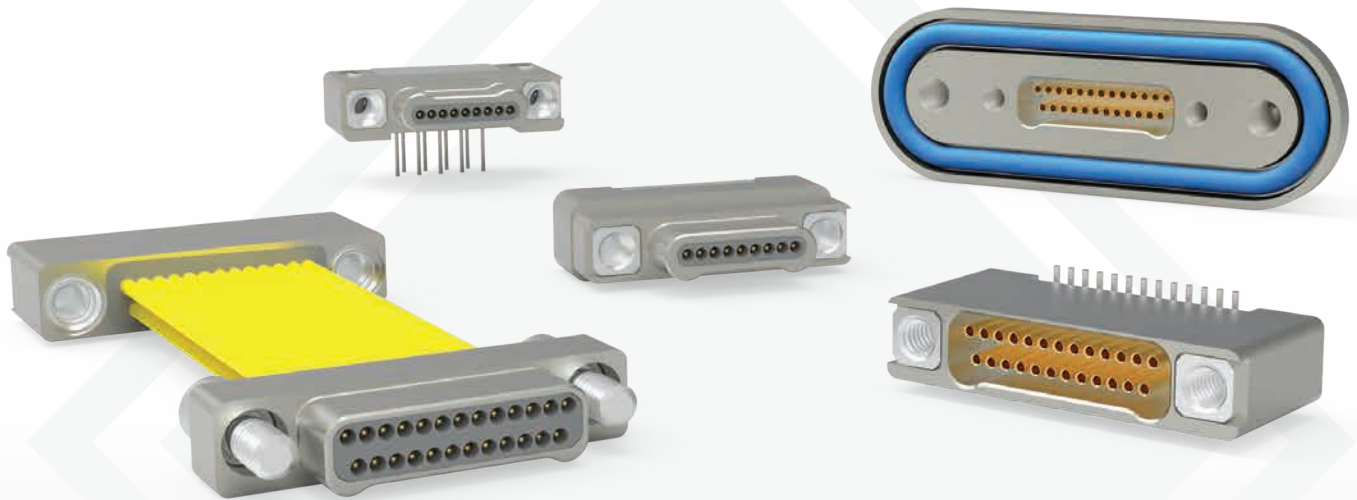


molex



AirBorn N Series

Nano-D Connectors — 0.025" (0.64mm)

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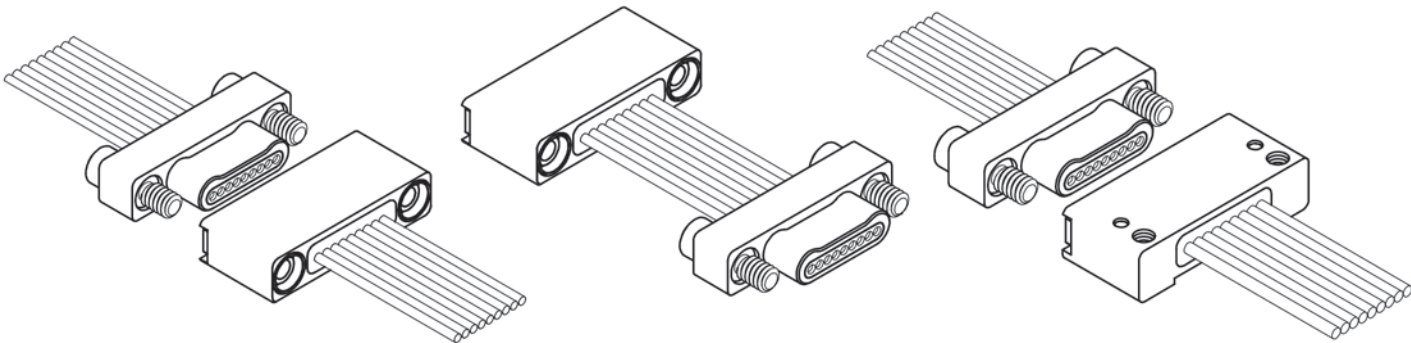
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AIRBORN N SERIES

NANO CONNECTORS CABLE-TO-CABLE ONE ROW

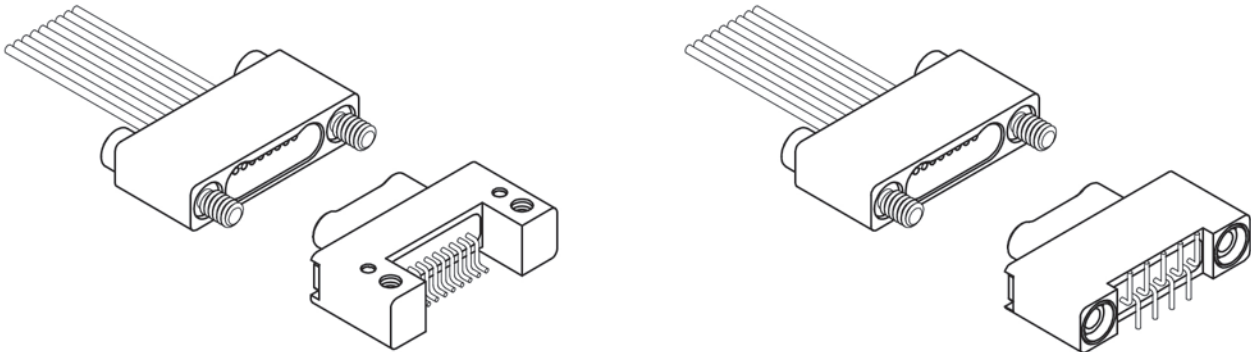


Cable to Cable
Sizes: 9 thru 51
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Cable to Cable, Jumpers
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Cable to Cable, with Mounting Holes
Sizes: 9 thru 51
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NANO CONNECTORS BOARD-TO-CABLE ONE ROW

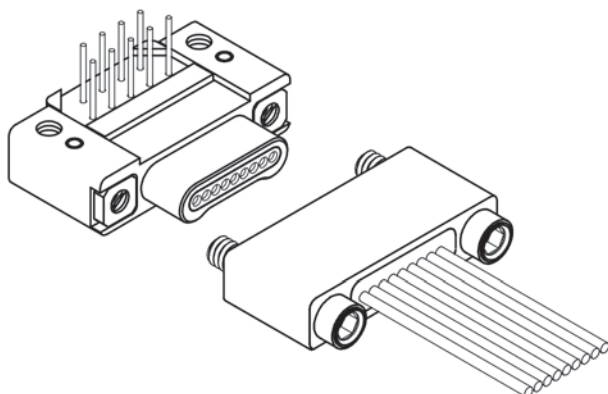


Cable to Horizontal SMT
Sizes: 9 thru 51
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Cable to Vertical SMT
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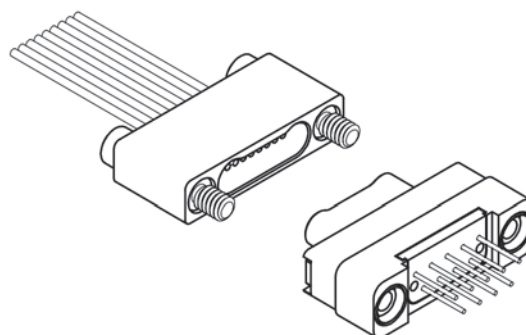
AIRBORN N SERIES

NANO CONNECTORS BOARD-TO-CABLE ONE ROW



Cable to Right Angle PTH

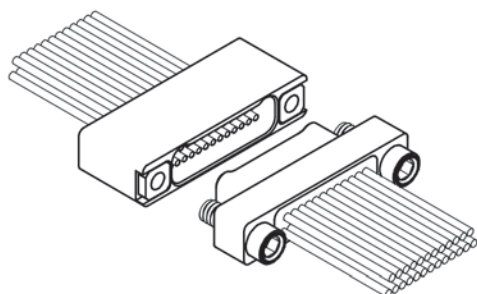
Sizes: 9 thru 51
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Cable to Vertical PTH

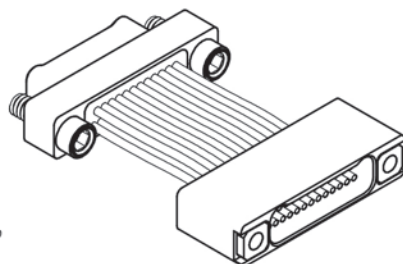
Sizes: 9 thru 51
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NANO CONNECTORS CABLE-TO CABLE-TWO ROW



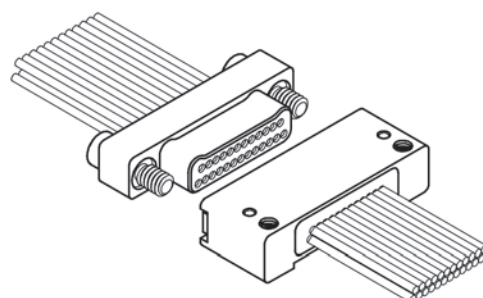
Cable to Cable

Sizes: 9 thru 91
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Cable to Cable, Jumpers

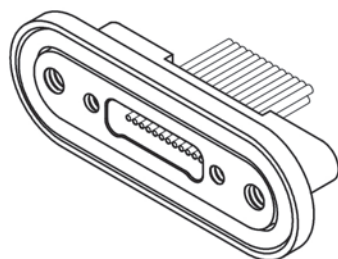
Sizes: 9 thru 91
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Cable to Cable, with Mounting Holes

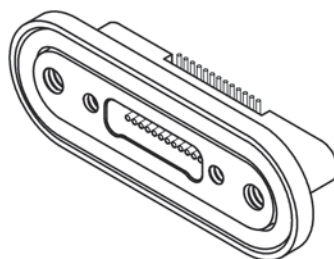
Sizes: 9 thru 91
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NANO CONNECTORS REAR PANEL MOUNT TWO ROW



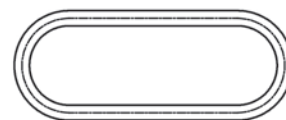
I/O

Sizes: 9 thru 85
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Vertical SMT

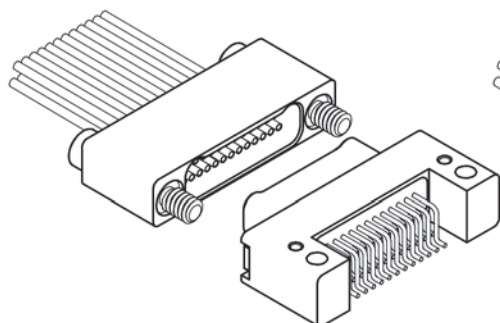
Sizes: 9 thru 85
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Replacement O-Rings
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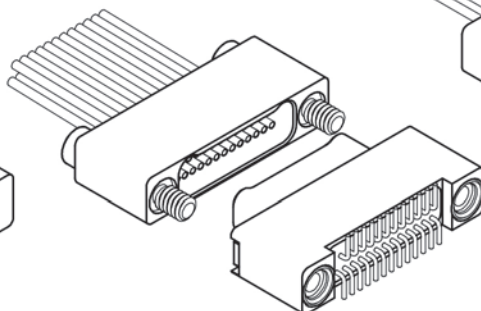
AIRBORN N SERIES

NANO CONNECTORS BOARD-TO-CABLE TWO ROW



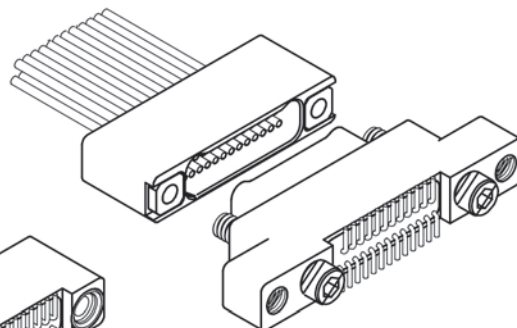
Cable to Horizontal SMT

Sizes: 9 thru 91
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Cable to Vertical SMT

