0 0 0 0 0 0 0 14
13 0 0 0 0 0 0 0 0 0 0 1

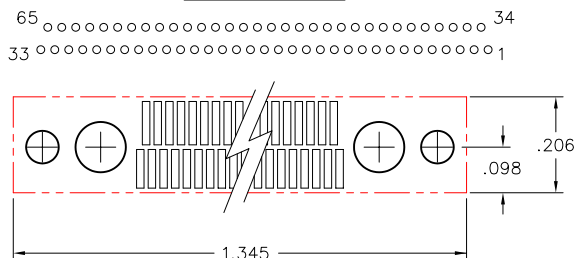
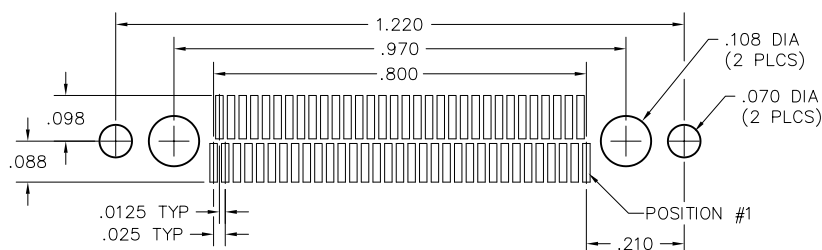
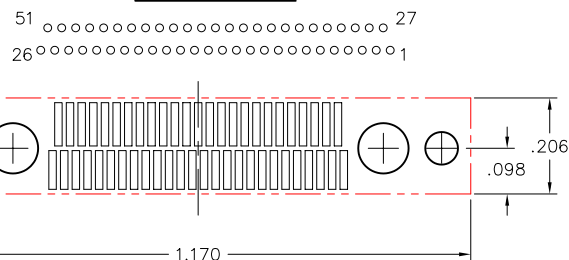
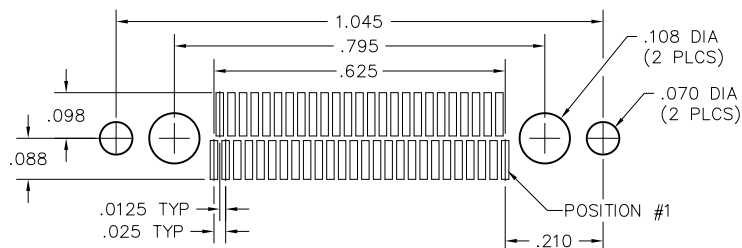
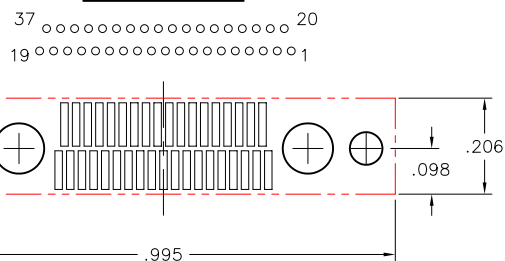
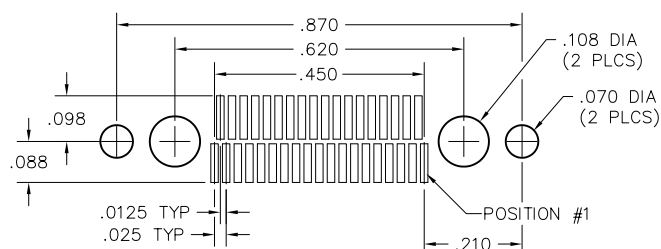
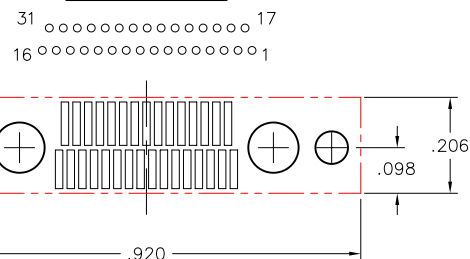
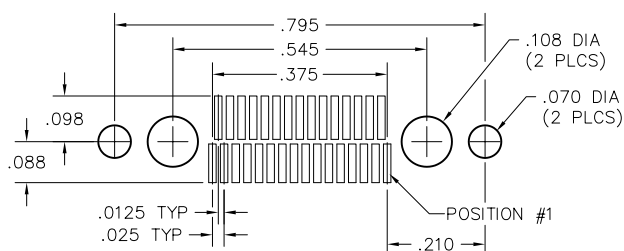




Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020"
to noted dimensions

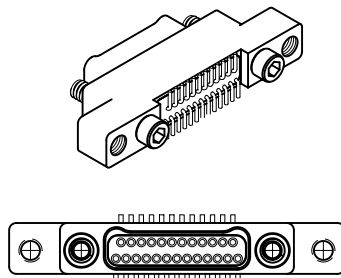




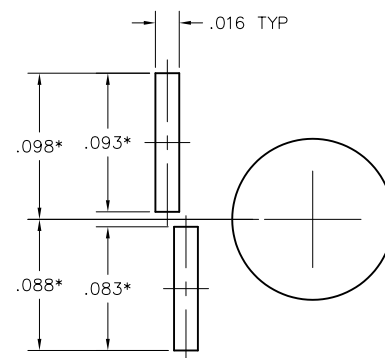
Recommended PC Board Layout

Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed
within connector outline

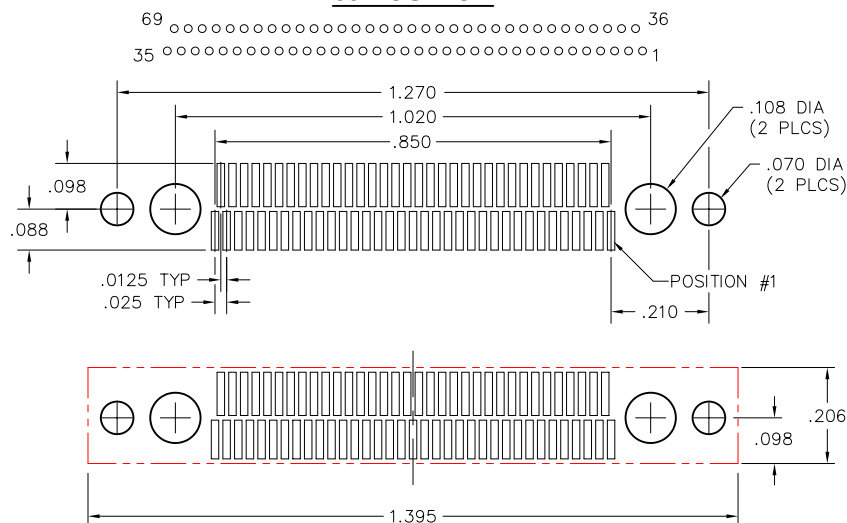


CONNECTOR MATING FACE

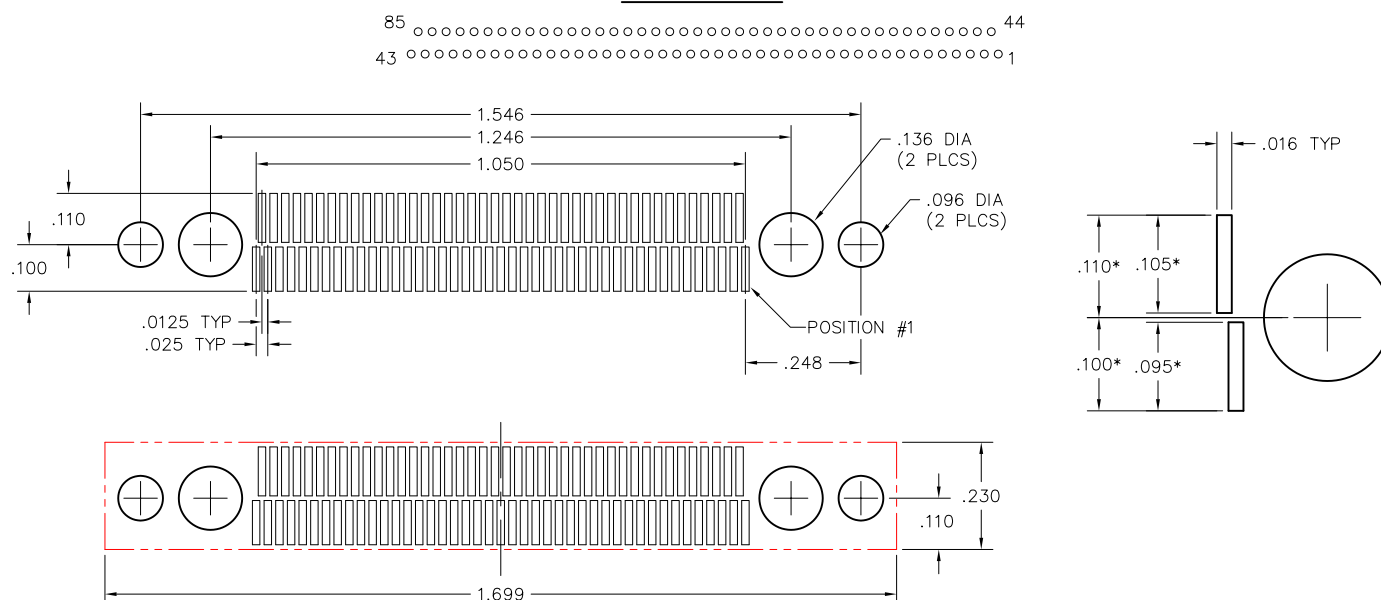


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020"
to noted dimensions

69 POSITION



85 POSITION

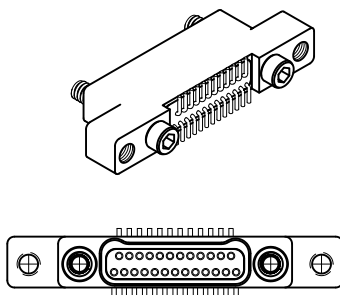




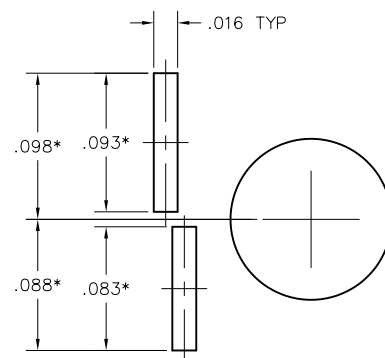
Recommended PC Board Layout

Vertical SMT Rcpt w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

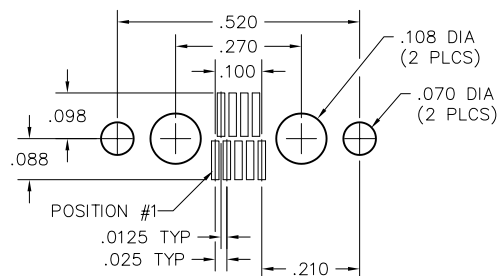
No solder mask allowed
within connector outline



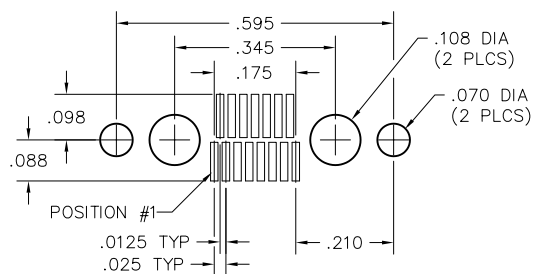
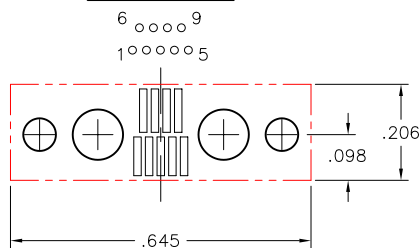
CONNECTOR MATING FACE



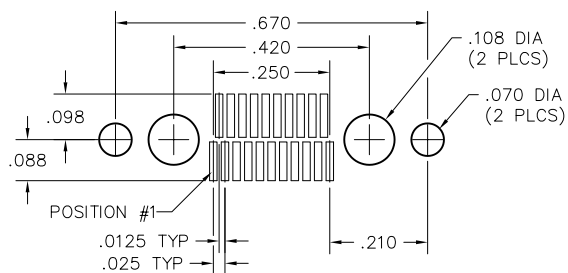
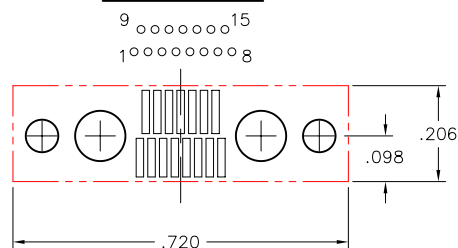
FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions



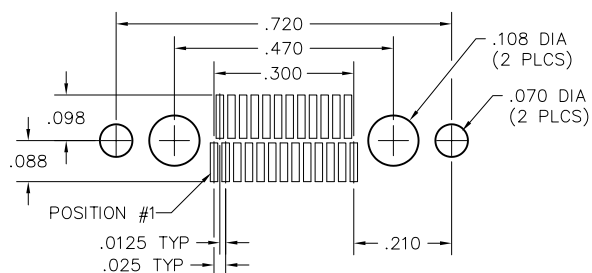
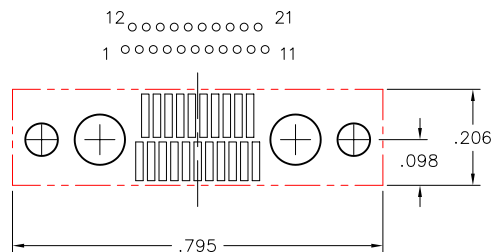
9 POSITION



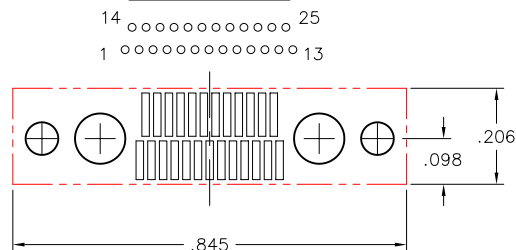
15 POSITION

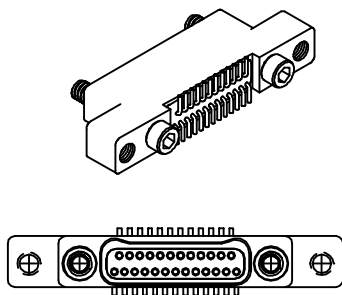


21 POSITION

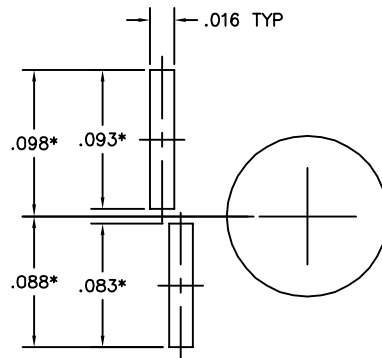


25 POSITION





CONNECTOR MATING FACE



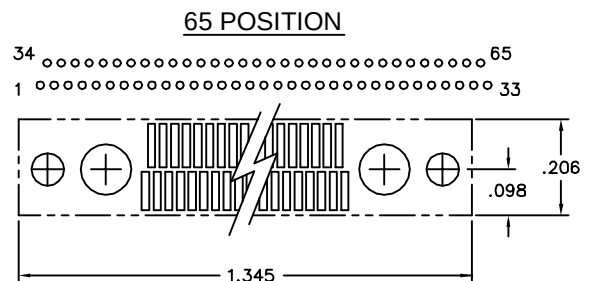
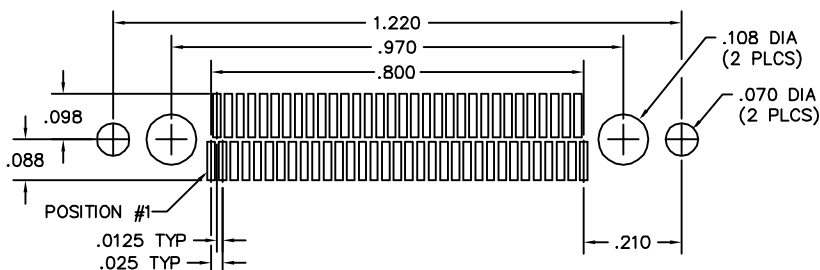
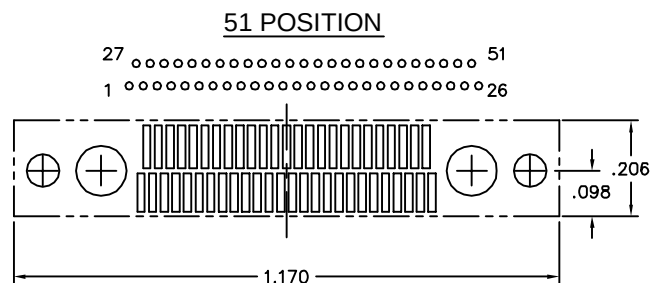
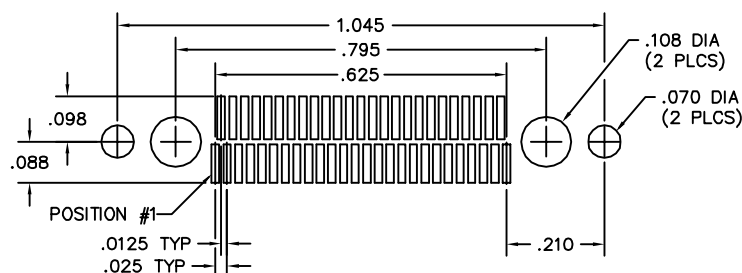
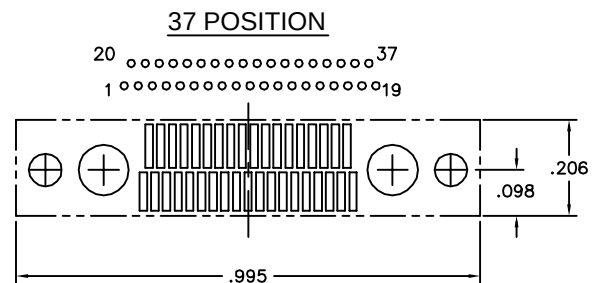
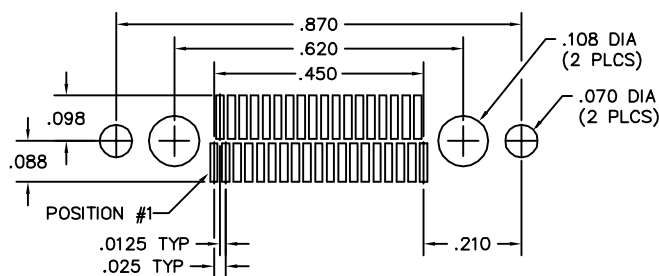
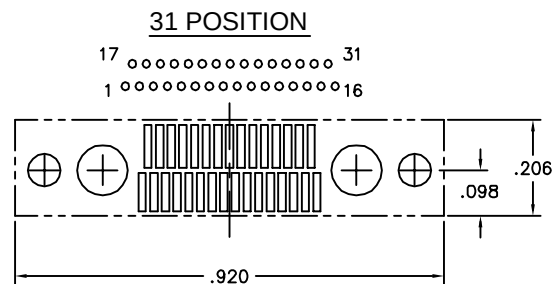
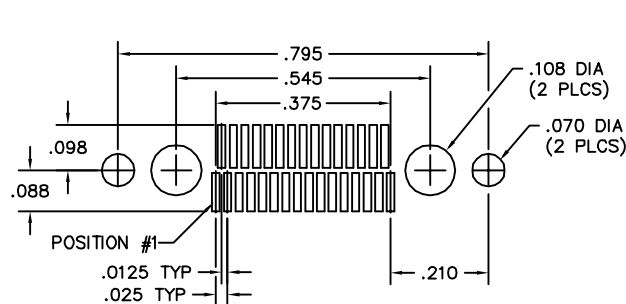
FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions



Recommended PC Board Layout

Vertical SMT Rcpt w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline



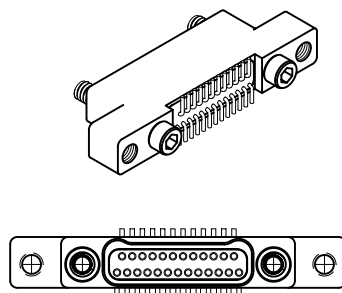
Ask About AirBorn's Accelerated Delivery Service



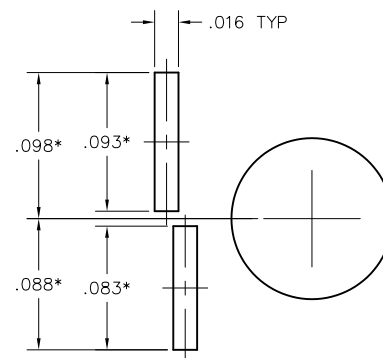
Recommended PC Board Layout

Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed
within connector outline



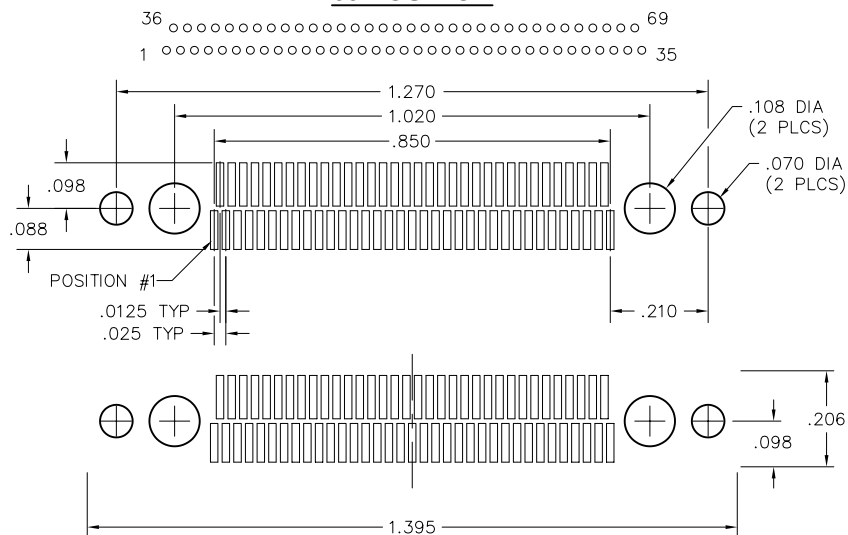
CONNECTOR MATING FACE



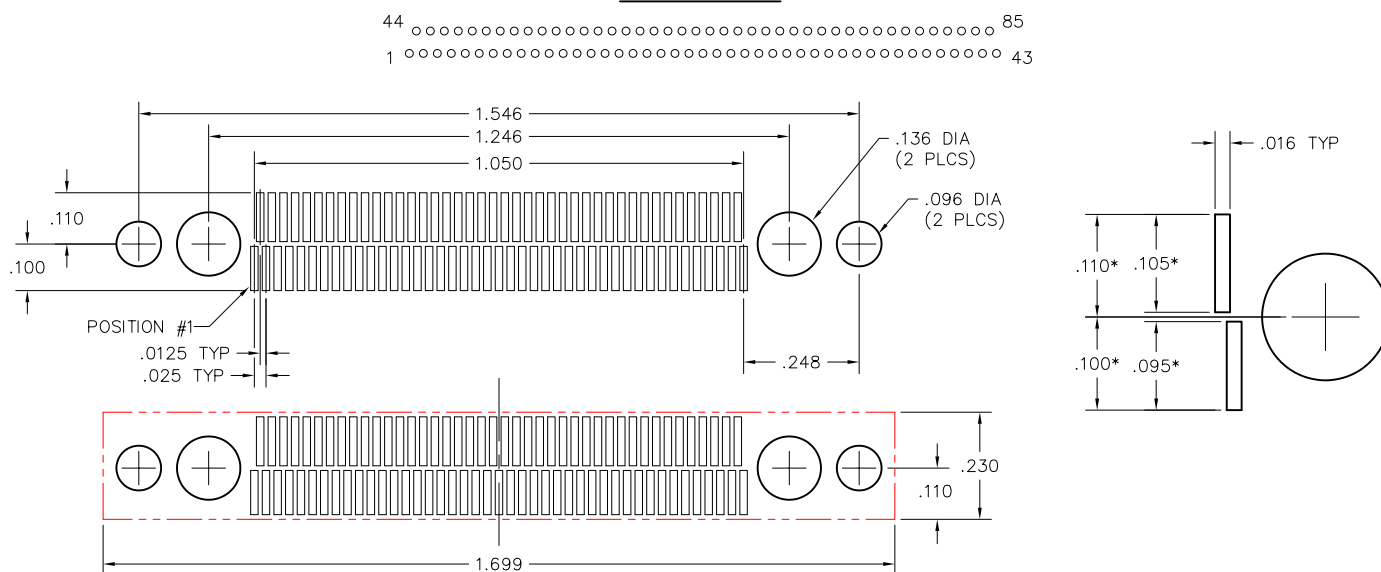
FOOTPRINT / PAD CONFIGURATION

* = For .040" lead envelope, add .020" to noted dimensions

69 POSITION



85 POSITION



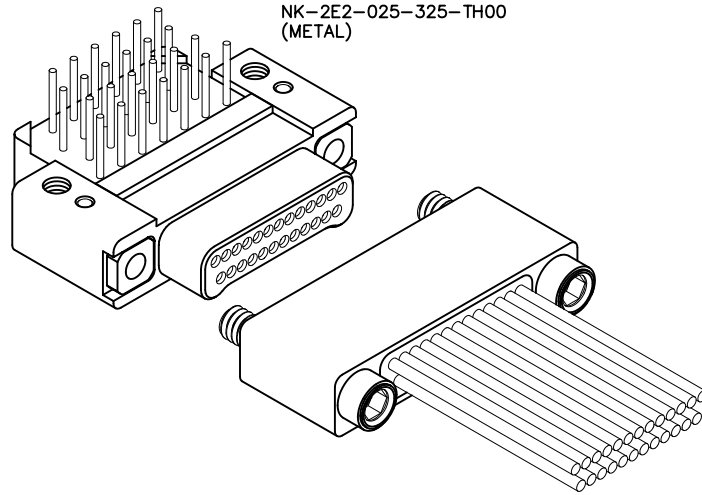


2 · ROW Cable to Board Right Angle PTH

.025"

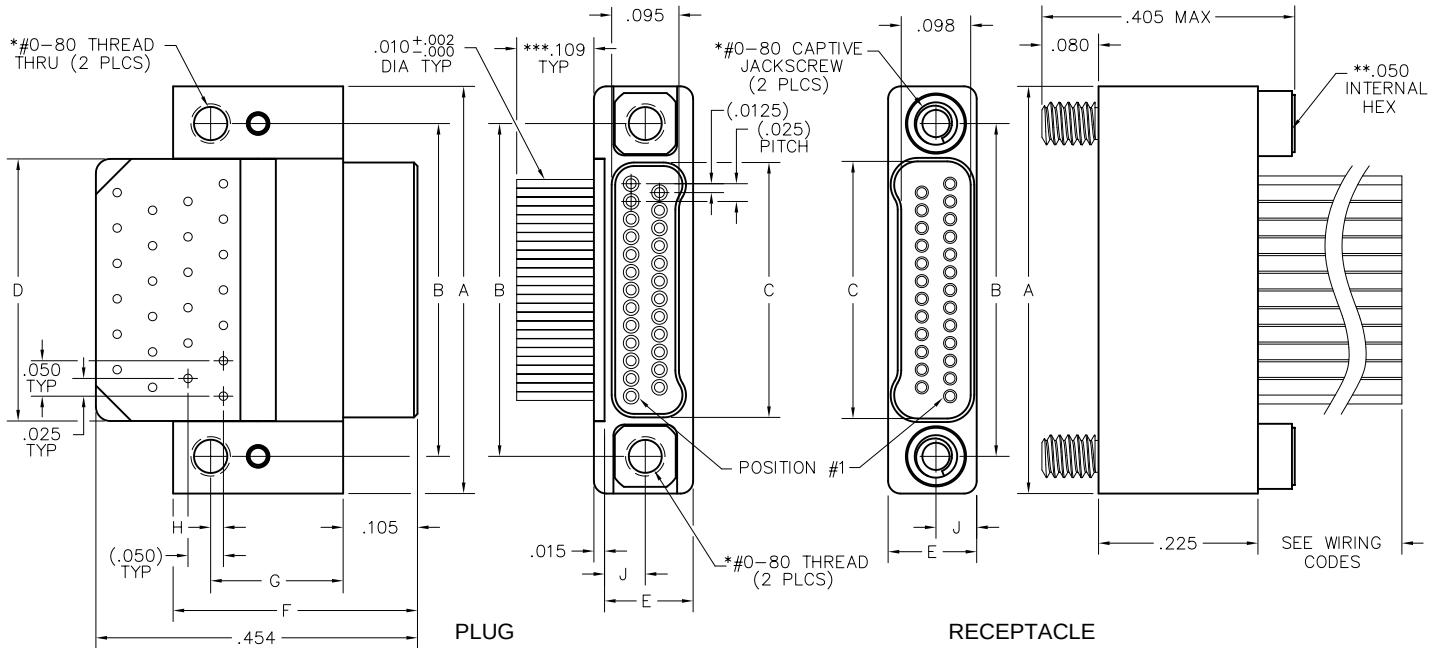
NM, NK

9 thru 91 Contacts

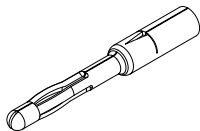


NK-2E2-025-325-TH00
(METAL)

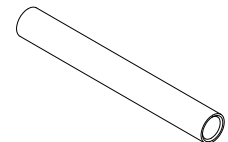
NM-222-025-261-JCAC
(METAL)



SIZE	A	B	C		D	E	F	G	H	J	*HARDWARE
			PLUG	RCPT							
9	.375	.270	.160	.163	.170	.125	.345	.187	.018	.0575	#0-80 THREAD
15	.450	.345	.235	.238	.245						
21	.525	.420	.310	.313	.320						
25	.575	.470	.360	.363	.370						
31	.650	.545	.435	.438	.445						
37	.725	.620	.510	.513	.520						
51	.900	.795	.685	.688	.695						
65	1.075	.970	.860	.863	.870						
69	1.125	1.020	.910	.913	.920	.150	.410	.244	.075	.0700	#2-56 THREAD
85	1.377	1.246	1.110	1.113	1.120						
91	1.452	1.321	1.185	1.188	1.195						



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

- * = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 AND 91 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK-2E2-025-325-TH00
RECEPTACLE: NM-222-025-261-JCAC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal I/O Connector

BODY

2 2-Row BODY STYLE: E Plug, right angle, plated thru hole (PTH) BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	2 2-Row BODY STYLE: 2 Receptacle, straight 6 Receptacle, straight, with factory installed backshell (See page NA-3) BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
---	--

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091) | XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085, or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS: 32 Pin, right angle, .109" 33 Pin, right angle, .140" 34 Pin, right angle, .172" PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire PLATING OPTIONS: 1 50 u" Au contacts
--	---

HARDWARE

STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF* WIRING OPTIONS: 00 None	STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF* WIRING OPTIONS: XX See wiring codes, Page NA-2
---	--

* = #2-56 UNC thread on 85 and 91 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

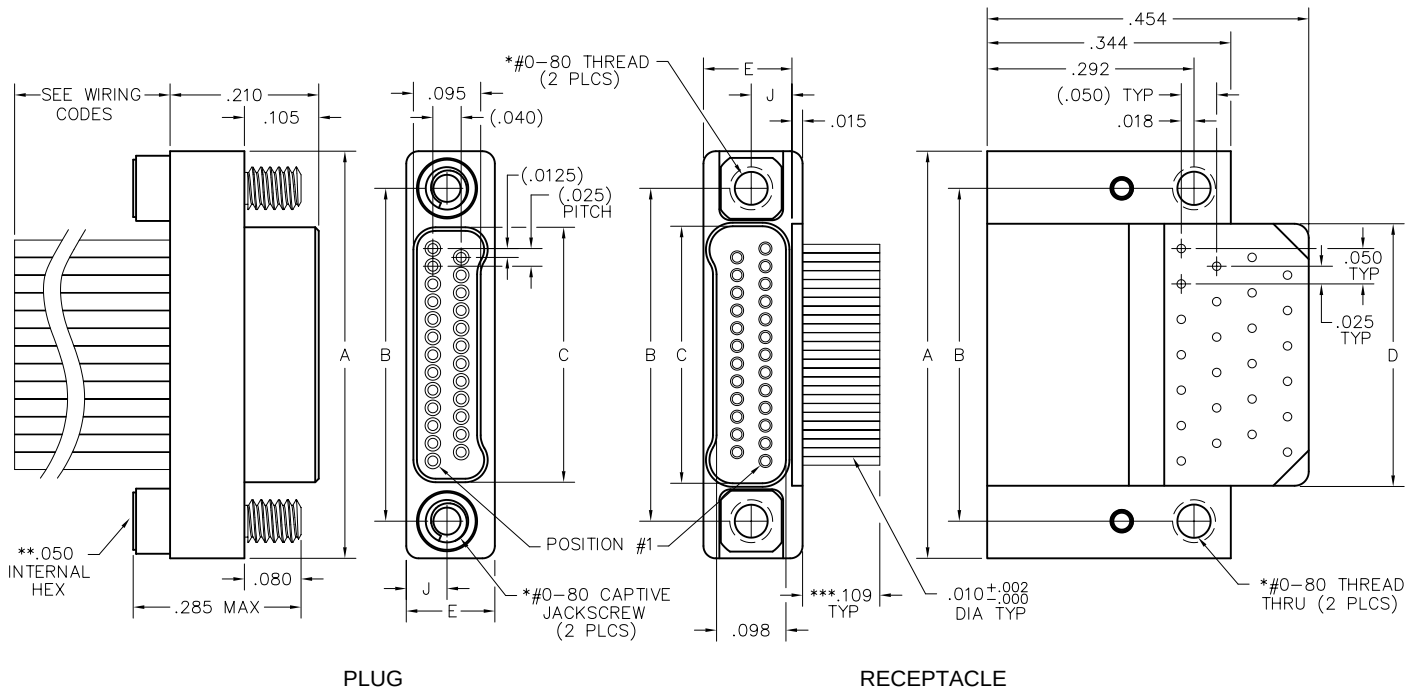
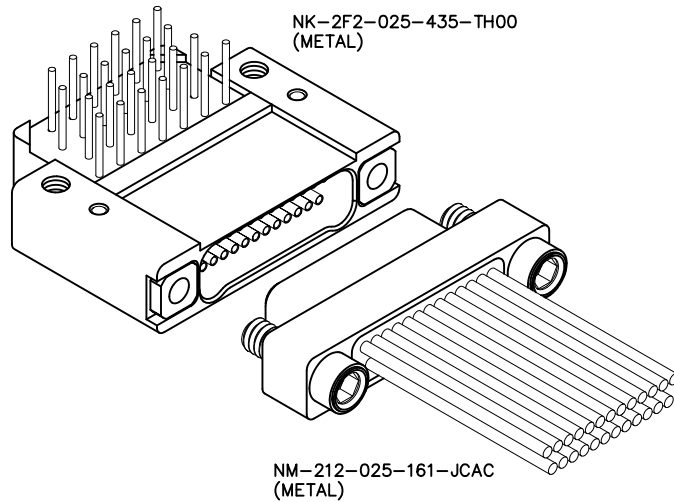


2 · ROW Cable to Board Right Angle PTH

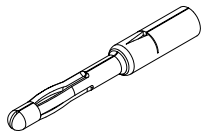
.025"

NM, NK

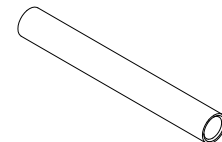
9 thru 91 Contacts



SIZE	A	B	C		D	E	J	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.170			
15	.450	.345	.235	.238	.245			
21	.525	.420	.310	.313	.320			
25	.575	.470	.360	.363	.370			
31	.650	.545	.435	.438	.445	.125	.0575	#0-80 THREAD
37	.725	.620	.510	.513	.520			
51	.900	.795	.685	.688	.695			
65	1.075	.970	.860	.863	.870			
69	1.125	1.020	.910	.913	.920			
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	#2-56 THREAD
91	1.452	1.321	1.185	1.188	1.195			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

- * = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
- ** = 1/16" HEX ON 85 AND 91 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
- *** = OTHER LENGTHS AS REQUIRED

PLUG: NM-212-025-161-JCAC
RECEPTACLE: NK-2F2-025-435-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal I/O Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
2 2-Row		2 2-Row	
BODY STYLE: 1 Plug, straight 5 Plug, straight, with factory installed backshell (See page NA-3)		BODY STYLE: F Receptacle, right angle, plated thru hole (PTH)	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)		XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire		TYPE CONTACTS/TERMINATIONS: 43 Socket, right angle, .109" 44 Socket, right angle, .140" 45 Socket, right angle, .172"	
PLATING OPTIONS: 1 50 u" Au contacts		PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF*	
WIRING OPTIONS: XX See wiring codes, Page NA-2		WIRING OPTIONS: 00 None	

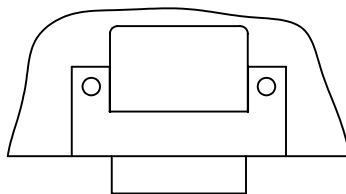
* = #2-56 UNC thread on 85 and 91 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

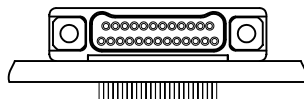
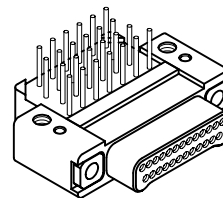


Recommended PC Board Layout

Right Angle PTH Plug
FOR REFERENCE ONLY

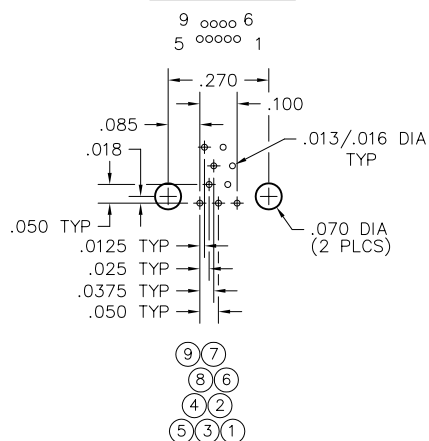


PC BOARD LAYOUT
COMPONENT SIDE

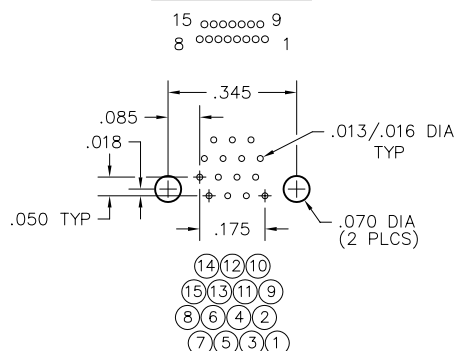


CONNECTOR MATING FACE

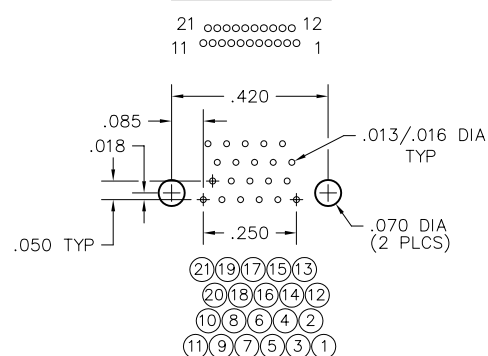
9 POSITION



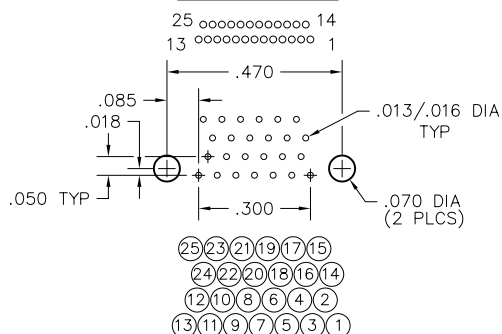
15 POSITION



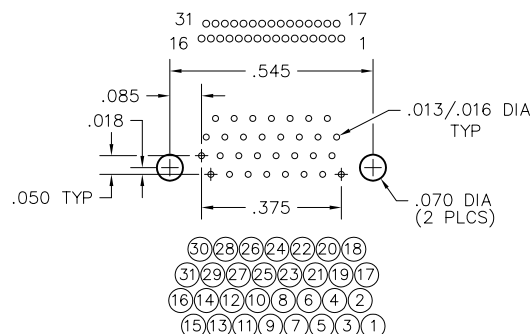
21 POSITION



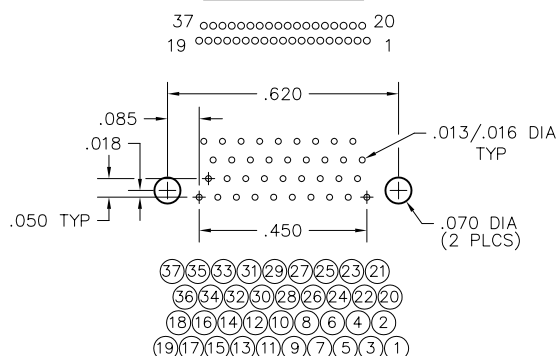
25 POSITION



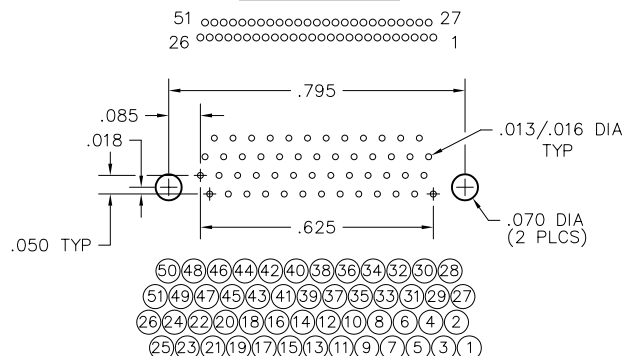
31 POSITION



37 POSITION

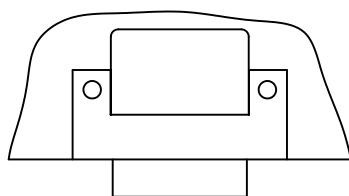


51 POSITION

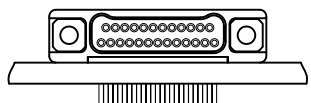
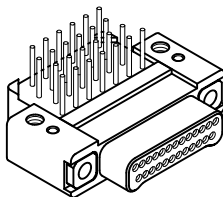


Recommended PC Board Layout

Right Angle PTH Plug
FOR REFERENCE ONLY

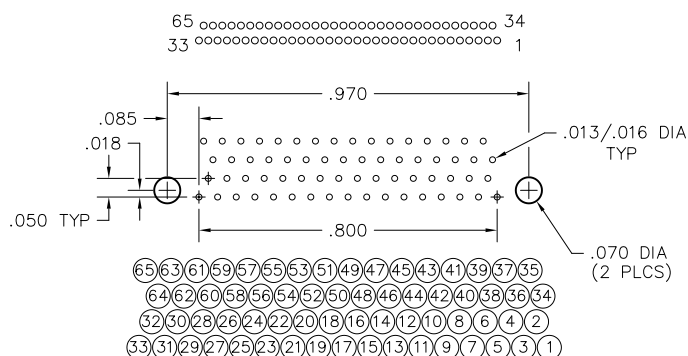


PC BOARD LAYOUT
COMPONENT SIDE

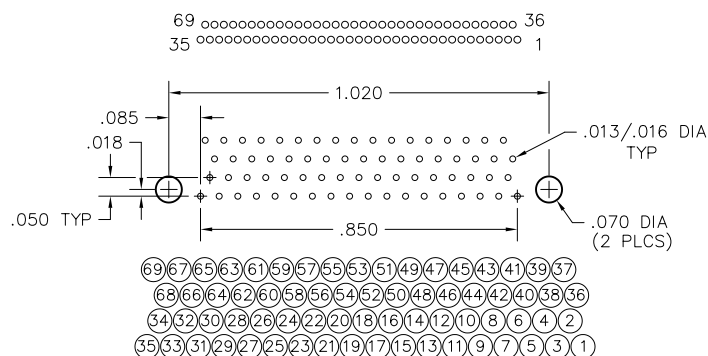


CONNECTOR MATING FACE

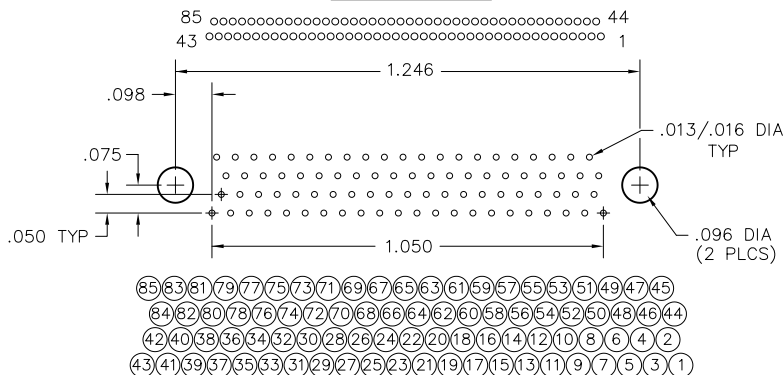
65 POSITION



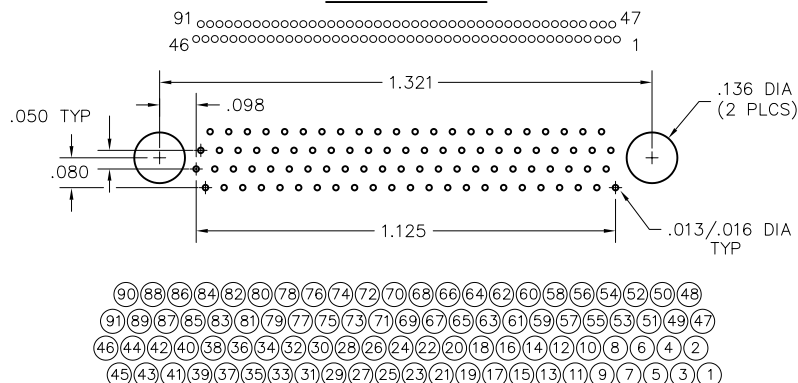
69 POSITION



85 POSITION



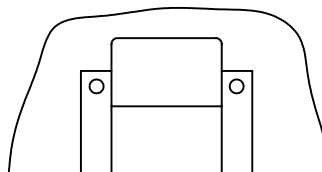
91 POSITION



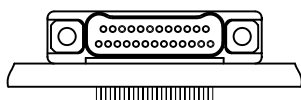
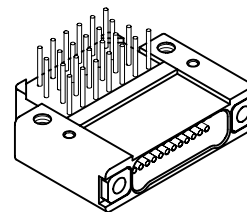