Sizes: 9 thru 91
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Cable to Vertical SMT with Mounting Holes

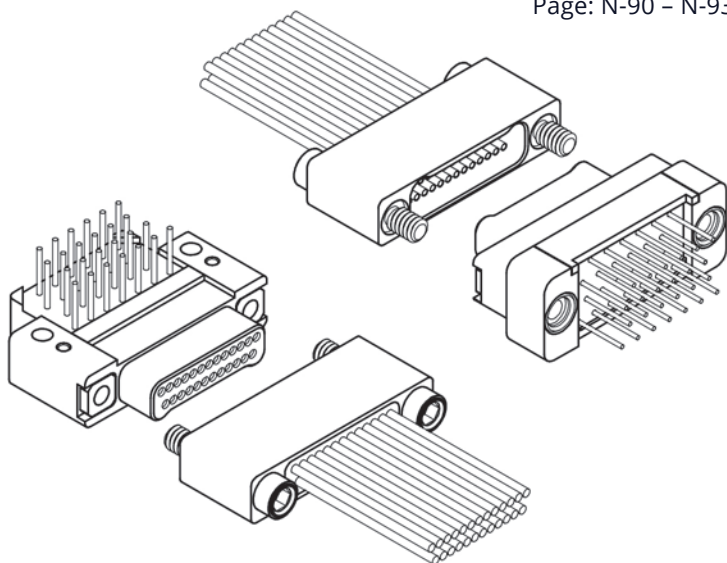
Sizes: 9 thru 91
Page: N-70 – N-72

NANO CONNECTORS BOARD-TO-CABLE TWO ROW

NANO CONNECTORS BOARD-TO-CABLE TWO ROW

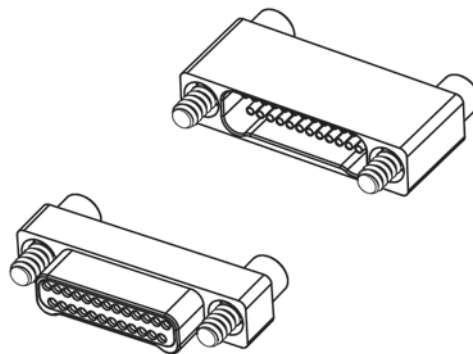
Cable to Vertical PTH

Sizes: 9 thru 91
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Cable to Right Angle PTH

Sizes: 9 thru 91
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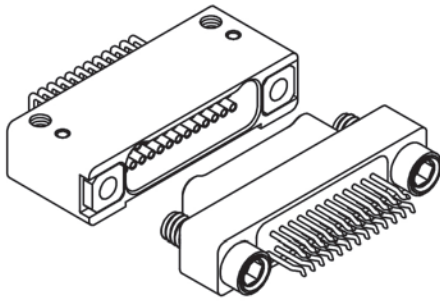


Shorting Connectors

Sizes: 9 thru 91
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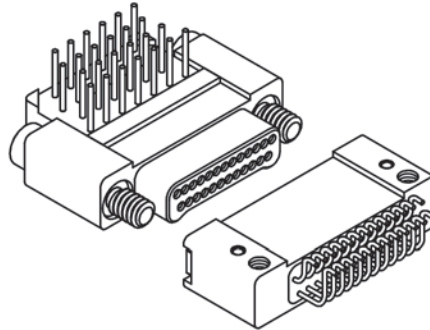
AIRBORN N SERIES

NANO CONNECTORS FLEX-TO-BOARD ONE AND TWO ROW



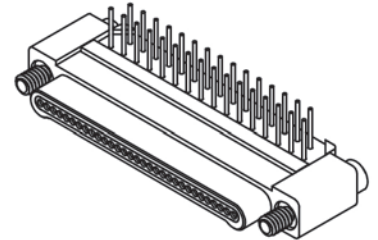
Straddle Mount Flex

Sizes: 9 thru 91
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Right Angle Flex Mount

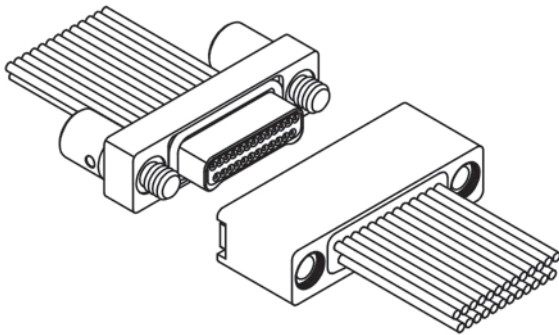
Sizes: 9 thru 91
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Right Angle Flex Mount

Sizes: 9 thru 91
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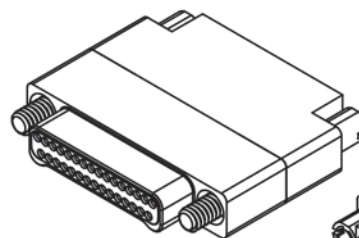
NANO CONNECTORS SPLASHPROOF TWO ROW



Cable to Cable, Splashproof

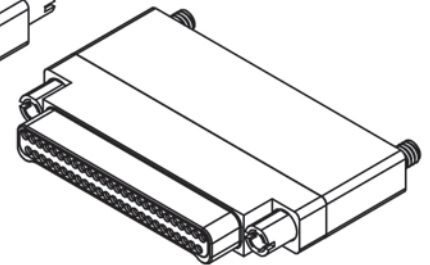
Sizes: 9 thru 91
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NANO TWO ROW CONNECTORS SAVER



Plug w/Threaded Hdw

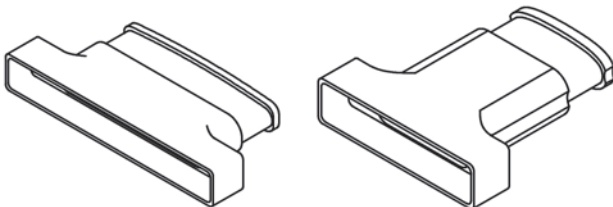
Sizes: 9 to 91
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Plug w/Fixed Hdw

Sizes: 9 to 91
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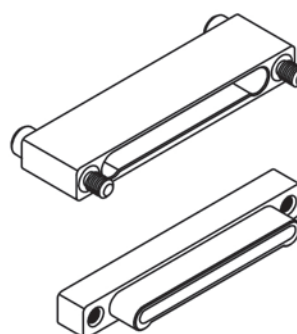
NANO BACKSHELLS ONE AND TWO ROW



One & Two Row Backshells

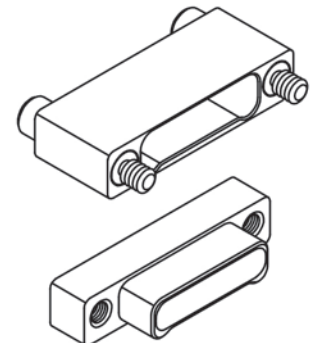
Sizes: 9 thru 51 (one row)
9 thru 91 (two row)
Page: N-153 – N-154

NANO DUST COVERS



One Row Dust Covers

Sizes: 9 thru 51
Page: N-155



Two Row Dust Covers

Sizes: 9 thru 91
Page: N-157

SPECIFICATIONS – MATERIALS AND FINISHES*

CONTACTS:	Pins: Beryllium-copper(BeCu) alloy strip per ASTM B194 Sockets: BeCu per ASTM-B-194 or nickel-silver (NiAg) per ASTM B-122
EMBEDMENT:	Insulating compound per MIL-I-16923
CONTACT FINISHES:	Gold plate per ASTM B488, SAE AMS 2422
MOLDED INSULATORS:	Glass filled liquid crystal polymer (LCP) per ASTM D5138 or MIL-M-24519
SHELLS:	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 AMS2404 OR Electrodeposited cadmium per SAE AMS-QQ-P-416
MOLDED INSULATORS:	Glass filled polyphenylene sulfide per MIL-M-24519 Glass filled liquid crystal polymer per ASTM D5138 (one row only)
HARDWARE:	Corrosion resistant steel per ASTM A320/A320M or ASTM A484 and ASTM A582/A582M Passivated per SAE AMS2700
TOLERANCES:** (Unless otherwise specified)	Angles: $\pm 2^\circ$ Decimals: .XXX = $\pm 0.005''$.XXXX = $\pm 0.0050''$

NOTES

Molex 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 MIL-DTL-32139 performance specifications.

CONTACT RATING:	1-amperes maximum
SOLDERABILITY:	Terminals (except crimp) tested in accordance with MIL-STD-202, method 208
WIRE SIZE:	Stranded #30 and #32 AWG or solid #30 AWG standard <i>(consult factory for other sizes and types)</i>
TEST VOLTAGE:	250V (RMS), 60 Hz
OPERATING TEMPERATURE:	-55° C to +125° C
INSULATION RESISTANCE:	5,000 megaohms minimum at 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 <i>(except steps 7a and 7b)</i>
THERMAL SHOCK:	Tested to the temperature extremes of EIA-364-32, condition I
CONTACT RESISTANCE:	0.021 volt maximum drop at 1.0 amps (.021 Ohms)
CONTACT ENGAGING FORCE:	5.0 oz maximum, with minimum diameter test sleeve
CONTACT SEPARATING:	0.4 oz 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 0.025" connectors begin with the letter "N". The second letter designates the various styles of 0.025" 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. Molex will provide individual code numbers as needed.

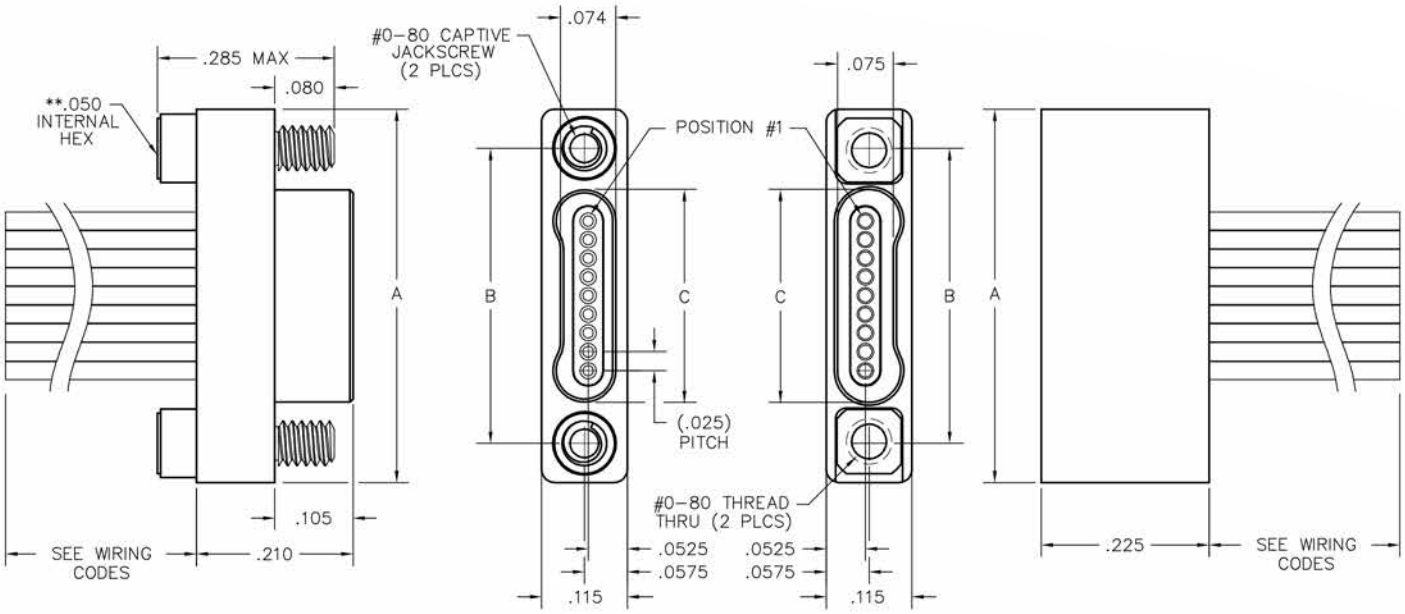
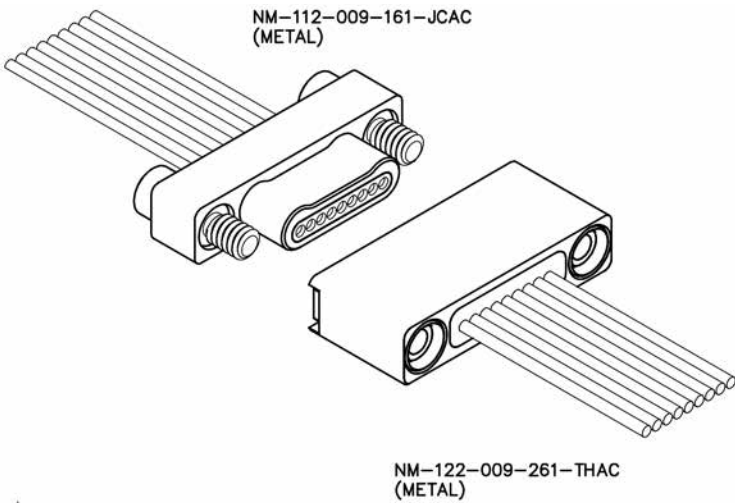
NOTES:

Each page is as comprehensive as possible. However, if you are unable to find a particular connector size or option, please contact the factory for further assistance.