Recommended PC Board Layout

Right Angle PTH Receptacle
FOR REFERENCE ONLY

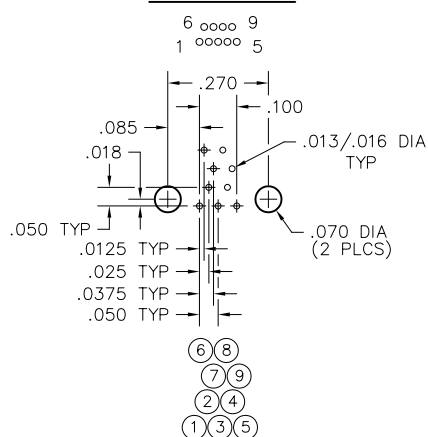


PC BOARD LAYOUT
COMPONENT SIDE

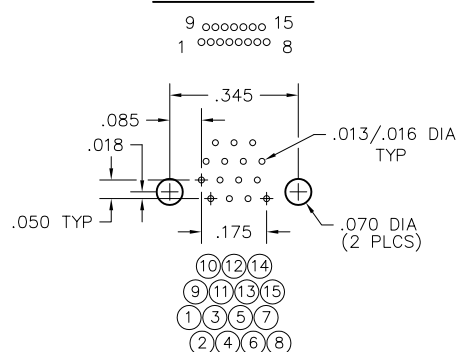


CONNECTOR MATING FACE

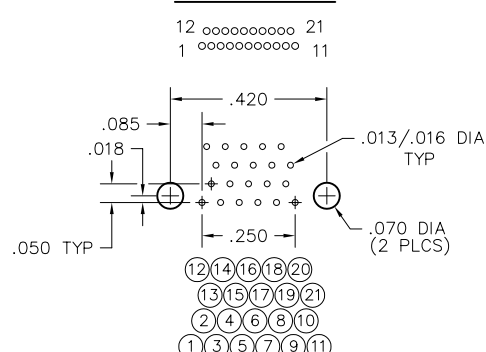
9 POSITION



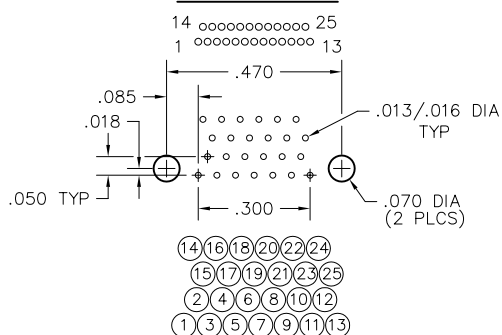
15 POSITION



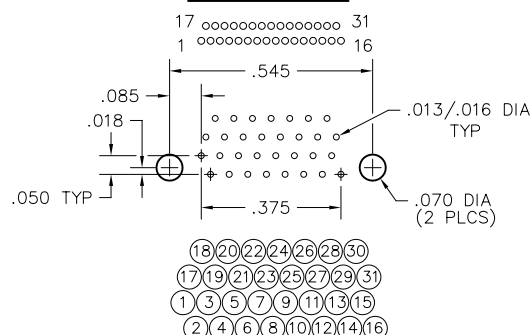
21 POSITION



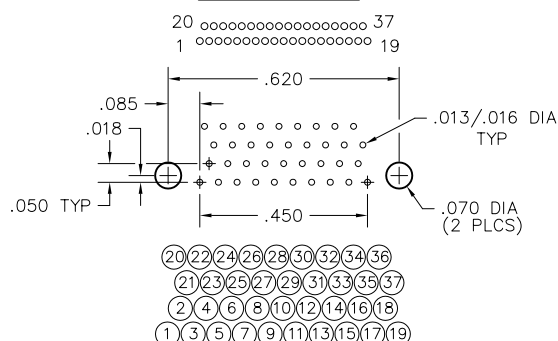
25 POSITION



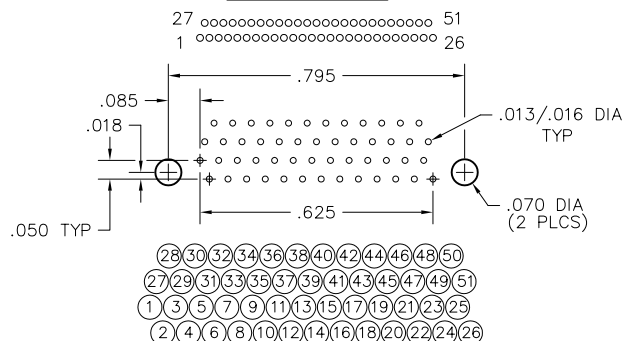
31 POSITION



37 POSITION

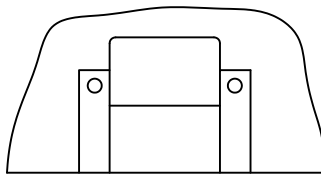


51 POSITION

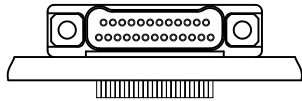
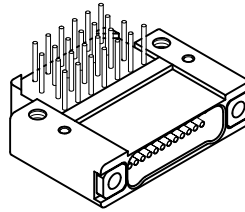


Recommended PC Board Layout

Right Angle PTH Receptacle
FOR REFERENCE ONLY

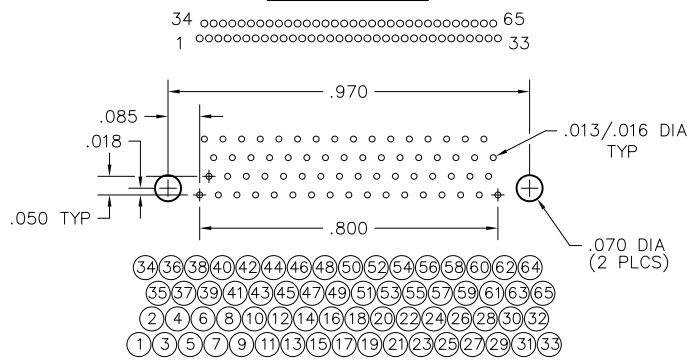


PC BOARD LAYOUT
COMPONENT SIDE

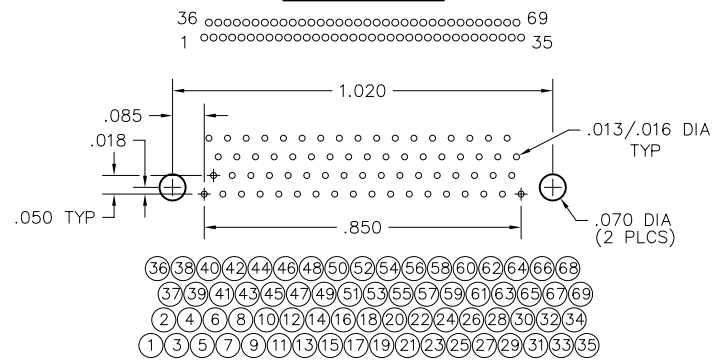


CONNECTOR MATING FACE

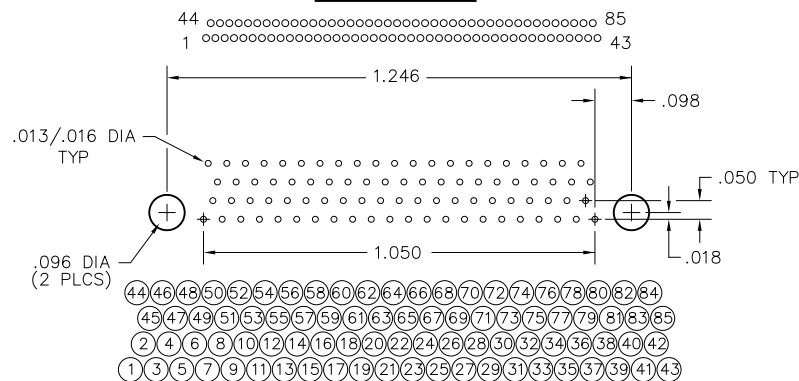
65 POSITION



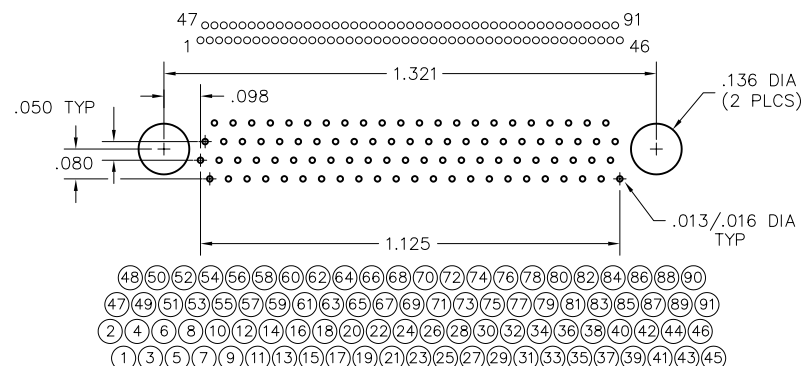
69 POSITION



85 POSITION



91 POSITION



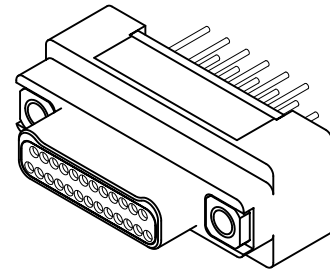
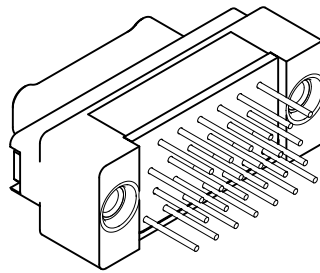
2 · ROW

Vertical PTH Plug with Fixed Hardware

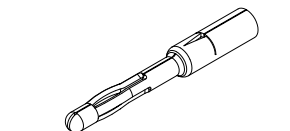
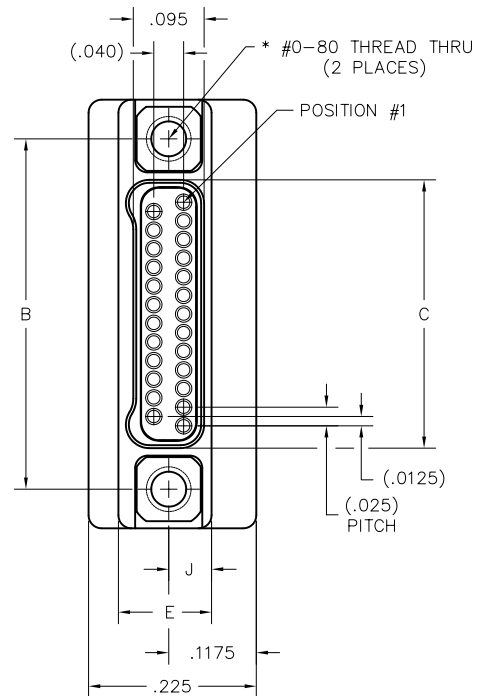
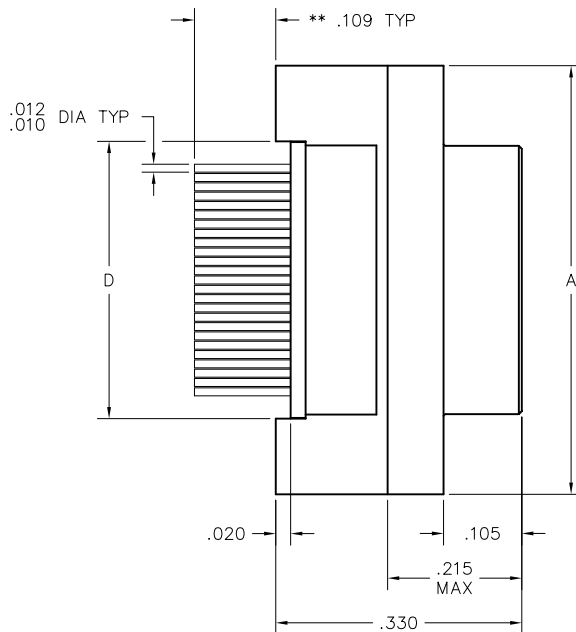
.025"

NK

9 thru 91 Contacts

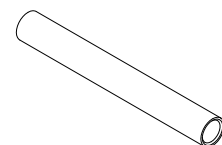


NK-2G2-025-135-TH00
PLUG



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.160	.170	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.245			
21	.525	.420	.310	.320			
25	.575	.470	.360	.370			
31	.650	.545	.435	.445			
37	.725	.620	.510	.520			
51	.900	.795	.685	.695			
65	1.075	.970	.860	.870			
69	1.125	1.020	.910	.920	.150	.070	#2-56 THREAD
85	1.377	1.246	1.110	1.120			
91	1.452	1.321	1.184	1.198			



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED

NK-2G2-025-135-TH00
XX-XXX-XXX-XXX-XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

G Plug, vertical mount, plated thru hole (PTH)

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 13 Pin, straight, .109"
14 Pin, straight, .140"
15 Pin, straight, .172"

PLATING OPTIONS:

- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

- 00 None
TH Threaded hole, #0-80 UNF *

WIRING OPTIONS:

- 00 None

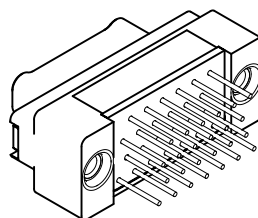
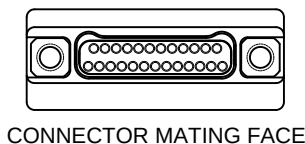
* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

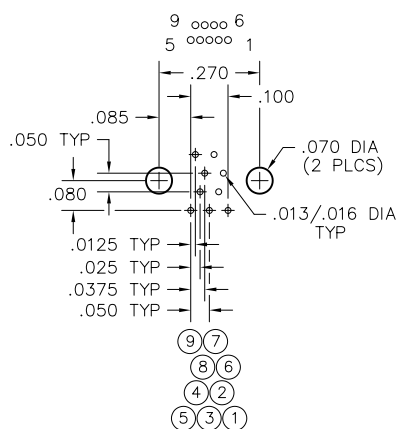


Recommended PC Board Layout

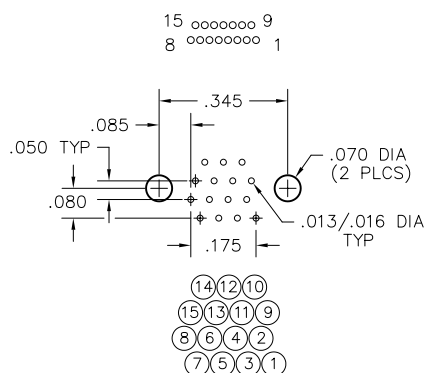
Vertical PTH Plug
FOR REFERENCE ONLY



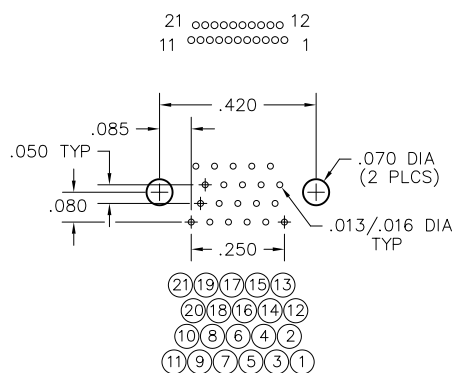
9 POSITION



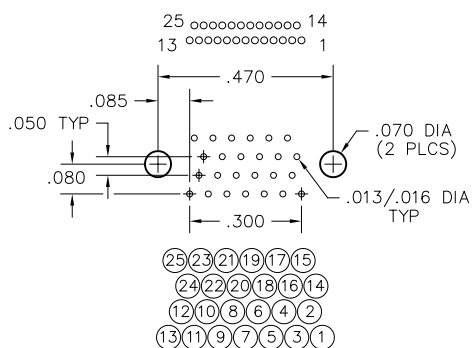
15 POSITION



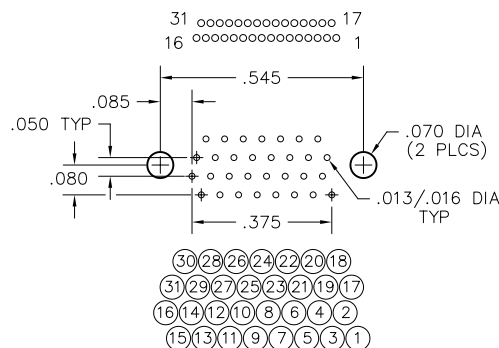
21 POSITION



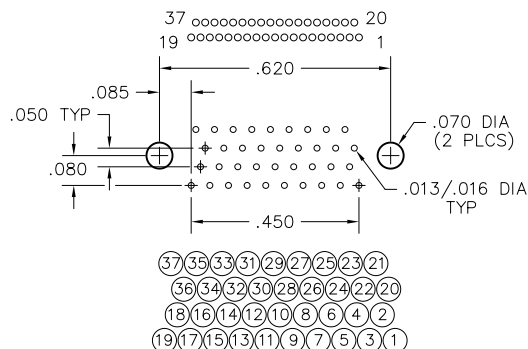
25 POSITION



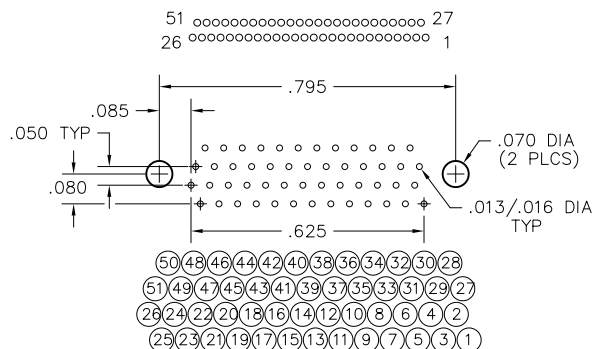
31 POSITION

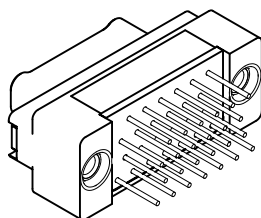
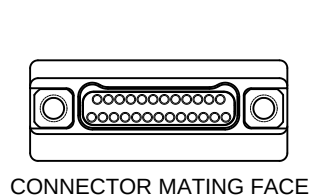


37 POSITION



51 POSITION

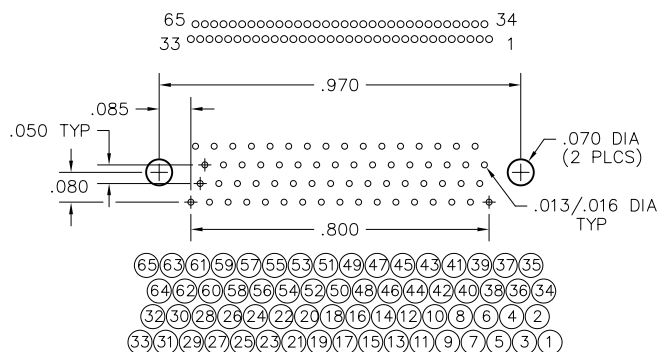




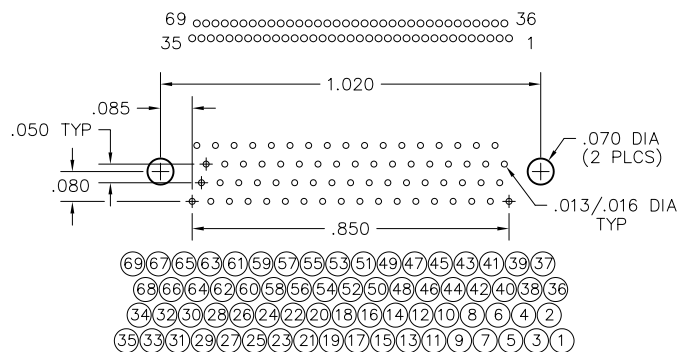
Recommended PC Board Layout

Vertical PTH Plug
FOR REFERENCE ONLY

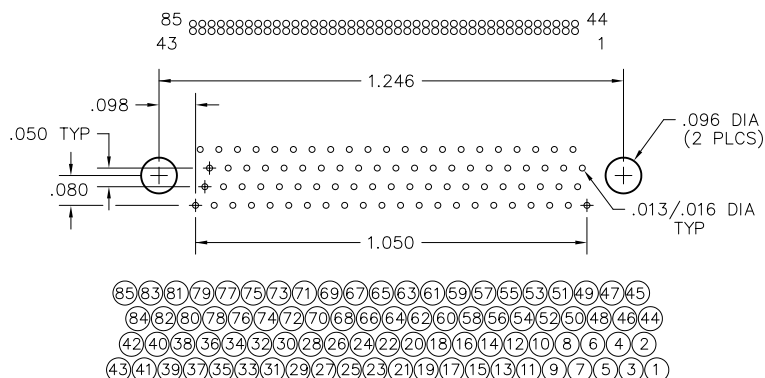
65 POSITION



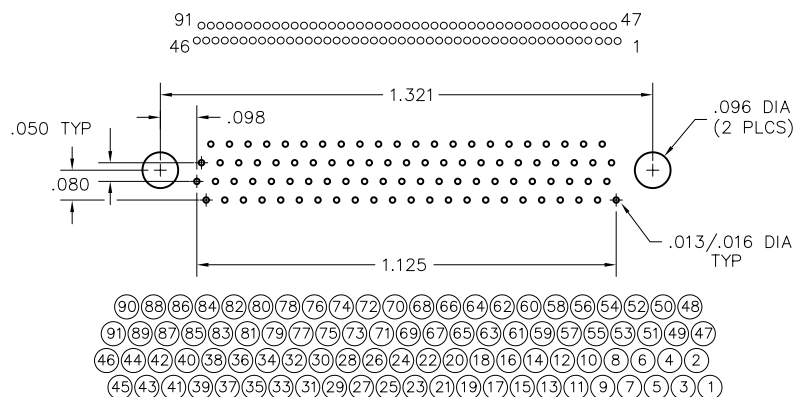
69 POSITION



85 POSITION



91 POSITION

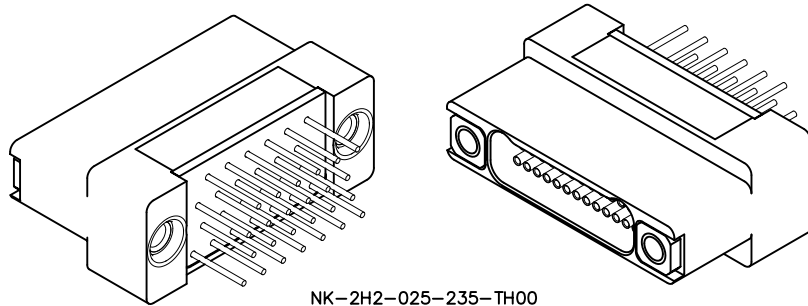


2 · ROW Vertical PTH Receptacle with Fixed Hardware

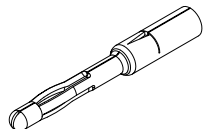
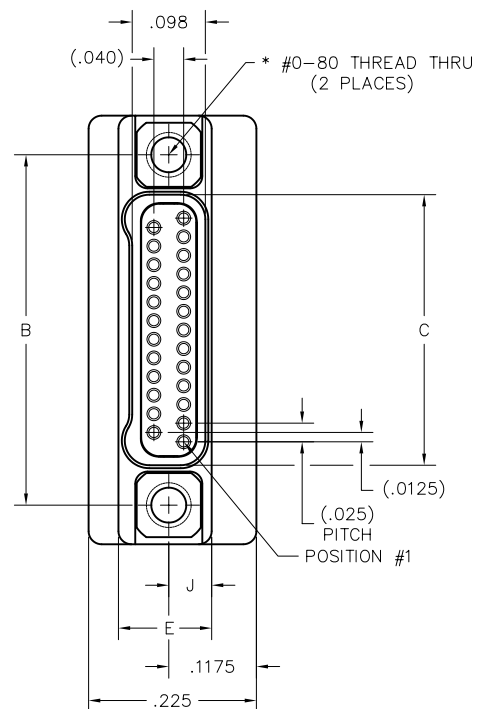
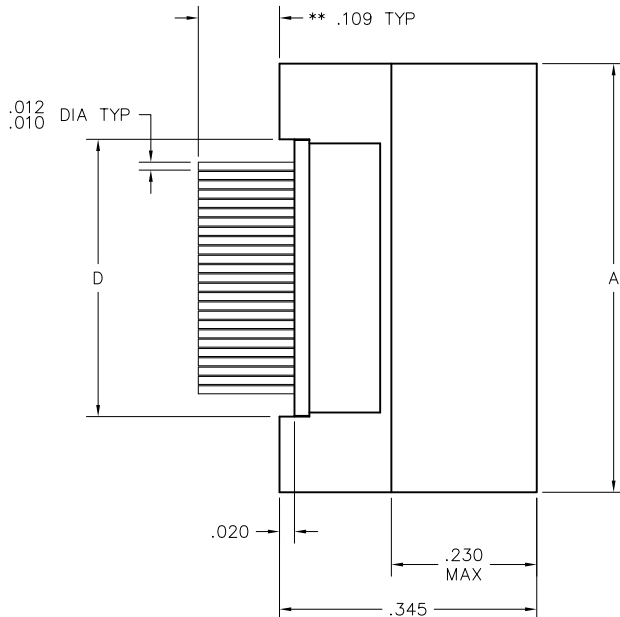
.025"

NK

9 thru 91 Contacts



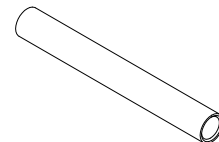
NK-2H2-025-235-TH00
(RCPT)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.163	.170	.125	.0575	#0-80 THREAD
15	.450	.345	.238	.245			
21	.525	.420	.313	.320			
25	.575	.470	.363	.370			
31	.650	.545	.438	.445			
37	.725	.620	.513	.520			
51	.900	.795	.688	.695			
65	1.075	.970	.863	.870			
69	1.125	1.020	.913	.920	.150	.070	#2-56 THREAD
85	1.377	1.246	1.113	1.120			
91	1.452	1.321	1.184	1.198			

* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED



SOCKET CONTACT
DRAWN TUBE, CRIMP

NK-2H2-025-235-TH00
XX-XXX-XXX-XXX-XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

H Receptacle, vertical mount, plated thru hole (PTH)

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 23 Socket, straight, .109"
24 Socket, straight, .140"
25 Socket, straight, .172"

PLATING OPTIONS:

- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

- 00 None
TH Threaded hole, #0-80 UNF *

WIRING OPTIONS:

- 00 None

* = #2-56 UNC thread on 85 and 91 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

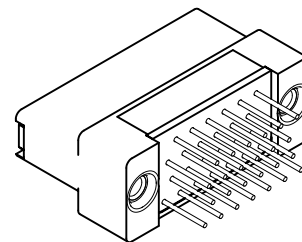
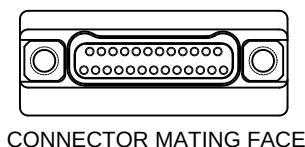
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

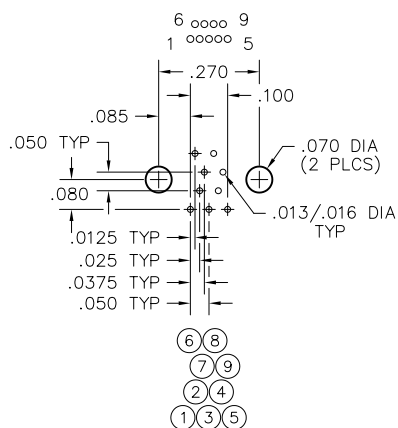


Recommended PC Board Layout

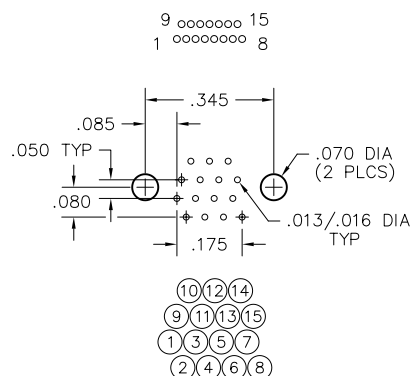
Vertical PTH Receptacle
FOR REFERENCE ONLY



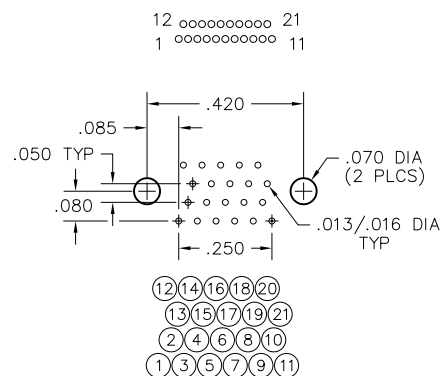
9 POSITION



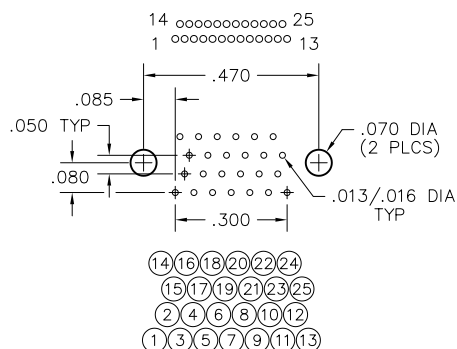
15 POSITION



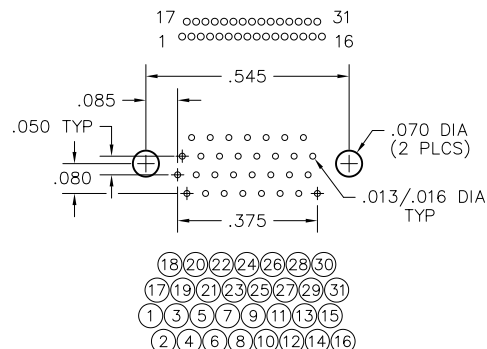
21 POSITION



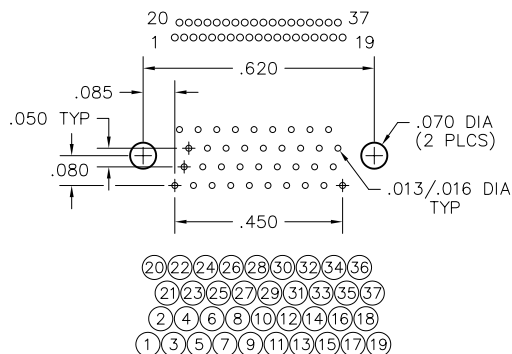
25 POSITION



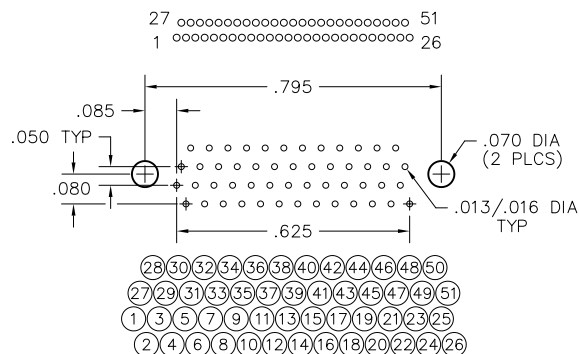
31 POSITION

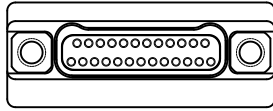


37 POSITION

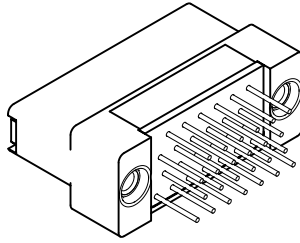


51 POSITION





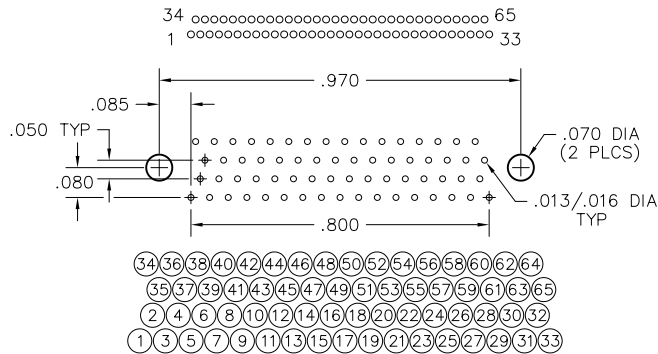
CONNECTOR MATING FACE



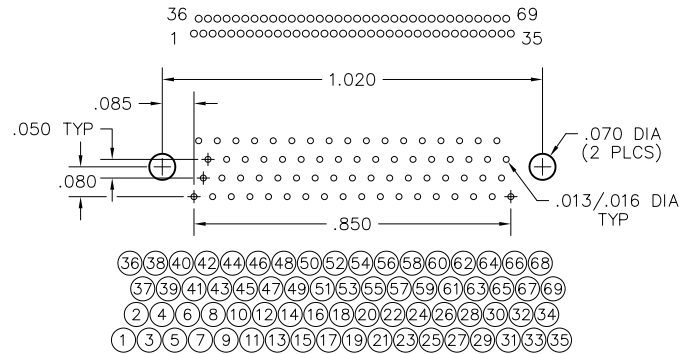
Recommended PC Board Layout

Vertical PTH Receptacle
FOR REFERENCE ONLY

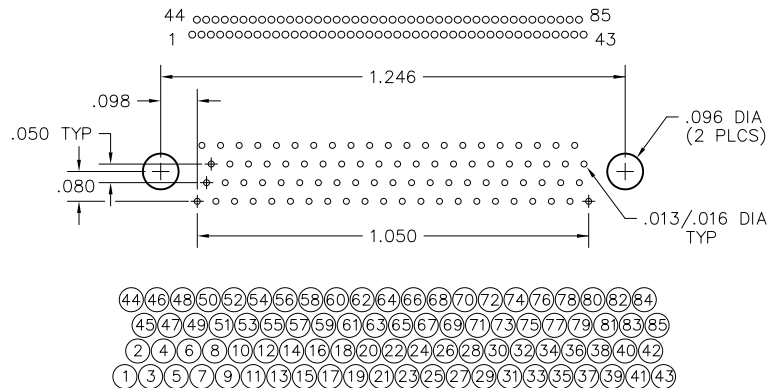
65 POSITION



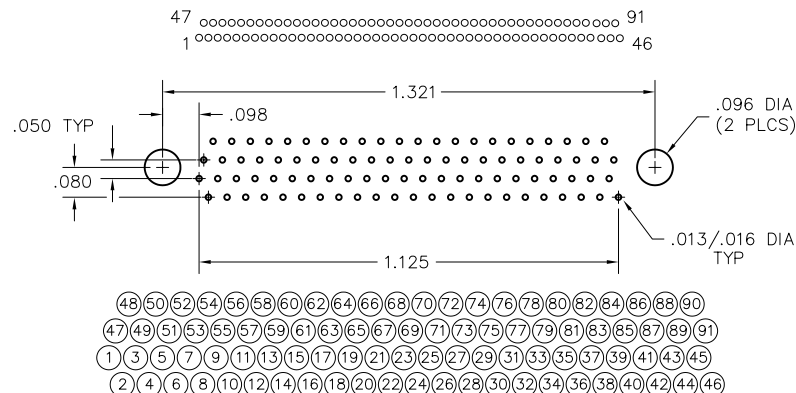
69 POSITION



85 POSITION



91 POSITION



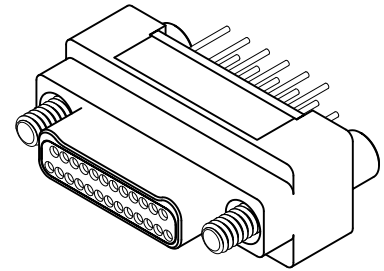
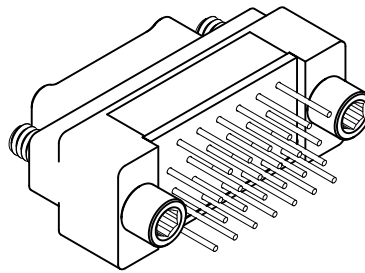


2 · ROW Vertical PTH Plug with Turning Hardware

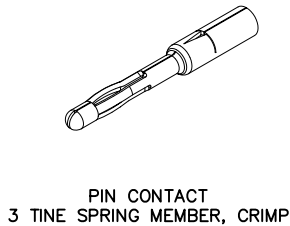
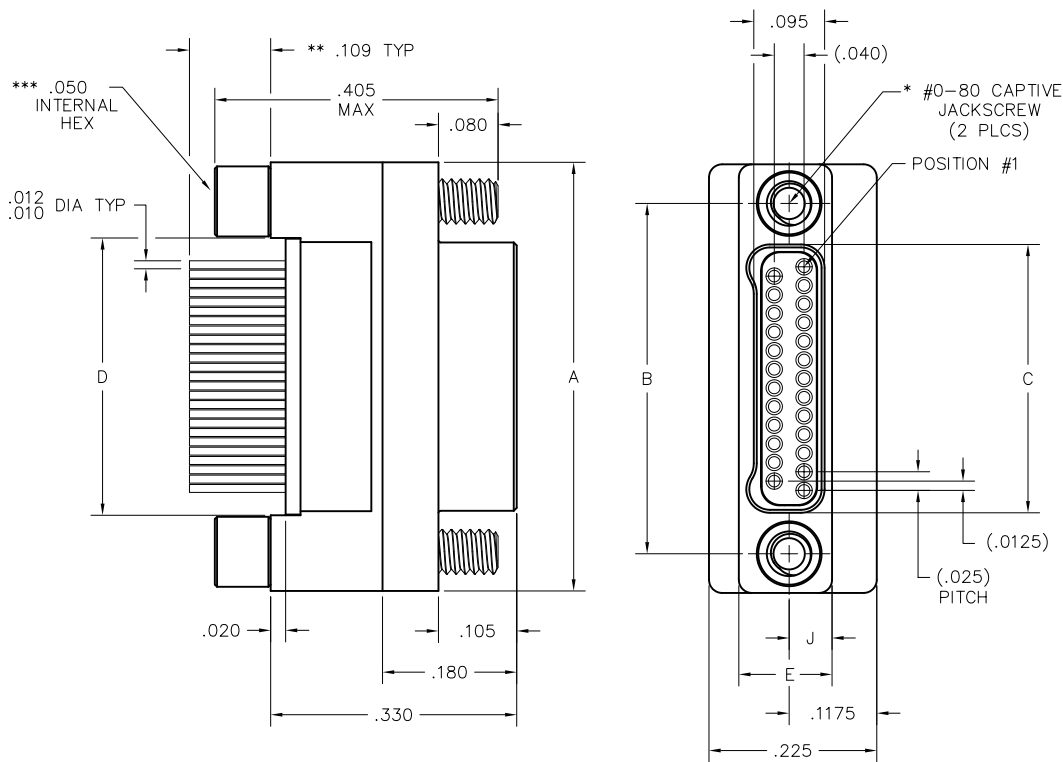
.025"

NK

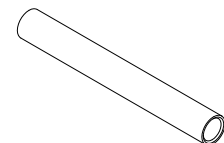
9 thru 91 Contacts



NK-2G2-025-135-JC00
PLUG



DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.160	.170	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.245			
21	.525	.420	.310	.320			
25	.575	.470	.360	.370			
31	.650	.545	.435	.445			
37	.725	.620	.510	.520			
51	.900	.795	.685	.695			
65	1.075	.970	.860	.870	.150	.070	#2-56 THREAD
69	1.125	1.020	.910	.920			
85	1.377	1.246	1.110	1.120			
91	1.451	1.321	1.184	1.198			



SOCKET CONTACT
DRAWN TUBE, CRIMP

- * = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
- ** = OTHER LENGTHS AS REQUIRED
- *** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NK-2G2-025-135-JC00
XX-XXX-XXX-XXX-XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

G Plug, vertical mount, plated thru hole (PTH)

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 13 Pin, straight, .109"
14 Pin, straight, .140"
15 Pin, straight, .172"

PLATING OPTIONS:

- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

JC #0-80 captive jackscrew *

WIRING OPTIONS:

00 None

* = #2-56 UNC thread on 85 and 91 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

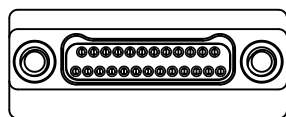
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

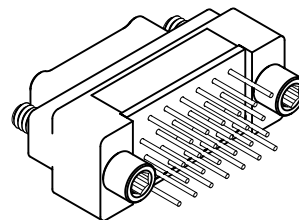


Recommended PC Board Layout

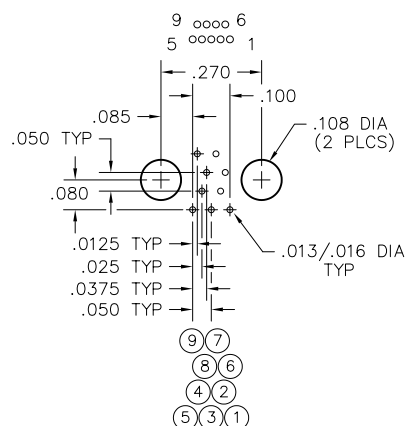
Vertical PTH Plug
with turning hardware
FOR REFERENCE ONLY



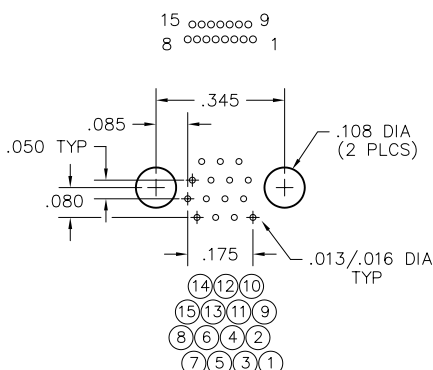
CONNECTOR MATING FACE



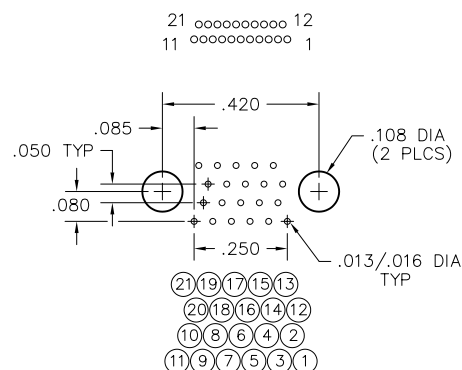
9 POSITION



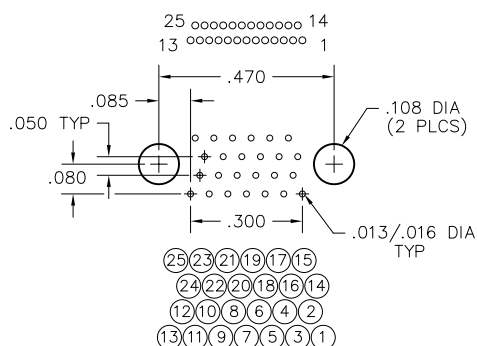
15 POSITION



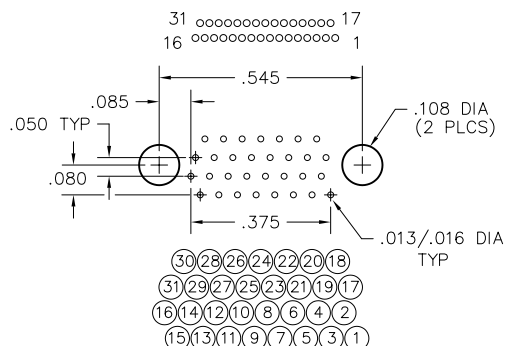
21 POSITION



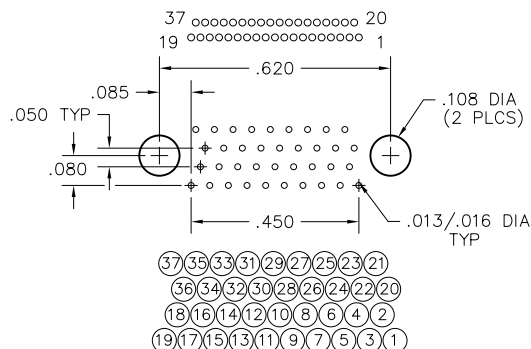
25 POSITION



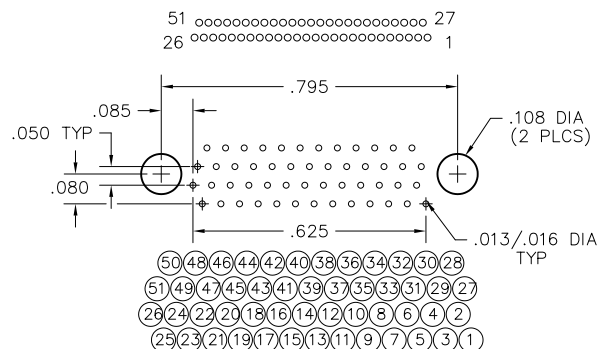
31 POSITION

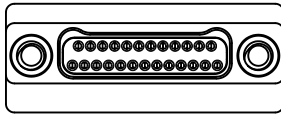


37 POSITION

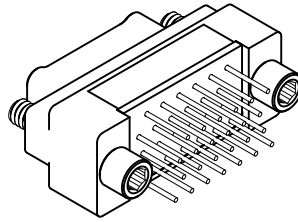


51 POSITION





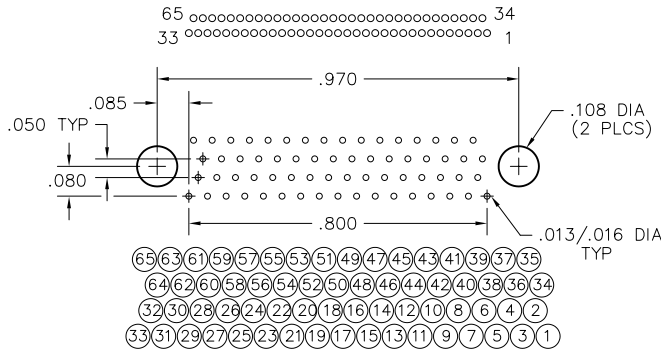
CONNECTOR MATING FACE



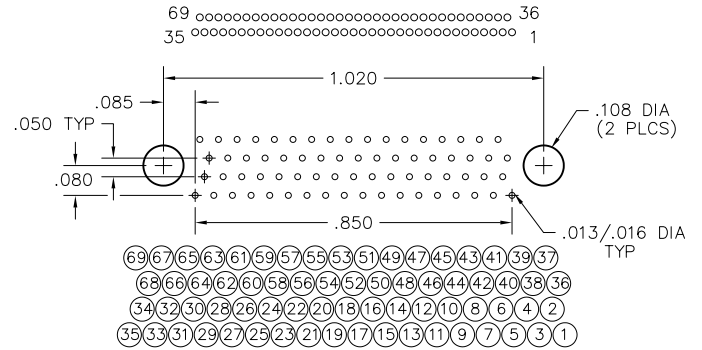
Recommended PC Board Layout

Vertical PTH Plug
with turning hardware
FOR REFERENCE ONLY

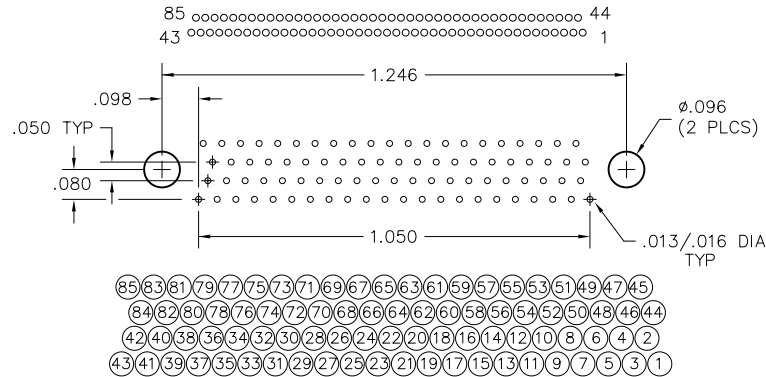
65 POSITION



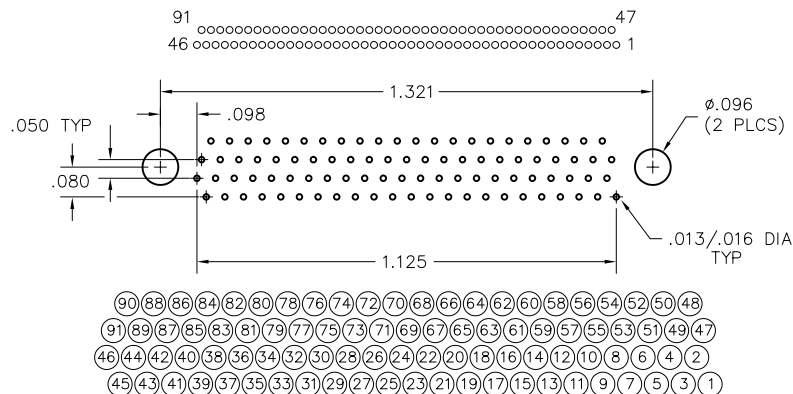
69 POSITION



85 POSITION



91 POSITION



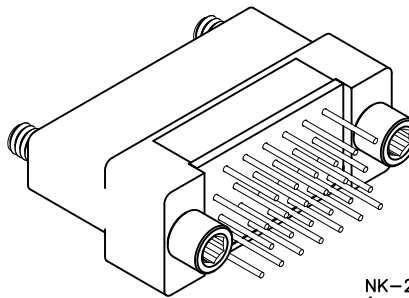


2 · ROW Vertical PTH Receptacle with Turning Hardware

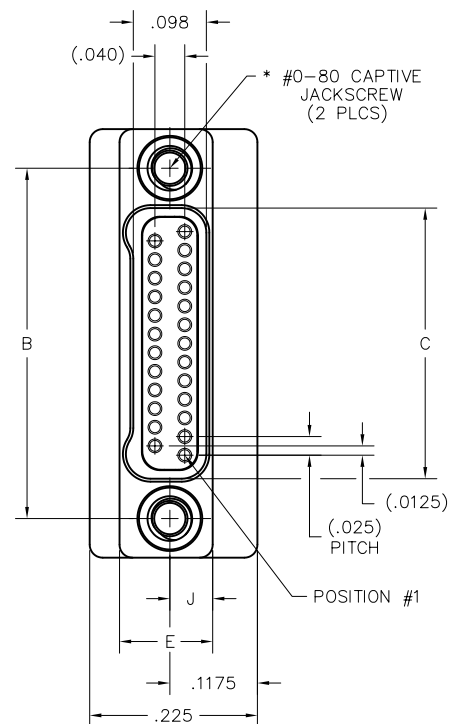
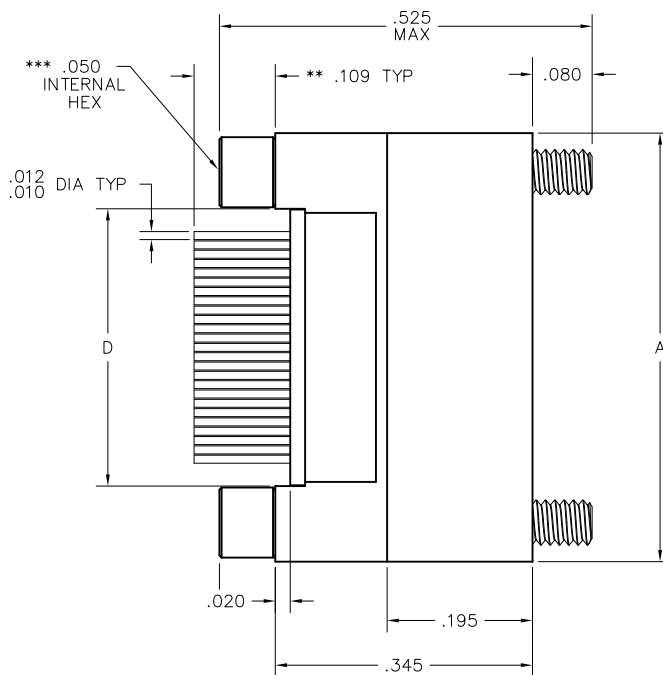
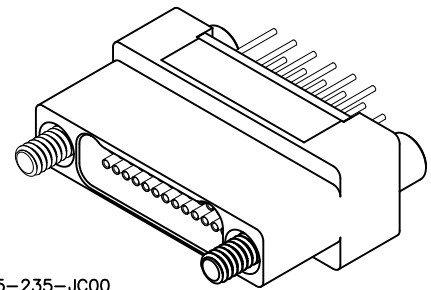
.025"

NK

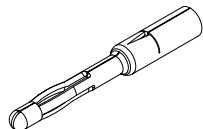
9 thru 91 Contacts



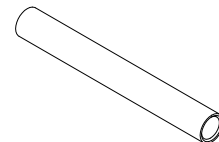
NK-2H2-025-235-JC00
(RCPT)



DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.163	.170	.125	.0575	#0-80 THREAD
15	.450	.345	.238	.245			
21	.525	.420	.313	.320			
25	.575	.470	.363	.370			
31	.650	.545	.438	.445			
37	.725	.620	.513	.520			
51	.900	.795	.688	.695			
65	1.075	.970	.863	.870			
69	1.125	1.020	.913	.920	.150	.070	#2-56 THREAD
85	1.377	1.246	1.113	1.120			
91	1.452	1.321	1.188	1.197			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

- * = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
- ** = OTHER LENGTHS AS REQUIRED
- *** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NK-2H2-025-235-JC00
XX-XXX-XXX-XXX-XXXX**SERIES**

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

H Receptacle, vertical mount, plated thru hole (PTH)

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS**TYPE CONTACTS/TERMINATIONS:**

- 23 Socket, straight, .109"
24 Socket, straight, .140"
25 Socket, straight, .172"

PLATING OPTIONS:

- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE**STYLE OF HARDWARE:**

JC #0-80 captive jackscrew *

WIRING OPTIONS:

00 None

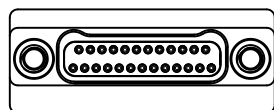
* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

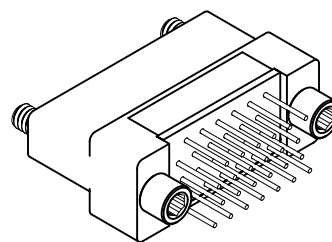


Recommended PC Board Layout

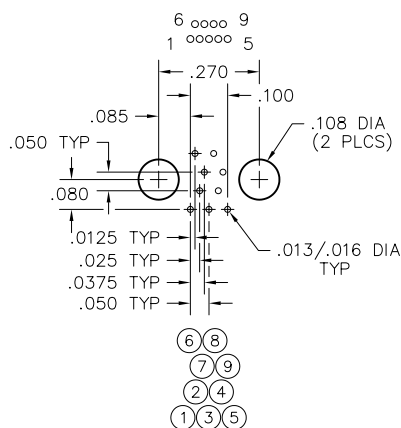
Vertical PTH Receptacle
with turning hardware
FOR REFERENCE ONLY



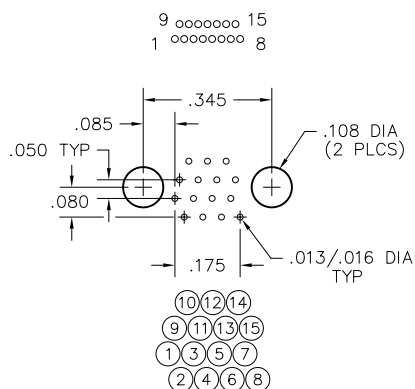
CONNECTOR MATING FACE



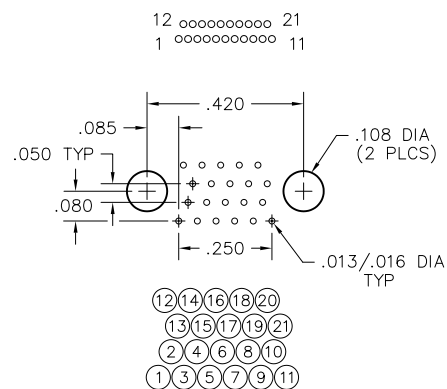
9 POSITION



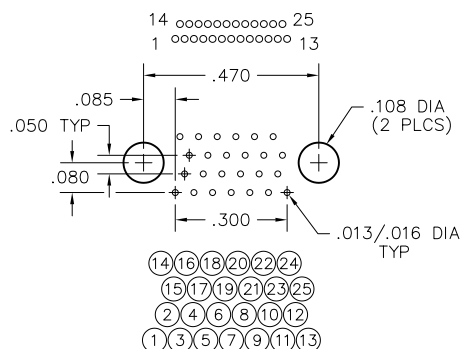
15 POSITION



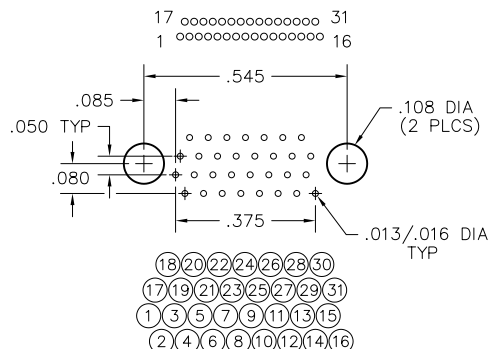
21 POSITION



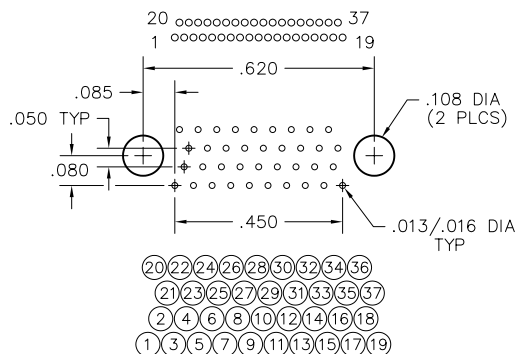
25 POSITION



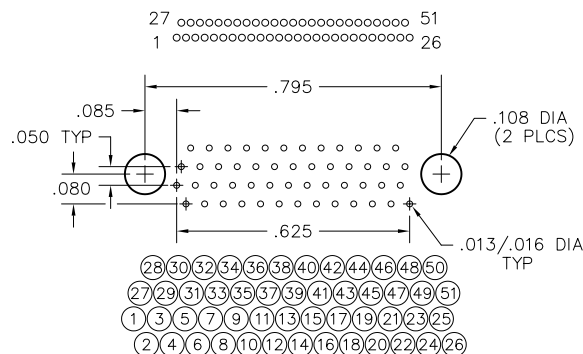
31 POSITION

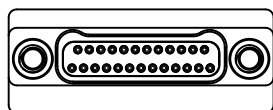


37 POSITION

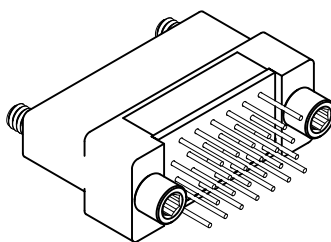


51 POSITION





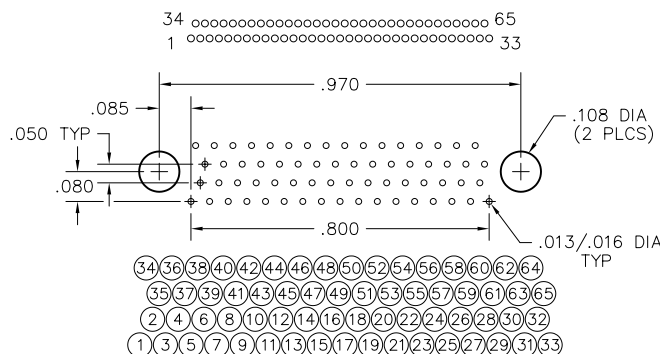
CONNECTOR MATING FACE



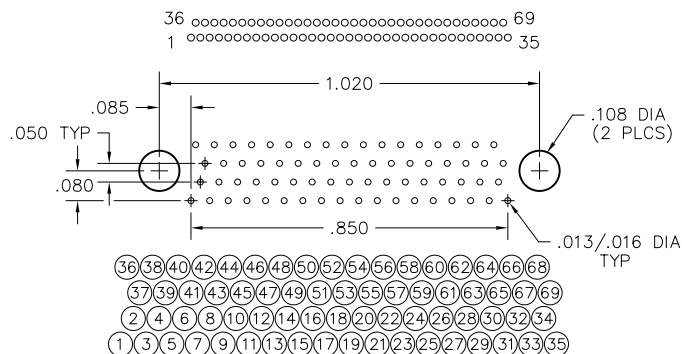
Recommended PC Board Layout

Vertical PTH Receptacle
with turning hardware
FOR REFERENCE ONLY

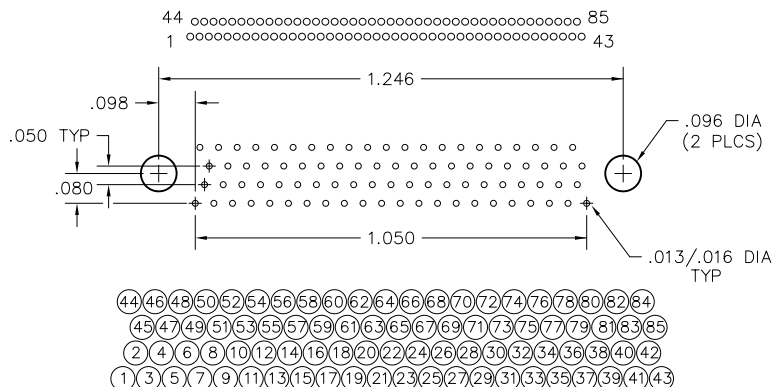
65 POSITION



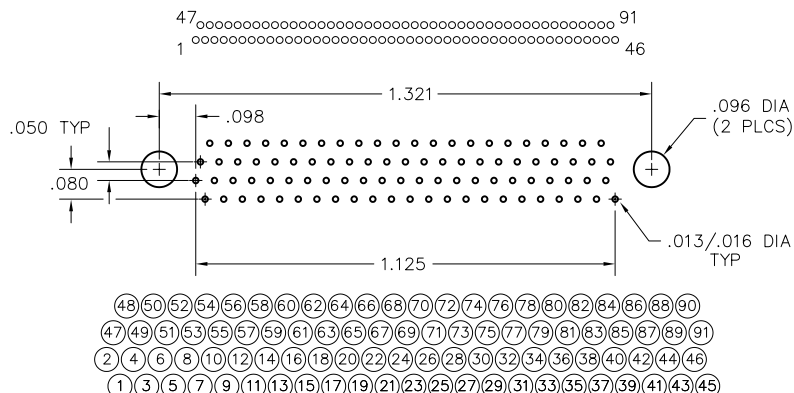
69 POSITION



85 POSITION



91 POSITION



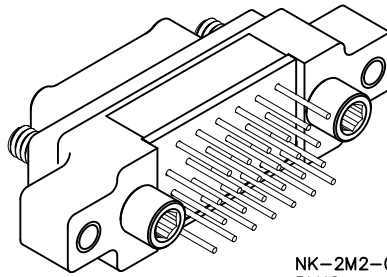


2 · ROW Vertical PTH Plug with Turning Hardware and Mounting Ears

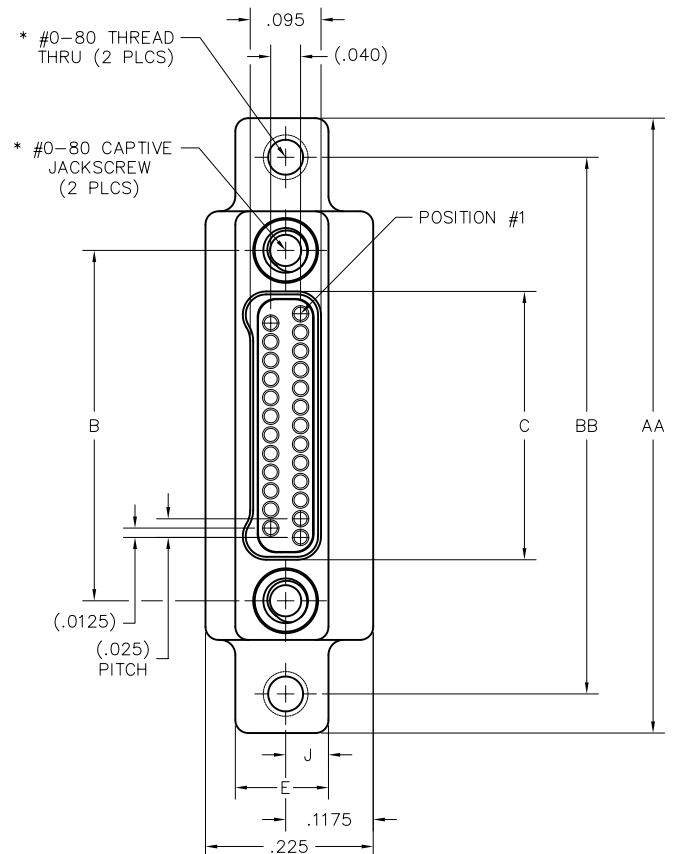
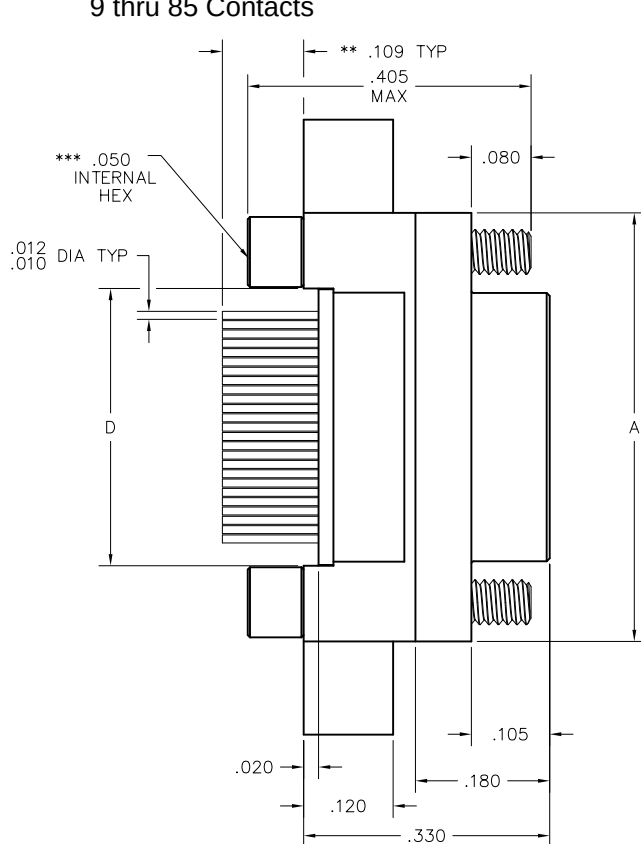
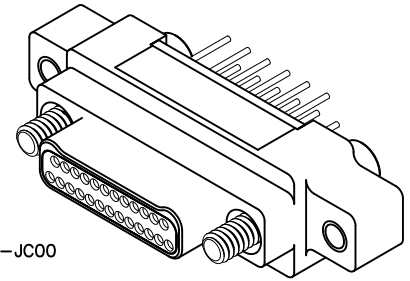
.025"

NK

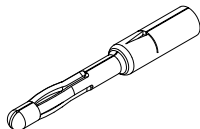
9 thru 85 Contacts



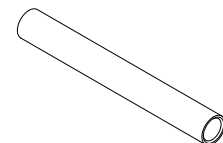
NK-2M2-025-135-JC00
PLUG



DIMENSIONS									
SIZE	A	B	AA	BB	C	D	E	J	*HARDWARE
9	.375	.270	.625	.520	.160	.170			
15	.450	.345	.700	.595	.235	.245			
21	.525	.420	.775	.670	.310	.320			
25	.575	.470	.825	.720	.360	.370			
31	.650	.545	.900	.795	.435	.445			
37	.725	.620	.975	.870	.510	.520			
51	.900	.795	1.150	1.045	.685	.695			
65	1.075	.970	1.325	1.220	.860	.870			
69	1.125	1.020	1.375	1.270	.910	.920			
85	1.377	1.246	1.679	1.546	1.110	1.120	.150	.070	#2-56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

** = OTHER LENGTHS AS REQUIRED

*** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT
TAKEN ACROSS THE FLATS.

NK-2M2-025-135-JC00
XX-XXX-XXX-XXX-XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

M Plug, vertical mount, plated thru hole (PTH) with mounting ears

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 13 Pin, straight, .109"
14 Pin, straight, .140"
15 Pin, straight, .172"

PLATING OPTIONS:

- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

JC #0-80 captive jackscrew *

WIRING OPTIONS:

00 None

* = #2-56 UNC thread on 85 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

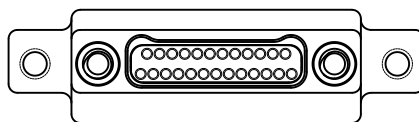
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

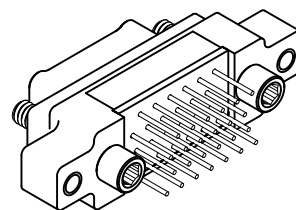


Recommended PC Board Layout

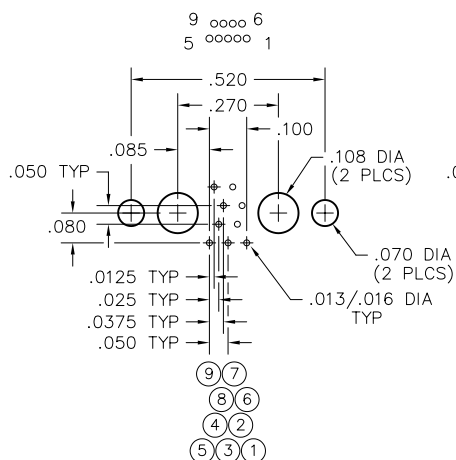
Vertical PTH Plug
with turning hardware
and mounting ears
FOR REFERENCE ONLY



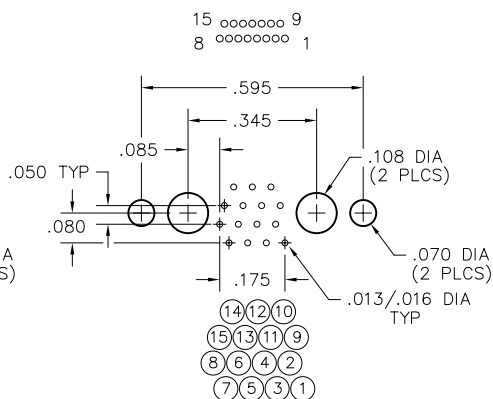
CONNECTOR MATING FACE



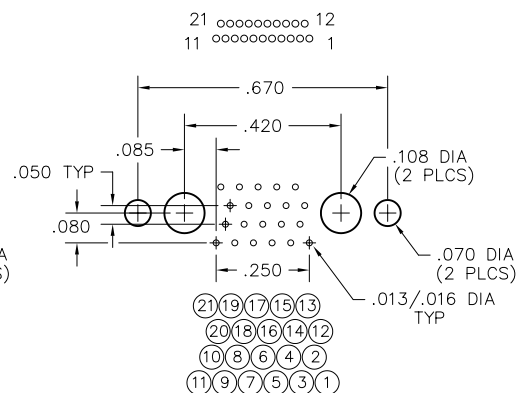
9 POSITION



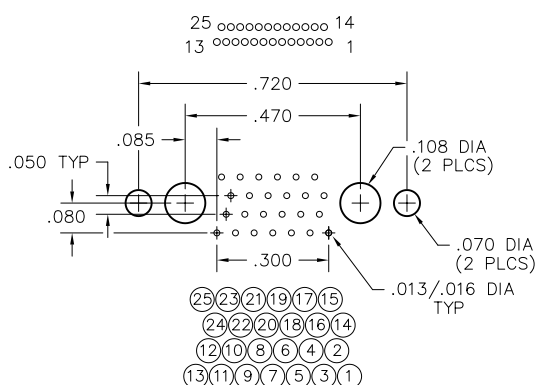
15 POSITION



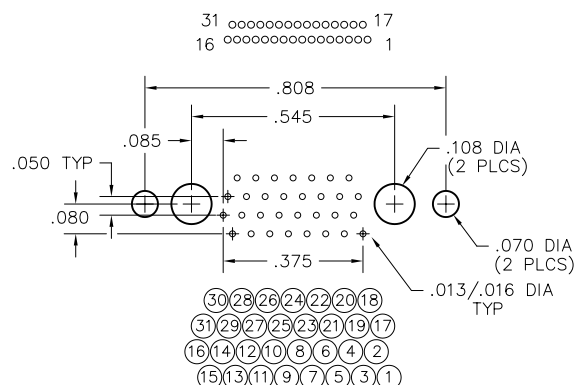
21 POSITION



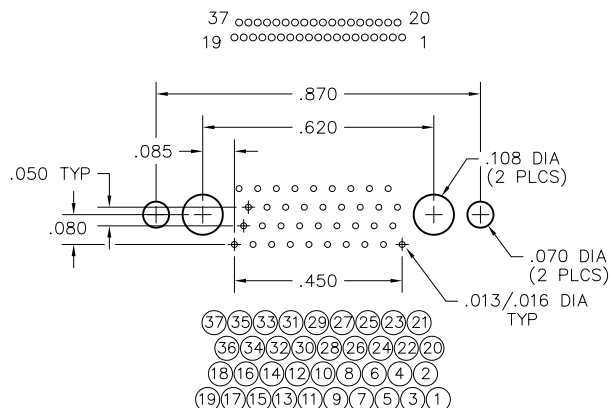
25 POSITION



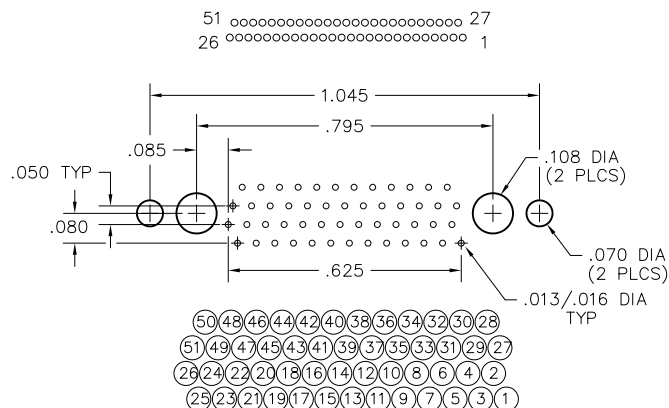
31 POSITION

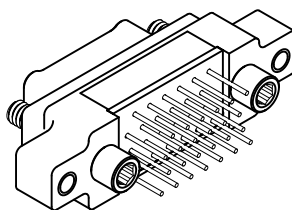


37 POSITION



51 POSITION





Vertical PTH Plug
with turning hardware
and mounting ears
FOR REFERENCE ONLY

Figure 1 consists of two parts. The top part is a schematic diagram of the experimental setup. It shows a rectangular channel with a grid of particles. The total width of the channel is 1.220. The width of the channel itself is .970. The diameter of the particles is .800. Arrows indicate the flow direction. The bottom part is a 5x5 grid of numbered circles representing particles. The numbering starts at 1 in the bottom right corner and proceeds in a boustrophedon pattern, ending at 65 in the top left corner.

69 35 36 1

1.270

1.020

.085

.108 DIA
(2 PLCS)

.070 DIA
(2 PLCS)

.013/.016 DIA
TYP

.850

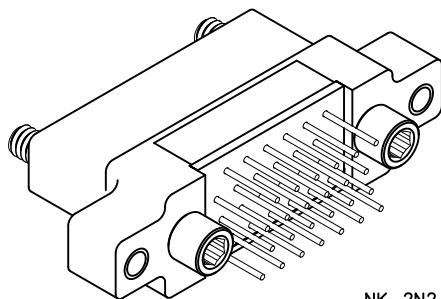
69 67 65 63 61 59 57 55 53 51 49 47 45 43 41 39 37
68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36
34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

Technical drawing of a 2D cross-section of a 12x12 hole array. The drawing shows a rectangular plate with overall dimensions of 1.546 inches by 1.246 inches. The hole array is 1.050 inches wide and .096 inches high. The holes are .013/.016 inches in diameter. The drawing includes dimensions for the hole pitch (.098 inches), hole diameter (.096 inches), and hole spacing (.050 inches typical). The drawing also includes a table of hole coordinates.

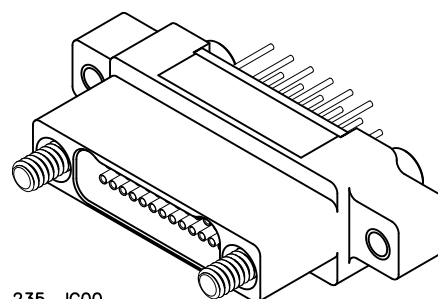
85	83	81	79	77	75	73	71	69	67	65	63	61	59	57	55	53	51	49	47	45	
84	82	80	78	76	74	72	70	68	66	64	62	60	58	56	54	52	50	48	46	44	
42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	
43	41	39	37	35	33	31	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1



2 · ROW Vertical PTH Receptacle with Turning Hardware and Mounting Ears



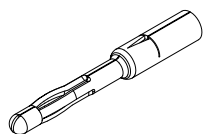
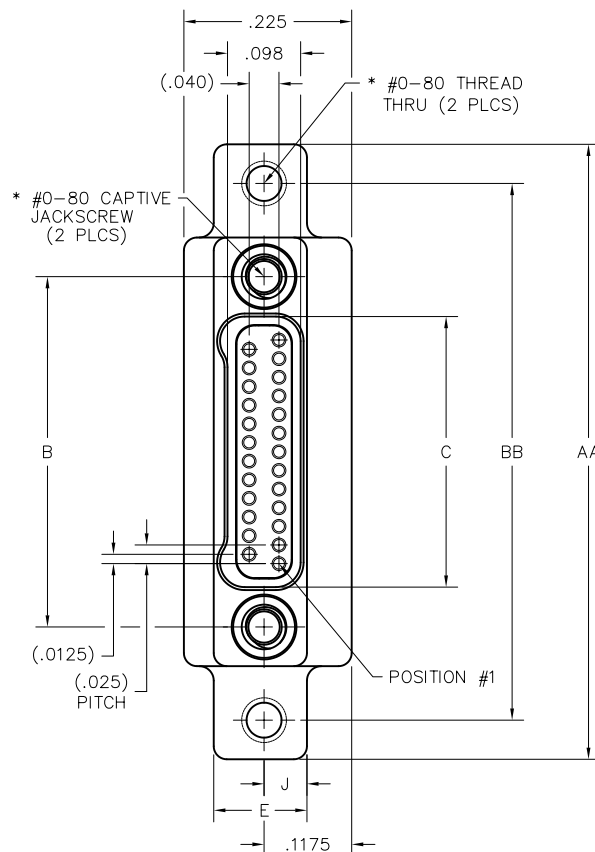
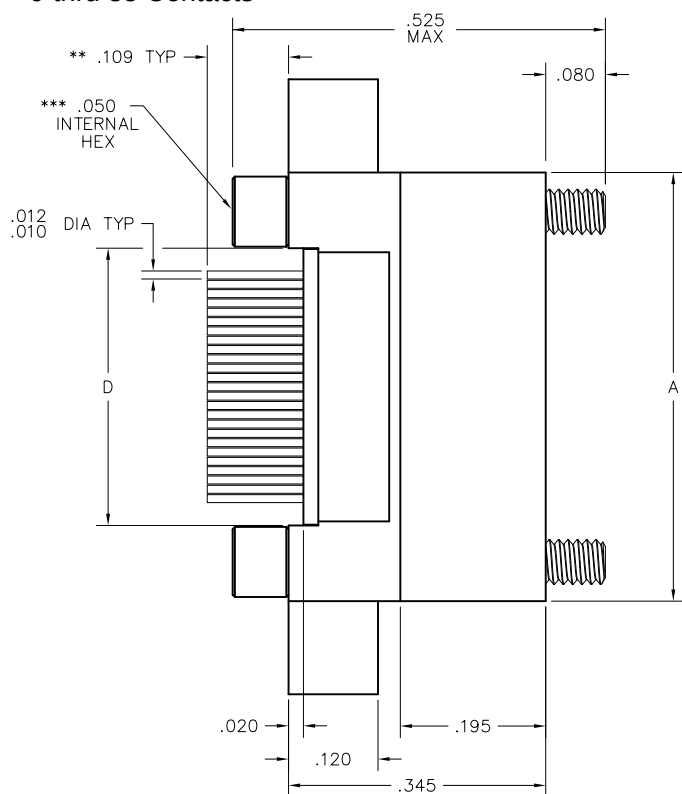
NK-2N2-025-235-JC00
RECEPTACLE



.025"

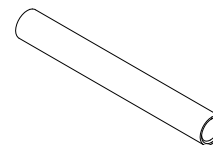
NK

9 thru 85 Contacts



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS									
SIZE	A	B	AA	BB	C	D	E	J	*HARDWARE
9	.375	.270	.625	.520	.163	.170			
15	.450	.345	.700	.595	.238	.245			
21	.525	.420	.775	.670	.313	.320			
25	.575	.470	.825	.720	.363	.370			
31	.650	.545	.900	.795	.438	.445	.125	.0575	#0-80 THREAD
37	.725	.620	.975	.870	.513	.520			
51	.900	.795	1.150	1.045	.688	.695			
65	1.075	.970	1.325	1.220	.863	.870			
69	1.125	1.020	1.375	1.270	.913	.920			
85	1.377	1.246	1.679	1.546	1.113	1.120	.150	.070	#2-56 THREAD



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

** = OTHER LENGTHS AS REQUIRED

*** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT
TAKEN ACROSS THE FLATS.

NK-2N2-025-235-JC00
XX-XXX-XXX-XXX-XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

N Receptacle, vertical mount, plated thru hole (PTH) with mounting ears

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 23 Socket, straight, .109"
24 Socket, straight, .140"
25 Socket, straight, .172"

PLATING OPTIONS:

- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

JC #0-80 captive jackscrew *

WIRING OPTIONS:

00 None

* = #2-56 UNC thread on 85 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

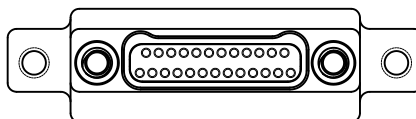
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

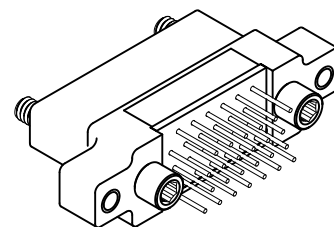


Recommended PC Board Layout

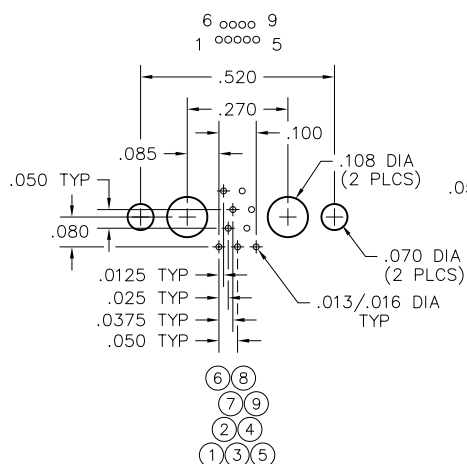
Vertical PTH Receptacle
with turning hardware
and mounting ears
FOR REFERENCE ONLY



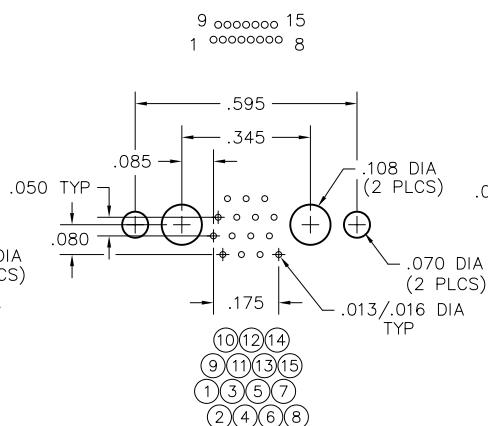
CONNECTOR MATING FACE



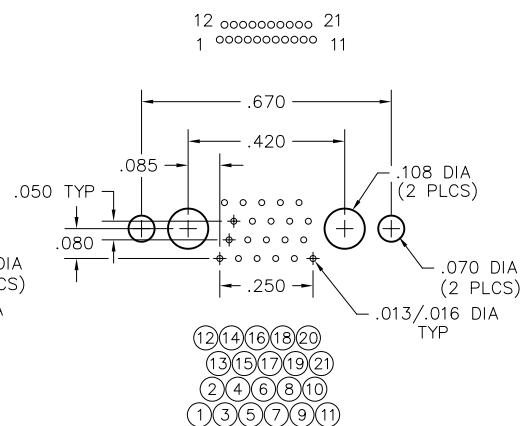
9 POSITION



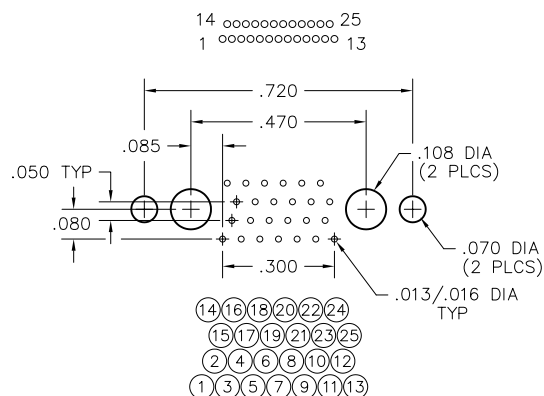
15 POSITION



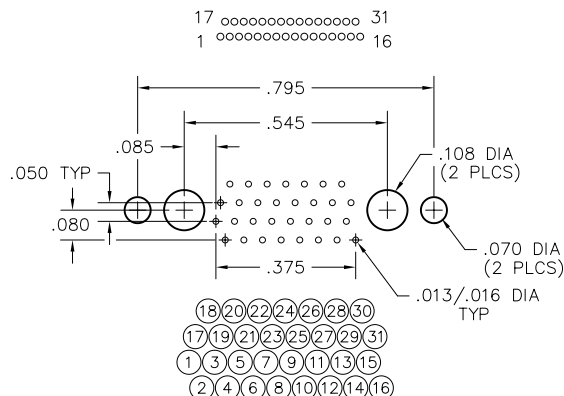
21 POSITION



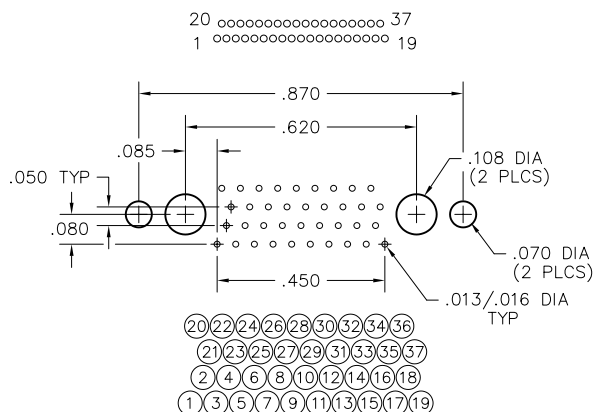
25 POSITION



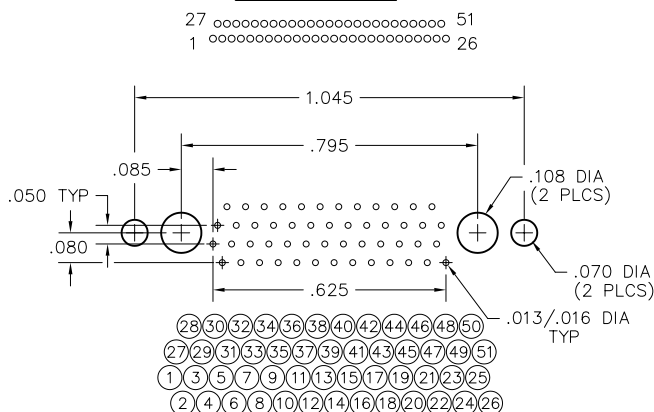
31 POSITION

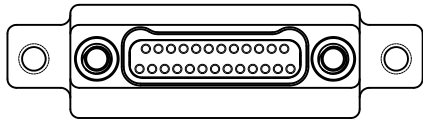


37 POSITION

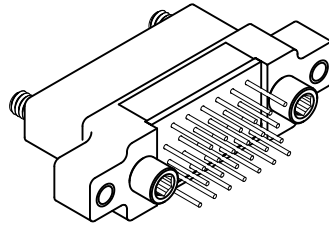


51 POSITION





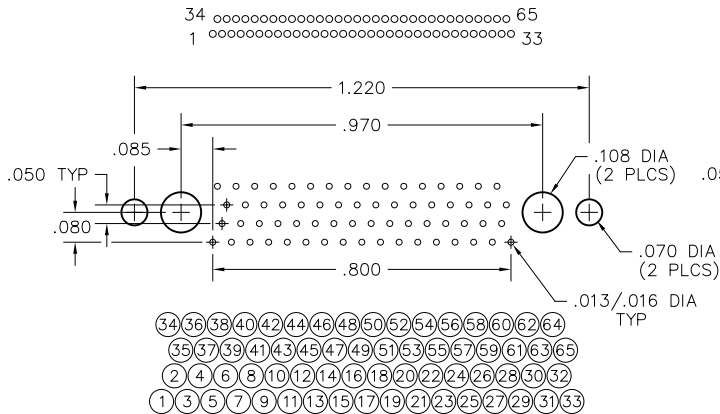
CONNECTOR MATING FACE



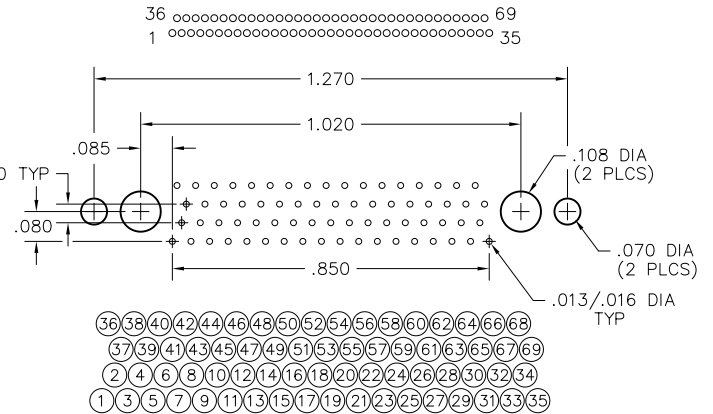
Recommended PC Board Layout

Vertical PTH Receptacle
with turning hardware
and mounting ears
FOR REFERENCE ONLY

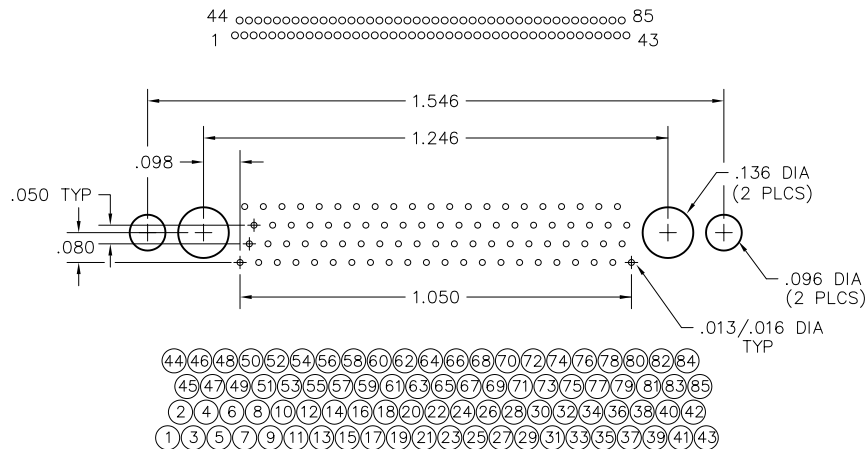
65 POSITION



69 POSITION



85 POSITION





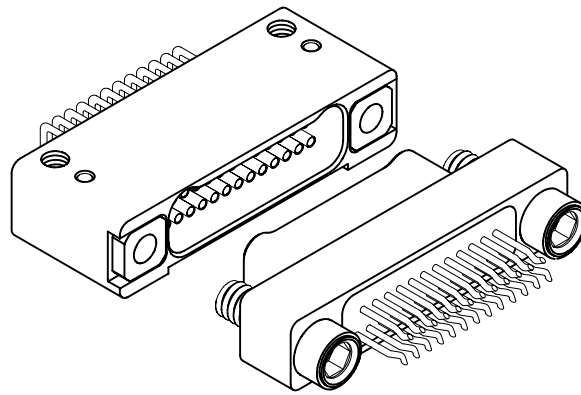
2 · ROW FLEX TO BOARD

.025"

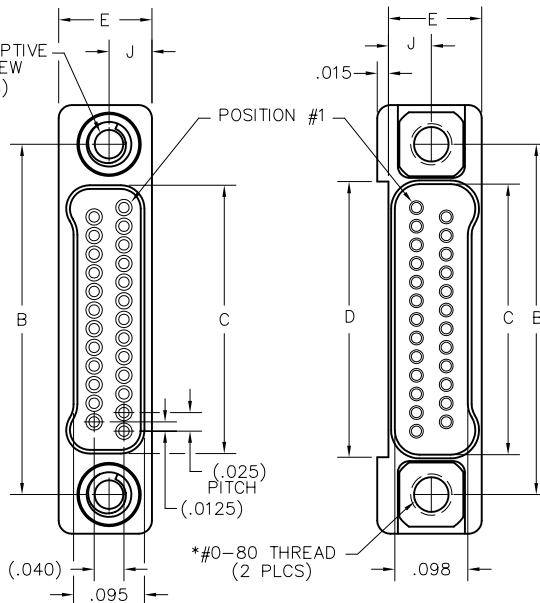
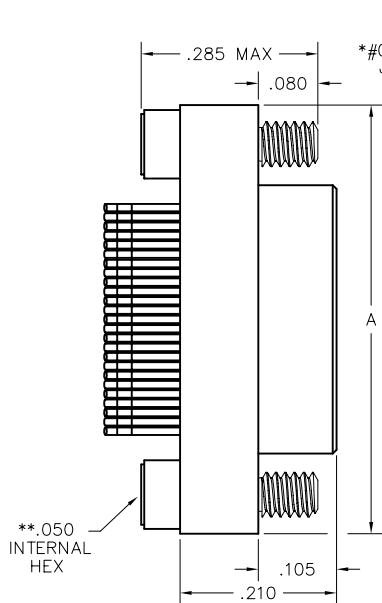
NM, NK

9 thru 85 Contacts

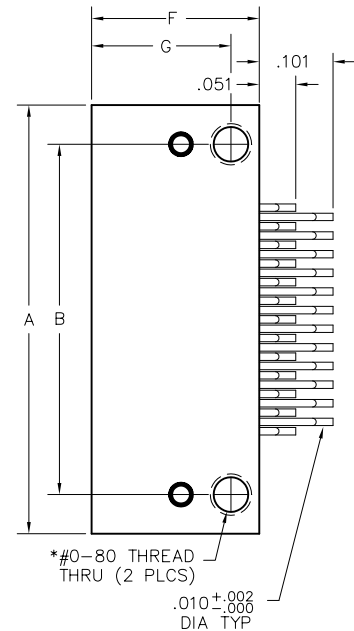
NK-2D2-025-225-TH00
(METAL)



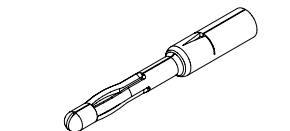
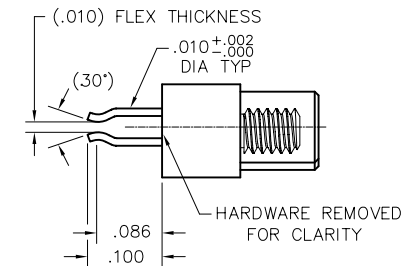
NM-212-025-125-JC00
(METAL)



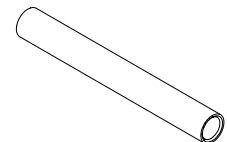
PLUG



RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170					
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695	.125	.225	.187	.0575	#0-80 THREAD
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.270	.210	.0700	#2-56 THREAD

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
TAKEN ACROSS THE FLATS.