[x] Option **not** RoHS compliant.

ONE ROW – CABLE-TO-CABLE

NM & NM
0.025" | 9 THROUGH 51 CONTACTS



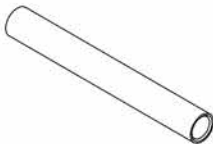
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	DIMENSIONS			
	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.

LEAD CONFIGURATION OPTIONS

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		STYLE OF HARDWARE: 00 None *** JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole**, #0-80 UNF	
WIRING OPTIONS: XX See wiring codes, Page N-151		WIRING OPTIONS: XX See wiring codes, Page N-151	

* = 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.

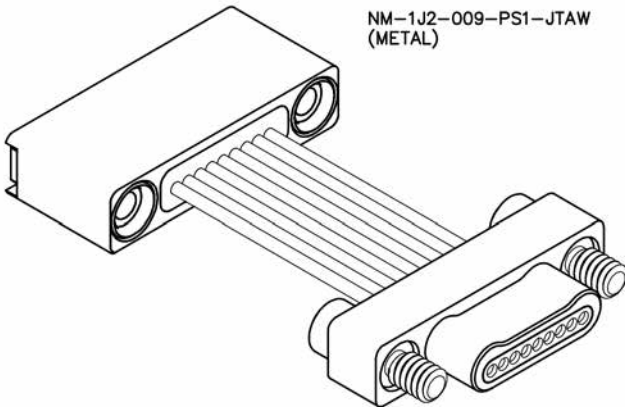
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

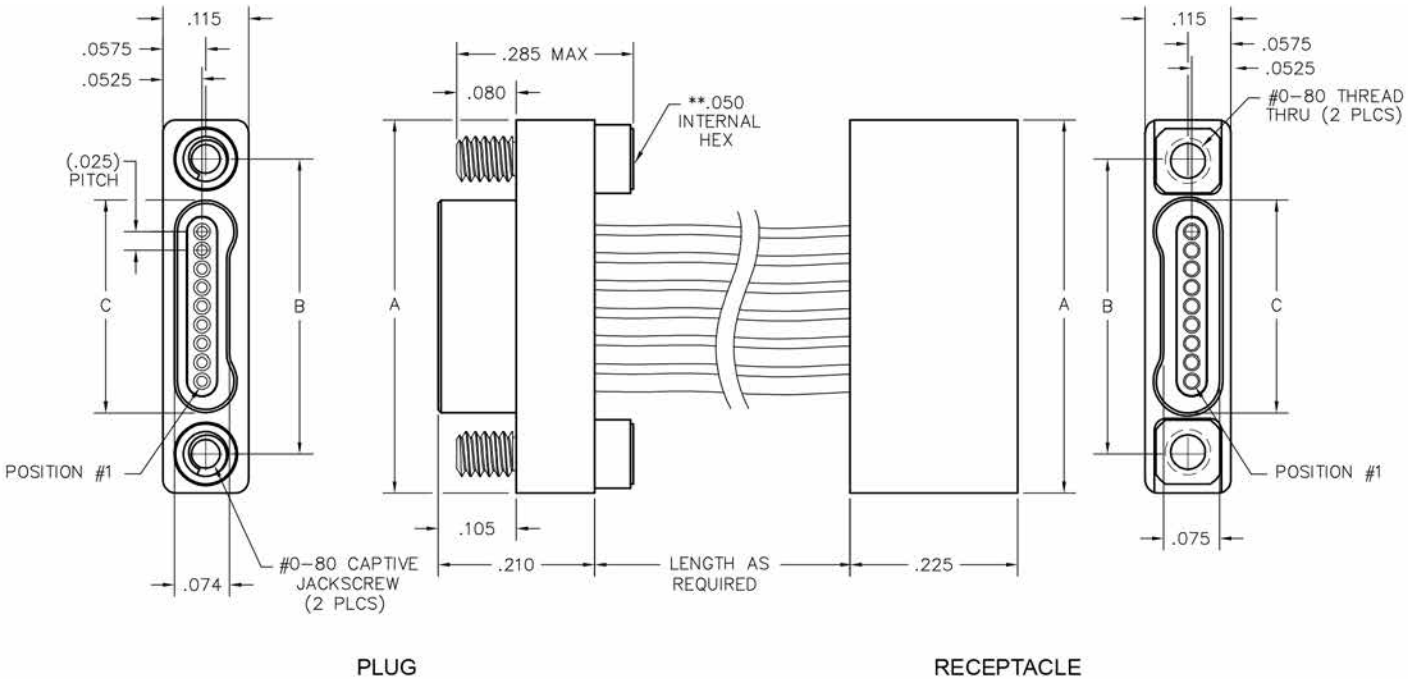
*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

ONE ROW – CABLE-TO-CABLE (JUMPER ASSEMBLY)



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



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



** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

LEAD CONFIGURATION OPTIONS

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 <input checked="" type="checkbox"/>								
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 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 N-151								

* = 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.

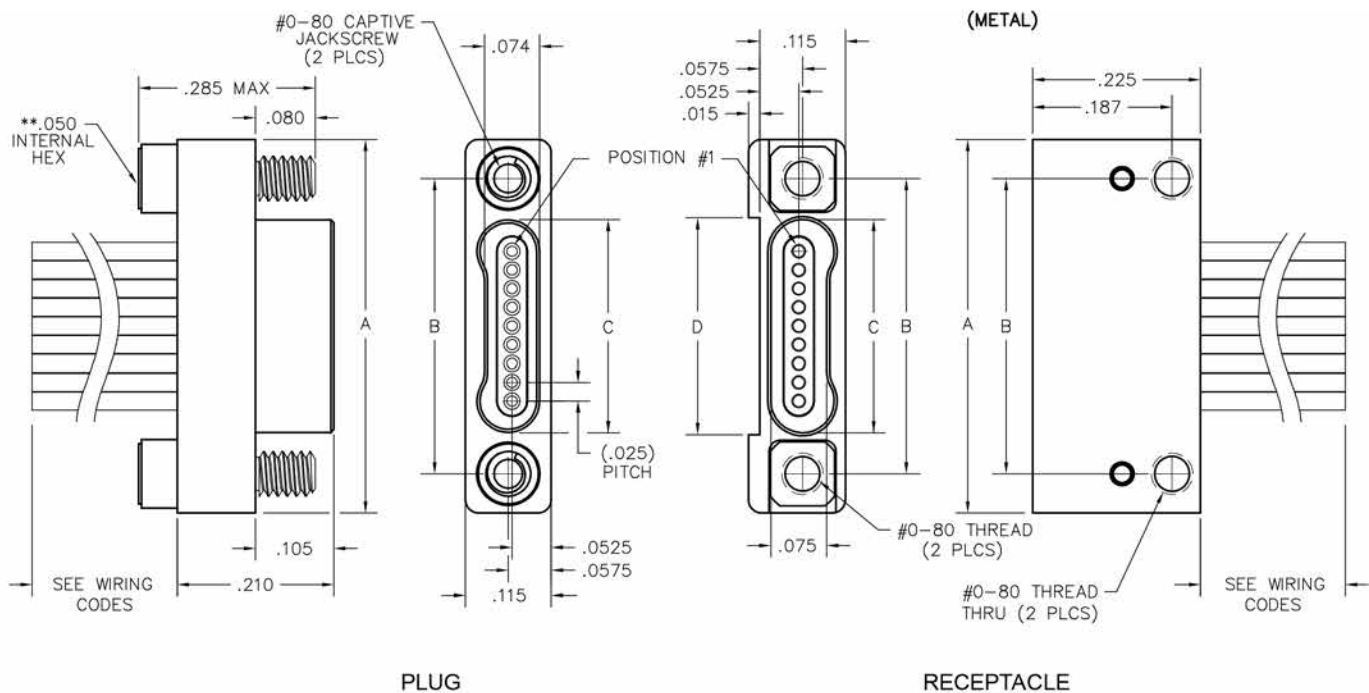
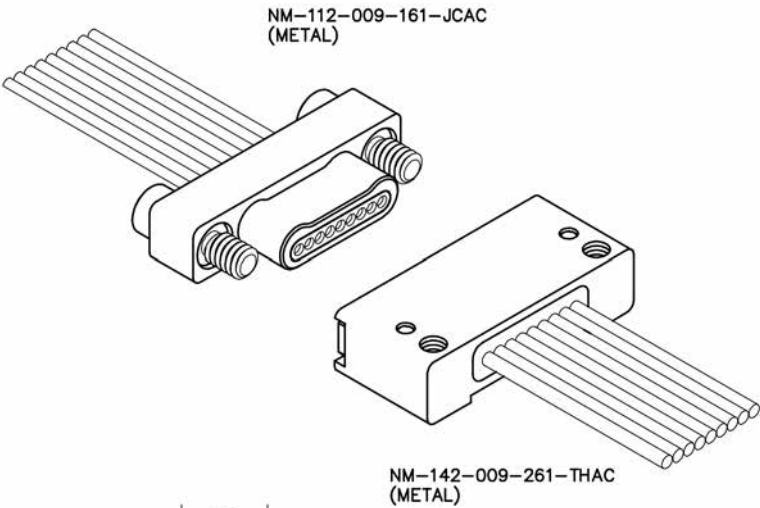
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

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

☒ = Option not RoHS compliant

ONE ROW – CABLE-TO-CABLE



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.

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1	Plug, straight	4	Receptacle, straight with mounting holes
5	Plug, straight with factory installed backshell (See page NA-4)		
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 <input checked="" type="checkbox"/>	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4	Liquid Crystal Polymer w/ stainless steel shell ***	4	Liquid Crystal Polymer w/ stainless steel shell
5	Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 u" Au contacts	1	50 u" Au contacts
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 N-151	XX	See wiring codes, Page N-151

* = 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.

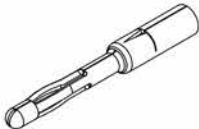
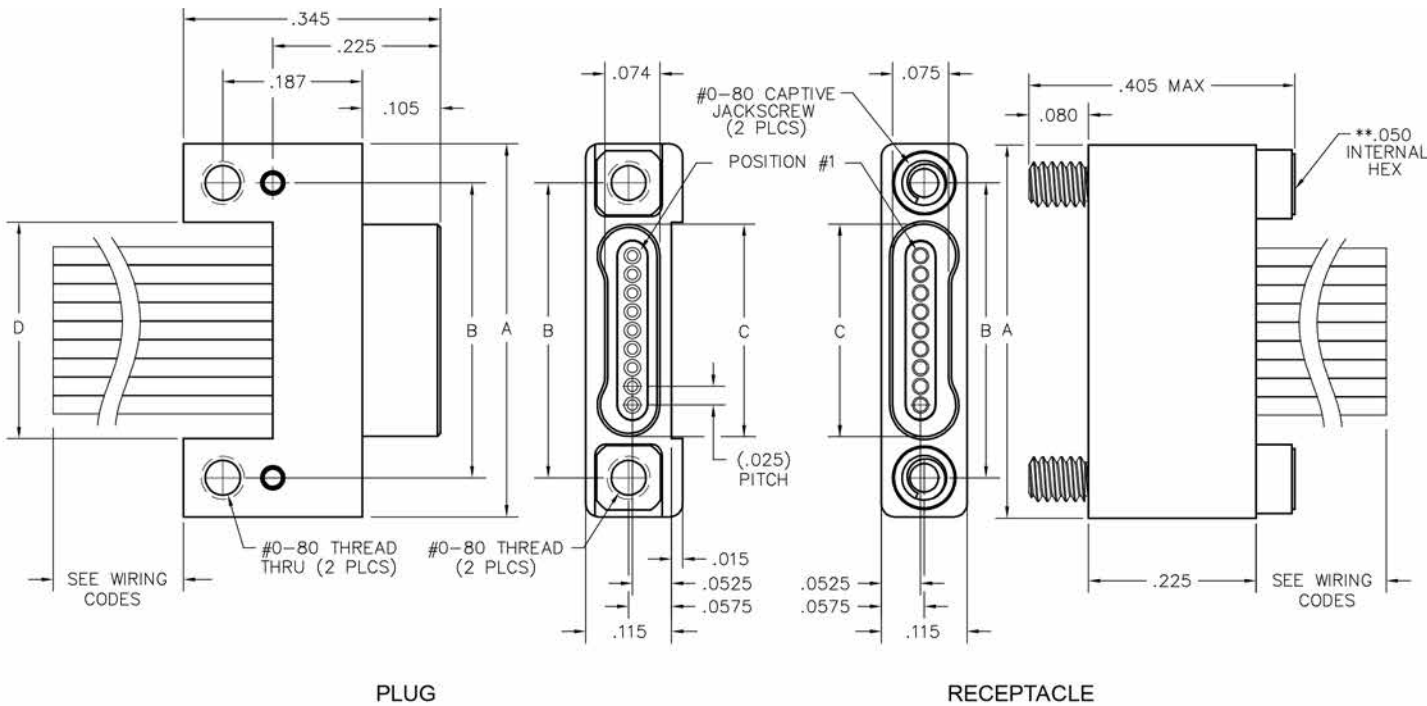
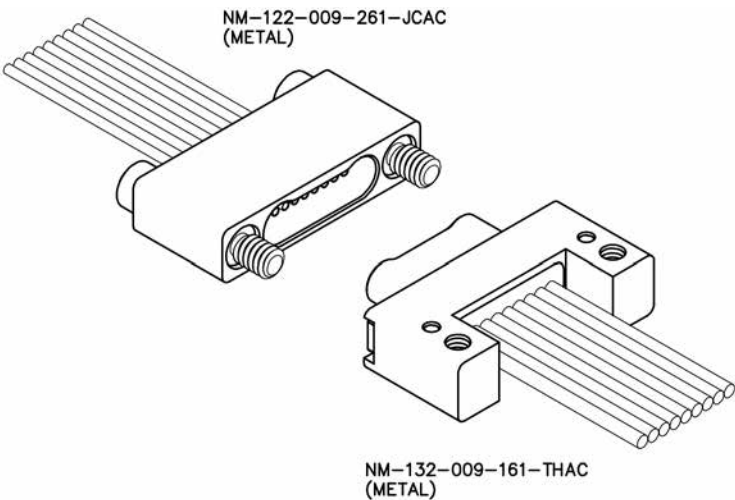
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

** = 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.

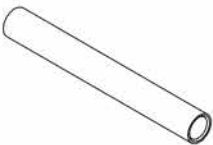
☒ = Option not RoHS compliant

ONE ROW – CABLE-TO-CABLE



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.

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
3	Plug, straight with mounting holes	2	Receptacle, straight
		6	Receptacle, straight with factory installed backshell (See page NA-4)
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 <input checked="" type="checkbox"/>	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell ***
5	Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00	None	00	None ***
TH	Threaded hole, #0-80 UNF **	JC	Turning jackscrews, captivated #0-80 UNF*
WIRING OPTIONS:		WIRING OPTIONS:	
XX	See wiring codes, Page N-151	XX	See wiring codes, Page N-151

* = 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

0.025" | 9 THROUGH 51 CONTACTS



LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
C Plug, horizontal mount SMT		2 Receptacle, straight	
		6 Receptacle, straight with factory installed backshell (See page NA-4)	
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell		4 Liquid Crystal Polymer w/ stainless steel shell ***	
5 Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
12 Pin, SMT		26 Socket, straight, crimped wire	
PLATING OPTIONS:		PLATING OPTIONS:	
5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>		1 50 u" Au contacts	
8 50 u" Au contacts; Tin plated terminations			
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None ***	
TH Threaded hole, #0-80 UNF **		JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS:		WIRING OPTIONS:	
00 None		XX See wiring codes, Page N-151	

* = 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.

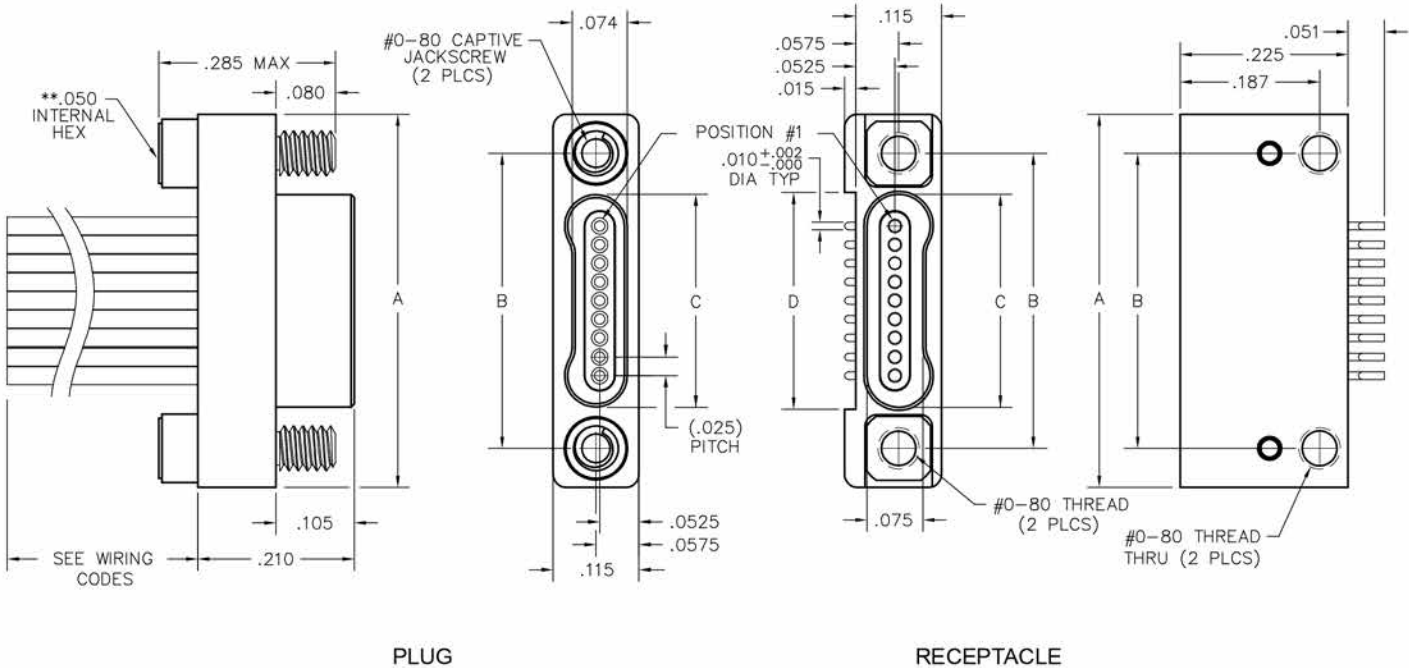
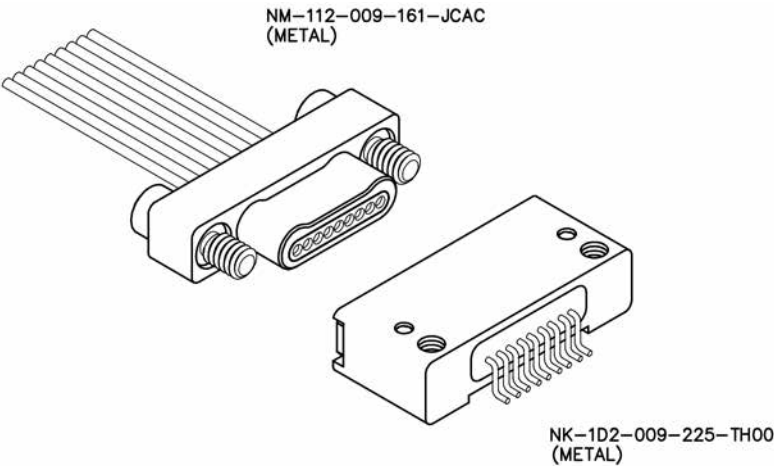
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

☒ = Option not RoHS compliant

ONE ROW – CABLE-TO-BOARD HORIZONTAL SMT

NM & NK
0.025" | 9 THROUGH 51 CONTACTS



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.

LEAD CONFIGURATION OPTIONS

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	
BODY STYLE:		BODY STYLE:	
1 Plug, straight		D Receptacle, horizontal mount SMT	
5 Plug, straight with factory installed backshell (See page NA-4)			
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell ***		4 Liquid Crystal Polymer w/ stainless steel shell	
5 Liquid Crystal Polymer w/ titanium 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:		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 <input checked="" type="checkbox"/>	
		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 N-151		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.