PLUG: NM-212-025-125-JC00
RECEPTACLE: NK-2D2-025-225-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG		RECEPTACLE	
SERIES			
NM .025" Metal Straddle Mount Flex Connector		NK .025" Metal PC Board Mounted Connector	
BODY			
2	2-Row	2	2-Row
BODY STYLE: 1 Plug, straight		BODY STYLE: D Receptacle, horizontal mount SMT	
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)		XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS: 12 Pin, straddle SMT		TYPE CONTACTS/TERMINATIONS: 22 Socket, SMT	
PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations		PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF*	
WIRING OPTIONS: 00 None		WIRING OPTIONS: 00 None	

* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

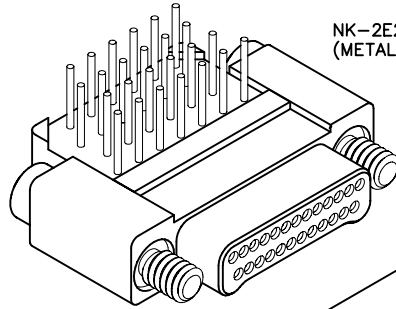
☒ = Option not RoHS compliant

2 · ROW FLEX TO BOARD

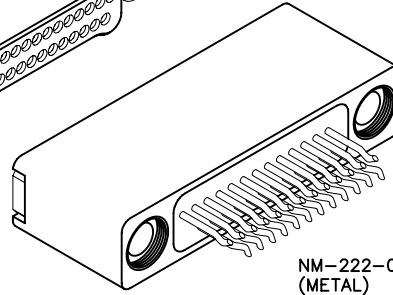
.025"

NM, NK

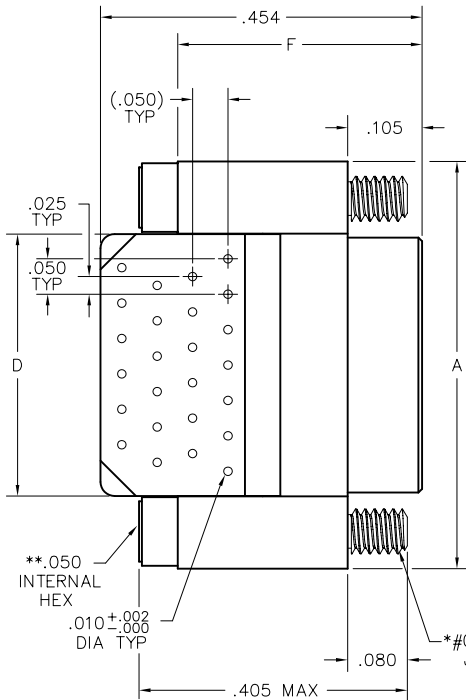
9 thru 85 Contacts



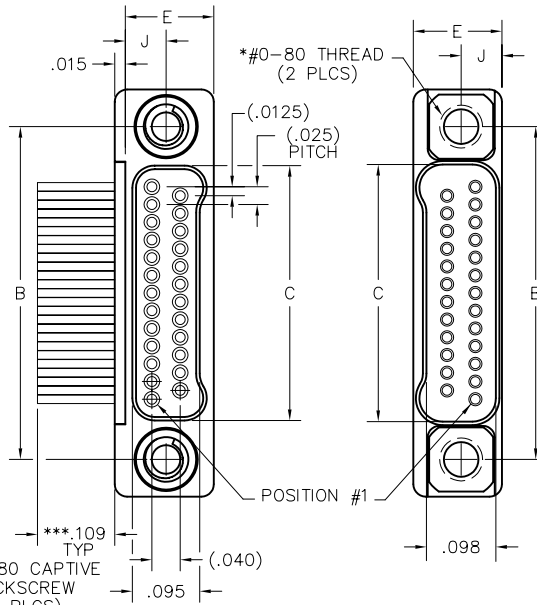
NK-2E2-025-325-JC00
(METAL)



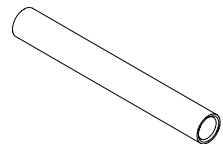
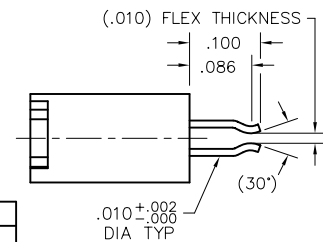
NM-222-025-225-TH00
(METAL)



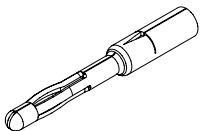
PLUG



RECEPTACLE



SOCKET CONTACT
DRAWN TUBE, CRIMP



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	C		D	E	F		J	*HARDWARE
			PLUG	RCPT			PLUG	RCPT		
9	.375	.270	.160	.163	.170	.125	.330	.225	.0575	#0-80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150			.0700	#2-56 THREAD

- * = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
 *** = OTHER LENGTHS AS REQUIRED

PLUG: NK-2E2-025-325-JC00
RECEPTACLE: NM-222-025-225-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NM .025" Metal Straddle Mount Flex Connector

BODY

2	2-Row	2	2-Row
BODY STYLE:		BODY STYLE:	
E	Plug, right angle, plated thru hole (PTH)	2	Receptacle, straight
BODY MATERIAL:		BODY MATERIAL:	
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085) | XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
32	Pin, right angle, .109"	22	Socket, straddle SMT
33	Pin, right angle, .140"		
34	Pin, right angle, .172"		
PLATING OPTIONS:		PLATING OPTIONS:	
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
WIRING OPTIONS:		WIRING OPTIONS:	
00	None	00	None

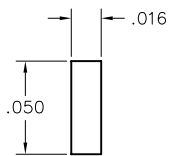
* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

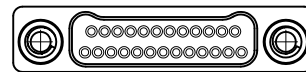
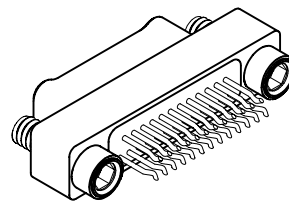


Recommended Flex Circuit Layout

Straddle Mount Flex Plug
FOR REFERENCE ONLY



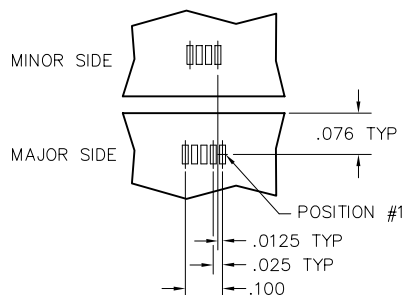
FOOTPRINT / PAD
CONFIGURATION



CONNECTOR MATING FACE

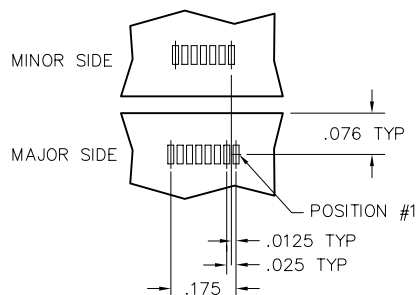
9 POSITION

9 0000 6
5 0000 1



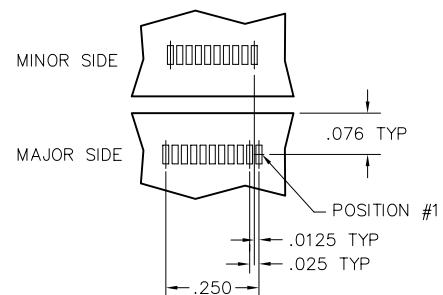
15 POSITION

15 000000 9
8 000000 1



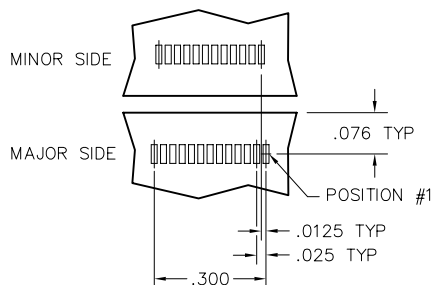
21 POSITION

21 000000000 12
11 000000000 1



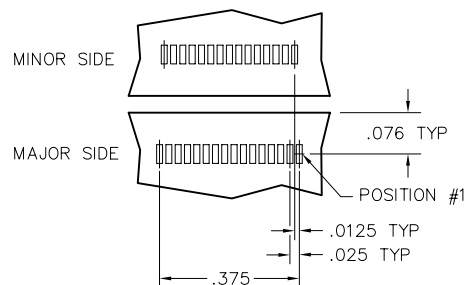
25 POSITION

25 00000000000 14
13 00000000000 1



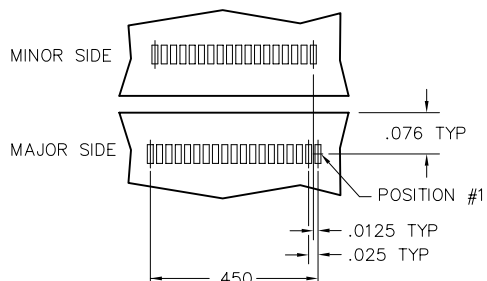
31 POSITION

31 0000000000000 17
16 0000000000000 1



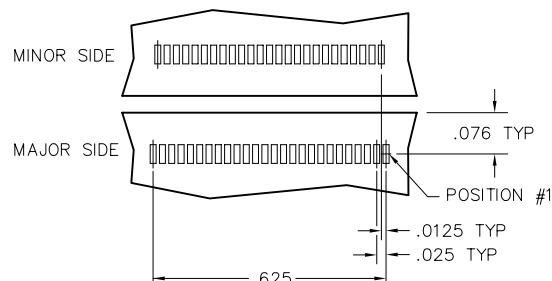
37 POSITION

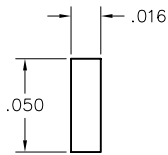
37 000000000000000 20
19 000000000000000 1



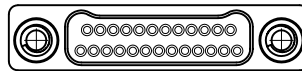
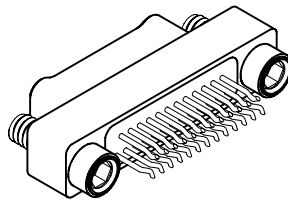
51 POSITION

51 000000000000000000 27
26 000000000000000000 1





FOOTPRINT / PAD
CONFIGURATION



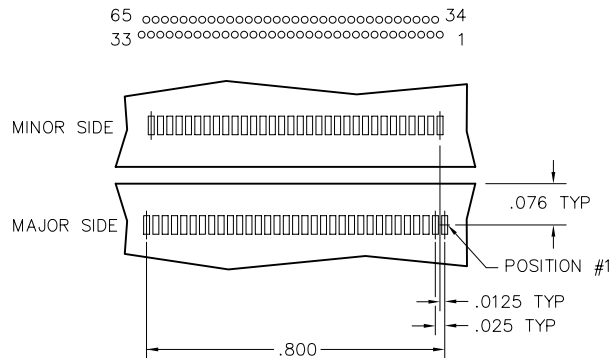
CONNECTOR MATING FACE



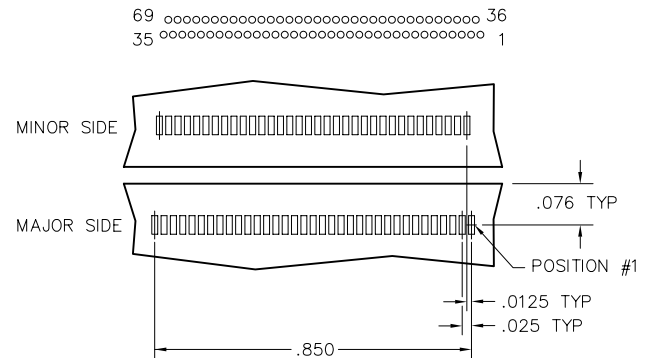
Recommended Flex Circuit Layout

Straddle Mount Flex Plug
FOR REFERENCE ONLY

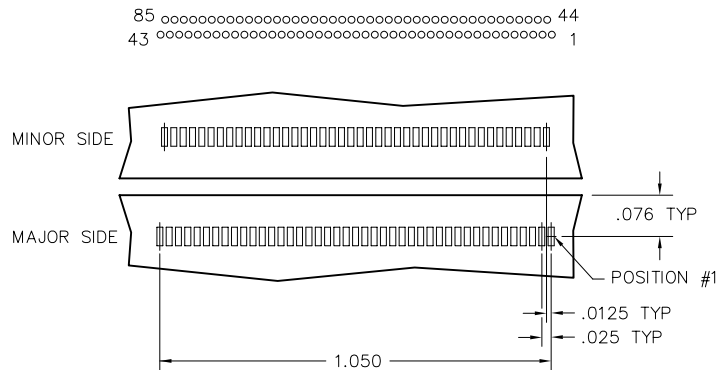
65 POSITION



69 POSITION



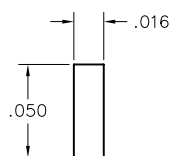
85 POSITION



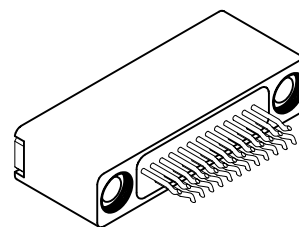


Recommended Flex Circuit Layout

Straddle Mount Flex Receptacle
FOR REFERENCE ONLY



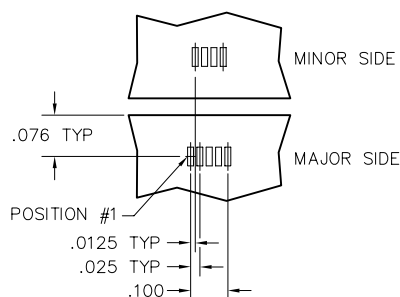
FOOTPRINT / PAD
CONFIGURATION



CONNECTOR MATING FACE

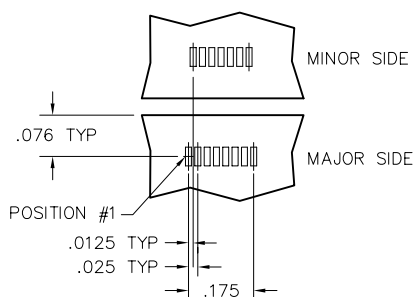
9 POSITION

6 0000 9
1 0000 5



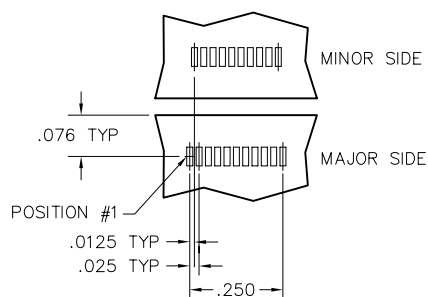
15 POSITION

9 000000 15
1 000000 8



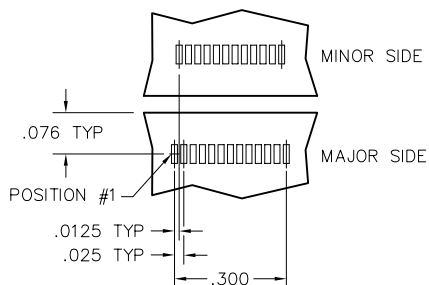
21 POSITION

12 00000000 21
1 00000000 11



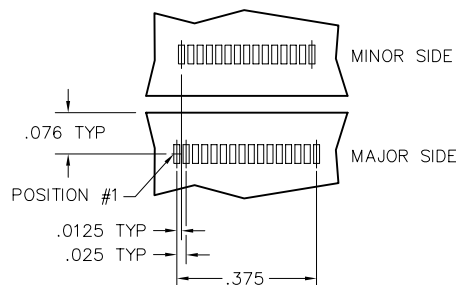
25 POSITION

14 0000000000 25
1 0000000000 13



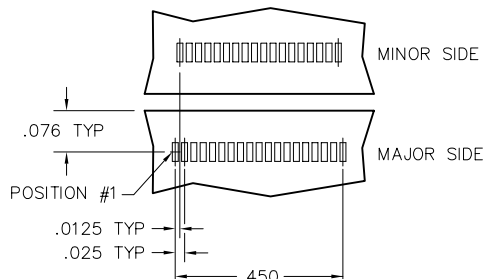
31 POSITION

17 000000000000 31
1 000000000000 16



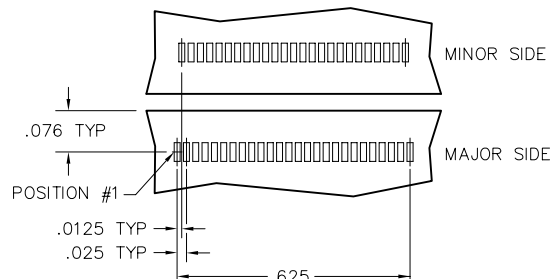
37 POSITION

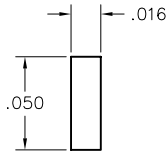
20 00000000000000 37
1 00000000000000 19



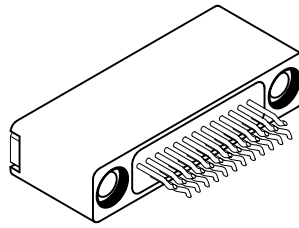
51 POSITION

27 0000000000000000 51
1 0000000000000000 26





FOOTPRINT / PAD
CONFIGURATION



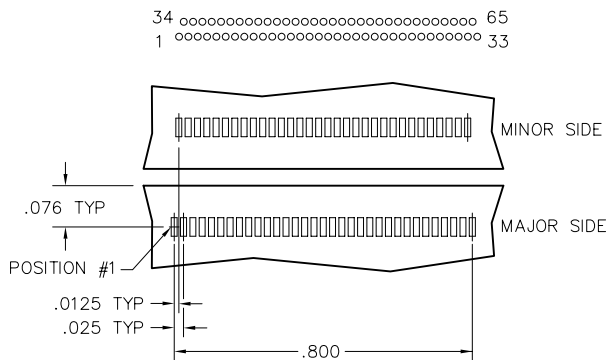
CONNECTOR MATING FACE



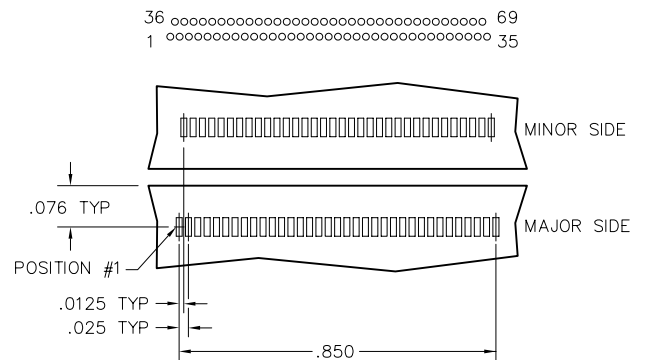
Recommended Flex Circuit Layout

Straddle Mount Flex Receptacle
FOR REFERENCE ONLY

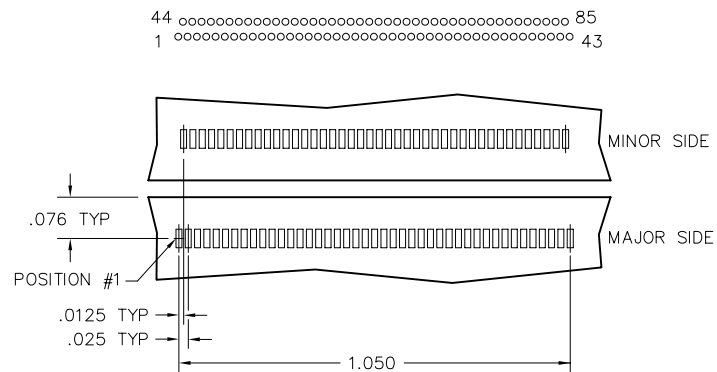
65 POSITION



69 POSITION



85 POSITION





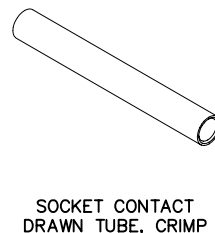
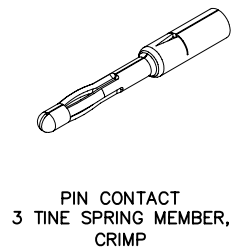
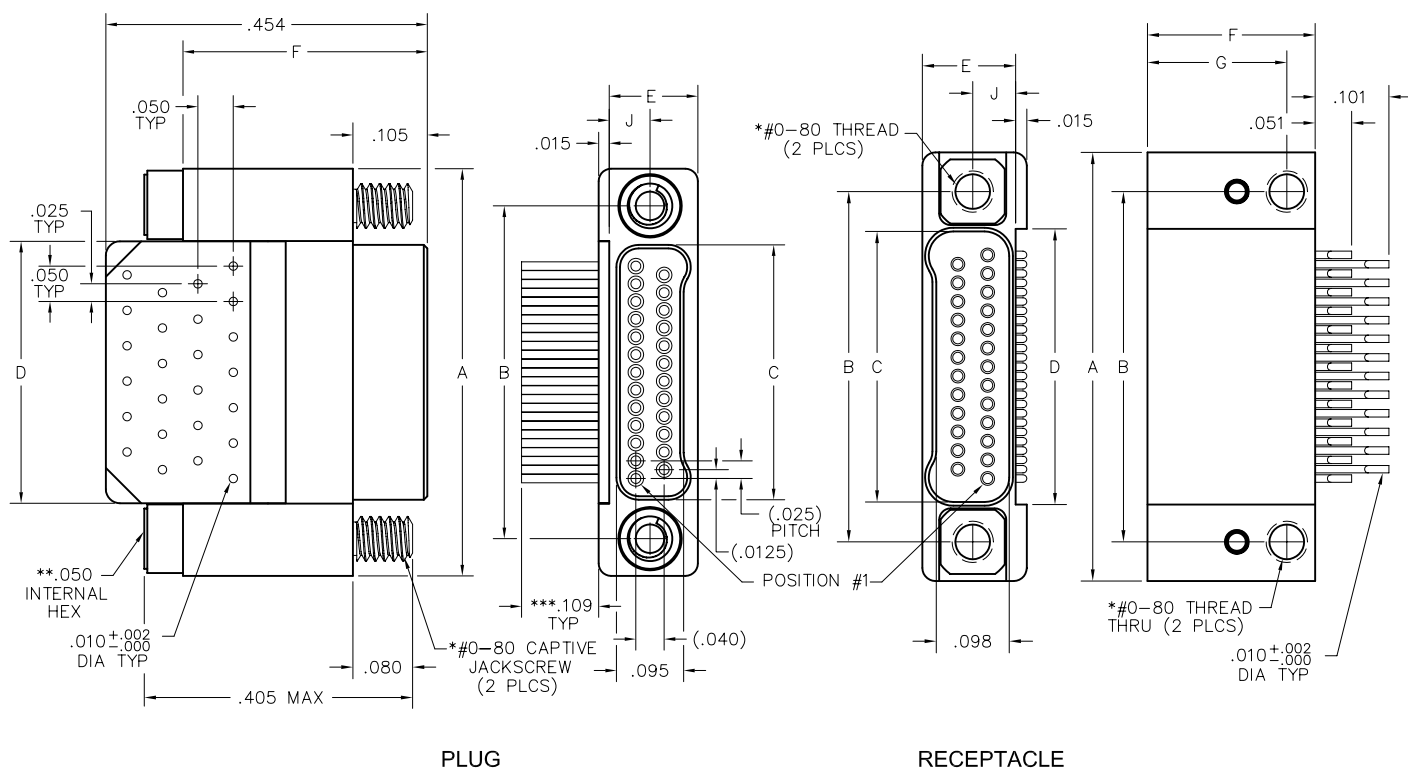
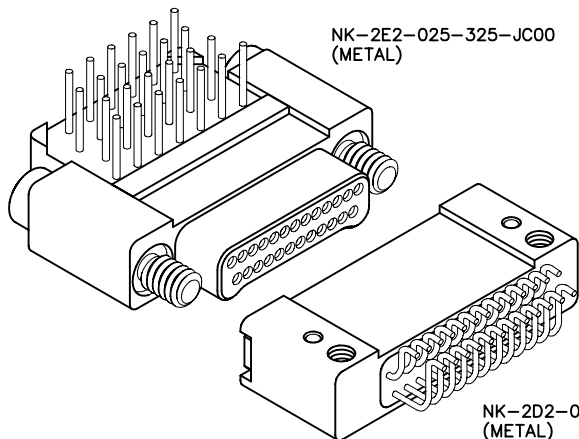
2 · ROW

Flex to Board

.025"

NK, NK

9 thru 85 Contacts



DIMENSIONS										
SIZE	A	B	C		D	E	F		G	J
			PLUG	RCPT			PLUG	RCPT		
9	.375	.270	.160	.163	.170					
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120					

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT
 TAKEN ACROSS THE FLATS.
 *** = OTHER LENGTHS AS REQUIRED

PLUG: NK-2E2-025-325-JC00
RECEPTACLE: NK-2D2-025-225-TH00
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NK .025" Metal PC Board Mounted Connector | NK .025" Metal PC Board Mounted Connector

BODY

2	2-Row	2	2-Row
BODY STYLE:		BODY STYLE:	
E	Plug, right angle, plated thru hole (PTH)	D	Receptacle, horizontal mount SMT
BODY MATERIAL:		BODY MATERIAL:	
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085) | XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
32	Pin, right angle, .109"	22	Socket, SMT
33	Pin, right angle, .140"		
34	Pin, right angle, .172"		
PLATING OPTIONS:		PLATING OPTIONS:	
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
WIRING OPTIONS:		WIRING OPTIONS:	
00	None	00	None

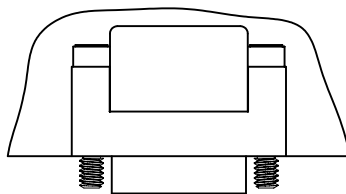
* = #2-56 UNC thread on 85 position connectors
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

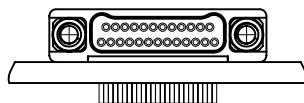


Recommended Flex Circuit Layout

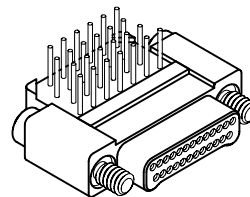
Right Angle Flex Mount PTH Plug
FOR REFERENCE ONLY



FLEX CIRCUIT LAYOUT
COMPONENT SIDE

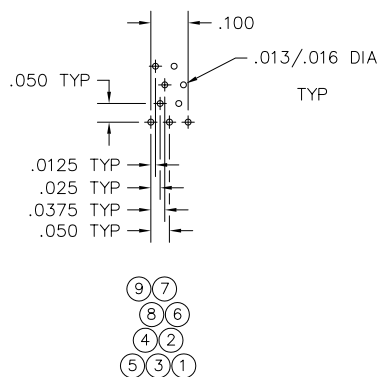


CONNECTOR MATING FACE



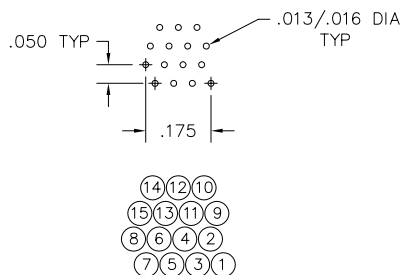
9 POSITION

9 0000 6
5 0000 1



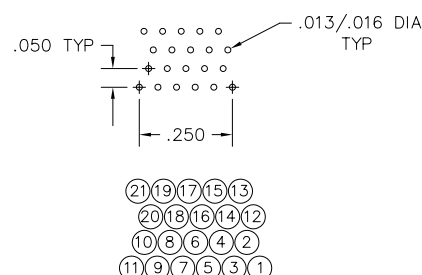
15 POSITION

15 000000 9
8 000000 1



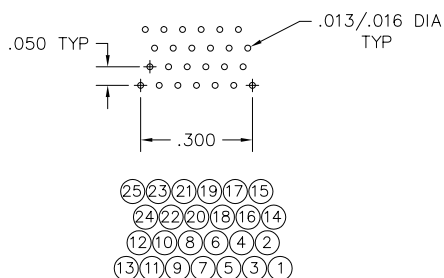
21 POSITION

21 00000000 12
11 00000000 1



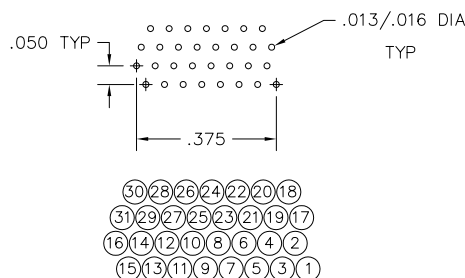
25 POSITION

25 0000000000 14
13 0000000000 1



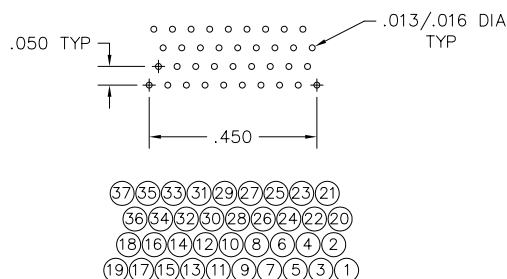
31 POSITION

31 000000000000 17
16 000000000000 1



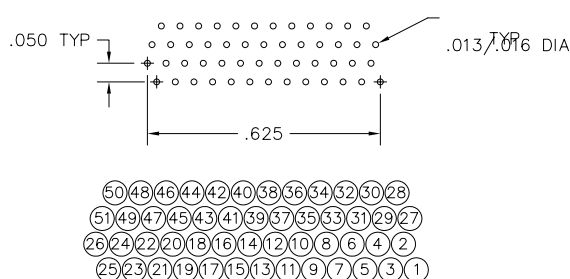
37 POSITION

37 00000000000000 20
19 00000000000000 1



51 POSITION

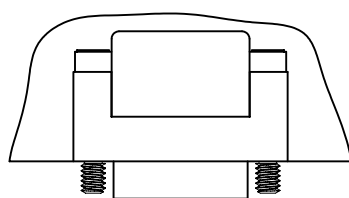
51 000000000000000000 27
26 000000000000000000 1



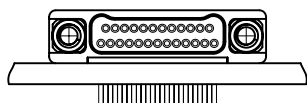
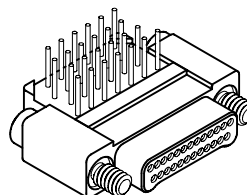


Recommended Flex Circuit Layout

Right Angle Flex Mount PTH Plug
FOR REFERENCE ONLY

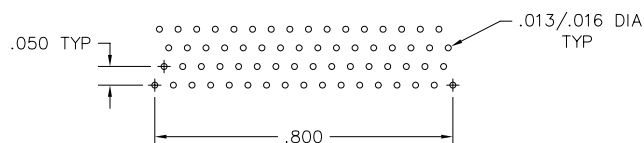


FLEX CIRCUIT LAYOUT COMPONENT SIDE



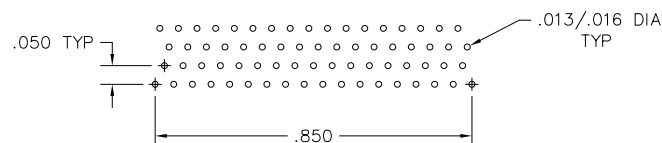
CONNECTOR MATING FACE

65 POSITION

[illegible]

65 63 61 59 57 55 53 51 49 47 45 43 41 39 37 35
64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34
32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

69 POSITION

[illegible]

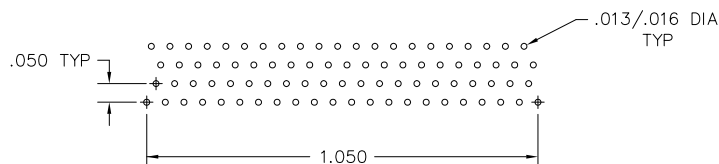
69 67 65 63 61 59 57 55 53 51 49 47 45 43 41 39 37
68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36
54 52 50 28 26 24 22 20 18 16 14 12 10 8 6 4 2
35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

85 POSITION

```

85 oooooooooooooooooooooooooooooooooooooooooooooooooooooo 44
43 oooooooooooooooooooooooooooooooooooooooooooooooooooooo 1

```



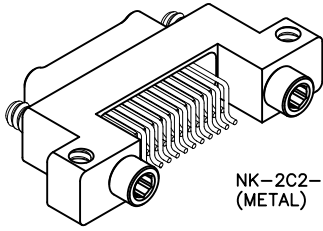
85 83 81 79 77 75 73 71 69 67 65 63 61 59 57 55 53 51 49 47 45
84 82 80 78 76 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44
42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
43 41 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1



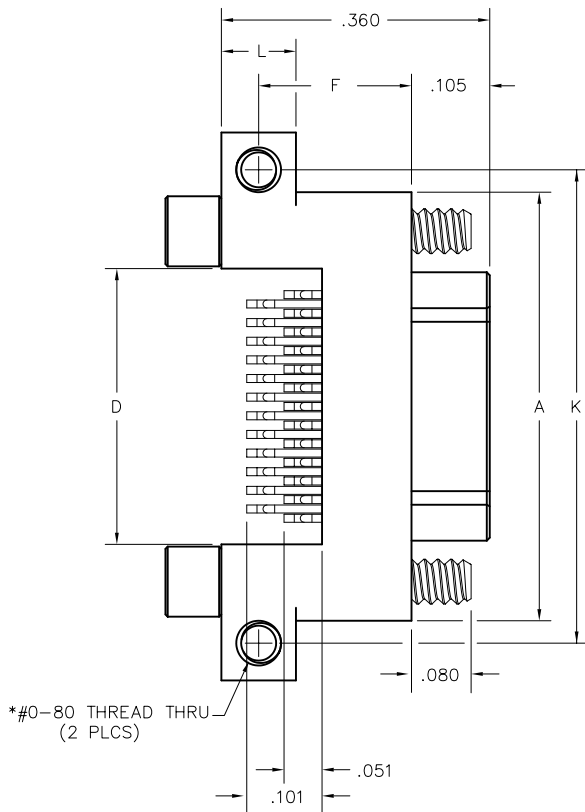
2 • ROW
Horizontal SMT
with Jackscrews
Plug
.025"

NK

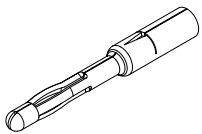
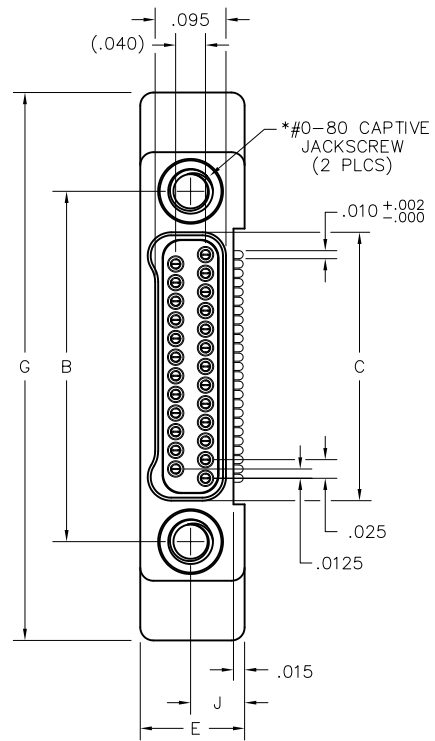
9 thru 85 Contacts



NK-2C2-025-125-JC00
(METAL)



PLUG



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS											
SIZE	A	B	C	D	E	F	G	J	K	L	*HARDWARE
9	.375	.270	.160	.170	.125	.205	.535	.0575	.435	.100	#0-80 THREAD
15	.450	.345	.235	.245			.610		.510		
21	.525	.420	.310	.320			.685		.585		
25	.575	.470	.360	.370			.735		.635		
31	.650	.545	.435	.445			.810		.710		
37	.725	.620	.510	.520			.885		.785		
51	.900	.795	.685	.695			1.060		.960		
65	1.075	.970	.860	.870			1.235		1.135		
69	1.125	1.020	.910	.920			1.285		1.185		
85	1.377	1.246	1.110	1.120	.150	.192	1.590	.0700	1.463	.126	#2-56 THREAD

PLUG: NK-2C2-025-125-JC00
NK-XXX-XXX-XXX-XXXX

PLUG

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

C Plug, horizontal mount SMT

BODY MATERIAL:

- 2 Liquid Crystal Polymer w/ electroless nickel shell
- 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

12 Pin, SMT

PLATING OPTIONS:

- 5 50 u" Au contacts, Sn/Pb alloy terminations ☒
- 8 50 u" Au contacts, tin plated terminations

HARDWARE

STYLE OF HARDWARE:

JC Turning jackscrews, captivated #0-80 UNF*

WIRING OPTIONS:

00 None

* = #2-56 UNC thread on 85 position connectors

.050 hex key (#0-80 thread)

1/16" hex key (#2-56 thread)

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

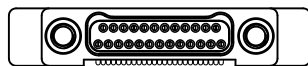
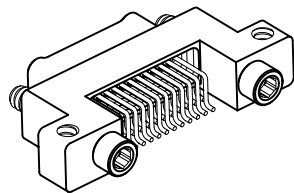
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

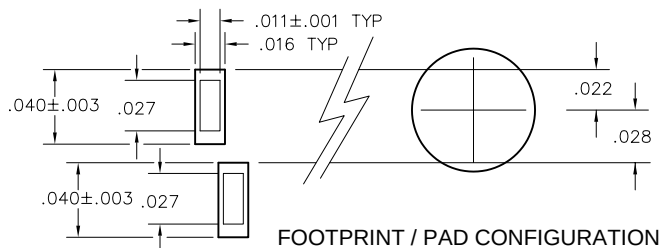


Recommended PC Board Layout

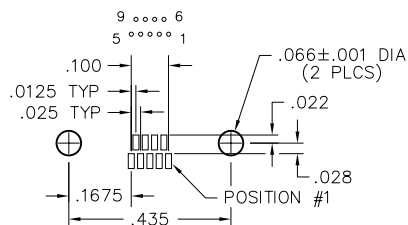
Horizontal SMT Plug
FOR REFERENCE ONLY



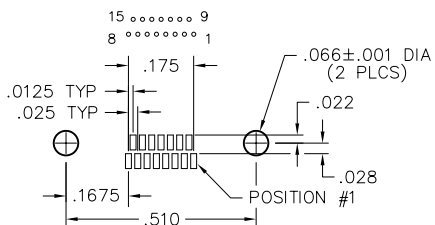
CONNECTOR MATING FACE



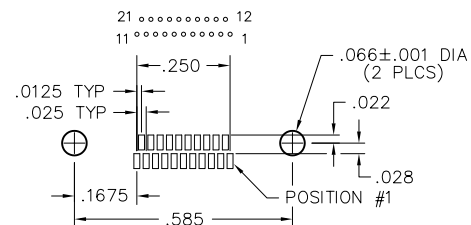
9 POSITION



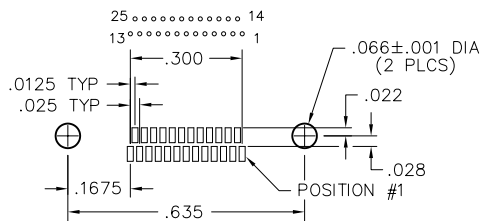
15 POSITION



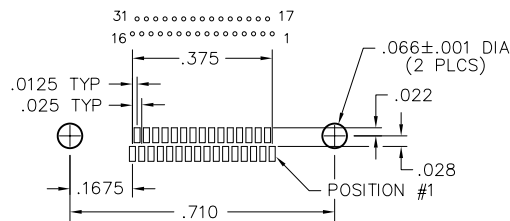
21 POSITION



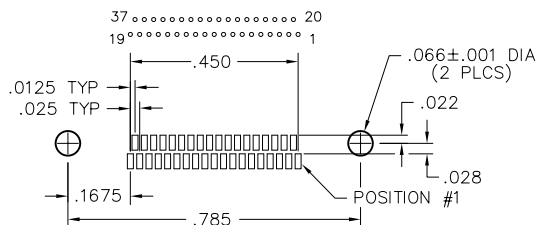
25 POSITION



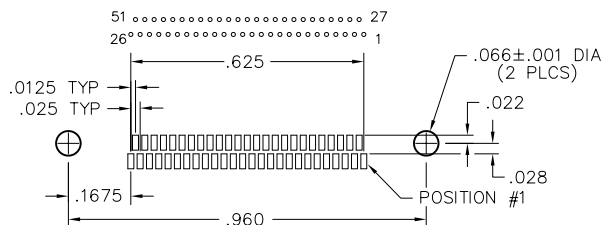
31 POSITION



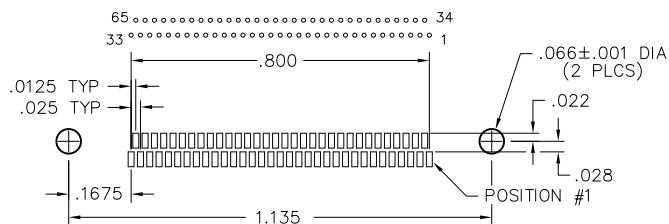
37 POSITION



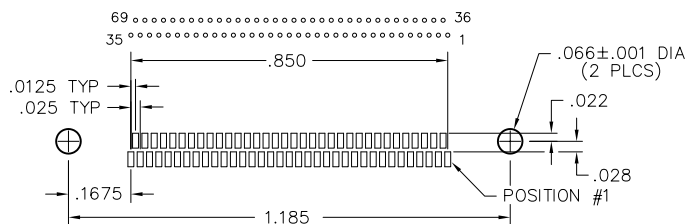
51 POSITION



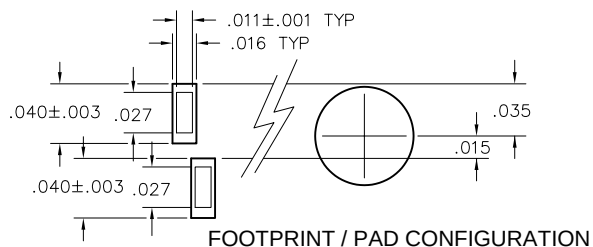
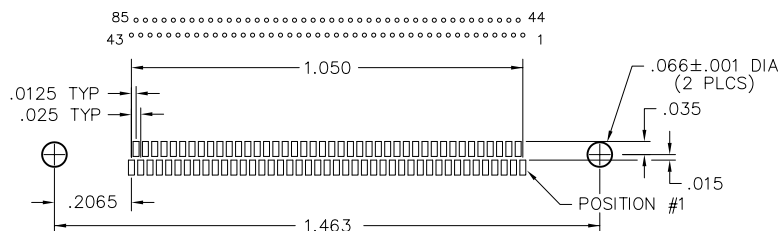
65 POSITION



69 POSITION



85 POSITION



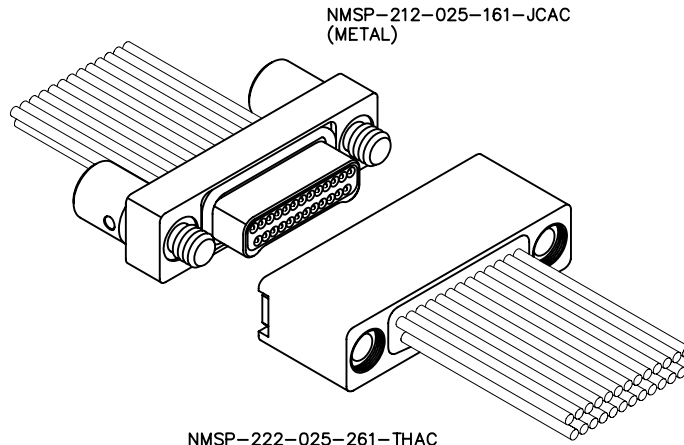


2 · ROW Splashproof** Cable to Cable

.025"

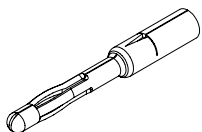
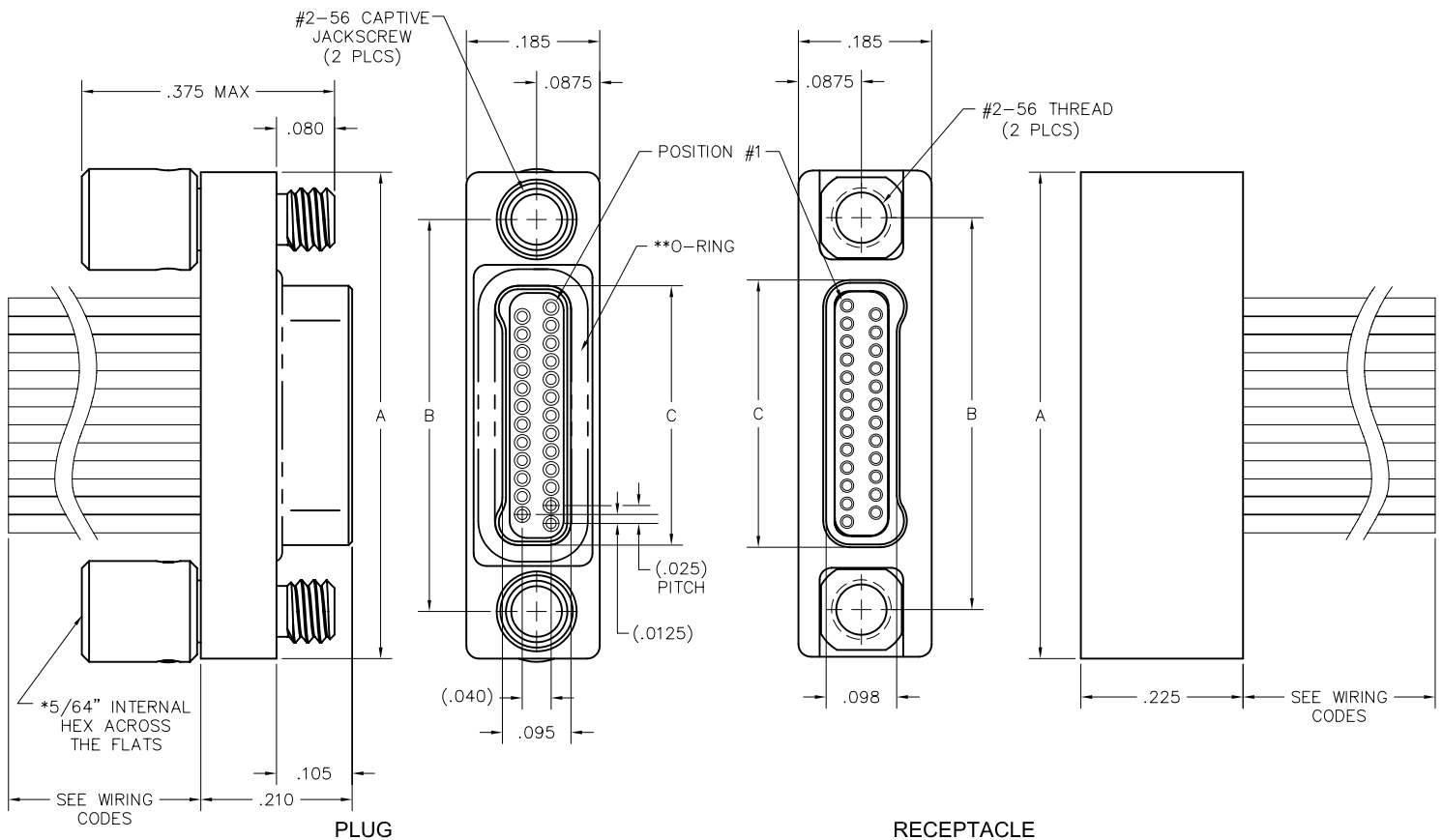
NMSP, NMSP

9 thru 85 Contacts



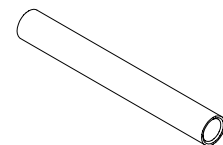
NMSP-212-025-161-JCAC
(METAL)

NMSP-222-025-261-THAC
(METAL)



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		HARDWARE
			PLUG	RCPT	
9	.475	.344	.160	.163	#2-56 THREAD
15	.550	.419	.235	.238	
21	.625	.494	.310	.313	
25	.675	.544	.360	.363	
31	.750	.619	.435	.438	
37	.825	.694	.510	.513	
51	1.000	.869	.685	.688	
65	1.175	1.044	.860	.863	
69	1.225	1.094	.910	.913	
85	1.425	1.294	1.110	1.113	



SOCKET CONTACT
DRAWN TUBE, CRIMP

**The o-ring seal provides moisture resistance to fog, humidity and splashing.

PLUG: NMSP-212-025-161-JCAC
RECEPTACLE: NMSP-222-025-261-THAC
 XXXX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NMSP .025" Metal Splashproof I/O Connector

NMSP .025" Metal Splashproof I/O Connector

BODY

2 2-Row

2 2-Row

BODY STYLE:

1 Plug, straight, with fluorosilicone o-ring

BODY STYLE:

2 Receptacle, straight

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

BODY MATERIAL:

2 Liquid Crystal Polymer w/ electroless nickel shell

3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

16 Pin, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

1 50 u" Au contacts

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

JC Turning jackscrews, captivated #2-56 UNF*

TH Threaded hole, #2-56 UNF

STYLE OF HARDWARE:

JC Turning jackscrews, captivated #2-56 UNF*

TH Threaded hole, #2-56 UNF

WIRING OPTIONS:

XX See wiring codes, Page NA-2

WIRING OPTIONS:

XX See wiring codes, Page NA-2

* 5/64" hex key

Recommended torque value 2.0 inch-lbs. max.

Ball end hex wrench not recommended

Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

5/64" hex L-key long arm wrench - order AirBorn p/n CDG14179.

☒ = Option not RoHS compliant



Performance - Rear Panel Mount Reference M32139

AirBorn "N" Series meets or exceeds M32139 Performance Specifications

Contact Rating:	1-amperes maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Operating Temperature:	-55° C to +125° C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-31, Condition A (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce minimum, with maximum diameter test sleeve
Crimp Strength:	1 pound minimum tensile strength

2 • ROW

Rear Panel Mount

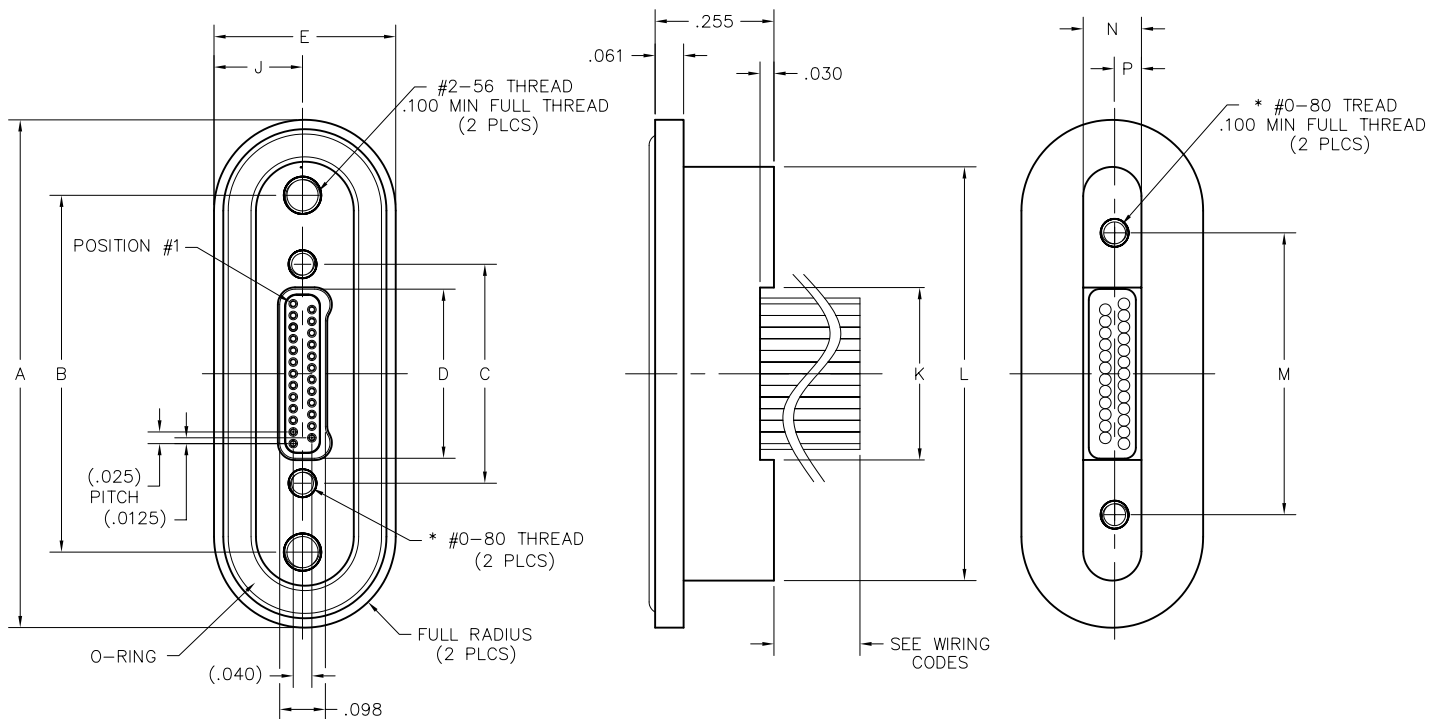
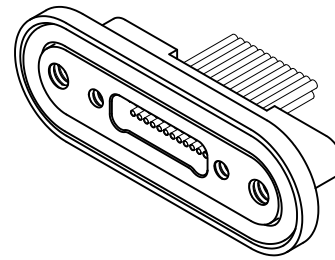
I/O

.025"

NMRP

9 thru 85 Contacts

NMRP-224-025-261-TH00
(METAL)



RECEPTACLE

DIMENSIONS											
SIZE	A	B	C	D	E	J	K	L	M	N	P
9	.890	.566	.270	.163	.390	.190	.170	.688	.405	.125	.0575
15	.965	.641	.345	.238			.245	.763	.480		
21	1.040	.716	.420	.313			.320	.838	.555		
25	1.090	.766	.470	.363			.370	.888	.605		
31	1.165	.841	.545	.438			.445	.963	.680		
37	1.240	.916	.620	.513			.520	1.038	.755		
51	1.415	1.091	.795	.688			.695	1.213	.930		
65	1.590	1.266	.970	.863			.870	1.388	1.105		
69	1.640	1.316	1.020	.913	.415	.2025	.920	1.438	1.155	.150	.0700
85	1.892	1.568	1.246	1.113			1.120	1.690	1.407		

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NMRP-224-025-261-TH00
XXXX-XXX-XXX-XXX-XXXX-XXX

SERIES

NMRP .025" Metal I/O Connector

BODY

2 2-Row

BODY STYLE:

2 Receptacle, straight, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:

4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

26 Socket, straight, crimped wire

PLATING OPTIONS:

1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:

TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:

XX See wiring codes, Page NA-2

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

* = #2-56 UNC thread on 85 position connectors

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)

Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

2 • ROW

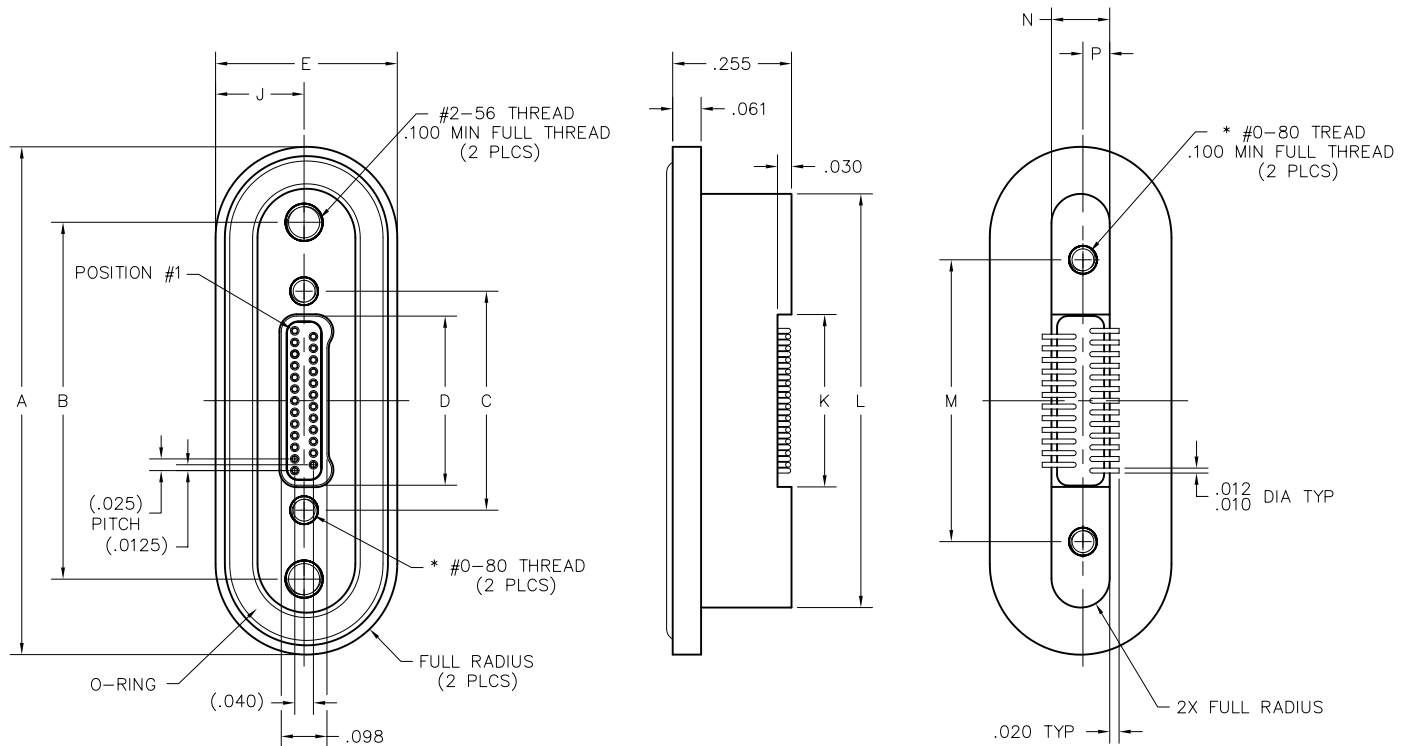
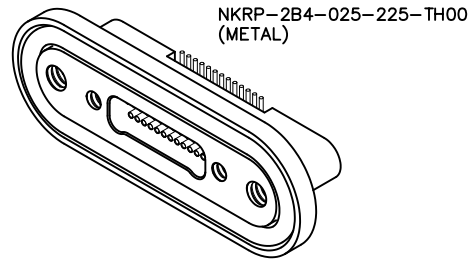
Rear Panel Mount

Vertical SMT

.025"

NKRP

9 thru 85 Contacts



RECEPTACLE

DIMENSIONS											
SIZE	A	B	C	D	E	J	K	L	M	N	P
9	.890	.566	.270	.163	.390	.190	.170	.688	.405	.125	.0575
15	.965	.641	.345	.238			.245	.763	.480		
21	1.040	.716	.420	.313			.320	.838	.555		
25	1.090	.766	.470	.363			.370	.888	.605		
31	1.165	.841	.545	.438			.445	.963	.680		
37	1.240	.916	.620	.513			.520	1.038	.755		
51	1.415	1.091	.795	.688			.695	1.213	.930		
65	1.590	1.266	.970	.863			.870	1.388	1.105		
69	1.640	1.316	1.020	.913	.415	.2025	.920	1.438	1.155	.150	.0700
85	1.892	1.568	1.246	1.113			1.120	1.690	1.407		

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NKRP-2B4-025-225-TH00
XXXX-XXX-XXX-XXX-XXXX-XXX

SERIES

NKRP .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

B Receptacle, vertical SMT, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:

4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

22 Socket, SMT

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:

00 None

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

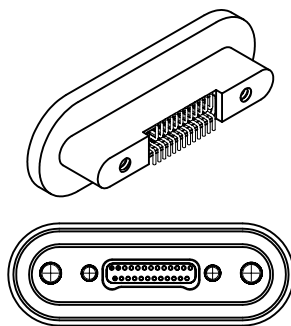
* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

☒ = Option not RoHS compliant

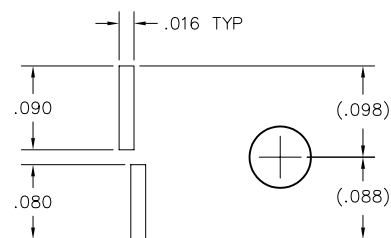


Recommended PC Board Layout

Vertical SMT Rcpt
FOR REFERENCE ONLY

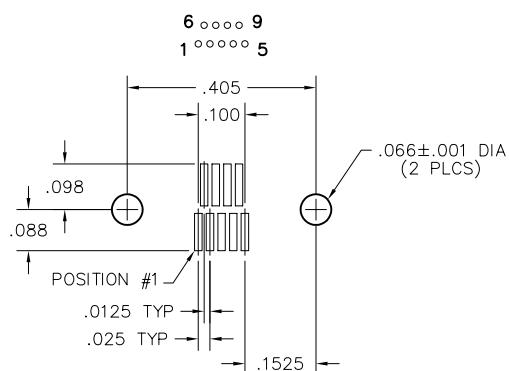


CONNECTOR MATING FACE

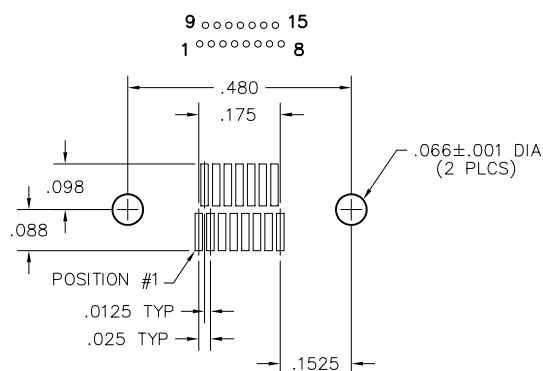


FOOTPRINT / PAD CONFIGURATION

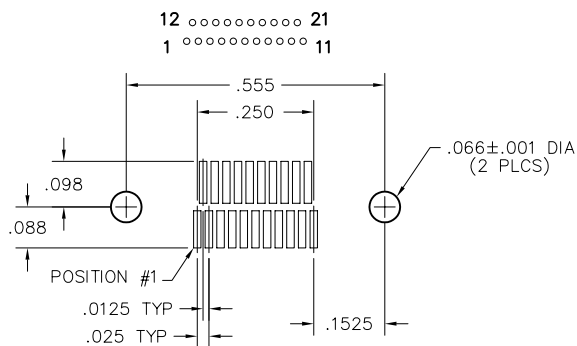
9 POSITION



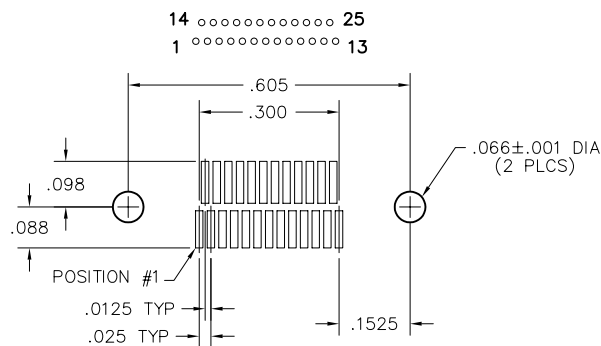
15 POSITION



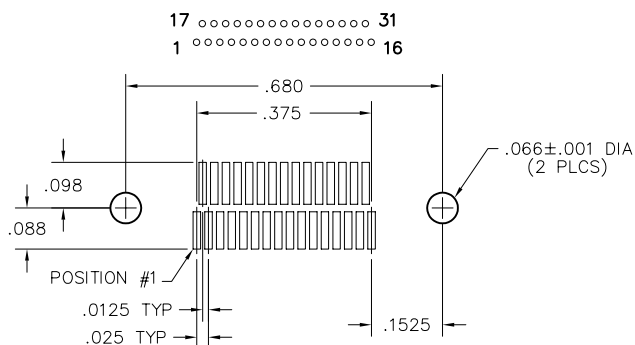
21 POSITION



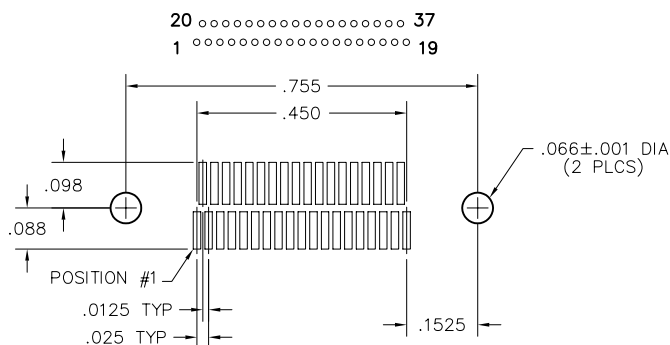
25 POSITION

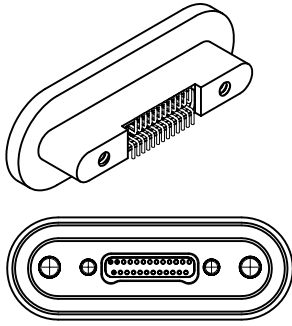


31 POSITION

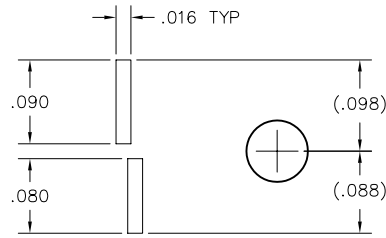


37 POSITION





CONNECTOR MATING FACE



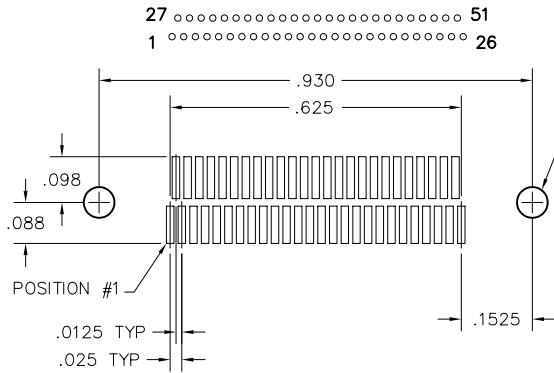
FOOTPRINT / PAD CONFIGURATION



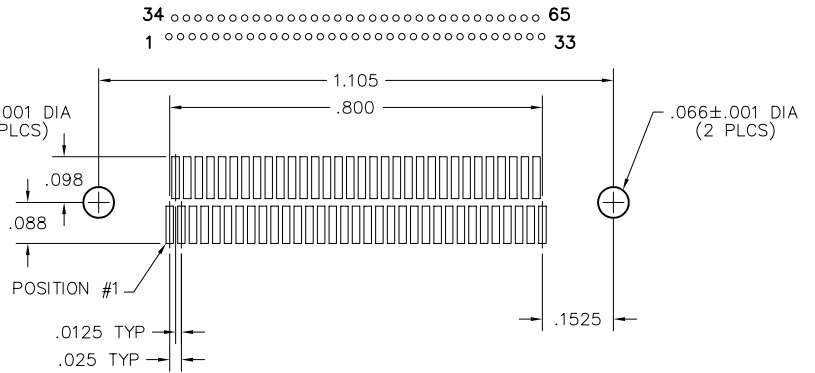
Recommended PC Board Layout

Vertical SMT Rcpt
FOR REFERENCE ONLY

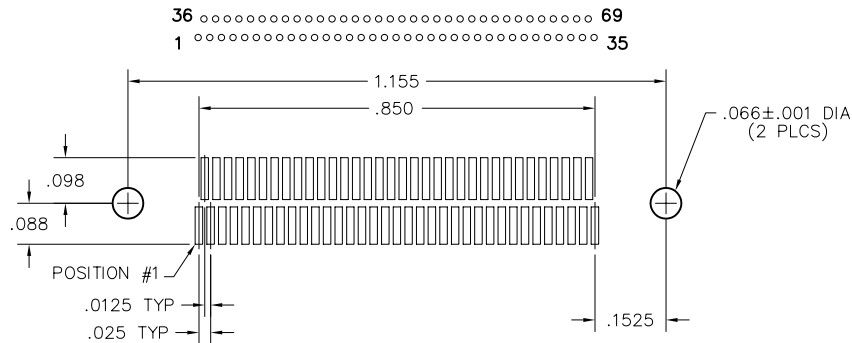
51 POSITION



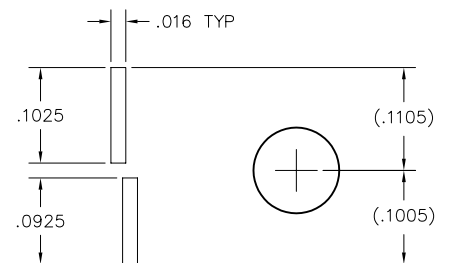
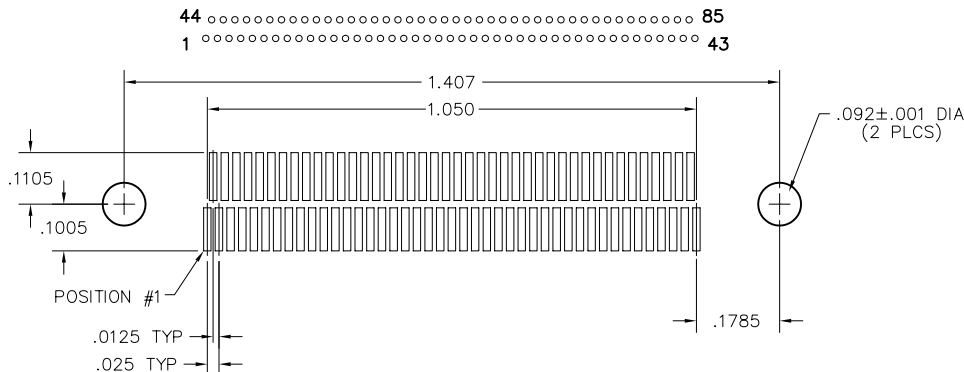
65 POSITION



69 POSITION



85 POSITION



FOOTPRINT / PAD CONFIGURATION

2 • ROW

Rear Panel Mount

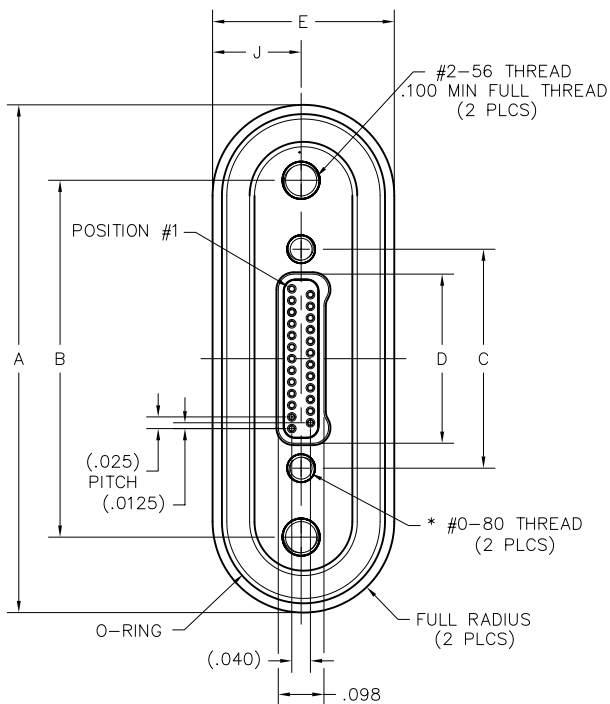
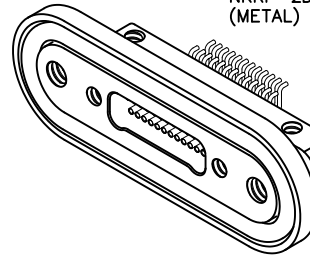
Horizontal SMT

.025"

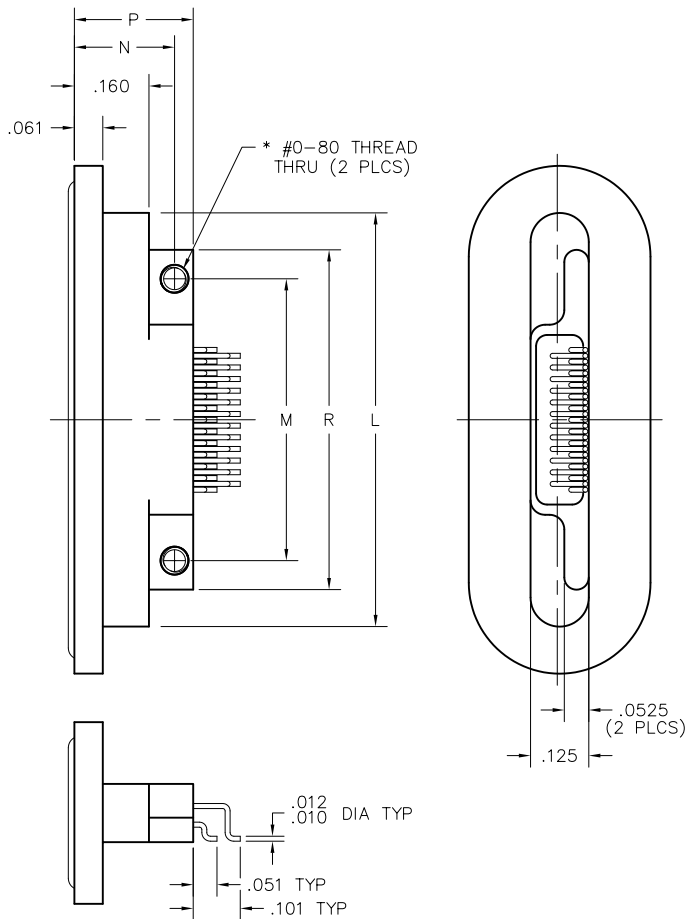
NKRP

9 thru 85 Contacts

NKRP-2D4-025-225-TH00
(METAL)



RECEPTACLE



DIMENSIONS											
SIZE	A	B	C	D	E	J	L	M	N	P	R
9	.890	.566	.270	.163	.390	.190	.688	.405	.215	.255	.531
15	.965	.641	.345	.238			.763	.480			.606
21	1.040	.716	.420	.313			.838	.555			.681
25	1.090	.766	.470	.363			.888	.605			.731
31	1.165	.841	.545	.438			.963	.680			.806
37	1.240	.916	.620	.513			1.038	.755			.881
51	1.415	1.091	.795	.688			1.213	.930			1.056
65	1.590	1.266	.970	.863			1.388	1.105			1.231
69	1.640	1.316	1.020	.913	.415	.2025	1.438	1.155	.244	.300	1.281
85	1.892	1.568	1.246	1.113			1.690	1.407			1.533

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NKRP-2D4-025-225-TH00
XXXX-XXX-XXX-XXX-XXXX-XXX

SERIES

NKRP .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:

D Receptacle, horizontal SMT, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:

4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

22 Socket, SMT

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:

00 None

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

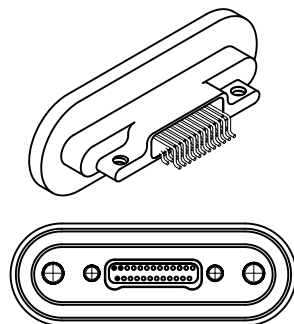
☒ = Option not RoHS compliant



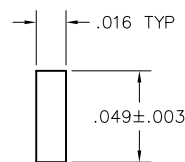
Recommended PC Board Layout

Horizontal SMT Rcpt
FOR REFERENCE ONLY

No solder mask allowed
within connector outline



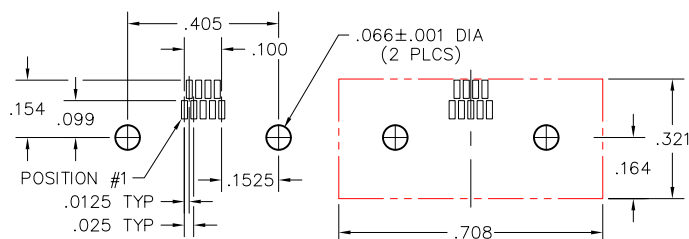
CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION

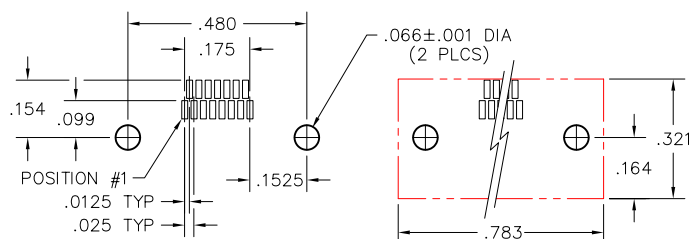
9 POSITION

9 0000 6
5 0000 1



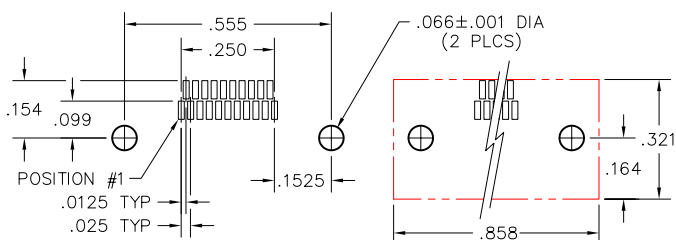
15 POSITION

15 000000 9
8 000000 1



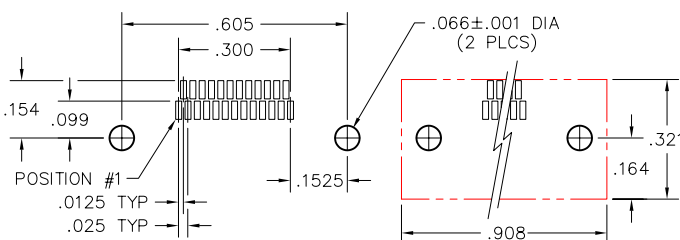
21 POSITION

21 00000000 12
11 00000000 1



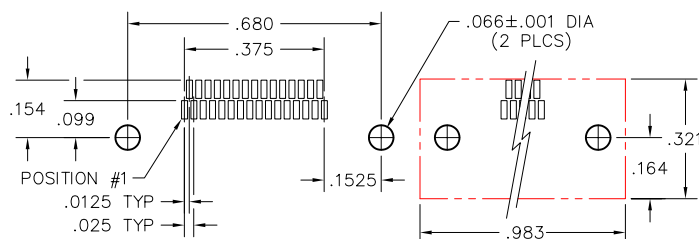
25 POSITION

25 0000000000 14
13 0000000000 1



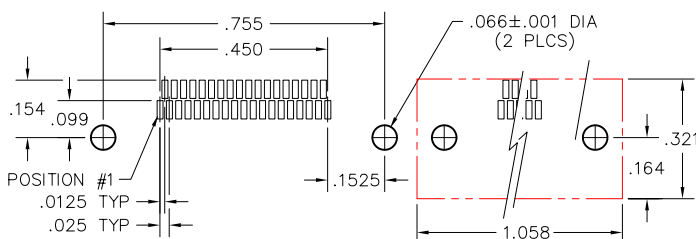
31 POSITION

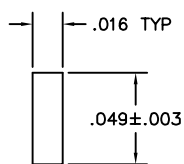
31 000000000000 17
16 000000000000 1



37 POSITION

37 00000000000000 20
19 00000000000000 1



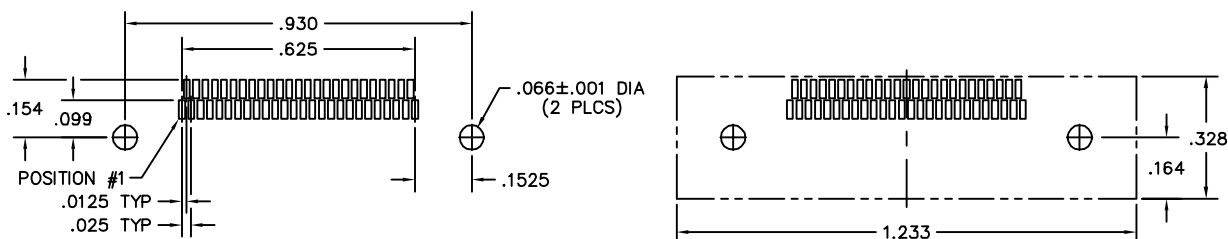


Horizontal SMT Rcpt
FOR REFERENCE ONLY

No solder mask allowed within connector outline

FOOTPRINT / PAD CONFIGURATION

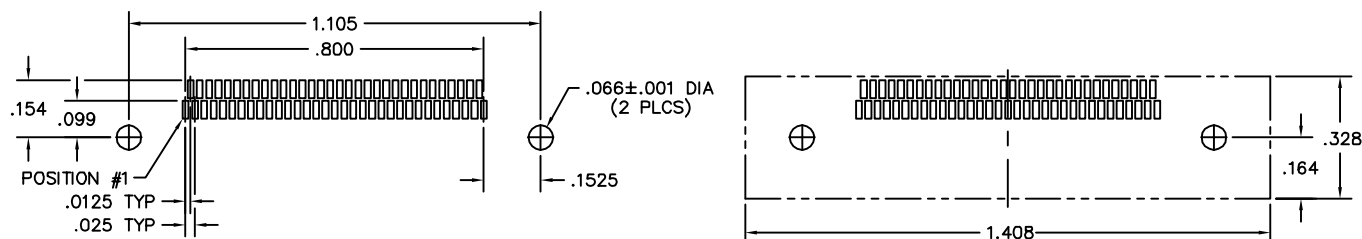
51 oooooooooooooooooooooooooooooooooooooo 27
26 oooooooooooooooooooooooooooooooooooooo 1



```

65 ooooooooooooooooooooooooooooooooooooooooooooo 34
33 ooooooooooooooooooooooooooooooooooooooooooooo 1

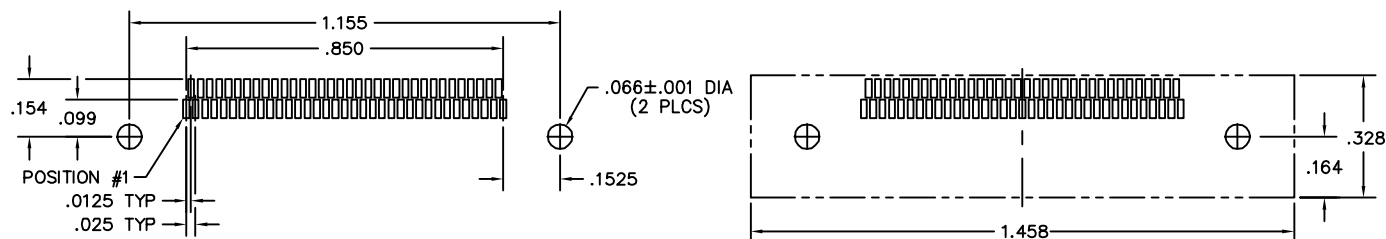
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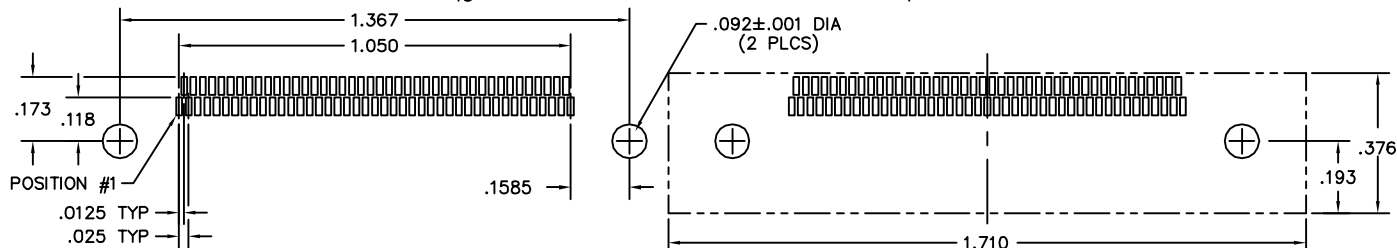
```