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

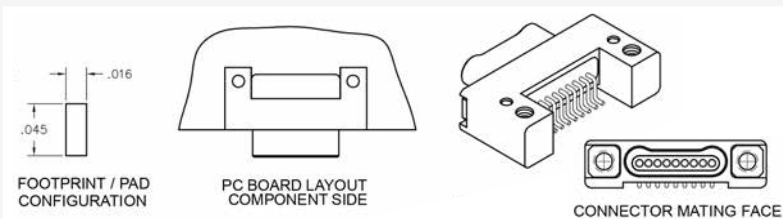
*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

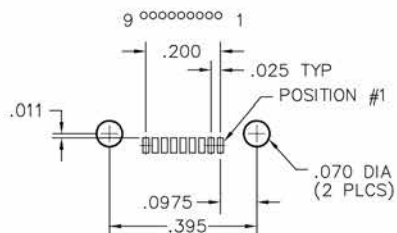
RECOMMENDED PC BOARD LAYOUTS

HORIZONTAL SMT PLUG

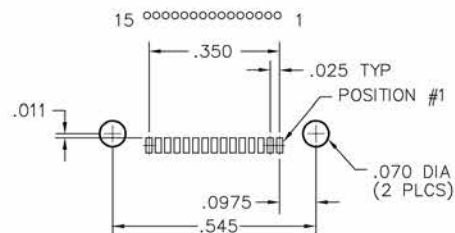
FOR REFERENCE ONLY



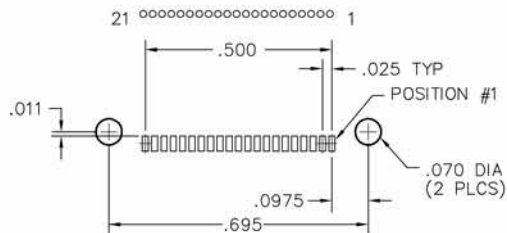
9 POSITION



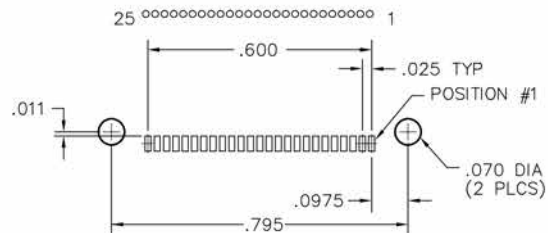
15 POSITION



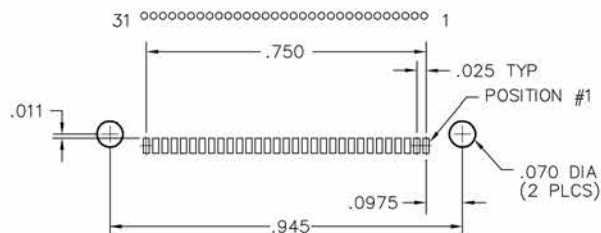
21 POSITION



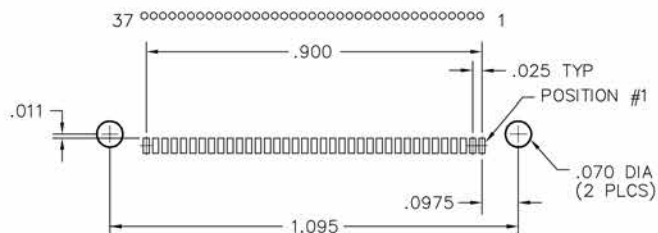
25 POSITION



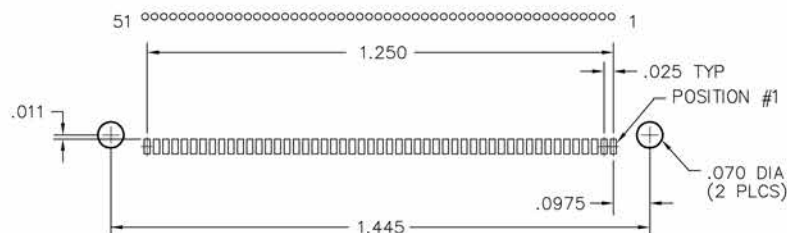
31 POSITION



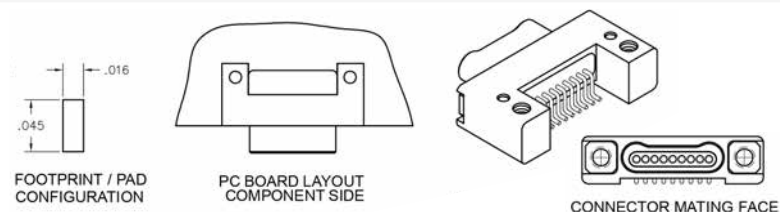
37 POSITION



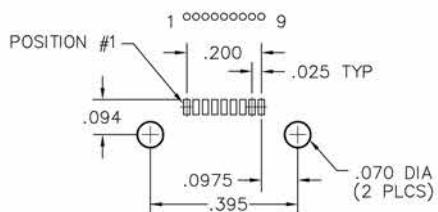
51 POSITION



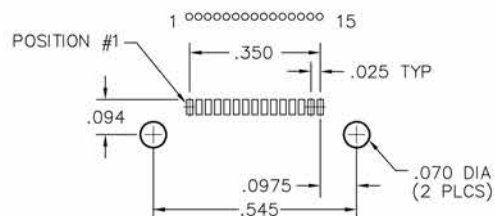
RECOMMENDED PC BOARD LAYOUTS
HORIZONTAL SMT PLUG
 FOR REFERENCE ONLY



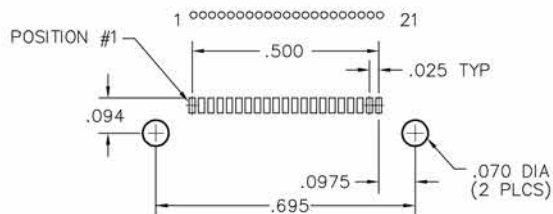
9 POSITION



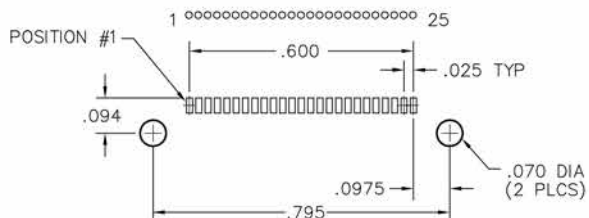
15 POSITION



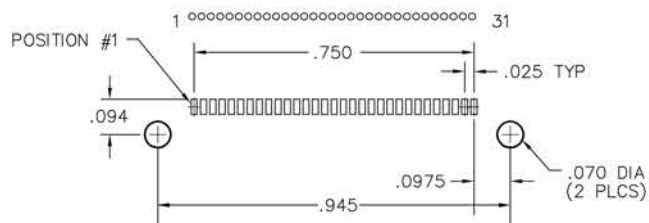
21 POSITION



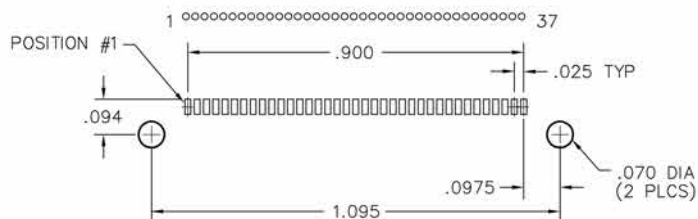
25 POSITION



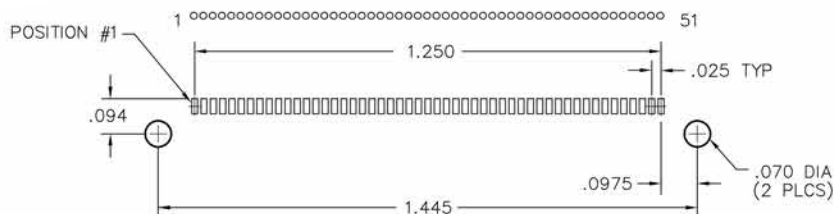
31 POSITION



37 POSITION



51 POSITION



0.025" | 9 THROUGH 51 CONTACTS



LEAD CONFIGURATION OPTIONS

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 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 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> 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: 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 <input checked="" type="checkbox"/> 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 N-151	
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.

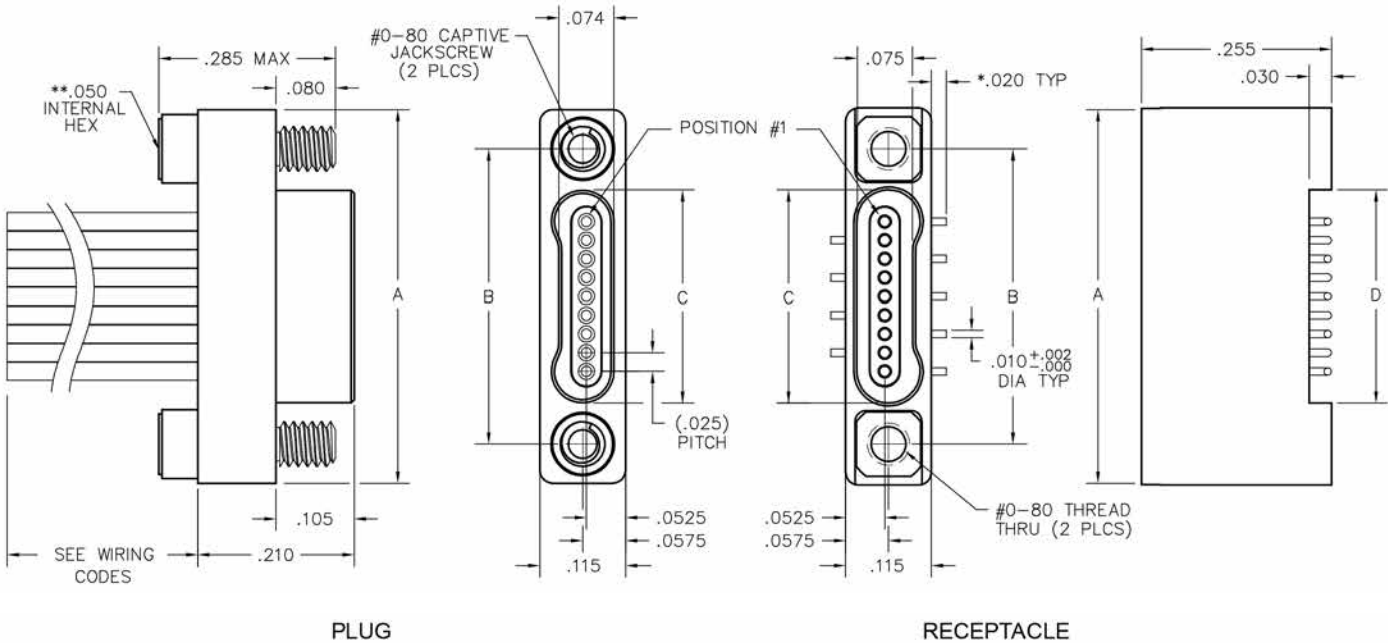
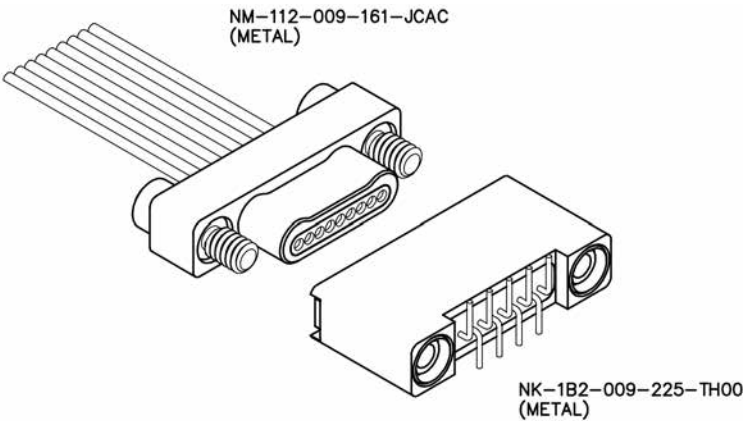
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

☒ = Option not RoHS compliant

ONE ROW – CABLE-TO-BOARD VERTICAL SMT

NM & NK
0.025" | 9 THROUGH 51 CONTACTS



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



* = DIMENSION CHANGES TO .040" FOR
".010" OPTION. SEE PAGE N-22.
** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

LEAD CONFIGURATION OPTIONS

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
5 Plug, straight with factory installed backshell (See page NA-4)	
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 <input checked="" type="checkbox"/>	3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4 Liquid Crystal Polymer w/ stainless steel shell ***	4 Liquid Crystal Polymer w/ stainless steel shell
5 Liquid Crystal Polymer w/ titanium 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:	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 <input checked="" type="checkbox"/>
	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 N-151	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.

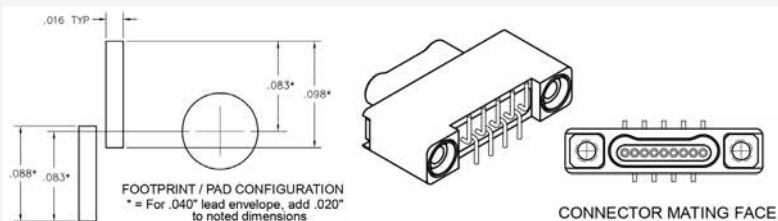
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

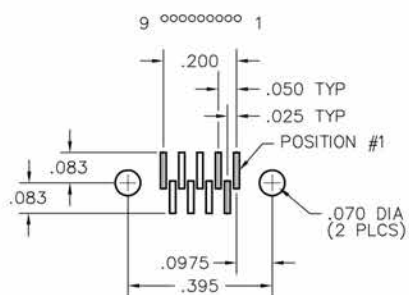
*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

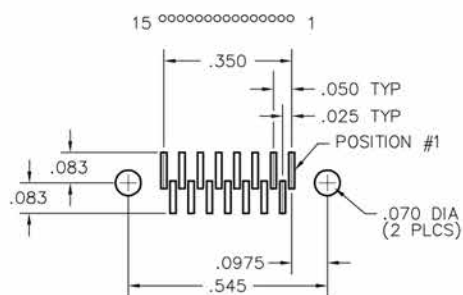
RECOMMENDED PC BOARD LAYOUTS
 VERTICAL SMT RECEPTACLE
 0.020" & 0.040" LEAD ENVELOPES
 FOR REFERENCE ONLY



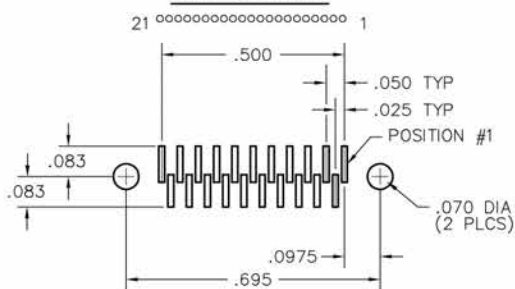
9 POSITION



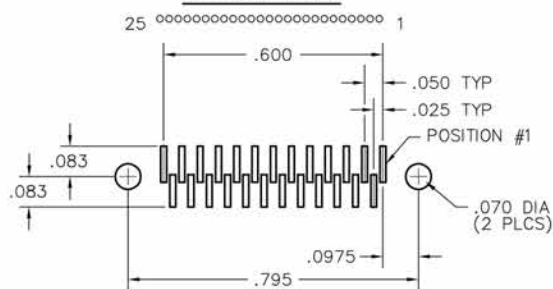
15 POSITION



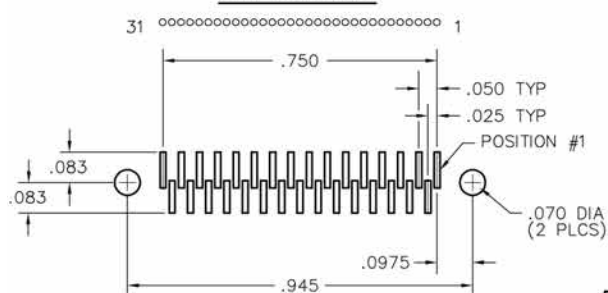
21 POSITION



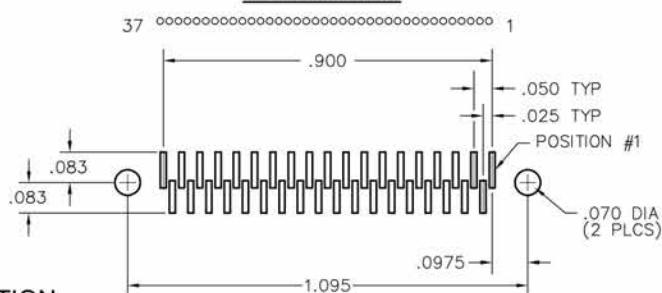
25 POSITION



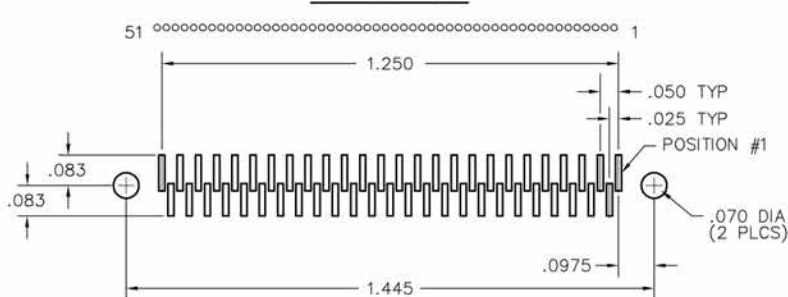
31 POSITION



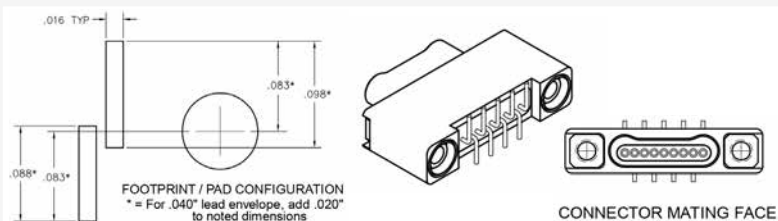
37 POSITION



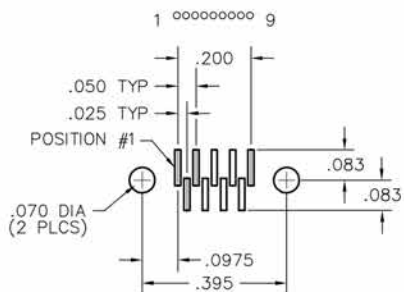
51 POSITION



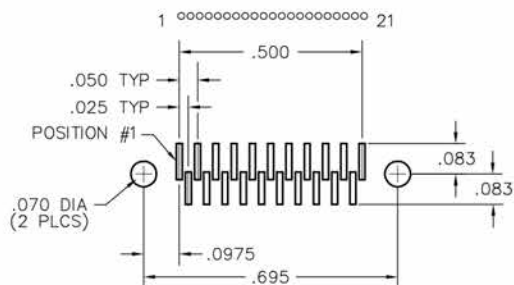
RECOMMENDED PC BOARD LAYOUTS
VERTICAL SMT RECEPTACLE
0.020" & 0.040" LEAD ENVELOPES
FOR REFERENCE ONLY



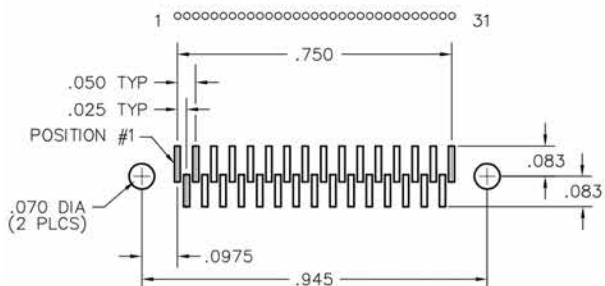
9 POSITION



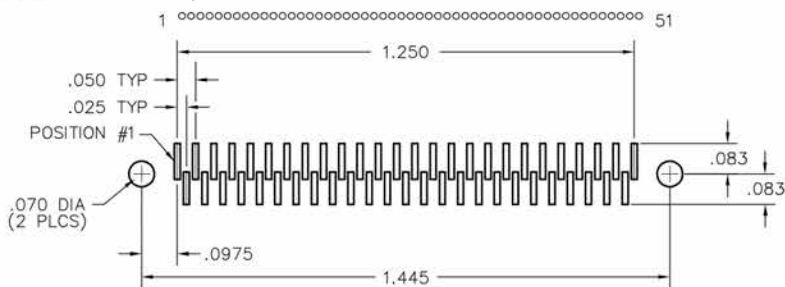
21 POSITION



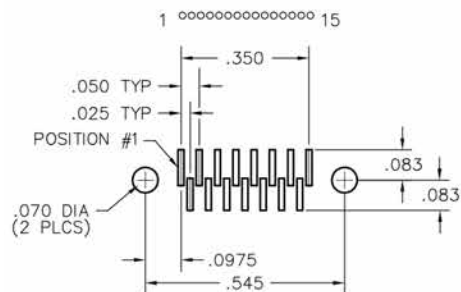
31 POSITION



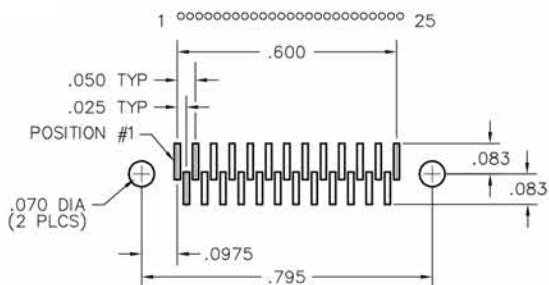
51 POSITION



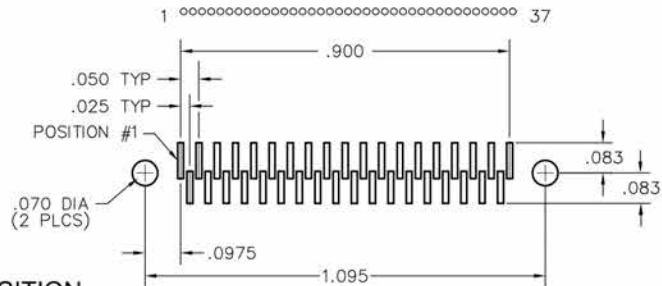
15 POSITION



25 POSITION



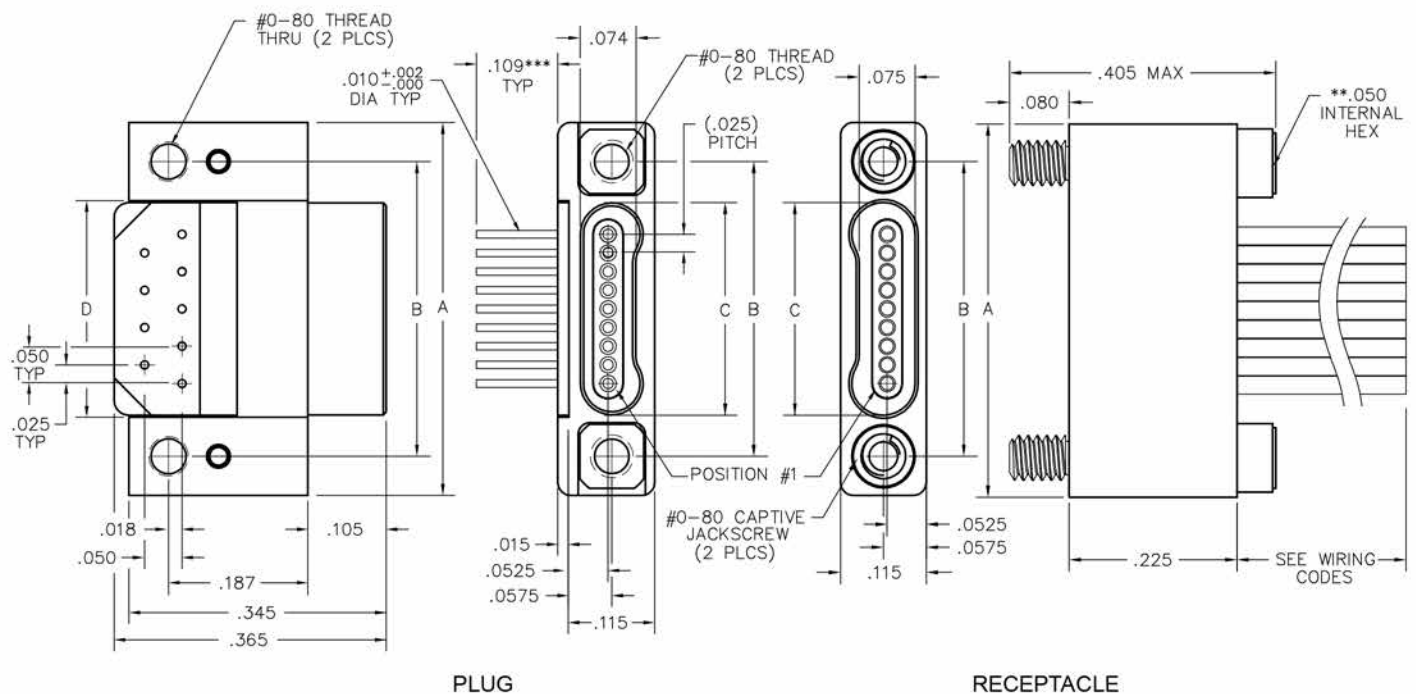
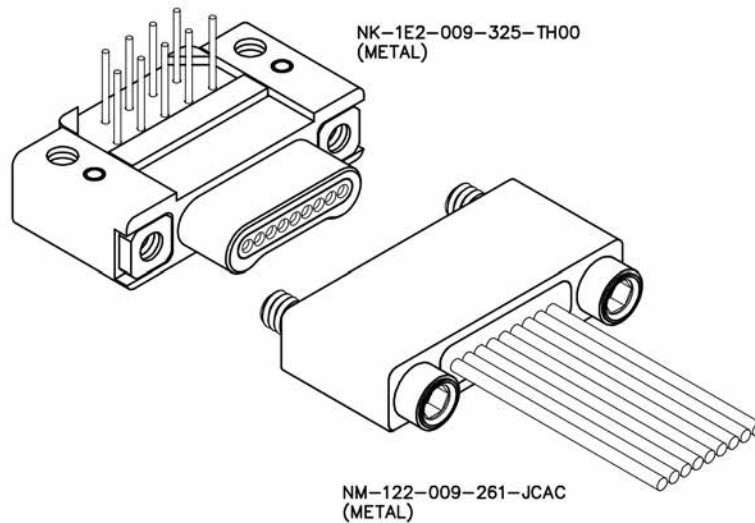
37 POSITION