69 oooooooooooooooooooooooooooooooooooooooooooooo 36
35 oooooooooooooooooooooooooooooooooooooooooooooo 1

```



85 ○○ 44
43 ○○ 1



2 • ROW

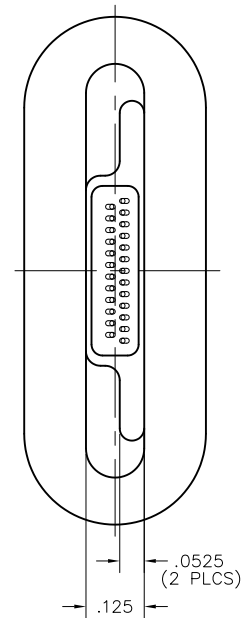
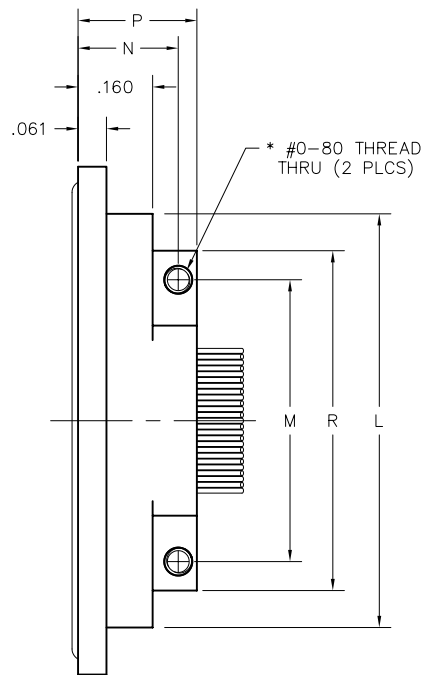
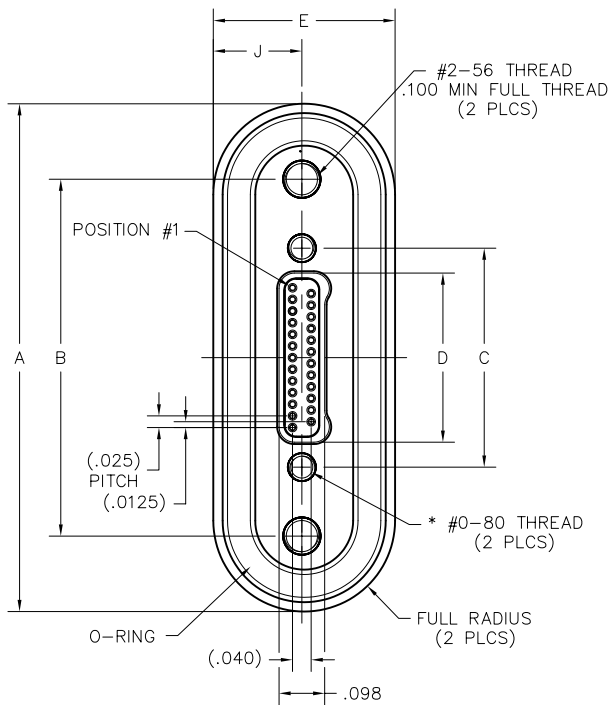
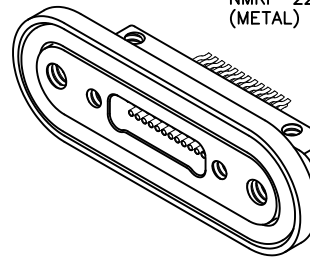
Rear Panel Mount Straddle Mount

.025"

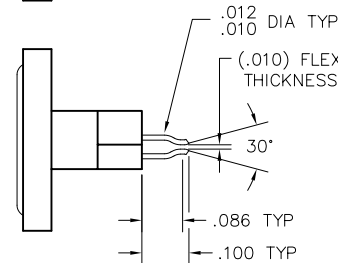
NMRP

9 thru 85 Contacts

NMRP-224-025-225-TH00
(METAL)



RECEPTACLE



DIMENSIONS											
SIZE	A	B	C	D	E	J	L	M	N	P	R
9	.890	.566	.270	.163	.390	.190	.688	.405	.215	.255	.531
15	.965	.641	.345	.238			.763	.480			.606
21	1.040	.716	.420	.313			.838	.555			.681
25	1.090	.766	.470	.363			.888	.605			.731
31	1.165	.841	.545	.438			.963	.680			.806
37	1.240	.916	.620	.513			1.038	.755			.881
51	1.415	1.091	.795	.688			1.213	.930			1.056
65	1.590	1.266	.970	.863			1.388	1.105			1.231
69	1.640	1.316	1.020	.913	.415	.2025	1.438	1.155	.244	.300	1.281
85	1.892	1.568	1.246	1.113			1.690	1.367			1.533

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NMRP-224-025-225-TH00
XXXX-XXX-XXX-XXX-XXXX-XXX

SERIES

NMRP .025" Metal Straddle Mount Flex Connector

BODY

2 2-Row

BODY STYLE:

2 Receptacle, straight, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:

4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

22 Socket, SMT

PLATING OPTIONS:

5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:

00 None

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

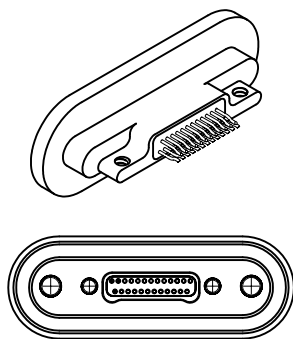
* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

☒ = Option not RoHS compliant

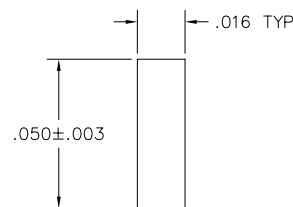


Recommended PC Board Layout

Straddle Mount Rcpt
FOR REFERENCE ONLY

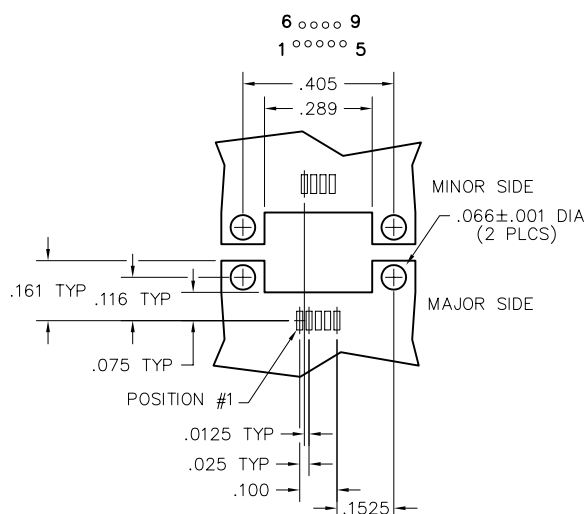


CONNECTOR MATING FACE

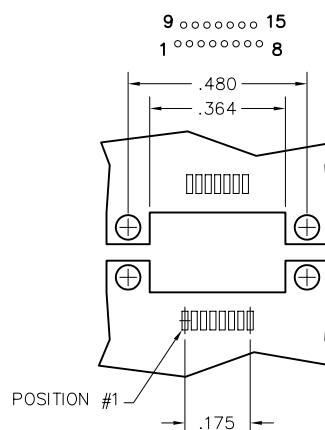


FOOTPRINT / PAD CONFIGURATION

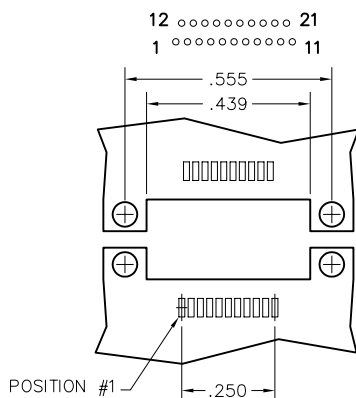
9 POSITION



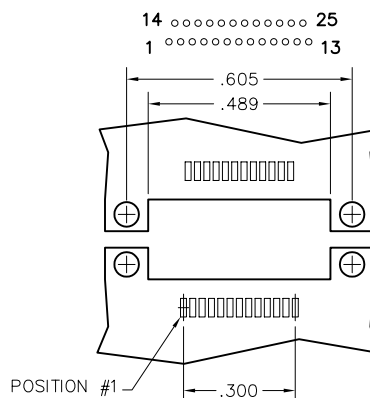
15 POSITION



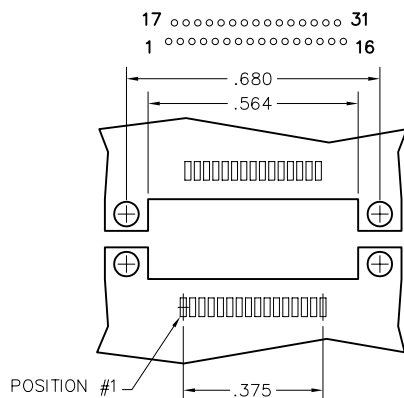
21 POSITION



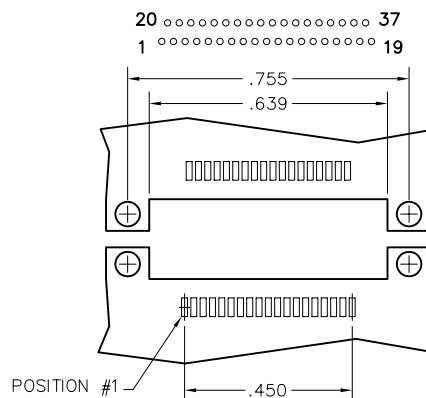
25 POSITION

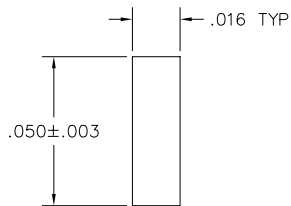
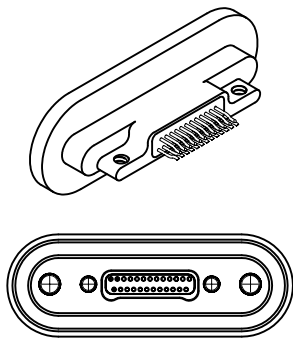


31 POSITION



37 POSITION





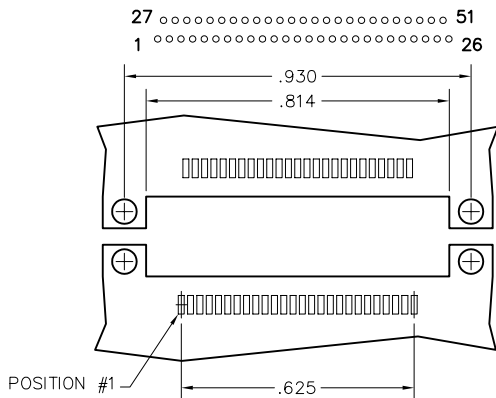
Recommended PC Board Layout

Straddle Mount Rcpt
FOR REFERENCE ONLY

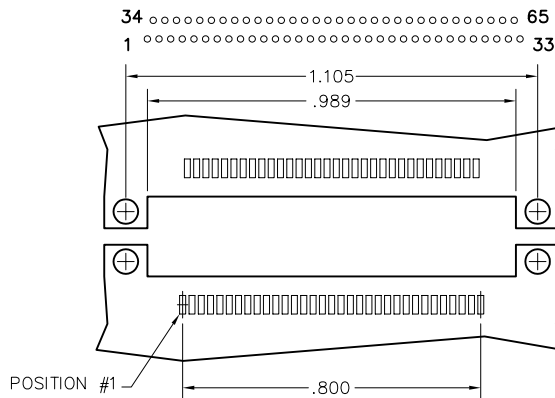
FOOTPRINT / PAD CONFIGURATION

CONNECTOR MATING FACE

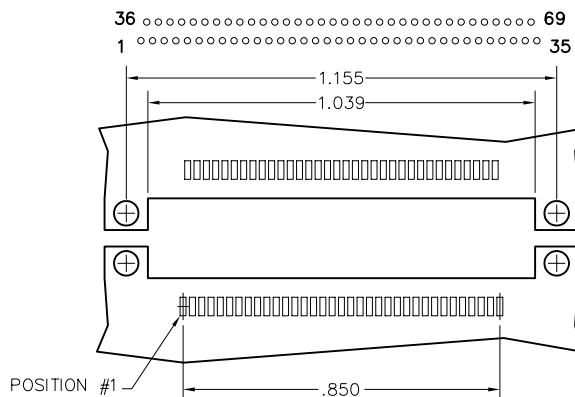
51 POSITION



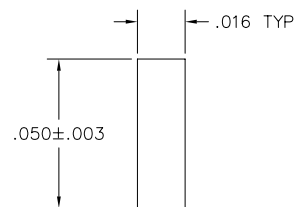
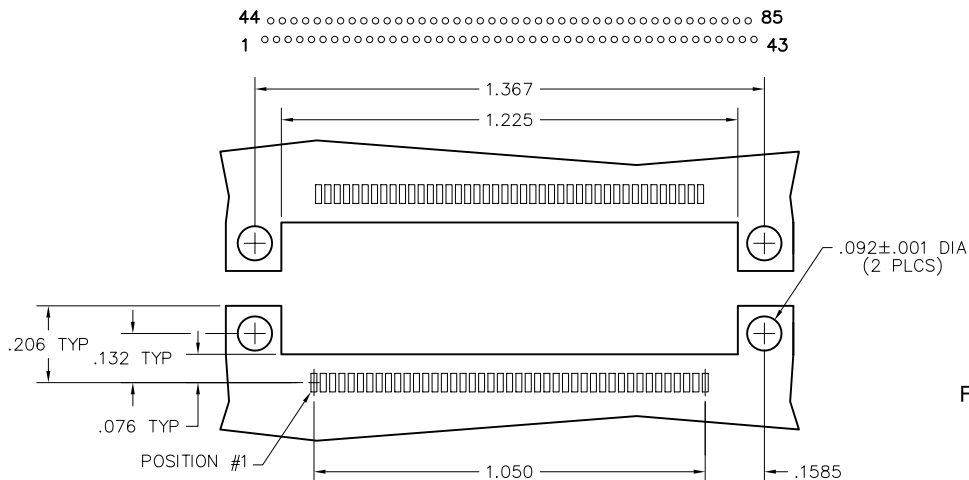
65 POSITION



69 POSITION



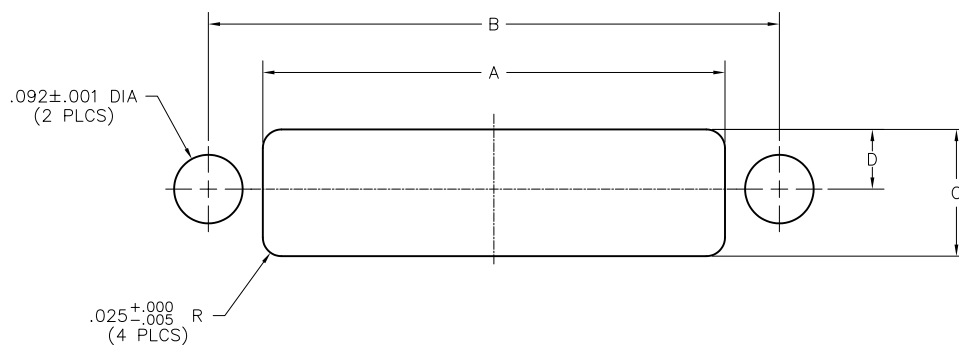
85 POSITION



FOOTPRINT / PAD CONFIGURATION



Panel Mounting Dimensions for Rear Panel Mount Connectors



DIMENSIONS				
SIZE	A +.004 -.000	B ±.002	C +.004 -.000	D ±.001
9	.420	.566	.170	.080
15	.495	.641	.170	.080
21	.570	.716	.170	.080
25	.620	.766	.170	.080
31	.695	.841	.170	.080
37	.770	.916	.170	.080
51	.945	1.091	.170	.080
65	1.120	1.266	.170	.080
69	1.170	1.316	.170	.080
85	1.422	1.568	.195	.0925

Performance - Circular Connectors

Reference M32139

AirBorn "N" Series Circular meets or exceeds M32139 Performance Specifications

Contact Rating:	1-amperes maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Operating Temperature:	-55° C to +125° C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-31, Condition B (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I (except step 3, temperature shall be 125° C)
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce minimum, with maximum diameter test sleeve
Crimp Strength:	1 pound minimum tensile strength



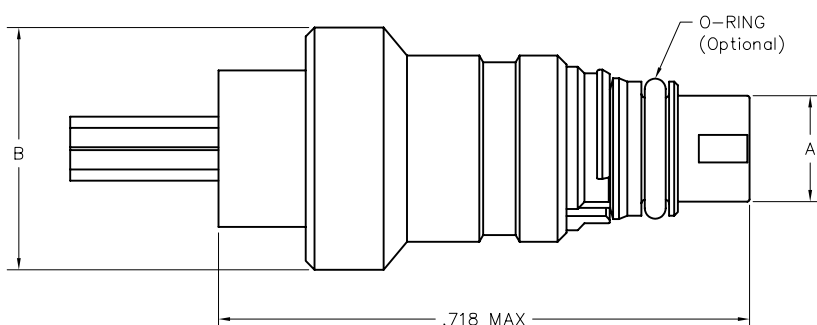
NC-141-007-261-00AC

Circular Cable Connectors with Quick Release

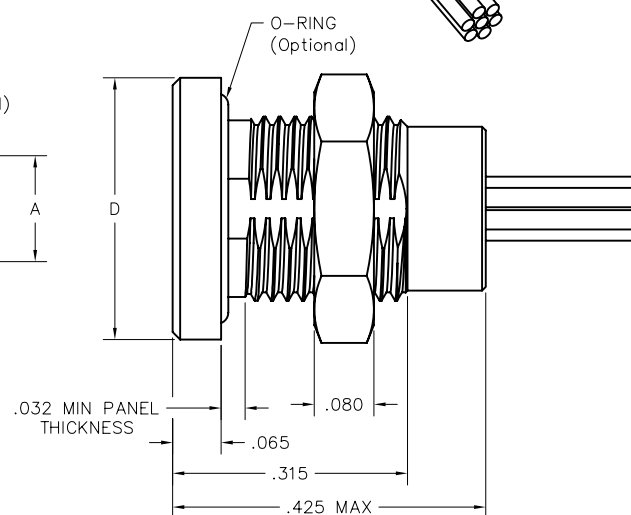
NC

7 & 19 Contacts

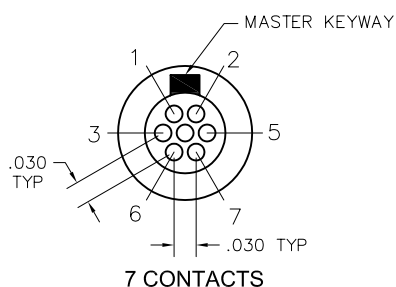
NC-131-007-161-00AC



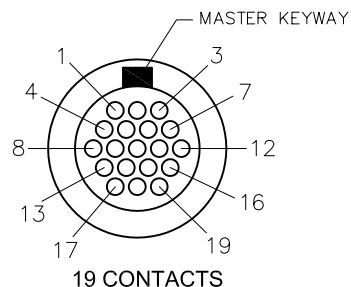
**PLUG
QUICK RELEASE
(Socket Contacts)**
Mates with Front and Rear Panel Receptacles



**RECEPTACLE
FRONT PANEL MOUNT
(Pin Contacts)**



7 CONTACTS



19 CONTACTS

Contact Arrangements

Face view, receptacle (Pin Contacts)

Cavity identification numbers are for reference and do not appear on connector.

PLUG DIMENSIONS			
MOUNT	SIZE	A MAX DIA	B MAX DIA
QUICK RELEASE	7 POS	.145	.330
	19 POS	.205	.326

RECEPTACLE DIMENSIONS			
MOUNT	SIZE	D MAX DIA	E THREAD
FRONT PANEL	7 POS	.356	.25-48 UNS-2A
	19 POS	.419	.3125-48 UNS-2A

Call (972) 931-3200 · Fax (972) 931-9305 · www.AirBorn.com

PLUG: NC-131-007-161-00AC
RECEPTACLE: NC-141-007-261-00AC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NC Circular Connector

NC Circular Connector

BODY

- 1 7 Position Shell
- 2 19 Position Shell

- 1 7 Position Shell
- 2 19 Position Shell

BODY STYLE:

- 1 Quick Release
- 3 Quick Release with o-ring

BODY STYLE:

- 2 Front Mount
- 4 Front Mount with o-ring
- 6 Rear Mount
- 8 Rear Mount with o-ring

BODY MATERIAL:

- 1 Liquid Crystal Polymer Insulator
Brass shell with Electroless nickel plating

BODY MATERIAL:

- 1 Liquid Crystal Polymer Insulator
Brass shell with Electroless nickel plating

SIZE

XXX Number of contacts (007 & 019)

XXX Number of contacts (007 & 019)

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 14 Socket, straight, .500" (.010 dia.)
- 16 Socket, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:

- 24 Pin, straight, .500" (.010 dia.)
- 26 Pin, straight, crimped wire

PLATING OPTIONS:

- 1 50 u" Au contacts (crimped wire)
- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
- 8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:

- 1 50 u" Au contacts (crimped wire)
- 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
- 8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:

- 00 None

STYLE OF HARDWARE:

- 00 Jam nut

WIRING OPTIONS:

- 00 None
- XX See wiring codes, Page NA-2

WIRING OPTIONS:

- 00 None
- XX See wiring codes, Page NA-2

☒ = Option not RoHS compliant

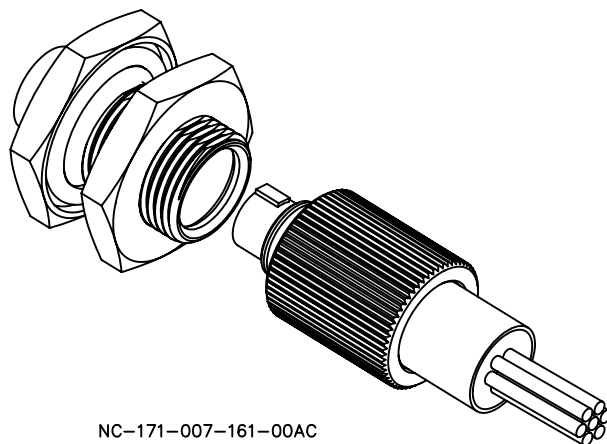


NC-181-007-261-00AC

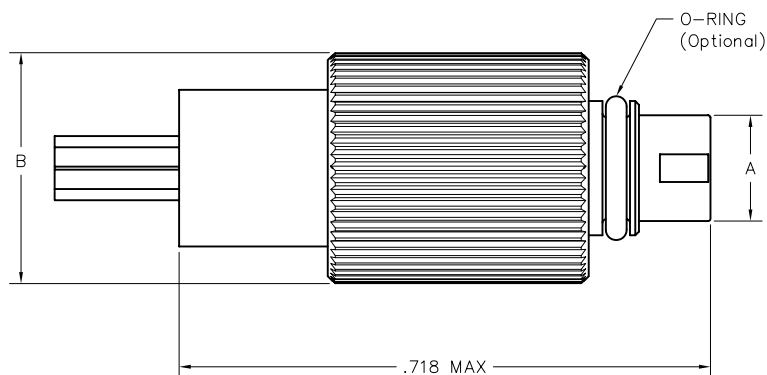
Circular Cable Connectors with Threaded Coupling

NC

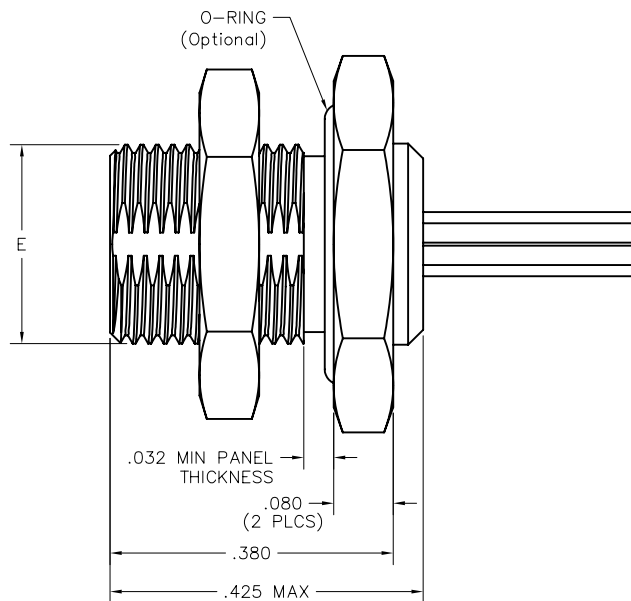
7 & 19 Contacts



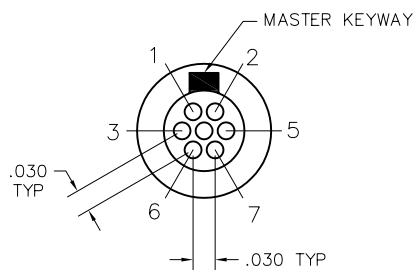
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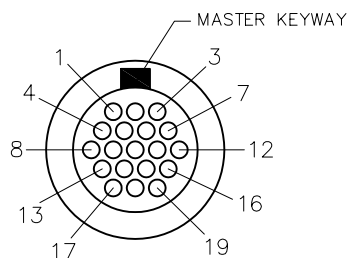
**PLUG
THREADED COUPLING
(Socket Contacts)**
Mates with Rear Panel
Receptacle Only



**RECEPTACLE
REAR PANEL MOUNT
(Pin Contacts)**



7 CONTACTS



19 CONTACTS

Contact Arrangements

Face view, receptacle (Pin Contacts)

Cavity identification numbers are for reference and do not appear on connector.

DIMENSIONS (PLUG)			
MOUNT	SIZE	A MAX DIA	B MAX DIA
THREADED COUPLING	7 POS	.145	.315
	19 POS	.205	.374

DIMENSIONS (RECEPTACLE)		
MOUNT	SIZE	E THREAD
REAR PANEL	7 POS	.270-48 UNS-2A
	19 POS	.3281-48 UNS-2A

Call (972) 931-3200 · Fax (972) 931-9305 · www.AirBorn.com

PLUG: NC-171-007-161-00AC
RECEPTACLE: NC-181-007-261-00AC
 XX-XXX-XXX-XXX-XXXX

PLUG

RECEPTACLE

SERIES

NC Circular Connector

NC Circular Connector

BODY

1 7 Position Shell
 2 19 Position Shell

1 7 Position Shell
 2 19 Position Shell

BODY STYLE:
 5 Threaded Coupling
 7 Threaded Coupling with o-ring

BODY STYLE:
 6 Rear Mount
 8 Rear Mount with o-ring

BODY MATERIAL:
 1 Liquid Crystal Polymer Insulator
 Brass shell with Electroless nickel plating

BODY MATERIAL:
 1 Liquid Crystal Polymer Insulator
 Brass shell with Electroless nickel plating

SIZE

XXX Number of contacts (007 & 019)

XXX Number of contacts (007 & 019)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
 14 Socket, straight, .500" (.010 dia.)
 16 Socket, straight, crimped wire

TYPE CONTACTS/TERMINATIONS:
 24 Pin, straight, .500" (.010 dia.)
 26 Pin, straight, crimped wire

PLATING OPTIONS:
 1 50 u" Au contacts (crimped wire)
 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
 8 50 u" Au contacts; Tin plated terminations

PLATING OPTIONS:
 1 50 u" Au contacts (crimped wire)
 5 50 u" Au contacts; Sn/Pb alloy terminations ☒
 8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
 00 None

STYLE OF HARDWARE:
 00 Jam nut

WIRING OPTIONS:
 00 None
 XX See wiring codes, Page NA-2

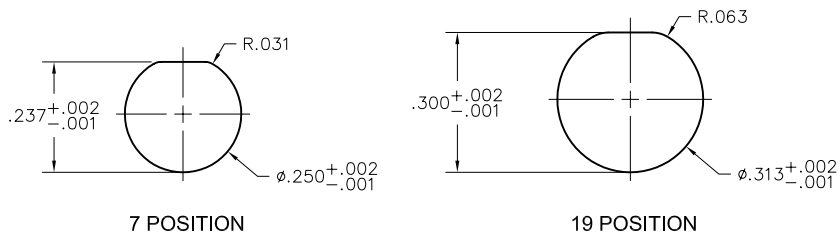
WIRING OPTIONS:
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 XX See wiring codes, Page NA-2

☒ = Option not RoHS compliant

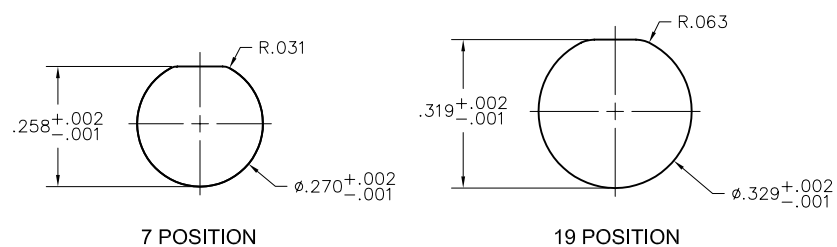


Circular Connectors Panel Mounting Dimensions

FRONT PANEL MOUNT



REAR PANEL MOUNT



"N" SERIES ACCESSORIES

AirBorn Standard Nano Wire Codes

Wire Code	Wire Size	Wire Spec	Wire Color	Wire Length (+1.0"/-0.0")
AA	30 AWG	NEMA HP3	Color Coded *	6.0
AB	30 AWG	NEMA HP3	Color Coded *	12.0
AC	30 AWG	NEMA HP3	Color Coded *	18.0
AD	30 AWG	NEMA HP3	Color Coded *	36.0
AE	30 AWG	NEMA HP3	White	6.0
AF	30 AWG	NEMA HP3	White	12.0
AG	30 AWG	NEMA HP3	White	18.0
AH	30 AWG	NEMA HP3	White	36.0
AJ	30 AWG	NEMA HP3	Yellow	6.0
AK	30 AWG	NEMA HP3	Yellow	12.0
AL	30 AWG	NEMA HP3	Yellow	18.0
AM	30 AWG	NEMA HP3	Yellow	36.0
AN	32 AWG	NEMA HP3	Color Coded *	6.0
AP	32 AWG	NEMA HP3	Color Coded *	12.0
AQ	32 AWG	NEMA HP3	Color Coded *	18.0
AR	32 AWG	NEMA HP3	Color Coded *	36.0
AS	32 AWG	NEMA HP3	White	6.0
AT	32 AWG	NEMA HP3	White	12.0
AU	32 AWG	NEMA HP3	White	18.0
AV	32 AWG	NEMA HP3	White	36.0
AW	32 AWG	NEMA HP3	Yellow	6.0
AX	32 AWG	NEMA HP3	Yellow	12.0
AY	32 AWG	NEMA HP3	Yellow	18.0
AZ	32 AWG	NEMA HP3	Yellow	36.0
BA	30 AWG	SAE-AS22759/33 ☒	Color Coded *	6.0
BB	30 AWG	SAE-AS22759/33 ☒	Color Coded *	12.0
BC	30 AWG	SAE-AS22759/33 ☒	Color Coded *	18.0
BD	30 AWG	SAE-AS22759/33 ☒	Color Coded *	36.0
BE	30 AWG	SAE-AS22759/33 ☒	White	6.0
BF	30 AWG	SAE-AS22759/33 ☒	White	12.0
BG	30 AWG	SAE-AS22759/33 ☒	White	18.0
BH	30 AWG	SAE-AS22759/33 ☒	White	36.0
CA	30 AWG	04047-30A ☒	Color Coded *	6.0
CB	30 AWG	04047-30A ☒	Color Coded *	12.0
CC	30 AWG	04047-30A ☒	Color Coded *	18.0
CD	30 AWG	04047-30A ☒	Color Coded *	36.0
CE	30 AWG	04047-30A ☒	White	6.0
CF	30 AWG	04047-30A ☒	White	12.0
CG	30 AWG	04047-30A ☒	White	18.0
CH	30 AWG	04047-30A ☒	White	36.0

- NEMA HP3 has replaced MIL-W-16878/6 TFE 7-strand ET
- Consult factory for other available wire types.

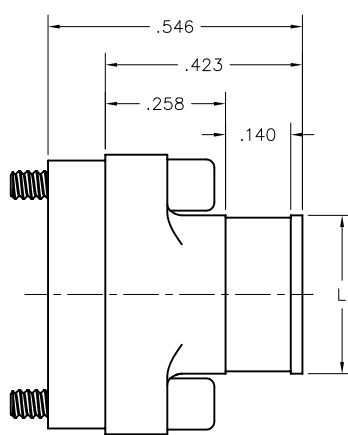
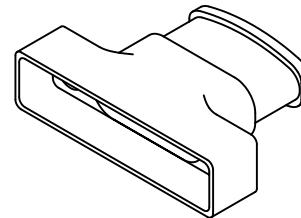
* = Color coding in accordance with MIL-STD-681, System I, except using ten solid colors only in repeating sequence.

☒ = Option not RoHS compliant

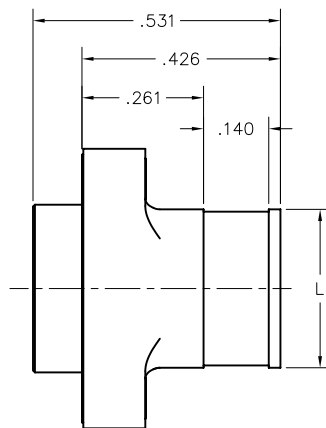
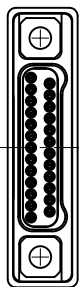
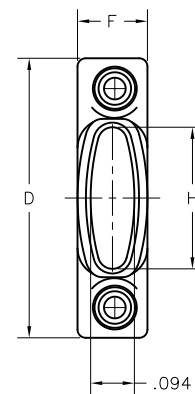
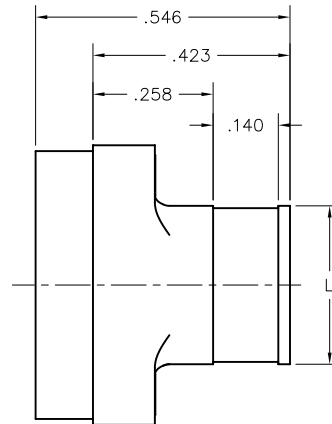
2 · ROW BACKSHELLS

NM

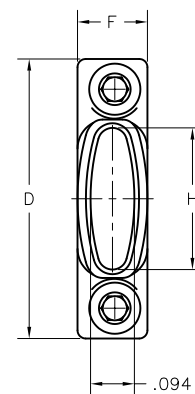
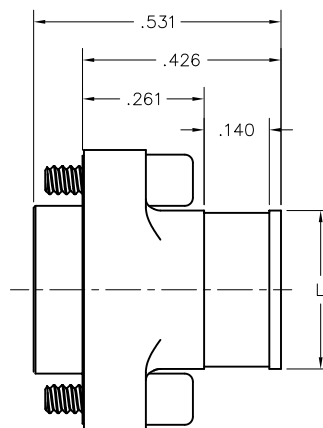
Size 9 thru 91



RECEPTACLE



PLUG



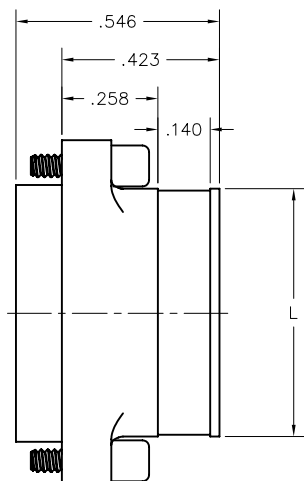
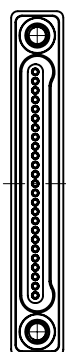
DIMENSIONS					
SIZE	D	F	H	L	HARDWARE
9	.400	.150	.104	.140	#0-80
15	.475		.179	.215	
21	.550		.254	.290	
25	.600		.304	.340	
31	.675		.379	.415	
37	.750		.454	.490	
51	.925		.629	.665	
65	1.100		.804	.840	
69	1.150	.175	.854	.890	#2-56
85	1.402		1.054	1.090	
91	1.477		1.129	1.165	

THESE BACKSHELLS ARE AVAILABLE FACTORY INSTALLED ONLY, SEE PAGE N-38

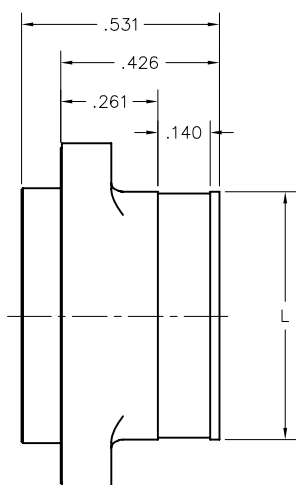
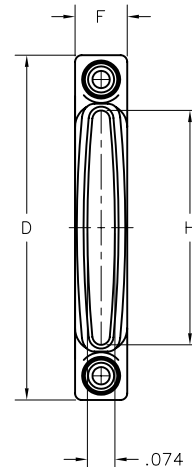
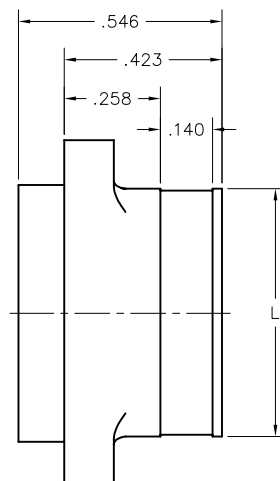
1 • ROW BACKSHELLS

NM

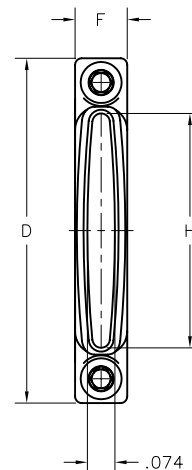
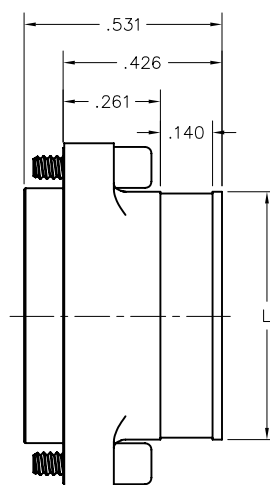
Size 9 thru 51



RECEPTACLE



PLUG



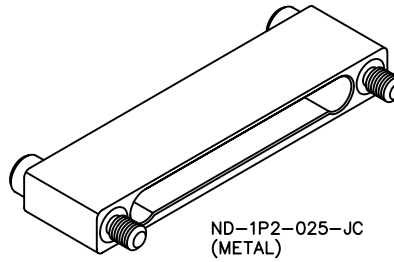
DIMENSIONS					
SIZE	D	F	H	L	HARDWARE
9	.525	.140	.229	.265	#0-80
15	.675		.379	.415	
21	.825		.529	.565	
25	.925		.629	.665	
31	1.075		.779	.815	
37	1.225		.929	.965	
51	1.575		1.279	1.315	

THESE BACKSHELLS ARE AVAILABLE FACTORY INSTALLED ONLY. SEE PAGE N-10

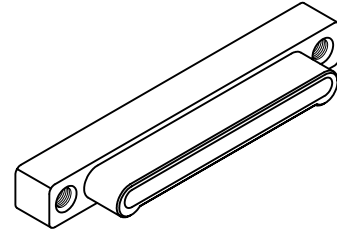
1 • ROW Dust Cover

ND

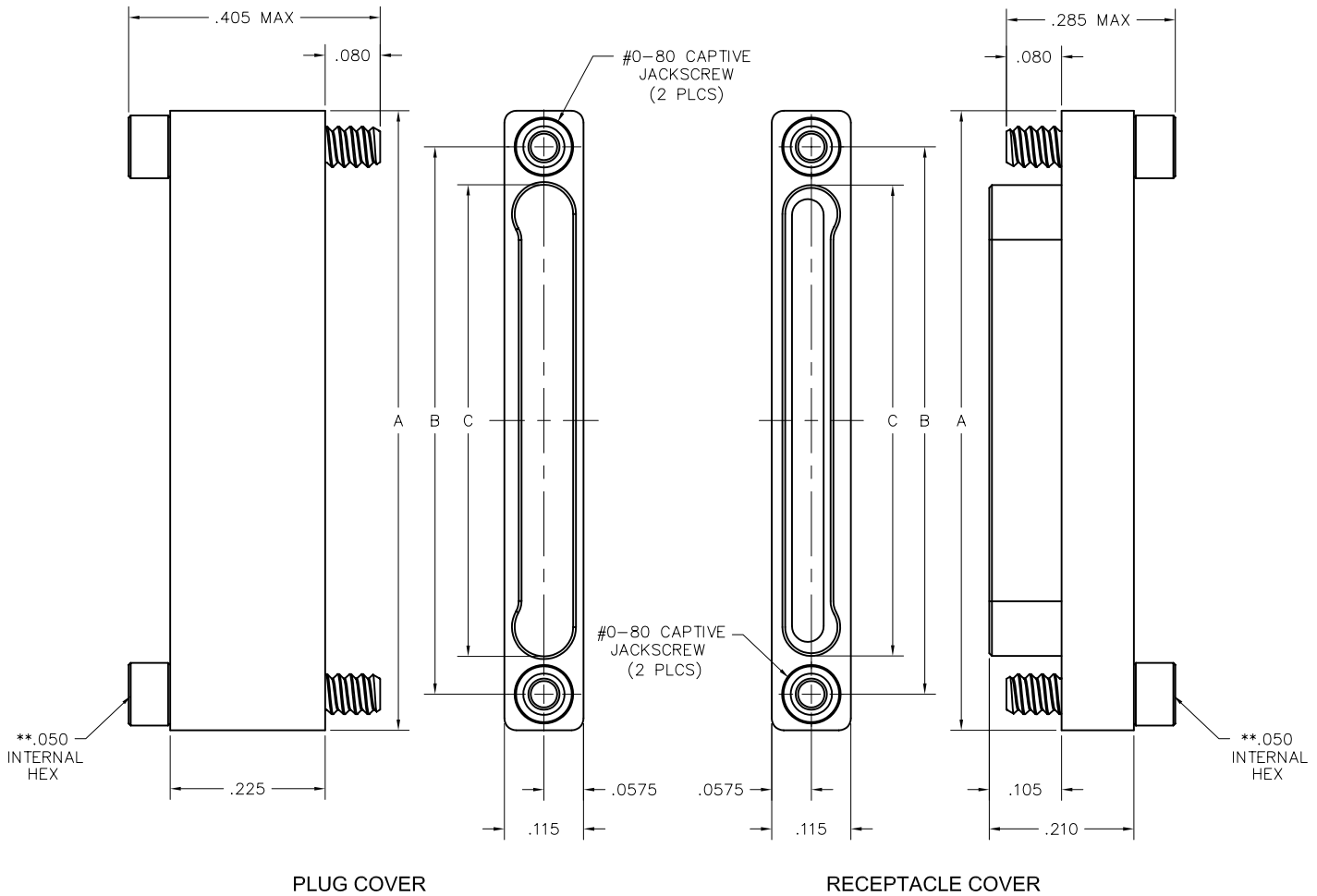
Size 9 thru 51



ND-1P2-025-JC
(METAL)



ND-1R2-025-TH
(METAL)



SIZE	A	B	C	
			PLUG	RCPT
9	.500	.395	.285	.284
15	.650	.545	.435	.434
21	.800	.695	.585	.584
25	.900	.795	.685	.684
31	1.050	.945	.835	.834
37	1.200	1.095	.985	.984
51	1.550	1.445	1.335	1.334

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG COVER: ND-1P2-009-JC
RECEPTACLE COVER: ND-1R2-009-TH
 XX-XXX-XXX-XX

PLUG COVER		RECEPTACLE COVER	
SERIES			
ND .025" Metal Dust Cover		ND .025" Metal Dust Cover	
BODY			
1 1-Row	1 1-Row		
BODY STYLE: P Plug cover		BODY STYLE: R Receptacle cover	
BODY PLATING: 2 Electroless nickel 3 Electrodeposited cadmium ☒		BODY PLATING: 2 Electroless nickel 3 Electrodeposited cadmium ☒	
SIZE			
XXX 009, 015, 021, 025, 031, 037 or 051		XXX 009, 015, 021, 025, 031, 037 or 051	
HARDWARE			
STYLE OF HARDWARE: JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole, #0-80 UNF		STYLE OF HARDWARE: JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole, #0-80 UNF	

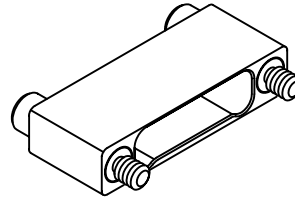
* = Recommended torque value 1.0 inch-lbs. max.
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

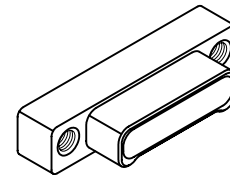
2 · ROW Dust Cover

ND

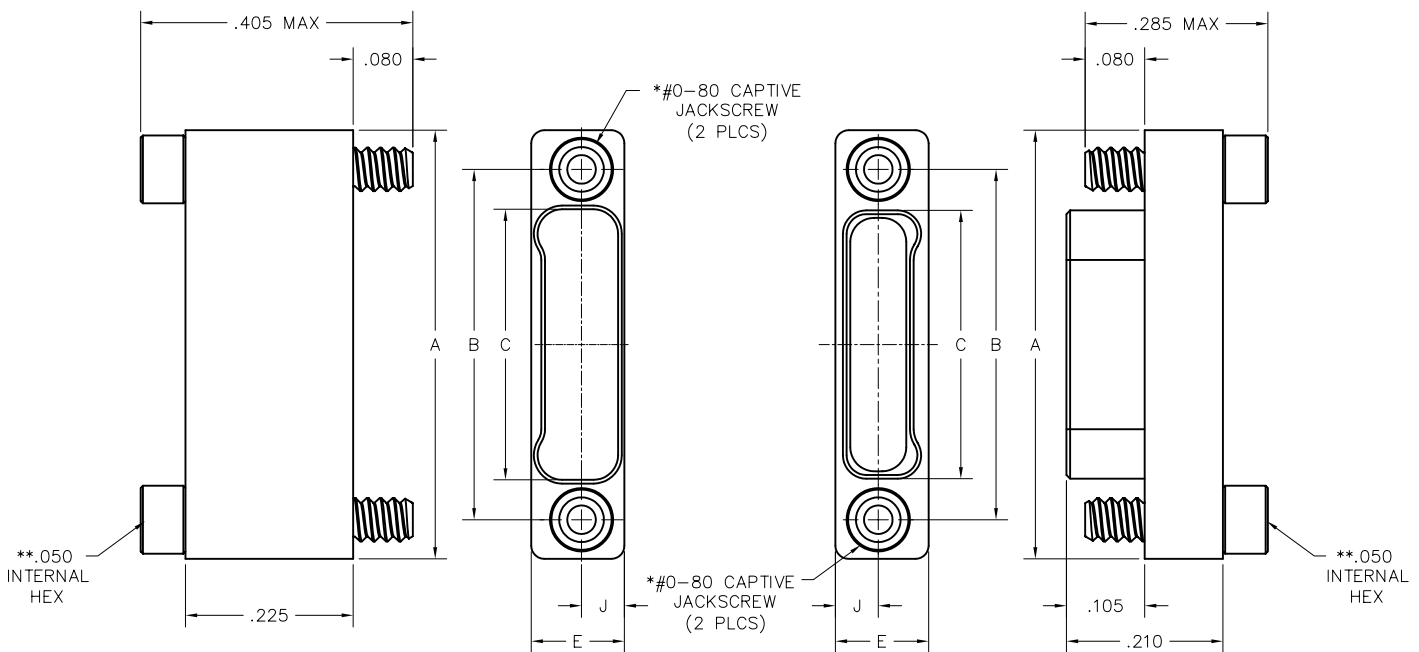
Size 9 thru 85



ND-2P2-025-JC
(METAL)



ND-2R2-025-TH
(METAL)



PLUG COVER

RECEPTACLE COVER

SIZE	A	B	DIMENSIONS		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.163	.160	.125	.0575	#0-80 THREAD
15	.450	.345	.238	.235			
21	.525	.420	.313	.310			
25	.575	.470	.363	.360			
31	.650	.545	.438	.435			
37	.725	.620	.513	.510			
51	.900	.795	.688	.685			
65	1.075	.970	.863	.860			
69	1.125	1.020	.913	.910	.150	.0700	#2-56 THREAD
85	1.377	1.246	1.113	1.110			

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS
 TAKEN ACROSS THE FLATS.

PLUG COVER: ND-2P2-009-JC
RECEPTACLE COVER: ND-2R2-009-TH
 XX-XXX-XXX-XX

PLUG COVER		RECEPTACLE COVER	
SERIES			
ND .025" Metal Dust Cover		ND .025" Metal Dust Cover	
BODY			
2 2-Row		2 2-Row	
BODY STYLE: P Plug cover		BODY STYLE: R Receptacle cover	
BODY PLATING: 2 Electroless nickel 3 Electrodeposited cadmium ☒		BODY PLATING: 2 Electroless nickel 3 Electrodeposited cadmium ☒	
SIZE			
XXX 009, 015, 021, 025, 031, 037, 051, 065, 069 or 085		XXX 009, 015, 021, 025, 031, 037, 051, 065, 069 or 085	
HARDWARE			
STYLE OF HARDWARE: JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole, #0-80 UNF*		STYLE OF HARDWARE: JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole, #0-80 UNF*	

* = #2-56 UNC thread on 85 position covers
 .050 hex key (#0-80 thread)
 1/16" hex key (#2-56 thread)
 Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
 Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
 1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant



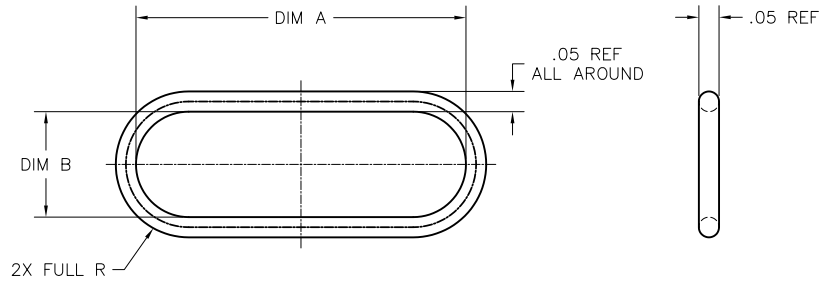
PLUG: NMSH-212-025-125-JC00
RECEPTACLE: NMSH-222-025-225-JC00
XXXX-XXX-XXX-XXX-XXXX-XXX

PLUG		RECEPTACLE	
SERIES			
NMSH .025" Metal I/O Connector		NMSH .025" Metal I/O Connector	
BODY			
2	2-Row	2	2-Row
BODY STYLE:		BODY STYLE:	
1	Plug, straight	2	Receptacle, straight
BODY MATERIAL:		BODY MATERIAL:	
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)		XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
12	Pin, none	22	Socket, none
PLATING OPTIONS:		PLATING OPTIONS:	
5	50 u" Au contacts, Sn/Pb alloy terminations ☒	5	50 u" Au contacts, Sn/Pb alloy terminations ☒
8	50 u" Au contacts, tin plated terminations	8	50 u" Au contacts, tin plated terminations
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
TH	Threaded hole, #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
WIRING OPTIONS:		WIRING OPTIONS:	
00	None, all contacts shorted together (not to shell)	00	None, all contacts shorted together (not to shell)
OPTIONS			
yyy Selectively shorted contacts. Contact factory for modification code.			

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

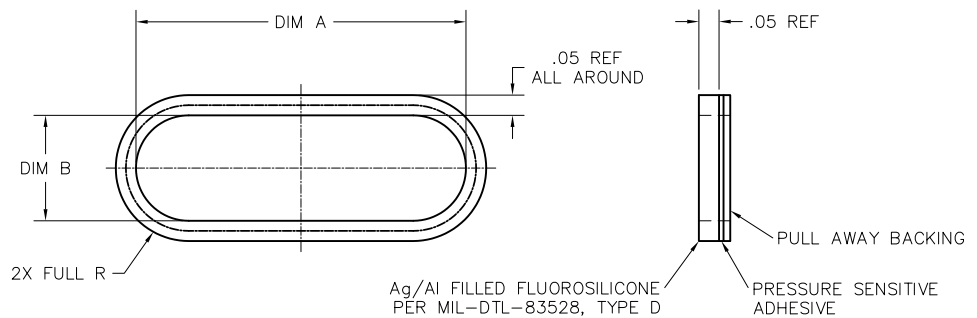
O-Rings, Fluorosilicone



DIMENSIONS (Ref Only)			
SIZE	CONTACT ROWS	A	B
9	2	.73	.23
15		.81	
21		.88	
25		.93	
31		1.01	
37		1.08	
51		1.26	
65		1.43	
69	2	1.48	.26
85		1.73	

PART NUMBERS	
SIZE	P/N
9	CDP1980
15	CDP1981
21	CDP1982
25	CDP1983
31	CDP1984
37	CDP1985
51	CDP1986
65	CDP1987
69	CDP1988
85	CDP1989

EMI Gasket, Fluorosilicone



DIMENSIONS (Ref Only)			
SIZE	CONTACT ROWS	A	B
9	2	.74	.24
15		.81	
21		.89	
25		.94	
31		1.01	
37		1.09	
51		1.26	
65		1.44	
69	2	1.49	.26
85		1.74	

PART NUMBERS	
SIZE	P/N
9	CDP1990
15	CDP1991
21	CDP1992
25	CDP1993
31	CDP1994
37	CDP1995
51	CDP1996
65	CDP1997
69	CDP1998
85	CDP1999



Military Cross Reference Chart

M32139/01

M32139/01- A01SC NM-113-009-161-JCAE B01SC NM-113-015-161-JCAE C01SC NM-113-021-161-JCAE D01SC NM-113-025-161-JCAE E01SC NM-113-031-161-JCAE F01SC NM-113-037-161-JCAE G01SC NM-113-051-161-JCAE	M32139/01- A01SN NM-112-009-161-JCAE B01SN NM-112-015-161-JCAE C01SN NM-112-021-161-JCAE D01SN NM-112-025-161-JCAE E01SN NM-112-031-161-JCAE F01SN NM-112-037-161-JCAE G01SN NM-112-051-161-JCAE	M32139/01- A01SS NM-114-009-161-JCAE B01SS NM-114-015-161-JCAE C01SS NM-114-021-161-JCAE D01SS NM-114-025-161-JCAE E01SS NM-114-031-161-JCAE F01SS NM-114-037-161-JCAE G01SS NM-114-051-161-JCAE	M32139/01- A01ST NM-115-009-161-JCAE B01ST NM-115-015-161-JCAE C01ST NM-115-021-161-JCAE D01ST NM-115-025-161-JCAE E01ST NM-115-031-161-JCAE F01ST NM-115-037-161-JCAE G01ST NM-115-051-161-JCAE
M32139/01- A02SC NM-113-009-161-JCAG B02SC NM-113-015-161-JCAG C02SC NM-113-021-161-JCAG D02SC NM-113-025-161-JCAG E02SC NM-113-031-161-JCAG F02SC NM-113-037-161-JCAG G02SC NM-113-051-161-JCAG	M32139/01- A02SN NM-112-009-161-JCAG B02SN NM-112-015-161-JCAG C02SN NM-112-021-161-JCAG D02SN NM-112-025-161-JCAG E02SN NM-112-031-161-JCAG F02SN NM-112-037-161-JCAG G02SN NM-112-051-161-JCAG	M32139/01- A02SS NM-114-009-161-JCAG B02SS NM-114-015-161-JCAG C02SS NM-114-021-161-JCAG D02SS NM-114-025-161-JCAG E02SS NM-114-031-161-JCAG F02SS NM-114-037-161-JCAG G02SS NM-114-051-161-JCAG	M32139/01- A02ST NM-115-009-161-JCAG B02ST NM-115-015-161-JCAG C02ST NM-115-021-161-JCAG D02ST NM-115-025-161-JCAG E02ST NM-115-031-161-JCAG F02ST NM-115-037-161-JCAG G02ST NM-115-051-161-JCAG
M32139/01- A03SC NM-113-009-161-JCAH B03SC NM-113-015-161-JCAH C03SC NM-113-021-161-JCAH D03SC NM-113-025-161-JCAH E03SC NM-113-031-161-JCAH F03SC NM-113-037-161-JCAH G03SC NM-113-051-161-JCAH	M32139/01- A03SN NM-112-009-161-JCAH B03SN NM-112-015-161-JCAH C03SN NM-112-021-161-JCAH D03SN NM-112-025-161-JCAH E03SN NM-112-031-161-JCAH F03SN NM-112-037-161-JCAH G03SN NM-112-051-161-JCAH	M32139/01- A03SS NM-114-009-161-JCAH B03SS NM-114-015-161-JCAH C03SS NM-114-021-161-JCAH D03SS NM-114-025-161-JCAH E03SS NM-114-031-161-JCAH F03SS NM-114-037-161-JCAH G03SS NM-114-051-161-JCAH	M32139/01- A03ST NM-115-009-161-JCAH B03ST NM-115-015-161-JCAH C03ST NM-115-021-161-JCAH D03ST NM-115-025-161-JCAH E03ST NM-115-031-161-JCAH F03ST NM-115-037-161-JCAH G03ST NM-115-051-161-JCAH
M32139/01- A04SC NM-113-009-161-JCAA B04SC NM-113-015-161-JCAA C04SC NM-113-021-161-JCAA D04SC NM-113-025-161-JCAA E04SC NM-113-031-161-JCAA F04SC NM-113-037-161-JCAA G04SC NM-113-051-161-JCAA	M32139/01- A04SN NM-112-009-161-JCAA B04SN NM-112-015-161-JCAA C04SN NM-112-021-161-JCAA D04SN NM-112-025-161-JCAA E04SN NM-112-031-161-JCAA F04SN NM-112-037-161-JCAA G04SN NM-112-051-161-JCAA	M32139/01- A04SS NM-114-009-161-JCAA B04SS NM-114-015-161-JCAA C04SS NM-114-021-161-JCAA D04SS NM-114-025-161-JCAA E04SS NM-114-031-161-JCAA F04SS NM-114-037-161-JCAA G04SS NM-114-051-161-JCAA	M32139/01- A04ST NM-115-009-161-JCAA B04ST NM-115-015-161-JCAA C04ST NM-115-021-161-JCAA D04ST NM-115-025-161-JCAA E04ST NM-115-031-161-JCAA F04ST NM-115-037-161-JCAA G04ST NM-115-051-161-JCAA
M32139/01- A05SC NM-113-009-161-JCAC B05SC NM-113-015-161-JCAC C05SC NM-113-021-161-JCAC D05SC NM-113-025-161-JCAC E05SC NM-113-031-161-JCAC F05SC NM-113-037-161-JCAC G05SC NM-113-051-161-JCAC	M32139/01- A05SN NM-112-009-161-JCAC B05SN NM-112-015-161-JCAC C05SN NM-112-021-161-JCAC D05SN NM-112-025-161-JCAC E05SN NM-112-031-161-JCAC F05SN NM-112-037-161-JCAC G05SN NM-112-051-161-JCAC	M32139/01- A05SS NM-114-009-161-JCAC B05SS NM-114-015-161-JCAC C05SS NM-114-021-161-JCAC D05SS NM-114-025-161-JCAC E05SS NM-114-031-161-JCAC F05SS NM-114-037-161-JCAC G05SS NM-114-051-161-JCAC	M32139/01- A05ST NM-115-009-161-JCAC B05ST NM-115-015-161-JCAC C05ST NM-115-021-161-JCAC D05ST NM-115-025-161-JCAC E05ST NM-115-031-161-JCAC F05ST NM-115-037-161-JCAC G05ST NM-115-051-161-JCAC
M32139/01- A06SC NM-113-009-161-JCAD B06SC NM-113-015-161-JCAD C06SC NM-113-021-161-JCAD D06SC NM-113-025-161-JCAD E06SC NM-113-031-161-JCAD F06SC NM-113-037-161-JCAD G06SC NM-113-051-161-JCAD	M32139/01- A06SN NM-112-009-161-JCAD B06SN NM-112-015-161-JCAD C06SN NM-112-021-161-JCAD D06SN NM-112-025-161-JCAD E06SN NM-112-031-161-JCAD F06SN NM-112-037-161-JCAD G06SN NM-112-051-161-JCAD	M32139/01- A06SS NM-114-009-161-JCAD B06SS NM-114-015-161-JCAD C06SS NM-114-021-161-JCAD D06SS NM-114-025-161-JCAD E06SS NM-114-031-161-JCAD F06SS NM-114-037-161-JCAD G06SS NM-114-051-161-JCAD	M32139/01- A06ST NM-115-009-161-JCAD B06ST NM-115-015-161-JCAD C06ST NM-115-021-161-JCAD D06ST NM-115-025-161-JCAD E06ST NM-115-031-161-JCAD F06ST NM-115-037-161-JCAD G06ST NM-115-051-161-JCAD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/01- A07SC NM-113-009-161-JCBE B07SC NM-113-015-161-JCBE C07SC NM-113-021-161-JCBE D07SC NM-113-025-161-JCBE E07SC NM-113-031-161-JCBE F07SC NM-113-037-161-JCBE G07SC NM-113-051-161-JCBE	M32139/01- A07SN(S) NM-112-009-161-JCBE B07SN(S) NM-112-015-161-JCBE C07SN(S) NM-112-021-161-JCBE D07SN(S) NM-112-025-161-JCBE E07SN(S) NM-112-031-161-JCBE F07SN(S) NM-112-037-161-JCBE G07SN(S) NM-112-051-161-JCBE	M32139/01- A07SS(S) NM-114-009-161-JCBE B07SS(S) NM-114-015-161-JCBE C07SS(S) NM-114-021-161-JCBE D07SS(S) NM-114-025-161-JCBE E07SS(S) NM-114-031-161-JCBE F07SS(S) NM-114-037-161-JCBE G07SS(S) NM-114-051-161-JCBE	M32139/01- A07ST(S) NM-115-009-161-JCBE B07ST(S) NM-115-015-161-JCBE C07ST(S) NM-115-021-161-JCBE D07ST(S) NM-115-025-161-JCBE E07ST(S) NM-115-031-161-JCBE F07ST(S) NM-115-037-161-JCBE G07ST(S) NM-115-051-161-JCBE
M32139/01- A08SC NM-113-009-161-JCBG B08SC NM-113-015-161-JCBG C08SC NM-113-021-161-JCBG D08SC NM-113-025-161-JCBG E08SC NM-113-031-161-JCBG F08SC NM-113-037-161-JCBG G08SC NM-113-051-161-JCBG	M32139/01- A08SN(S) NM-112-009-161-JCBG B08SN(S) NM-112-015-161-JCBG C08SN(S) NM-112-021-161-JCBG D08SN(S) NM-112-025-161-JCBG E08SN(S) NM-112-031-161-JCBG F08SN(S) NM-112-037-161-JCBG G08SN(S) NM-112-051-161-JCBG	M32139/01- A08SS(S) NM-114-009-161-JCBG B08SS(S) NM-114-015-161-JCBG C08SS(S) NM-114-021-161-JCBG D08SS(S) NM-114-025-161-JCBG E08SS(S) NM-114-031-161-JCBG F08SS(S) NM-114-037-161-JCBG G08SS(S) NM-114-051-161-JCBG	M32139/01- A08ST(S) NM-115-009-161-JCBG B08ST(S) NM-115-015-161-JCBG C08ST(S) NM-115-021-161-JCBG D08ST(S) NM-115-025-161-JCBG E08ST(S) NM-115-031-161-JCBG F08ST(S) NM-115-037-161-JCBG G08ST(S) NM-115-051-161-JCBG
M32139/01- A09SC NM-113-009-161-JCBH B09SC NM-113-015-161-JCBH C09SC NM-113-021-161-JCBH D09SC NM-113-025-161-JCBH E09SC NM-113-031-161-JCBH F09SC NM-113-037-161-JCBH G09SC NM-113-051-161-JCBH	M32139/01- A09SN(S) NM-112-009-161-JCBH B09SN(S) NM-112-015-161-JCBH C09SN(S) NM-112-021-161-JCBH D09SN(S) NM-112-025-161-JCBH E09SN(S) NM-112-031-161-JCBH F09SN(S) NM-112-037-161-JCBH G09SN(S) NM-112-051-161-JCBH	M32139/01- A09SS(S) NM-114-009-161-JCBH B09SS(S) NM-114-015-161-JCBH C09SS(S) NM-114-021-161-JCBH D09SS(S) NM-114-025-161-JCBH E09SS(S) NM-114-031-161-JCBH F09SS(S) NM-114-037-161-JCBH G09SS(S) NM-114-051-161-JCBH	M32139/01- A09ST(S) NM-115-009-161-JCBH B09ST(S) NM-115-015-161-JCBH C09ST(S) NM-115-021-161-JCBH D09ST(S) NM-115-025-161-JCBH E09ST(S) NM-115-031-161-JCBH F09ST(S) NM-115-037-161-JCBH G09ST(S) NM-115-051-161-JCBH