ONE ROW – CABLE-TO-BOARD RIGHT-ANGLE PTH

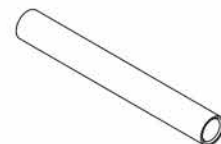
NM & NK

0.025" | 9 THROUGH 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



SOCKET CONTACT
DRAWN TUBE, CRIMP

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

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
E Plug, right angle, plated thru hole (PTH)		2 Receptacle, straight	
		6 Receptacle, straight with factory installed backshell (See page NA-4)	
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell		4 Liquid Crystal Polymer w/ stainless steel shell ***	
5 Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
32 Pin, right angle, .109"		26 Socket, straight, crimped wire	
33 Pin, right angle, .140"			
34 Pin, right angle, .172"			
PLATING OPTIONS:		PLATING OPTIONS:	
5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>		1 50 u" Au contacts	
8 50 u" Au contacts; Tin plated terminations			
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None ***	
TH Threaded hole, #0-80 UNF **		JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS:		WIRING OPTIONS:	
00 None		XX See wiring codes, Page N-151	

* = 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

0.025" | 9 THROUGH 51 CONTACTS

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1 Plug, straight		F Receptacle, right angle, plated thru hole (PTH)	
5 Plug, straight with factory installed backshell (See page NA-4)			
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell ***		4 Liquid Crystal Polymer w/ stainless steel shell	
5 Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
16 Pin, straight, crimped wire		43 Socket, right angle, .109"	
		44 Socket, right angle, .140"	
		45 Socket, right angle, .172"	
PLATING OPTIONS:		PLATING OPTIONS:	
1 50 u" Au contacts		5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>	
		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 N-151		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.

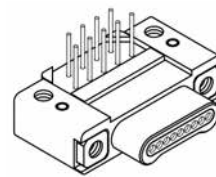
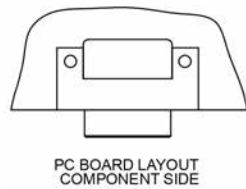
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

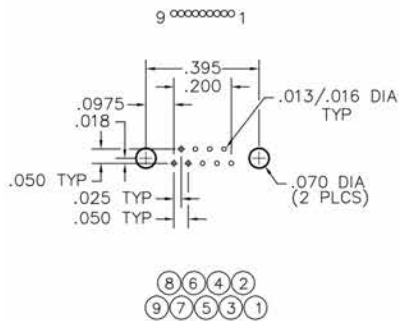
*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

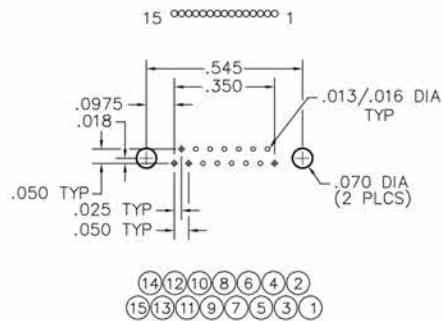
RECOMMENDED PC BOARD LAYOUTS
RIGHT-ANGLE PTH PLUG
 FOR REFERENCE ONLY



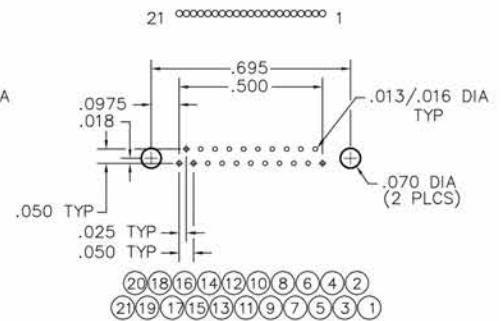
9 POSITION



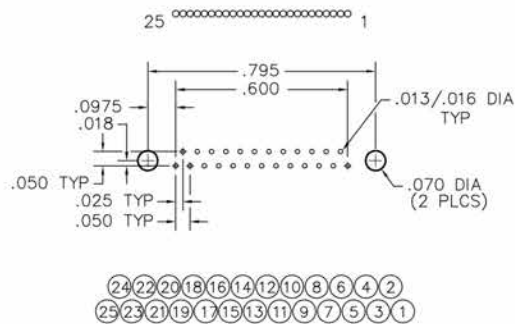
15 POSITION



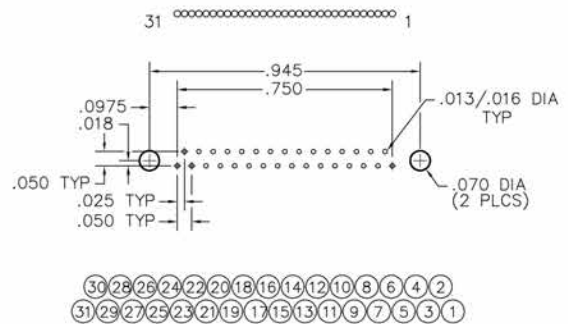
21 POSITION



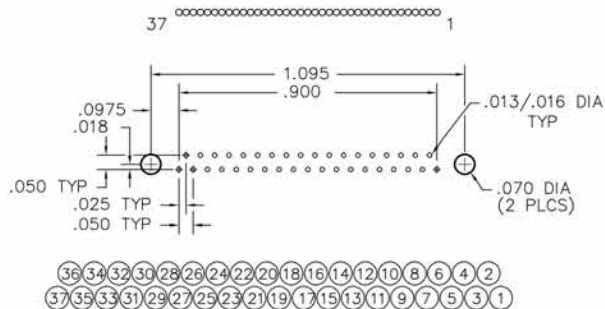
25 POSITION



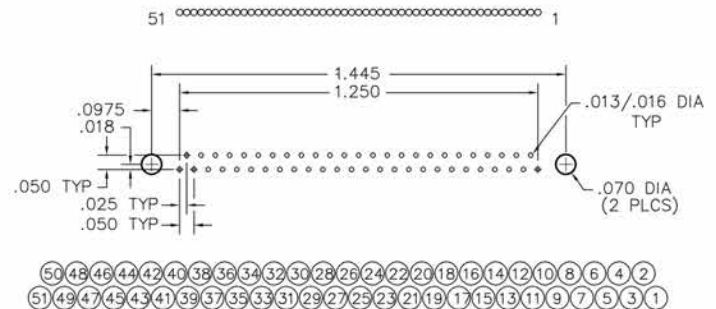
31 POSITION



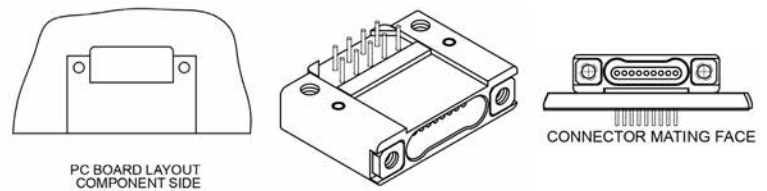
37 POSITION



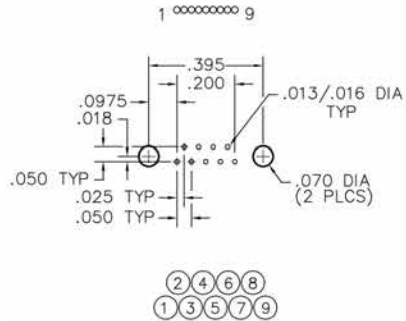
51 POSITION



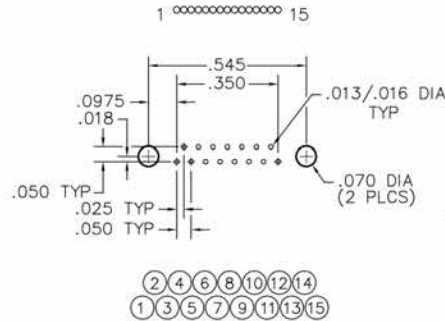
RECOMMENDED PC BOARD LAYOUTS
RIGHT-ANGLE PTH RECEPTACLE
 FOR REFERENCE ONLY



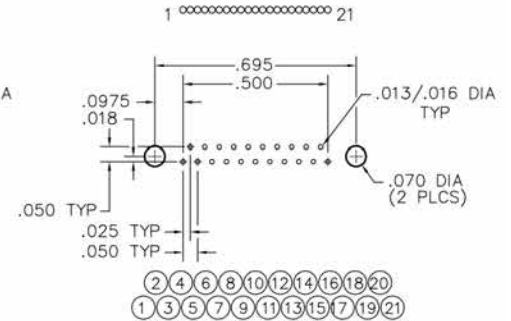
9 POSITION



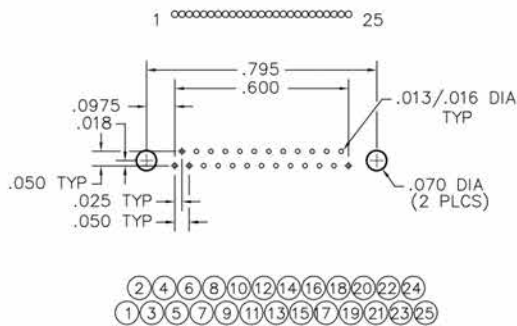
15 POSITION



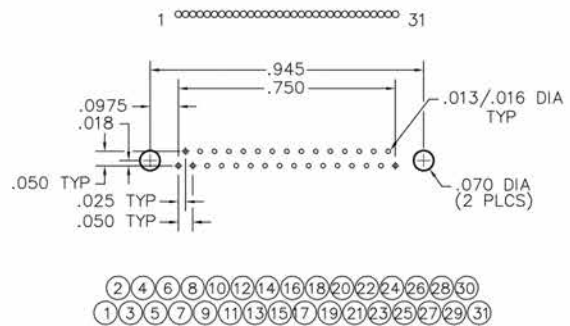
21 POSITION



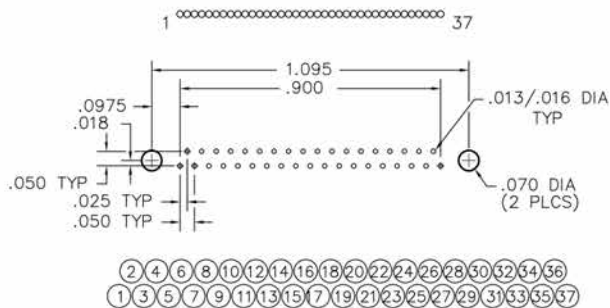
25 POSITION



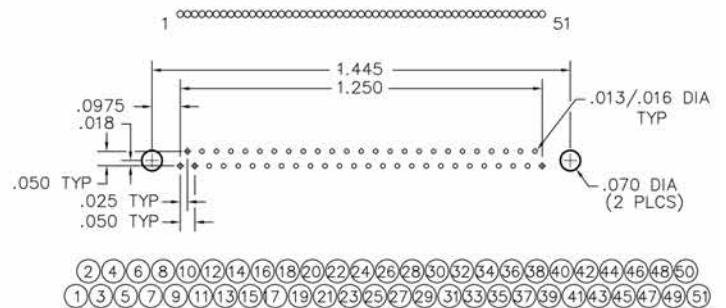
31 POSITION



37 POSITION



51 POSITION



0.025" | 9 THROUGH 51 CONTACTS



LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
G Plug, vertical mount, plated thru hole (PTH)		2 Receptacle, straight	
		6 Receptacle, straight with factory installed backshell (See page NA-4)	
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell		4 Liquid Crystal Polymer w/ stainless steel shell ***	
5 Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
13 Pin, straight, .109"		26 Socket, straight, crimped wire	
14 Pin, straight, .140"			
15 Pin, straight, .172"			
PLATING OPTIONS:		PLATING OPTIONS:	
5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>		1 50 u" Au contacts	
8 50 u" Au contacts; Tin plated terminations			
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None ***	
TH Threaded hole, #0-80 UNF **		JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS:		WIRING OPTIONS:	
00 None		XX See wiring codes, Page N-151	

* = 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.