M32139/01- A10SC NM-113-009-161-JCBA B10SC NM-113-015-161-JCBA C10SC NM-113-021-161-JCBA D10SC NM-113-025-161-JCBA E10SC NM-113-031-161-JCBA F10SC NM-113-037-161-JCBA G10SC NM-113-051-161-JCBA	M32139/01- A10SN(S) NM-112-009-161-JCBA B10SN(S) NM-112-015-161-JCBA C10SN(S) NM-112-021-161-JCBA D10SN(S) NM-112-025-161-JCBA E10SN(S) NM-112-031-161-JCBA F10SN(S) NM-112-037-161-JCBA G10SN(S) NM-112-051-161-JCBA	M32139/01- A10SS(S) NM-114-009-161-JCBA B10SS(S) NM-114-015-161-JCBA C10SS(S) NM-114-021-161-JCBA D10SS(S) NM-114-025-161-JCBA E10SS(S) NM-114-031-161-JCBA F10SS(S) NM-114-037-161-JCBA G10SS(S) NM-114-051-161-JCBA	M32139/01- A10ST(S) NM-115-009-161-JCBA B10ST(S) NM-115-015-161-JCBA C10ST(S) NM-115-021-161-JCBA D10ST(S) NM-115-025-161-JCBA E10ST(S) NM-115-031-161-JCBA F10ST(S) NM-115-037-161-JCBA G10ST(S) NM-115-051-161-JCBA
M32139/01- A11SC NM-113-009-161-JCBC B11SC NM-113-015-161-JCBC C11SC NM-113-021-161-JCBC D11SC NM-113-025-161-JCBC E11SC NM-113-031-161-JCBC F11SC NM-113-037-161-JCBC G11SC NM-113-051-161-JCBC	M32139/01- A11SN(S) NM-112-009-161-JCBC B11SN(S) NM-112-015-161-JCBC C11SN(S) NM-112-021-161-JCBC D11SN(S) NM-112-025-161-JCBC E11SN(S) NM-112-031-161-JCBC F11SN(S) NM-112-037-161-JCBC G11SN(S) NM-112-051-161-JCBC	M32139/01- A11SS(S) NM-114-009-161-JCBC B11SS(S) NM-114-015-161-JCBC C11SS(S) NM-114-021-161-JCBC D11SS(S) NM-114-025-161-JCBC E11SS(S) NM-114-031-161-JCBC F11SS(S) NM-114-037-161-JCBC G11SS(S) NM-114-051-161-JCBC	M32139/01- A11ST(S) NM-115-009-161-JCBC B11ST(S) NM-115-015-161-JCBC C11ST(S) NM-115-021-161-JCBC D11ST(S) NM-115-025-161-JCBC E11ST(S) NM-115-031-161-JCBC F11ST(S) NM-115-037-161-JCBC G11ST(S) NM-115-051-161-JCBC
M32139/01- A12SC NM-113-009-161-JCBD B12SC NM-113-015-161-JCBD C12SC NM-113-021-161-JCBD D12SC NM-113-025-161-JCBD E12SC NM-113-031-161-JCBD F12SC NM-113-037-161-JCBD G12SC NM-113-051-161-JCBD	M32139/01- A12SN(S) NM-112-009-161-JCBD B12SN(S) NM-112-015-161-JCBD C12SN(S) NM-112-021-161-JCBD D12SN(S) NM-112-025-161-JCBD E12SN(S) NM-112-031-161-JCBD F12SN(S) NM-112-037-161-JCBD G12SN(S) NM-112-051-161-JCBD	M32139/01- A12SS(S) NM-114-009-161-JCBD B12SS(S) NM-114-015-161-JCBD C12SS(S) NM-114-021-161-JCBD D12SS(S) NM-114-025-161-JCBD E12SS(S) NM-114-031-161-JCBD F12SS(S) NM-114-037-161-JCBD G12SS(S) NM-114-051-161-JCBD	M32139/01- A12ST(S) NM-115-009-161-JCBD B12ST(S) NM-115-015-161-JCBD C12ST(S) NM-115-021-161-JCBD D12ST(S) NM-115-025-161-JCBD E12ST(S) NM-115-031-161-JCBD F12ST(S) NM-115-037-161-JCBD G12ST(S) NM-115-051-161-JCBD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.



Military Cross Reference Chart

M32139/01

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M32139/01- A13SC NM-113-009-161-JCCE B13SC NM-113-015-161-JCCE C13SC NM-113-021-161-JCCE D13SC NM-113-025-161-JCCE E13SC NM-113-031-161-JCCE F13SC NM-113-037-161-JCCE G13SC NM-113-051-161-JCCE	M32139/01- A13SN NM-112-009-161-JCCE B13SN NM-112-015-161-JCCE C13SN NM-112-021-161-JCCE D13SN NM-112-025-161-JCCE E13SN NM-112-031-161-JCCE F13SN NM-112-037-161-JCCE G13SN NM-112-051-161-JCCE	M32139/01- A13SS NM-114-009-161-JCCE B13SS NM-114-015-161-JCCE C13SS NM-114-021-161-JCCE D13SS NM-114-025-161-JCCE E13SS NM-114-031-161-JCCE F13SS NM-114-037-161-JCCE G13SS NM-114-051-161-JCCE	M32139/01- A13ST NM-115-009-161-JCCE B13ST NM-115-015-161-JCCE C13ST NM-115-021-161-JCCE D13ST NM-115-025-161-JCCE E13ST NM-115-031-161-JCCE F13ST NM-115-037-161-JCCE G13ST NM-115-051-161-JCCE
M32139/01- A14SC NM-113-009-161-JCCG B14SC NM-113-015-161-JCCG C14SC NM-113-021-161-JCCG D14SC NM-113-025-161-JCCG E14SC NM-113-031-161-JCCG F14SC NM-113-037-161-JCCG G14SC NM-113-051-161-JCCG	M32139/01- A14SN NM-112-009-161-JCCG B14SN NM-112-015-161-JCCG C14SN NM-112-021-161-JCCG D14SN NM-112-025-161-JCCG E14SN NM-112-031-161-JCCG F14SN NM-112-037-161-JCCG G14SN NM-112-051-161-JCCG	M32139/01- A14SS NM-114-009-161-JCCG B14SS NM-114-015-161-JCCG C14SS NM-114-021-161-JCCG D14SS NM-114-025-161-JCCG E14SS NM-114-031-161-JCCG F14SS NM-114-037-161-JCCG G14SS NM-114-051-161-JCCG	M32139/01- A14ST NM-115-009-161-JCCG B14ST NM-115-015-161-JCCG C14ST NM-115-021-161-JCCG D14ST NM-115-025-161-JCCG E14ST NM-115-031-161-JCCG F14ST NM-115-037-161-JCCG G14ST NM-115-051-161-JCCG
M32139/01- A15SC NM-113-009-161-JCCH B15SC NM-113-015-161-JCCH C15SC NM-113-021-161-JCCH D15SC NM-113-025-161-JCCH E15SC NM-113-031-161-JCCH F15SC NM-113-037-161-JCCH G15SC NM-113-051-161-JCCH	M32139/01- A15SN NM-112-009-161-JCCH B15SN NM-112-015-161-JCCH C15SN NM-112-021-161-JCCH D15SN NM-112-025-161-JCCH E15SN NM-112-031-161-JCCH F15SN NM-112-037-161-JCCH G15SN NM-112-051-161-JCCH	M32139/01- A15SS NM-114-009-161-JCCH B15SS NM-114-015-161-JCCH C15SS NM-114-021-161-JCCH D15SS NM-114-025-161-JCCH E15SS NM-114-031-161-JCCH F15SS NM-114-037-161-JCCH G15SS NM-114-051-161-JCCH	M32139/01- A15ST NM-115-009-161-JCCH B15ST NM-115-015-161-JCCH C15ST NM-115-021-161-JCCH D15ST NM-115-025-161-JCCH E15ST NM-115-031-161-JCCH F15ST NM-115-037-161-JCCH G15ST NM-115-051-161-JCCH
M32139/01- A16SC NM-113-009-161-JCCA B16SC NM-113-015-161-JCCA C16SC NM-113-021-161-JCCA D16SC NM-113-025-161-JCCA E16SC NM-113-031-161-JCCA F16SC NM-113-037-161-JCCA G16SC NM-113-051-161-JCCA	M32139/01- A16SN NM-112-009-161-JCCA B16SN NM-112-015-161-JCCA C16SN NM-112-021-161-JCCA D16SN NM-112-025-161-JCCA E16SN NM-112-031-161-JCCA F16SN NM-112-037-161-JCCA G16SN NM-112-051-161-JCCA	M32139/01- A16SS NM-114-009-161-JCCA B16SS NM-114-015-161-JCCA C16SS NM-114-021-161-JCCA D16SS NM-114-025-161-JCCA E16SS NM-114-031-161-JCCA F16SS NM-114-037-161-JCCA G16SS NM-114-051-161-JCCA	M32139/01- A16ST NM-115-009-161-JCCA B16ST NM-115-015-161-JCCA C16ST NM-115-021-161-JCCA D16ST NM-115-025-161-JCCA E16ST NM-115-031-161-JCCA F16ST NM-115-037-161-JCCA G16ST NM-115-051-161-JCCA
M32139/01- A17SC NM-113-009-161-JCCC B17SC NM-113-015-161-JCCC C17SC NM-113-021-161-JCCC D17SC NM-113-025-161-JCCC E17SC NM-113-031-161-JCCC F17SC NM-113-037-161-JCCC G17SC NM-113-051-161-JCCC	M32139/01- A17SN NM-112-009-161-JCCC B17SN NM-112-015-161-JCCC C17SN NM-112-021-161-JCCC D17SN NM-112-025-161-JCCC E17SN NM-112-031-161-JCCC F17SN NM-112-037-161-JCCC G17SN NM-112-051-161-JCCC	M32139/01- A17SS NM-114-009-161-JCCC B17SS NM-114-015-161-JCCC C17SS NM-114-021-161-JCCC D17SS NM-114-025-161-JCCC E17SS NM-114-031-161-JCCC F17SS NM-114-037-161-JCCC G17SS NM-114-051-161-JCCC	M32139/01- A17ST NM-115-009-161-JCCC B17ST NM-115-015-161-JCCC C17ST NM-115-021-161-JCCC D17ST NM-115-025-161-JCCC E17ST NM-115-031-161-JCCC F17ST NM-115-037-161-JCCC G17ST NM-115-051-161-JCCC
M32139/01- A18SC NM-113-009-161-JCCD B18SC NM-113-015-161-JCCD C18SC NM-113-021-161-JCCD D18SC NM-113-025-161-JCCD E18SC NM-113-031-161-JCCD F18SC NM-113-037-161-JCCD G18SC NM-113-051-161-JCCD	M32139/01- A18SN NM-112-009-161-JCCD B18SN NM-112-015-161-JCCD C18SN NM-112-021-161-JCCD D18SN NM-112-025-161-JCCD E18SN NM-112-031-161-JCCD F18SN NM-112-037-161-JCCD G18SN NM-112-051-161-JCCD	M32139/01- A18SS NM-114-009-161-JCCD B18SS NM-114-015-161-JCCD C18SS NM-114-021-161-JCCD D18SS NM-114-025-161-JCCD E18SS NM-114-031-161-JCCD F18SS NM-114-037-161-JCCD G18SS NM-114-051-161-JCCD	M32139/01- A18ST NM-115-009-161-JCCD B18ST NM-115-015-161-JCCD C18ST NM-115-021-161-JCCD D18ST NM-115-025-161-JCCD E18ST NM-115-031-161-JCCD F18ST NM-115-037-161-JCCD G18ST NM-115-051-161-JCCD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/02-	M32139/02-	M32139/02-	M32139/02-
A01TC NM-123-009-261-THAE	A01TN NM-122-009-261-THAE	A01TS NM-124-009-261-THAE	A01TT NM-125-009-261-THAE
B01TC NM-123-015-261-THAE	B01TN NM-122-015-261-THAE	B01TS NM-124-015-261-THAE	B01TT NM-125-015-261-THAE
C01TC NM-123-021-261-THAE	C01TN NM-122-021-261-THAE	C01TS NM-124-021-261-THAE	C01TT NM-125-021-261-THAE
D01TC NM-123-025-261-THAE	D01TN NM-122-025-261-THAE	D01TS NM-124-025-261-THAE	D01TT NM-125-025-261-THAE
E01TC NM-123-031-261-THAE	E01TN NM-122-031-261-THAE	E01TS NM-124-031-261-THAE	E01TT NM-125-031-261-THAE
F01TC NM-123-037-261-THAE	F01TN NM-122-037-261-THAE	F01TS NM-124-037-261-THAE	F01TT NM-125-037-261-THAE
G01TC NM-123-051-261-THAE	G01TN NM-122-051-261-THAE	G01TS NM-124-051-261-THAE	G01TT NM-125-051-261-THAE
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A02TC NM-123-009-261-THAG	A02TN NM-122-009-261-THAG	A02TS NM-124-009-261-THAG	A02TT NM-125-009-261-THAG
B02TC NM-123-015-261-THAG	B02TN NM-122-015-261-THAG	B02TS NM-124-015-261-THAG	B02TT NM-125-015-261-THAG
C02TC NM-123-021-261-THAG	C02TN NM-122-021-261-THAG	C02TS NM-124-021-261-THAG	C02TT NM-125-021-261-THAG
D02TC NM-123-025-261-THAG	D02TN NM-122-025-261-THAG	D02TS NM-124-025-261-THAG	D02TT NM-125-025-261-THAG
E02TC NM-123-031-261-THAG	E02TN NM-122-031-261-THAG	E02TS NM-124-031-261-THAG	E02TT NM-125-031-261-THAG
F02TC NM-123-037-261-THAG	F02TN NM-122-037-261-THAG	F02TS NM-124-037-261-THAG	F02TT NM-125-037-261-THAG
G02TC NM-123-051-261-THAG	G02TN NM-122-051-261-THAG	G02TS NM-124-051-261-THAG	G02TT NM-125-051-261-THAG
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A03TC NM-123-009-261-THAH	A03TN NM-122-009-261-THAH	A03TS NM-124-009-261-THAH	A03TT NM-125-009-261-THAH
B03TC NM-123-015-261-THAH	B03TN NM-122-015-261-THAH	B03TS NM-124-015-261-THAH	B03TT NM-125-015-261-THAH
C03TC NM-123-021-261-THAH	C03TN NM-122-021-261-THAH	C03TS NM-124-021-261-THAH	C03TT NM-125-021-261-THAH
D03TC NM-123-025-261-THAH	D03TN NM-122-025-261-THAH	D03TS NM-124-025-261-THAH	D03TT NM-125-025-261-THAH
E03TC NM-123-031-261-THAH	E03TN NM-122-031-261-THAH	E03TS NM-124-031-261-THAH	E03TT NM-125-031-261-THAH
F03TC NM-123-037-261-THAH	F03TN NM-122-037-261-THAH	F03TS NM-124-037-261-THAH	F03TT NM-125-037-261-THAH
G03TC NM-123-051-261-THAH	G03TN NM-122-051-261-THAH	G03TS NM-124-051-261-THAH	G03TT NM-125-051-261-THAH
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A04TC NM-123-009-261-THAA	A04TN NM-122-009-261-THAA	A04TS NM-124-009-261-THAA	A04TT NM-125-009-261-THAA
B04TC NM-123-015-261-THAA	B04TN NM-122-015-261-THAA	B04TS NM-124-015-261-THAA	B04TT NM-125-015-261-THAA
C04TC NM-123-021-261-THAA	C04TN NM-122-021-261-THAA	C04TS NM-124-021-261-THAA	C04TT NM-125-021-261-THAA
D04TC NM-123-025-261-THAA	D04TN NM-122-025-261-THAA	D04TS NM-124-025-261-THAA	D04TT NM-125-025-261-THAA
E04TC NM-123-031-261-THAA	E04TN NM-122-031-261-THAA	E04TS NM-124-031-261-THAA	E04TT NM-125-031-261-THAA
F04TC NM-123-037-261-THAA	F04TN NM-122-037-261-THAA	F04TS NM-124-037-261-THAA	F04TT NM-125-037-261-THAA
G04TC NM-123-051-261-THAA	G04TN NM-122-051-261-THAA	G04TS NM-124-051-261-THAA	G04TT NM-125-051-261-THAA
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A05TC NM-123-009-261-THAC	A05TN NM-122-009-261-THAC	A05TS NM-124-009-261-THAC	A05TT NM-125-009-261-THAC
B05TC NM-123-015-261-THAC	B05TN NM-122-015-261-THAC	B05TS NM-124-015-261-THAC	B05TT NM-125-015-261-THAC
C05TC NM-123-021-261-THAC	C05TN NM-122-021-261-THAC	C05TS NM-124-021-261-THAC	C05TT NM-125-021-261-THAC
D05TC NM-123-025-261-THAC	D05TN NM-122-025-261-THAC	D05TS NM-124-025-261-THAC	D05TT NM-125-025-261-THAC
E05TC NM-123-031-261-THAC	E05TN NM-122-031-261-THAC	E05TS NM-124-031-261-THAC	E05TT NM-125-031-261-THAC
F05TC NM-123-037-261-THAC	F05TN NM-122-037-261-THAC	F05TS NM-124-037-261-THAC	F05TT NM-125-037-261-THAC
G05TC NM-123-051-261-THAC	G05TN NM-122-051-261-THAC	G05TS NM-124-051-261-THAC	G05TT NM-125-051-261-THAC
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A06TC NM-123-009-261-THAD	A06TN NM-122-009-261-THAD	A06TS NM-124-009-261-THAD	A06TT NM-125-009-261-THAD
B06TC NM-123-015-261-THAD	B06TN NM-122-015-261-THAD	B06TS NM-124-015-261-THAD	B06TT NM-125-015-261-THAD
C06TC NM-123-021-261-THAD	C06TN NM-122-021-261-THAD	C06TS NM-124-021-261-THAD	C06TT NM-125-021-261-THAD
D06TC NM-123-025-261-THAD	D06TN NM-122-025-261-THAD	D06TS NM-124-025-261-THAD	D06TT NM-125-025-261-THAD
E06TC NM-123-031-261-THAD	E06TN NM-122-031-261-THAD	E06TS NM-124-031-261-THAD	E06TT NM-125-031-261-THAD
F06TC NM-123-037-261-THAD	F06TN NM-122-037-261-THAD	F06TS NM-124-037-261-THAD	F06TT NM-125-037-261-THAD
G06TC NM-123-051-261-THAD	G06TN NM-122-051-261-THAD	G06TS NM-124-051-261-THAD	G06TT NM-125-051-261-THAD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.



Military Cross Reference Chart

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M32139/02- A07TC NM-123-009-261-THBE B07TC NM-123-015-261-THBE C07TC NM-123-021-261-THBE D07TC NM-123-025-261-THBE E07TC NM-123-031-261-THBE F07TC NM-123-037-261-THBE G07TC NM-123-051-261-THBE	M32139/02- A07TN(S) NM-122-009-261-THBE B07TN(S) NM-122-015-261-THBE C07TN(S) NM-122-021-261-THBE D07TN(S) NM-122-025-261-THBE E07TN(S) NM-122-031-261-THBE F07TN(S) NM-122-037-261-THBE G07TN(S) NM-122-051-261-THBE	M32139/02- A07TS(S) NM-124-009-261-THBE B07TS(S) NM-124-015-261-THBE C07TS(S) NM-124-021-261-THBE D07TS(S) NM-124-025-261-THBE E07TS(S) NM-124-031-261-THBE F07TS(S) NM-124-037-261-THBE G07TS(S) NM-124-051-261-THBE	M32139/02- A07TT(S) NM-125-009-261-THBE B07TT(S) NM-125-015-261-THBE C07TT(S) NM-125-021-261-THBE D07TT(S) NM-125-025-261-THBE E07TT(S) NM-125-031-261-THBE F07TT(S) NM-125-037-261-THBE G07TT(S) NM-125-051-261-THBE
M32139/02- A08TC NM-123-009-261-THBG B08TC NM-123-015-261-THBG C08TC NM-123-021-261-THBG D08TC NM-123-025-261-THBG E08TC NM-123-031-261-THBG F08TC NM-123-037-261-THBG G08TC NM-123-051-261-THBG	M32139/02- A08TN(S) NM-122-009-261-THBG B08TN(S) NM-122-015-261-THBG C08TN(S) NM-122-021-261-THBG D08TN(S) NM-122-025-261-THBG E08TN(S) NM-122-031-261-THBG F08TN(S) NM-122-037-261-THBG G08TN(S) NM-122-051-261-THBG	M32139/02- A08TS(S) NM-124-009-261-THBG B08TS(S) NM-124-015-261-THBG C08TS(S) NM-124-021-261-THBG D08TS(S) NM-124-025-261-THBG E08TS(S) NM-124-031-261-THBG F08TS(S) NM-124-037-261-THBG G08TS(S) NM-124-051-261-THBG	M32139/02- A08TT(S) NM-125-009-261-THBG B08TT(S) NM-125-015-261-THBG C08TT(S) NM-125-021-261-THBG D08TT(S) NM-125-025-261-THBG E08TT(S) NM-125-031-261-THBG F08TT(S) NM-125-037-261-THBG G08TT(S) NM-125-051-261-THBG
M32139/02- A09TC NM-123-009-261-THBH B09TC NM-123-015-261-THBH C09TC NM-123-021-261-THBH D09TC NM-123-025-261-THBH E09TC NM-123-031-261-THBH F09TC NM-123-037-261-THBH G09TC NM-123-051-261-THBH	M32139/02- A09TN(S) NM-122-009-261-THBH B09TN(S) NM-122-015-261-THBH C09TN(S) NM-122-021-261-THBH D09TN(S) NM-122-025-261-THBH E09TN(S) NM-122-031-261-THBH F09TN(S) NM-122-037-261-THBH G09TN(S) NM-122-051-261-THBH	M32139/02- A09TS(S) NM-124-009-261-THBH B09TS(S) NM-124-015-261-THBH C09TS(S) NM-124-021-261-THBH D09TS(S) NM-124-025-261-THBH E09TS(S) NM-124-031-261-THBH F09TS(S) NM-124-037-261-THBH G09TS(S) NM-124-051-261-THBH	M32139/02- A09TT(S) NM-125-009-261-THBH B09TT(S) NM-125-015-261-THBH C09TT(S) NM-125-021-261-THBH D09TT(S) NM-125-025-261-THBH E09TT(S) NM-125-031-261-THBH F09TT(S) NM-125-037-261-THBH G09TT(S) NM-125-051-261-THBH
M32139/02- A10TC NM-123-009-261-THBA B10TC NM-123-015-261-THBA C10TC NM-123-021-261-THBA D10TC NM-123-025-261-THBA E10TC NM-123-031-261-THBA F10TC NM-123-037-261-THBA G10TC NM-123-051-261-THBA	M32139/02- A10TN(S) NM-122-009-261-THBA B10TN(S) NM-122-015-261-THBA C10TN(S) NM-122-021-261-THBA D10TN(S) NM-122-025-261-THBA E10TN(S) NM-122-031-261-THBA F10TN(S) NM-122-037-261-THBA G10TN(S) NM-122-051-261-THBA	M32139/02- A10TS(S) NM-124-009-261-THBA B10TS(S) NM-124-015-261-THBA C10TS(S) NM-124-021-261-THBA D10TS(S) NM-124-025-261-THBA E10TS(S) NM-124-031-261-THBA F10TS(S) NM-124-037-261-THBA G10TS(S) NM-124-051-261-THBA	M32139/02- A10TT(S) NM-125-009-261-THBA B10TT(S) NM-125-015-261-THBA C10TT(S) NM-125-021-261-THBA D10TT(S) NM-125-025-261-THBA E10TT(S) NM-125-031-261-THBA F10TT(S) NM-125-037-261-THBA G10TT(S) NM-125-051-261-THBA
M32139/02- A11TC NM-123-009-261-THBC B11TC NM-123-015-261-THBC C11TC NM-123-021-261-THBC D11TC NM-123-025-261-THBC E11TC NM-123-031-261-THBC F11TC NM-123-037-261-THBC G11TC NM-123-051-261-THBC	M32139/02- A11TN(S) NM-122-009-261-THBC B11TN(S) NM-122-015-261-THBC C11TN(S) NM-122-021-261-THBC D11TN(S) NM-122-025-261-THBC E11TN(S) NM-122-031-261-THBC F11TN(S) NM-122-037-261-THBC G11TN(S) NM-122-051-261-THBC	M32139/02- A11TS(S) NM-124-009-261-THBC B11TS(S) NM-124-015-261-THBC C11TS(S) NM-124-021-261-THBC D11TS(S) NM-124-025-261-THBC E11TS(S) NM-124-031-261-THBC F11TS(S) NM-124-037-261-THBC G11TS(S) NM-124-051-261-THBC	M32139/02- A11TT(S) NM-125-009-261-THBC B11TT(S) NM-125-015-261-THBC C11TT(S) NM-125-021-261-THBC D11TT(S) NM-125-025-261-THBC E11TT(S) NM-125-031-261-THBC F11TT(S) NM-125-037-261-THBC G11TT(S) NM-125-051-261-THBC
M32139/02- A12TC NM-123-009-261-THBD B12TC NM-123-015-261-THBD C12TC NM-123-021-261-THBD D12TC NM-123-025-261-THBD E12TC NM-123-031-261-THBD F12TC NM-123-037-261-THBD G12TC NM-123-051-261-THBD	M32139/02- A12TN(S) NM-122-009-261-THBD B12TN(S) NM-122-015-261-THBD C12TN(S) NM-122-021-261-THBD D12TN(S) NM-122-025-261-THBD E12TN(S) NM-122-031-261-THBD F12TN(S) NM-122-037-261-THBD G12TN(S) NM-122-051-261-THBD	M32139/02- A12TS(S) NM-124-009-261-THBD B12TS(S) NM-124-015-261-THBD C12TS(S) NM-124-021-261-THBD D12TS(S) NM-124-025-261-THBD E12TS(S) NM-124-031-261-THBD F12TS(S) NM-124-037-261-THBD G12TS(S) NM-124-051-261-THBD	M32139/02- A12TT(S) NM-125-009-261-THBD B12TT(S) NM-125-015-261-THBD C12TT(S) NM-125-021-261-THBD D12TT(S) NM-125-025-261-THBD E12TT(S) NM-125-031-261-THBD F12TT(S) NM-125-037-261-THBD G12TT(S) NM-125-051-261-THBD

SPACE CLASS DESIGNATOR - (S)

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Military Cross Reference Chart

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M32139/02-	M32139/02-	M32139/02-	M32139/02-
A13TC NM-123-009-261-THCE	A13TN NM-122-009-261-THCE	A13TS NM-124-009-261-THCE	A13TT NM-125-009-261-THCE
B13TC NM-123-015-261-THCE	B13TN NM-122-015-261-THCE	B13TS NM-124-015-261-THCE	B13TT NM-125-015-261-THCE
C13TC NM-123-021-261-THCE	C13TN NM-122-021-261-THCE	C13TS NM-124-021-261-THCE	C13TT NM-125-021-261-THCE
D13TC NM-123-025-261-THCE	D13TN NM-122-025-261-THCE	D13TS NM-124-025-261-THCE	D13TT NM-125-025-261-THCE
E13TC NM-123-031-261-THCE	E13TN NM-122-031-261-THCE	E13TS NM-124-031-261-THCE	E13TT NM-125-031-261-THCE
F13TC NM-123-037-261-THCE	F13TN NM-122-037-261-THCE	F13TS NM-124-037-261-THCE	F13TT NM-125-037-261-THCE
G13TC NM-123-051-261-THCE	G13TN NM-122-051-261-THCE	G13TS NM-124-051-261-THCE	G13TT NM-125-051-261-THCE
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A14TC NM-123-009-261-THCG	A14TN NM-122-009-261-THCG	A14TS NM-124-009-261-THCG	A14TT NM-125-009-261-THCG
B14TC NM-123-015-261-THCG	B14TN NM-122-015-261-THCG	B14TS NM-124-015-261-THCG	B14TT NM-125-015-261-THCG
C14TC NM-123-021-261-THCG	C14TN NM-122-021-261-THCG	C14TS NM-124-021-261-THCG	C14TT NM-125-021-261-THCG
D14TC NM-123-025-261-THCG	D14TN NM-122-025-261-THCG	D14TS NM-124-025-261-THCG	D14TT NM-125-025-261-THCG
E14TC NM-123-031-261-THCG	E14TN NM-122-031-261-THCG	E14TS NM-124-031-261-THCG	E14TT NM-125-031-261-THCG
F14TC NM-123-037-261-THCG	F14TN NM-122-037-261-THCG	F14TS NM-124-037-261-THCG	F14TT NM-125-037-261-THCG
G14TC NM-123-051-261-THCG	G14TN NM-122-051-261-THCG	G14TS NM-124-051-261-THCG	G14TT NM-125-051-261-THCG
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A15TC NM-123-009-261-THCH	A15TN NM-122-009-261-THCH	A15TS NM-124-009-261-THCH	A15TT NM-125-009-261-THCH
B15TC NM-123-015-261-THCH	B15TN NM-122-015-261-THCH	B15TS NM-124-015-261-THCH	B15TT NM-125-015-261-THCH
C15TC NM-123-021-261-THCH	C15TN NM-122-021-261-THCH	C15TS NM-124-021-261-THCH	C15TT NM-125-021-261-THCH
D15TC NM-123-025-261-THCH	D15TN NM-122-025-261-THCH	D15TS NM-124-025-261-THCH	D15TT NM-125-025-261-THCH
E15TC NM-123-031-261-THCH	E15TN NM-122-031-261-THCH	E15TS NM-124-031-261-THCH	E15TT NM-125-031-261-THCH
F15TC NM-123-037-261-THCH	F15TN NM-122-037-261-THCH	F15TS NM-124-037-261-THCH	F15TT NM-125-037-261-THCH
G15TC NM-123-051-261-THCH	G15TN NM-122-051-261-THCH	G15TS NM-124-051-261-THCH	G15TT NM-125-051-261-THCH
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A16TC NM-123-009-261-THCA	A16TN NM-122-009-261-THCA	A16TS NM-124-009-261-THCA	A16TT NM-125-009-261-THCA
B16TC NM-123-015-261-THCA	B16TN NM-122-015-261-THCA	B16TS NM-124-015-261-THCA	B16TT NM-125-015-261-THCA
C16TC NM-123-021-261-THCA	C16TN NM-122-021-261-THCA	C16TS NM-124-021-261-THCA	C16TT NM-125-021-261-THCA
D16TC NM-123-025-261-THCA	D16TN NM-122-025-261-THCA	D16TS NM-124-025-261-THCA	D16TT NM-125-025-261-THCA
E16TC NM-123-031-261-THCA	E16TN NM-122-031-261-THCA	E16TS NM-124-031-261-THCA	E16TT NM-125-031-261-THCA
F16TC NM-123-037-261-THCA	F16TN NM-122-037-261-THCA	F16TS NM-124-037-261-THCA	F16TT NM-125-037-261-THCA
G16TC NM-123-051-261-THCA	G16TN NM-122-051-261-THCA	G16TS NM-124-051-261-THCA	G16TT NM-125-051-261-THCA
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A17TC NM-123-009-261-THCC	A17TN NM-122-009-261-THCC	A17TS NM-124-009-261-THCC	A17TT NM-125-009-261-THCC
B17TC NM-123-015-261-THCC	B17TN NM-122-015-261-THCC	B17TS NM-124-015-261-THCC	B17TT NM-125-015-261-THCC
C17TC NM-123-021-261-THCC	C17TN NM-122-021-261-THCC	C17TS NM-124-021-261-THCC	C17TT NM-125-021-261-THCC
D17TC NM-123-025-261-THCC	D17TN NM-122-025-261-THCC	D17TS NM-124-025-261-THCC	D17TT NM-125-025-261-THCC
E17TC NM-123-031-261-THCC	E17TN NM-122-031-261-THCC	E17TS NM-124-031-261-THCC	E17TT NM-125-031-261-THCC
F17TC NM-123-037-261-THCC	F17TN NM-122-037-261-THCC	F17TS NM-124-037-261-THCC	F17TT NM-125-037-261-THCC
G17TC NM-123-051-261-THCC	G17TN NM-122-051-261-THCC	G17TS NM-124-051-261-THCC	G17TT NM-125-051-261-THCC
M32139/02-	M32139/02-	M32139/02-	M32139/02-
A18TC NM-123-009-261-THCD	A18TN NM-122-009-261-THCD	A18TS NM-124-009-261-THCD	A18TT NM-125-009-261-THCD
B18TC NM-123-015-261-THCD	B18TN NM-122-015-261-THCD	B18TS NM-124-015-261-THCD	B18TT NM-125-015-261-THCD
C18TC NM-123-021-261-THCD	C18TN NM-122-021-261-THCD	C18TS NM-124-021-261-THCD	C18TT NM-125-021-261-THCD
D18TC NM-123-025-261-THCD	D18TN NM-122-025-261-THCD	D18TS NM-124-025-261-THCD	D18TT NM-125-025-261-THCD
E18TC NM-123-031-261-THCD	E18TN NM-122-031-261-THCD	E18TS NM-124-031-261-THCD	E18TT NM-125-031-261-THCD
F18TC NM-123-037-261-THCD	F18TN NM-122-037-261-THCD	F18TS NM-124-037-261-THCD	F18TT NM-125-037-261-THCD
G18TC NM-123-051-261-THCD	G18TN NM-122-051-261-THCD	G18TS NM-124-051-261-THCD	G18TT NM-125-051-261-THCD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.



Military Cross Reference Chart

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M32139/03- A01SC NM-213-009-161-JCAE B01SC NM-213-015-161-JCAE C01SC NM-213-021-161-JCAE D01SC NM-213-025-161-JCAE E01SC NM-213-031-161-JCAE F01SC NM-213-037-161-JCAE G01SC NM-213-051-161-JCAE	M32139/03- A01SN NM-212-009-161-JCAE B01SN NM-212-015-161-JCAE C01SN NM-212-021-161-JCAE D01SN NM-212-025-161-JCAE E01SN NM-212-031-161-JCAE F01SN NM-212-037-161-JCAE G01SN NM-212-051-161-JCAE	M32139/03- A01SS NM-214-009-161-JCAE B01SS NM-214-015-161-JCAE C01SS NM-214-021-161-JCAE D01SS NM-214-025-161-JCAE E01SS NM-214-031-161-JCAE F01SS NM-214-037-161-JCAE G01SS NM-214-051-161-JCAE	M32139/03- A01ST NM-215-009-161-JCAE B01ST NM-215-015-161-JCAE C01ST NM-215-021-161-JCAE D01ST NM-215-025-161-JCAE E01ST NM-215-031-161-JCAE F01ST NM-215-037-161-JCAE G01ST NM-215-051-161-JCAE
M32139/03- A02SC NM-213-009-161-JCAG B02SC NM-213-015-161-JCAG C02SC NM-213-021-161-JCAG D02SC NM-213-025-161-JCAG E02SC NM-213-031-161-JCAG F02SC NM-213-037-161-JCAG G02SC NM-213-051-161-JCAG	M32139/03- A02SN NM-212-009-161-JCAG B02SN NM-212-015-161-JCAG C02SN NM-212-021-161-JCAG D02SN NM-212-025-161-JCAG E02SN NM-212-031-161-JCAG F02SN NM-212-037-161-JCAG G02SN NM-212-051-161-JCAG	M32139/03- A02SS NM-214-009-161-JCAG B02SS NM-214-015-161-JCAG C02SS NM-214-021-161-JCAG D02SS NM-214-025-161-JCAG E02SS NM-214-031-161-JCAG F02SS NM-214-037-161-JCAG G02SS NM-214-051-161-JCAG	M32139/03- A02ST NM-215-009-161-JCAG B02ST NM-215-015-161-JCAG C02ST NM-215-021-161-JCAG D02ST NM-215-025-161-JCAG E02ST NM-215-031-161-JCAG F02ST NM-215-037-161-JCAG G02ST NM-215-051-161-JCAG
M32139/03- A03SC NM-213-009-161-JCAH B03SC NM-213-015-161-JCAH C03SC NM-213-021-161-JCAH D03SC NM-213-025-161-JCAH E03SC NM-213-031-161-JCAH F03SC NM-213-037-161-JCAH G03SC NM-213-051-161-JCAH	M32139/03- A03SN NM-212-009-161-JCAH B03SN NM-212-015-161-JCAH C03SN NM-212-021-161-JCAH D03SN NM-212-025-161-JCAH E03SN NM-212-031-161-JCAH F03SN NM-212-037-161-JCAH G03SN NM-212-051-161-JCAH	M32139/03- A03SS NM-214-009-161-JCAH B03SS NM-214-015-161-JCAH C03SS NM-214-021-161-JCAH D03SS NM-214-025-161-JCAH E03SS NM-214-031-161-JCAH F03SS NM-214-037-161-JCAH G03SS NM-214-051-161-JCAH	M32139/03- A03ST NM-215-009-161-JCAH B03ST NM-215-015-161-JCAH C03ST NM-215-021-161-JCAH D03ST NM-215-025-161-JCAH E03ST NM-215-031-161-JCAH F03ST NM-215-037-161-JCAH G03ST NM-215-051-161-JCAH
M32139/03- A04SC NM-213-009-161-JCAA B04SC NM-213-015-161-JCAA C04SC NM-213-021-161-JCAA D04SC NM-213-025-161-JCAA E04SC NM-213-031-161-JCAA F04SC NM-213-037-161-JCAA G04SC NM-213-051-161-JCAA	M32139/03- A04SN NM-212-009-161-JCAA B04SN NM-212-015-161-JCAA C04SN NM-212-021-161-JCAA D04SN NM-212-025-161-JCAA E04SN NM-212-031-161-JCAA F04SN NM-212-037-161-JCAA G04SN NM-212-051-161-JCAA	M32139/03- A04SS NM-214-009-161-JCAA B04SS NM-214-015-161-JCAA C04SS NM-214-021-161-JCAA D04SS NM-214-025-161-JCAA E04SS NM-214-031-161-JCAA F04SS NM-214-037-161-JCAA G04SS NM-214-051-161-JCAA	M32139/03- A04ST NM-215-009-161-JCAA B04ST NM-215-015-161-JCAA C04ST NM-215-021-161-JCAA D04ST NM-215-025-161-JCAA E04ST NM-215-031-161-JCAA F04ST NM-215-037-161-JCAA G04ST NM-215-051-161-JCAA
M32139/03- A05SC NM-213-009-161-JCAC B05SC NM-213-015-161-JCAC C05SC NM-213-021-161-JCAC D05SC NM-213-025-161-JCAC E05SC NM-213-031-161-JCAC F05SC NM-213-037-161-JCAC G05SC NM-213-051-161-JCAC	M32139/03- A05SN NM-212-009-161-JCAC B05SN NM-212-015-161-JCAC C05SN NM-212-021-161-JCAC D05SN NM-212-025-161-JCAC E05SN NM-212-031-161-JCAC F05SN NM-212-037-161-JCAC G05SN NM-212-051-161-JCAC	M32139/03- A05SS NM-214-009-161-JCAC B05SS NM-214-015-161-JCAC C05SS NM-214-021-161-JCAC D05SS NM-214-025-161-JCAC E05SS NM-214-031-161-JCAC F05SS NM-214-037-161-JCAC G05SS NM-214-051-161-JCAC	M32139/03- A05ST NM-215-009-161-JCAC B05ST NM-215-015-161-JCAC C05ST NM-215-021-161-JCAC D05ST NM-215-025-161-JCAC E05ST NM-215-031-161-JCAC F05ST NM-215-037-161-JCAC G05ST NM-215-051-161-JCAC
M32139/03- A06SC NM-213-009-161-JCAD B06SC NM-213-015-161-JCAD C06SC NM-213-021-161-JCAD D06SC NM-213-025-161-JCAD E06SC NM-213-031-161-JCAD F06SC NM-213-037-161-JCAD G06SC NM-213-051-161-JCAD	M32139/03- A06SN NM-212-009-161-JCAD B06SN NM-212-015-161-JCAD C06SN NM-212-021-161-JCAD D06SN NM-212-025-161-JCAD E06SN NM-212-031-161-JCAD F06SN NM-212-037-161-JCAD G06SN NM-212-051-161-JCAD	M32139/03- A06SS NM-214-009-161-JCAD B06SS NM-214-015-161-JCAD C06SS NM-214-021-161-JCAD D06SS NM-214-025-161-JCAD E06SS NM-214-031-161-JCAD F06SS NM-214-037-161-JCAD G06SS NM-214-051-161-JCAD	M32139/03- A06ST NM-215-009-161-JCAD B06ST NM-215-015-161-JCAD C06ST NM-215-021-161-JCAD D06ST NM-215-025-161-JCAD E06ST NM-215-031-161-JCAD F06ST NM-215-037-161-JCAD G06ST NM-215-051-161-JCAD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

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M32139/03- A07SC NM-213-009-161-JCBE B07SC NM-213-015-161-JCBE C07SC NM-213-021-161-JCBE D07SC NM-213-025-161-JCBE E07SC NM-213-031-161-JCBE F07SC NM-213-037-161-JCBE G07SC NM-213-051-161-JCBE	M32139/03- A07SN(S) NM-212-009-161-JCBE B07SN(S) NM-212-015-161-JCBE C07SN(S) NM-212-021-161-JCBE D07SN(S) NM-212-025-161-JCBE E07SN(S) NM-212-031-161-JCBE F07SN(S) NM-212-037-161-JCBE G07SN(S) NM-212-051-161-JCBE	M32139/03- A07SS(S) NM-214-009-161-JCBE B07SS(S) NM-214-015-161-JCBE C07SS(S) NM-214-021-161-JCBE D07SS(S) NM-214-025-161-JCBE E07SS(S) NM-214-031-161-JCBE F07SS(S) NM-214-037-161-JCBE G07SS(S) NM-214-051-161-JCBE	M32139/03- A07ST(S) NM-215-009-161-JCBE B07ST(S) NM-215-015-161-JCBE C07ST(S) NM-215-021-161-JCBE D07ST(S) NM-215-025-161-JCBE E07ST(S) NM-215-031-161-JCBE F07ST(S) NM-215-037-161-JCBE G07ST(S) NM-215-051-161-JCBE
M32139/03- A08SC NM-213-009-161-JCBG B08SC NM-213-015-161-JCBG C08SC NM-213-021-161-JCBG D08SC NM-213-025-161-JCBG E08SC NM-213-031-161-JCBG F08SC NM-213-037-161-JCBG G08SC NM-213-051-161-JCBG	M32139/03- A08SN(S) NM-212-009-161-JCBG B08SN(S) NM-212-015-161-JCBG C08SN(S) NM-212-021-161-JCBG D08SN(S) NM-212-025-161-JCBG E08SN(S) NM-212-031-161-JCBG F08SN(S) NM-212-037-161-JCBG G08SN(S) NM-212-051-161-JCBG	M32139/03- A08SS(S) NM-214-009-161-JCBG B08SS(S) NM-214-015-161-JCBG C08SS(S) NM-214-021-161-JCBG D08SS(S) NM-214-025-161-JCBG E08SS(S) NM-214-031-161-JCBG F08SS(S) NM-214-037-161-JCBG G08SS(S) NM-214-051-161-JCBG	M32139/03- A08ST(S) NM-215-009-161-JCBG B08ST(S) NM-215-015-161-JCBG C08ST(S) NM-215-021-161-JCBG D08ST(S) NM-215-025-161-JCBG E08ST(S) NM-215-031-161-JCBG F08ST(S) NM-215-037-161-JCBG G08ST(S) NM-215-051-161-JCBG
M32139/03- A09SC NM-213-009-161-JCBH B09SC NM-213-015-161-JCBH C09SC NM-213-021-161-JCBH D09SC NM-213-025-161-JCBH E09SC NM-213-031-161-JCBH F09SC NM-213-037-161-JCBH G09SC NM-213-051-161-JCBH	M32139/03- A09SN(S) NM-212-009-161-JCBH B09SN(S) NM-212-015-161-JCBH C09SN(S) NM-212-021-161-JCBH D09SN(S) NM-212-025-161-JCBH E09SN(S) NM-212-031-161-JCBH F09SN(S) NM-212-037-161-JCBH G09SN(S) NM-212-051-161-JCBH	M32139/03- A09SS(S) NM-214-009-161-JCBH B09SS(S) NM-214-015-161-JCBH C09SS(S) NM-214-021-161-JCBH D09SS(S) NM-214-025-161-JCBH E09SS(S) NM-214-031-161-JCBH F09SS(S) NM-214-037-161-JCBH G09SS(S) NM-214-051-161-JCBH	M32139/03- A09ST(S) NM-215-009-161-JCBH B09ST(S) NM-215-015-161-JCBH C09ST(S) NM-215-021-161-JCBH D09ST(S) NM-215-025-161-JCBH E09ST(S) NM-215-031-161-JCBH F09ST(S) NM-215-037-161-JCBH G09ST(S) NM-215-051-161-JCBH
M32139/03- A10SC NM-213-009-161-JCBA B10SC NM-213-015-161-JCBA C10SC NM-213-021-161-JCBA D10SC NM-213-025-161-JCBA E10SC NM-213-031-161-JCBA F10SC NM-213-037-161-JCBA G10SC NM-213-051-161-JCBA	M32139/03- A10SN(S) NM-212-009-161-JCBA B10SN(S) NM-212-015-161-JCBA C10SN(S) NM-212-021-161-JCBA D10SN(S) NM-212-025-161-JCBA E10SN(S) NM-212-031-161-JCBA F10SN(S) NM-212-037-161-JCBA G10SN(S) NM-212-051-161-JCBA	M32139/03- A10SS(S) NM-214-009-161-JCBA B10SS(S) NM-214-015-161-JCBA C10SS(S) NM-214-021-161-JCBA D10SS(S) NM-214-025-161-JCBA E10SS(S) NM-214-031-161-JCBA F10SS(S) NM-214-037-161-JCBA G10SS(S) NM-214-051-161-JCBA	M32139/03- A10ST(S) NM-215-009-161-JCBA B10ST(S) NM-215-015-161-JCBA C10ST(S) NM-215-021-161-JCBA D10ST(S) NM-215-025-161-JCBA E10ST(S) NM-215-031-161-JCBA F10ST(S) NM-215-037-161-JCBA G10ST(S) NM-215-051-161-JCBA
M32139/03- A11SC NM-213-009-161-JCBC B11SC NM-213-015-161-JCBC C11SC NM-213-021-161-JCBC D11SC NM-213-025-161-JCBC E11SC NM-213-031-161-JCBC F11SC NM-213-037-161-JCBC G11SC NM-213-051-161-JCBC	M32139/03- A11SN(S) NM-212-009-161-JCBC B11SN(S) NM-212-015-161-JCBC C11SN(S) NM-212-021-161-JCBC D11SN(S) NM-212-025-161-JCBC E11SN(S) NM-212-031-161-JCBC F11SN(S) NM-212-037-161-JCBC G11SN(S) NM-212-051-161-JCBC	M32139/03- A11SS(S) NM-214-009-161-JCBC B11SS(S) NM-214-015-161-JCBC C11SS(S) NM-214-021-161-JCBC D11SS(S) NM-214-025-161-JCBC E11SS(S) NM-214-031-161-JCBC F11SS(S) NM-214-037-161-JCBC G11SS(S) NM-214-051-161-JCBC	M32139/03- A11ST(S) NM-215-009-161-JCBC B11ST(S) NM-215-015-161-JCBC C11ST(S) NM-215-021-161-JCBC D11ST(S) NM-215-025-161-JCBC E11ST(S) NM-215-031-161-JCBC F11ST(S) NM-215-037-161-JCBC G11ST(S) NM-215-051-161-JCBC
M32139/03- A12SC NM-213-009-161-JCBD B12SC NM-213-015-161-JCBD C12SC NM-213-021-161-JCBD D12SC NM-213-025-161-JCBD E12SC NM-213-031-161-JCBD F12SC NM-213-037-161-JCBD G12SC NM-213-051-161-JCBD	M32139/03- A12SN(S) NM-212-009-161-JCBD B12SN(S) NM-212-015-161-JCBD C12SN(S) NM-212-021-161-JCBD D12SN(S) NM-212-025-161-JCBD E12SN(S) NM-212-031-161-JCBD F12SN(S) NM-212-037-161-JCBD G12SN(S) NM-212-051-161-JCBD	M32139/03- A12SS(S) NM-214-009-161-JCBD B12SS(S) NM-214-015-161-JCBD C12SS(S) NM-214-021-161-JCBD D12SS(S) NM-214-025-161-JCBD E12SS(S) NM-214-031-161-JCBD F12SS(S) NM-214-037-161-JCBD G12SS(S) NM-214-051-161-JCBD	M32139/03- A12ST(S) NM-215-009-161-JCBD B12ST(S) NM-215-015-161-JCBD C12ST(S) NM-215-021-161-JCBD D12ST(S) NM-215-025-161-JCBD E12ST(S) NM-215-031-161-JCBD F12ST(S) NM-215-037-161-JCBD G12ST(S) NM-215-051-161-JCBD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.



Military Cross Reference Chart

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M32139/03- A13SC NM-213-009-161-JCCE B13SC NM-213-015-161-JCCE C13SC NM-213-021-161-JCCE D13SC NM-213-025-161-JCCE E13SC NM-213-031-161-JCCE F13SC NM-213-037-161-JCCE G13SC NM-213-051-161-JCCE	M32139/03- A13SN NM-212-009-161-JCCE B13SN NM-212-015-161-JCCE C13SN NM-212-021-161-JCCE D13SN NM-212-025-161-JCCE E13SN NM-212-031-161-JCCE F13SN NM-212-037-161-JCCE G13SN NM-212-051-161-JCCE	M32139/03- A13SS NM-214-009-161-JCCE B13SS NM-214-015-161-JCCE C13SS NM-214-021-161-JCCE D13SS NM-214-025-161-JCCE E13SS NM-214-031-161-JCCE F13SS NM-214-037-161-JCCE G13SS NM-214-051-161-JCCE	M32139/03- A13ST NM-215-009-161-JCCE B13ST NM-215-015-161-JCCE C13ST NM-215-021-161-JCCE D13ST NM-215-025-161-JCCE E13ST NM-215-031-161-JCCE F13ST NM-215-037-161-JCCE G13ST NM-215-051-161-JCCE
M32139/03- A14SC NM-213-009-161-JCCG B14SC NM-213-015-161-JCCG C14SC NM-213-021-161-JCCG D14SC NM-213-025-161-JCCG E14SC NM-213-031-161-JCCG F14SC NM-213-037-161-JCCG G14SC NM-213-051-161-JCCG	M32139/03- A14SN NM-212-009-161-JCCG B14SN NM-212-015-161-JCCG C14SN NM-212-021-161-JCCG D14SN NM-212-025-161-JCCG E14SN NM-212-031-161-JCCG F14SN NM-212-037-161-JCCG G14SN NM-212-051-161-JCCG	M32139/03- A14SS NM-214-009-161-JCCG B14SS NM-214-015-161-JCCG C14SS NM-214-021-161-JCCG D14SS NM-214-025-161-JCCG E14SS NM-214-031-161-JCCG F14SS NM-214-037-161-JCCG G14SS NM-214-051-161-JCCG	M32139/03- A14ST NM-215-009-161-JCCG B14ST NM-215-015-161-JCCG C14ST NM-215-021-161-JCCG D14ST NM-215-025-161-JCCG E14ST NM-215-031-161-JCCG F14ST NM-215-037-161-JCCG G14ST NM-215-051-161-JCCG
M32139/03- A15SC NM-213-009-161-JCCH B15SC NM-213-015-161-JCCH C15SC NM-213-021-161-JCCH D15SC NM-213-025-161-JCCH E15SC NM-213-031-161-JCCH F15SC NM-213-037-161-JCCH G15SC NM-213-051-161-JCCH	M32139/03- A15SN NM-212-009-161-JCCH B15SN NM-212-015-161-JCCH C15SN NM-212-021-161-JCCH D15SN NM-212-025-161-JCCH E15SN NM-212-031-161-JCCH F15SN NM-212-037-161-JCCH G15SN NM-212-051-161-JCCH	M32139/03- A15SS NM-214-009-161-JCCH B15SS NM-214-015-161-JCCH C15SS NM-214-021-161-JCCH D15SS NM-214-025-161-JCCH E15SS NM-214-031-161-JCCH F15SS NM-214-037-161-JCCH G15SS NM-214-051-161-JCCH	M32139/03- A15ST NM-215-009-161-JCCH B15ST NM-215-015-161-JCCH C15ST NM-215-021-161-JCCH D15ST NM-215-025-161-JCCH E15ST NM-215-031-161-JCCH F15ST NM-215-037-161-JCCH G15ST NM-215-051-161-JCCH
M32139/03- A16SC NM-213-009-161-JCCA B16SC NM-213-015-161-JCCA C16SC NM-213-021-161-JCCA D16SC NM-213-025-161-JCCA E16SC NM-213-031-161-JCCA F16SC NM-213-037-161-JCCA G16SC NM-213-051-161-JCCA	M32139/03- A16SN NM-212-009-161-JCCA B16SN NM-212-015-161-JCCA C16SN NM-212-021-161-JCCA D16SN NM-212-025-161-JCCA E16SN NM-212-031-161-JCCA F16SN NM-212-037-161-JCCA G16SN NM-212-051-161-JCCA	M32139/03- A16SS NM-214-009-161-JCCA B16SS NM-214-015-161-JCCA C16SS NM-214-021-161-JCCA D16SS NM-214-025-161-JCCA E16SS NM-214-031-161-JCCA F16SS NM-214-037-161-JCCA G16SS NM-214-051-161-JCCA	M32139/03- A16ST NM-215-009-161-JCCA B16ST NM-215-015-161-JCCA C16ST NM-215-021-161-JCCA D16ST NM-215-025-161-JCCA E16ST NM-215-031-161-JCCA F16ST NM-215-037-161-JCCA G16ST NM-215-051-161-JCCA
M32139/03- A17SC NM-213-009-161-JCCC B17SC NM-213-015-161-JCCC C17SC NM-213-021-161-JCCC D17SC NM-213-025-161-JCCC E17SC NM-213-031-161-JCCC F17SC NM-213-037-161-JCCC G17SC NM-213-051-161-JCCC	M32139/03- A17SN NM-212-009-161-JCCC B17SN NM-212-015-161-JCCC C17SN NM-212-021-161-JCCC D17SN NM-212-025-161-JCCC E17SN NM-212-031-161-JCCC F17SN NM-212-037-161-JCCC G17SN NM-212-051-161-JCCC	M32139/03- A17SS NM-214-009-161-JCCC B17SS NM-214-015-161-JCCC C17SS NM-214-021-161-JCCC D17SS NM-214-025-161-JCCC E17SS NM-214-031-161-JCCC F17SS NM-214-037-161-JCCC G17SS NM-214-051-161-JCCC	M32139/03- A17ST NM-215-009-161-JCCC B17ST NM-215-015-161-JCCC C17ST NM-215-021-161-JCCC D17ST NM-215-025-161-JCCC E17ST NM-215-031-161-JCCC F17ST NM-215-037-161-JCCC G17ST NM-215-051-161-JCCC
M32139/03- A18SC NM-213-009-161-JCCD B18SC NM-213-015-161-JCCD C18SC NM-213-021-161-JCCD D18SC NM-213-025-161-JCCD E18SC NM-213-031-161-JCCD F18SC NM-213-037-161-JCCD G18SC NM-213-051-161-JCCD	M32139/03- A18SN NM-212-009-161-JCCD B18SN NM-212-015-161-JCCD C18SN NM-212-021-161-JCCD D18SN NM-212-025-161-JCCD E18SN NM-212-031-161-JCCD F18SN NM-212-037-161-JCCD G18SN NM-212-051-161-JCCD	M32139/03- A18SS NM-214-009-161-JCCD B18SS NM-214-015-161-JCCD C18SS NM-214-021-161-JCCD D18SS NM-214-025-161-JCCD E18SS NM-214-031-161-JCCD F18SS NM-214-037-161-JCCD G18SS NM-214-051-161-JCCD	M32139/03- A18ST NM-215-009-161-JCCD B18ST NM-215-015-161-JCCD C18ST NM-215-021-161-JCCD D18ST NM-215-025-161-JCCD E18ST NM-215-031-161-JCCD F18ST NM-215-037-161-JCCD G18ST NM-215-051-161-JCCD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/04-	M32139/04-	M32139/04-	M32139/04-
A01TC NM-223-009-261-THAE	A01TN NM-222-009-261-THAE	A01TS NM-224-009-261-THAE	A01TT NM-225-009-261-THAE
B01TC NM-223-015-261-THAE	B01TN NM-222-015-261-THAE	B01TS NM-224-015-261-THAE	B01TT NM-225-015-261-THAE
C01TC NM-223-021-261-THAE	C01TN NM-222-021-261-THAE	C01TS NM-224-021-261-THAE	C01TT NM-225-021-261-THAE
D01TC NM-223-025-261-THAE	D01TN NM-222-025-261-THAE	D01TS NM-224-025-261-THAE	D01TT NM-225-025-261-THAE
E01TC NM-223-031-261-THAE	E01TN NM-222-031-261-THAE	E01TS NM-224-031-261-THAE	E01TT NM-225-031-261-THAE
F01TC NM-223-037-261-THAE	F01TN NM-222-037-261-THAE	F01TS NM-224-037-261-THAE	F01TT NM-225-037-261-THAE
G01TC NM-223-051-261-THAE	G01TN NM-222-051-261-THAE	G01TS NM-224-051-261-THAE	G01TT NM-225-051-261-THAE
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A02TC NM-223-009-261-THAG	A02TN NM-222-009-261-THAG	A02TS NM-224-009-261-THAG	A02TT NM-225-009-261-THAG
B02TC NM-223-015-261-THAG	B02TN NM-222-015-261-THAG	B02TS NM-224-015-261-THAG	B02TT NM-225-015-261-THAG
C02TC NM-223-021-261-THAG	C02TN NM-222-021-261-THAG	C02TS NM-224-021-261-THAG	C02TT NM-225-021-261-THAG
D02TC NM-223-025-261-THAG	D02TN NM-222-025-261-THAG	D02TS NM-224-025-261-THAG	D02TT NM-225-025-261-THAG
E02TC NM-223-031-261-THAG	E02TN NM-222-031-261-THAG	E02TS NM-224-031-261-THAG	E02TT NM-225-031-261-THAG
F02TC NM-223-037-261-THAG	F02TN NM-222-037-261-THAG	F02TS NM-224-037-261-THAG	F02TT NM-225-037-261-THAG
G02TC NM-223-051-261-THAG	G02TN NM-222-051-261-THAG	G02TS NM-224-051-261-THAG	G02TT NM-225-051-261-THAG
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A03TC NM-223-009-261-THAH	A03TN NM-222-009-261-THAH	A03TS NM-224-009-261-THAH	A03TT NM-225-009-261-THAH
B03TC NM-223-015-261-THAH	B03TN NM-222-015-261-THAH	B03TS NM-224-015-261-THAH	B03TT NM-225-015-261-THAH
C03TC NM-223-021-261-THAH	C03TN NM-222-021-261-THAH	C03TS NM-224-021-261-THAH	C03TT NM-225-021-261-THAH
D03TC NM-223-025-261-THAH	D03TN NM-222-025-261-THAH	D03TS NM-224-025-261-THAH	D03TT NM-225-025-261-THAH
E03TC NM-223-031-261-THAH	E03TN NM-222-031-261-THAH	E03TS NM-224-031-261-THAH	E03TT NM-225-031-261-THAH
F03TC NM-223-037-261-THAH	F03TN NM-222-037-261-THAH	F03TS NM-224-037-261-THAH	F03TT NM-225-037-261-THAH
G03TC NM-223-051-261-THAH	G03TN NM-222-051-261-THAH	G03TS NM-224-051-261-THAH	G03TT NM-225-051-261-THAH
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A04TC NM-223-009-261-THAA	A04TN NM-222-009-261-THAA	A04TS NM-224-009-261-THAA	A04TT NM-225-009-261-THAA
B04TC NM-223-015-261-THAA	B04TN NM-222-015-261-THAA	B04TS NM-224-015-261-THAA	B04TT NM-225-015-261-THAA
C04TC NM-223-021-261-THAA	C04TN NM-222-021-261-THAA	C04TS NM-224-021-261-THAA	C04TT NM-225-021-261-THAA
D04TC NM-223-025-261-THAA	D04TN NM-222-025-261-THAA	D04TS NM-224-025-261-THAA	D04TT NM-225-025-261-THAA
E04TC NM-223-031-261-THAA	E04TN NM-222-031-261-THAA	E04TS NM-224-031-261-THAA	E04TT NM-225-031-261-THAA
F04TC NM-223-037-261-THAA	F04TN NM-222-037-261-THAA	F04TS NM-224-037-261-THAA	F04TT NM-225-037-261-THAA
G04TC NM-223-051-261-THAA	G04TN NM-222-051-261-THAA	G04TS NM-224-051-261-THAA	G04TT NM-225-051-261-THAA
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A05TC NM-223-009-261-THAC	A05TN NM-222-009-261-THAC	A05TS NM-224-009-261-THAC	A05TT NM-225-009-261-THAC
B05TC NM-223-015-261-THAC	B05TN NM-222-015-261-THAC	B05TS NM-224-015-261-THAC	B05TT NM-225-015-261-THAC
C05TC NM-223-021-261-THAC	C05TN NM-222-021-261-THAC	C05TS NM-224-021-261-THAC	C05TT NM-225-021-261-THAC
D05TC NM-223-025-261-THAC	D05TN NM-222-025-261-THAC	D05TS NM-224-025-261-THAC	D05TT NM-225-025-261-THAC
E05TC NM-223-031-261-THAC	E05TN NM-222-031-261-THAC	E05TS NM-224-031-261-THAC	E05TT NM-225-031-261-THAC
F05TC NM-223-037-261-THAC	F05TN NM-222-037-261-THAC	F05TS NM-224-037-261-THAC	F05TT NM-225-037-261-THAC
G05TC NM-223-051-261-THAC	G05TN NM-222-051-261-THAC	G05TS NM-224-051-261-THAC	G05TT NM-225-051-261-THAC
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A06TC NM-223-009-261-THAD	A06TN NM-222-009-261-THAD	A06TS NM-224-009-261-THAD	A06TT NM-225-009-261-THAD
B06TC NM-223-015-261-THAD	B06TN NM-222-015-261-THAD	B06TS NM-224-015-261-THAD	B06TT NM-225-015-261-THAD
C06TC NM-223-021-261-THAD	C06TN NM-222-021-261-THAD	C06TS NM-224-021-261-THAD	C06TT NM-225-021-261-THAD
D06TC NM-223-025-261-THAD	D06TN NM-222-025-261-THAD	D06TS NM-224-025-261-THAD	D06TT NM-225-025-261-THAD
E06TC NM-223-031-261-THAD	E06TN NM-222-031-261-THAD	E06TS NM-224-031-261-THAD	E06TT NM-225-031-261-THAD
F06TC NM-223-037-261-THAD	F06TN NM-222-037-261-THAD	F06TS NM-224-037-261-THAD	F06TT NM-225-037-261-THAD
G06TC NM-223-051-261-THAD	G06TN NM-222-051-261-THAD	G06TS NM-224-051-261-THAD	G06TT NM-225-051-261-THAD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.



Military Cross Reference Chart

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M32139/04- A07TC NM-223-009-261-THBE B07TC NM-223-015-261-THBE C07TC NM-223-021-261-THBE D07TC NM-223-025-261-THBE E07TC NM-223-031-261-THBE F07TC NM-223-037-261-THBE G07TC NM-223-051-261-THBE	M32139/04- A07TN(S) NM-222-009-261-THBE B07TN(S) NM-222-015-261-THBE C07TN(S) NM-222-021-261-THBE D07TN(S) NM-222-025-261-THBE E07TN(S) NM-222-031-261-THBE F07TN(S) NM-222-037-261-THBE G07TN(S) NM-222-051-261-THBE	M32139/04- A07TS(S) NM-224-009-261-THBE B07TS(S) NM-224-015-261-THBE C07TS(S) NM-224-021-261-THBE D07TS(S) NM-224-025-261-THBE E07TS(S) NM-224-031-261-THBE F07TS(S) NM-224-037-261-THBE G07TS(S) NM-224-051-261-THBE	M32139/04- A07TT(S) NM-225-009-261-THBE B07TT(S) NM-225-015-261-THBE C07TT(S) NM-225-021-261-THBE D07TT(S) NM-225-025-261-THBE E07TT(S) NM-225-031-261-THBE F07TT(S) NM-225-037-261-THBE G07TT(S) NM-225-051-261-THBE
M32139/04- A08TC NM-223-009-261-THBG B08TC NM-223-015-261-THBG C08TC NM-223-021-261-THBG D08TC NM-223-025-261-THBG E08TC NM-223-031-261-THBG F08TC NM-223-037-261-THBG G08TC NM-223-051-261-THBG	M32139/04- A08TN(S) NM-222-009-261-THBG B08TN(S) NM-222-015-261-THBG C08TN(S) NM-222-021-261-THBG D08TN(S) NM-222-025-261-THBG E08TN(S) NM-222-031-261-THBG F08TN(S) NM-222-037-261-THBG G08TN(S) NM-222-051-261-THBG	M32139/04- A08TS(S) NM-224-009-261-THBG B08TS(S) NM-224-015-261-THBG C08TS(S) NM-224-021-261-THBG D08TS(S) NM-224-025-261-THBG E08TS(S) NM-224-031-261-THBG F08TS(S) NM-224-037-261-THBG G08TS(S) NM-224-051-261-THBG	M32139/04- A08TT(S) NM-225-009-261-THBG B08TT(S) NM-225-015-261-THBG C08TT(S) NM-225-021-261-THBG D08TT(S) NM-225-025-261-THBG E08TT(S) NM-225-031-261-THBG F08TT(S) NM-225-037-261-THBG G08TT(S) NM-225-051-261-THBG
M32139/04- A09TC NM-223-009-261-THBH B09TC NM-223-015-261-THBH C09TC NM-223-021-261-THBH D09TC NM-223-025-261-THBH E09TC NM-223-031-261-THBH F09TC NM-223-037-261-THBH G09TC NM-223-051-261-THBH	M32139/04- A09TN(S) NM-222-009-261-THBH B09TN(S) NM-222-015-261-THBH C09TN(S) NM-222-021-261-THBH D09TN(S) NM-222-025-261-THBH E09TN(S) NM-222-031-261-THBH F09TN(S) NM-222-037-261-THBH G09TN(S) NM-222-051-261-THBH	M32139/04- A09TS(S) NM-224-009-261-THBH B09TS(S) NM-224-015-261-THBH C09TS(S) NM-224-021-261-THBH D09TS(S) NM-224-025-261-THBH E09TS(S) NM-224-031-261-THBH F09TS(S) NM-224-037-261-THBH G09TS(S) NM-224-051-261-THBH	M32139/04- A09TT(S) NM-225-009-261-THBH B09TT(S) NM-225-015-261-THBH C09TT(S) NM-225-021-261-THBH D09TT(S) NM-225-025-261-THBH E09TT(S) NM-225-031-261-THBH F09TT(S) NM-225-037-261-THBH G09TT(S) NM-225-051-261-THBH
M32139/04- A10TC NM-223-009-261-THBA B10TC NM-223-015-261-THBA C10TC NM-223-021-261-THBA D10TC NM-223-025-261-THBA E10TC NM-223-031-261-THBA F10TC NM-223-037-261-THBA G10TC NM-223-051-261-THBA	M32139/04- A10TN(S) NM-222-009-261-THBA B10TN(S) NM-222-015-261-THBA C10TN(S) NM-222-021-261-THBA D10TN(S) NM-222-025-261-THBA E10TN(S) NM-222-031-261-THBA F10TN(S) NM-222-037-261-THBA G10TN(S) NM-222-051-261-THBA	M32139/04- A10TS(S) NM-224-009-261-THBA B10TS(S) NM-224-015-261-THBA C10TS(S) NM-224-021-261-THBA D10TS(S) NM-224-025-261-THBA E10TS(S) NM-224-031-261-THBA F10TS(S) NM-224-037-261-THBA G10TS(S) NM-224-051-261-THBA	M32139/04- A10TT(S) NM-225-009-261-THBA B10TT(S) NM-225-015-261-THBA C10TT(S) NM-225-021-261-THBA D10TT(S) NM-225-025-261-THBA E10TT(S) NM-225-031-261-THBA F10TT(S) NM-225-037-261-THBA G10TT(S) NM-225-051-261-THBA
M32139/04- A11TC NM-223-009-261-THBC B11TC NM-223-015-261-THBC C11TC NM-223-021-261-THBC D11TC NM-223-025-261-THBC E11TC NM-223-031-261-THBC F11TC NM-223-037-261-THBC G11TC NM-223-051-261-THBC	M32139/04- A11TN(S) NM-222-009-261-THBC B11TN(S) NM-222-015-261-THBC C11TN(S) NM-222-021-261-THBC D11TN(S) NM-222-025-261-THBC E11TN(S) NM-222-031-261-THBC F11TN(S) NM-222-037-261-THBC G11TN(S) NM-222-051-261-THBC	M32139/04- A11TS(S) NM-224-009-261-THBC B11TS(S) NM-224-015-261-THBC C11TS(S) NM-224-021-261-THBC D11TS(S) NM-224-025-261-THBC E11TS(S) NM-224-031-261-THBC F11TS(S) NM-224-037-261-THBC G11TS(S) NM-224-051-261-THBC	M32139/04- A11TT(S) NM-225-009-261-THBC B11TT(S) NM-225-015-261-THBC C11TT(S) NM-225-021-261-THBC D11TT(S) NM-225-025-261-THBC E11TT(S) NM-225-031-261-THBC F11TT(S) NM-225-037-261-THBC G11TT(S) NM-225-051-261-THBC
M32139/04- A12TC NM-223-009-261-THBD B12TC NM-223-015-261-THBD C12TC NM-223-021-261-THBD D12TC NM-223-025-261-THBD E12TC NM-223-031-261-THBD F12TC NM-223-037-261-THBD G12TC NM-223-051-261-THBD	M32139/04- A12TN(S) NM-222-009-261-THBD B12TN(S) NM-222-015-261-THBD C12TN(S) NM-222-021-261-THBD D12TN(S) NM-222-025-261-THBD E12TN(S) NM-222-031-261-THBD F12TN(S) NM-222-037-261-THBD G12TN(S) NM-222-051-261-THBD	M32139/04- A12TS(S) NM-224-009-261-THBD B12TS(S) NM-224-015-261-THBD C12TS(S) NM-224-021-261-THBD D12TS(S) NM-224-025-261-THBD E12TS(S) NM-224-031-261-THBD F12TS(S) NM-224-037-261-THBD G12TS(S) NM-224-051-261-THBD	M32139/04- A12TT(S) NM-225-009-261-THBD B12TT(S) NM-225-015-261-THBD C12TT(S) NM-225-021-261-THBD D12TT(S) NM-225-025-261-THBD E12TT(S) NM-225-031-261-THBD F12TT(S) NM-225-037-261-THBD G12TT(S) NM-225-051-261-THBD

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SPACE CLASS DESIGNATOR - (S)

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Military Cross Reference Chart

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.