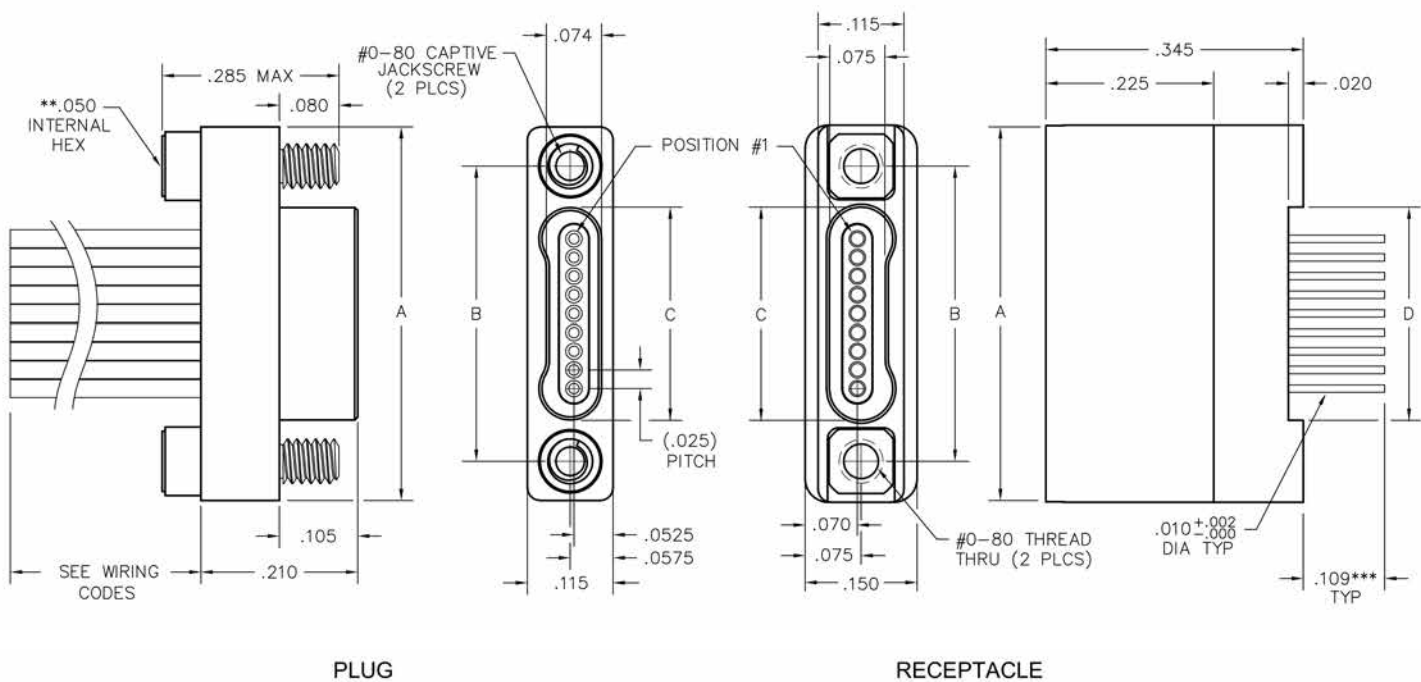
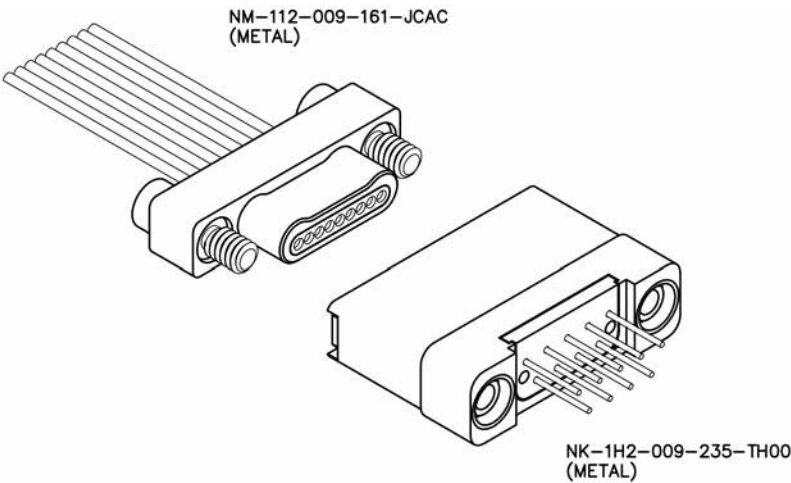
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

☒ = Option not RoHS compliant

ONE ROW – CABLE-TO-BOARD VERTICAL PTH

NM & NM
0.025" | 9 THROUGH 51 CONTACTS



PIN CONTACT
3 FINE 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

LEAD CONFIGURATION OPTIONS

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 5 Plug, straight with factory installed backshell (See page NA-4)		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 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> 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: 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 <input checked="" type="checkbox"/> 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 N-151		WIRING OPTIONS: 00 None	

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

Ball end hex wrench not recommended

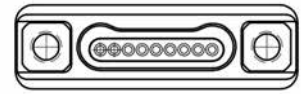
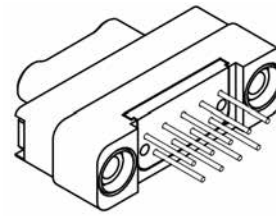
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
 .050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

** = 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.

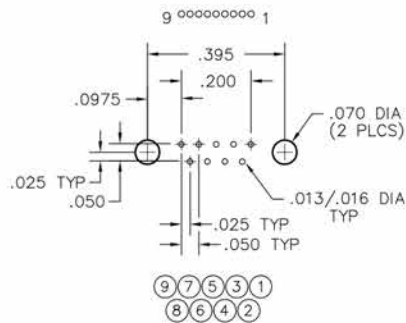
☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS
VERTICAL PTH PLUG
 FOR REFERENCE ONLY

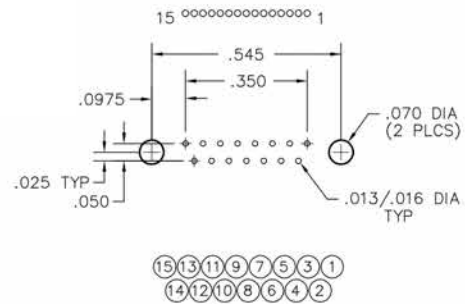


CONNECTOR MATING FACE

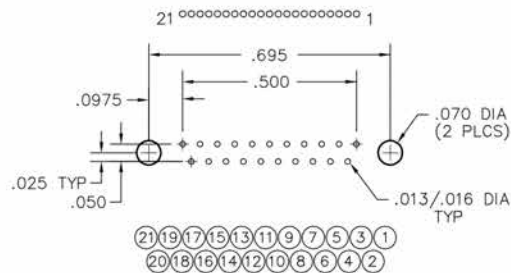
9 POSITION



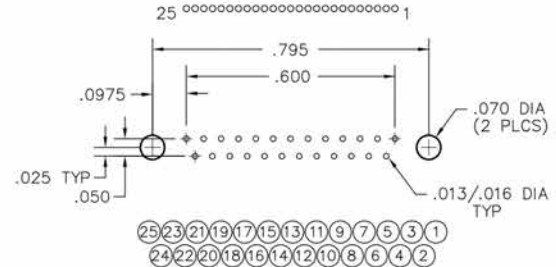
15 POSITION



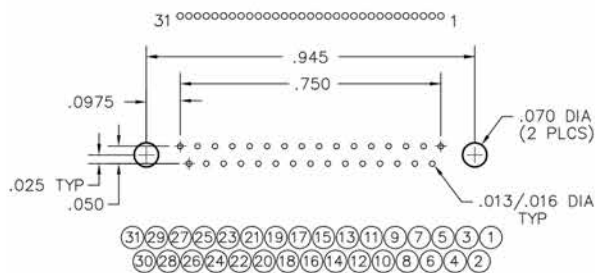
21 POSITION



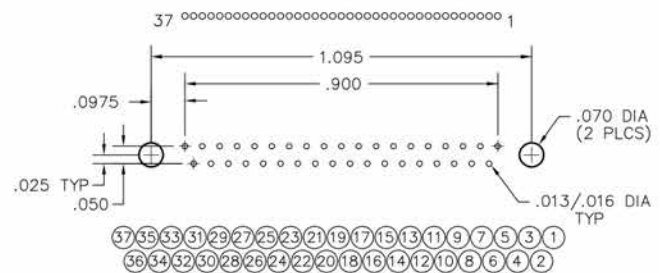
25 POSITION



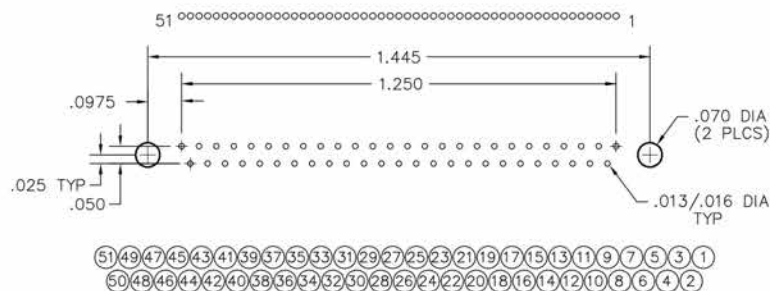
31 POSITION



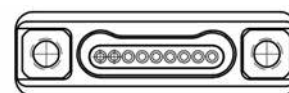
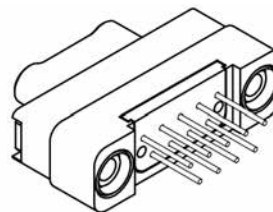
37 POSITION



51 POSITION

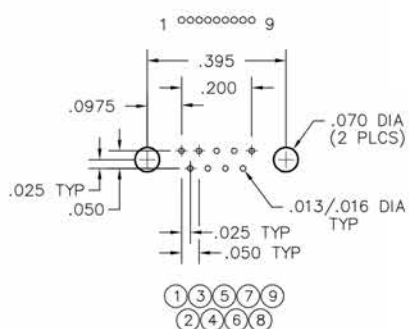


RECOMMENDED PC BOARD LAYOUTS
VERTICAL PTH RECEPTACLE
 FOR REFERENCE ONLY

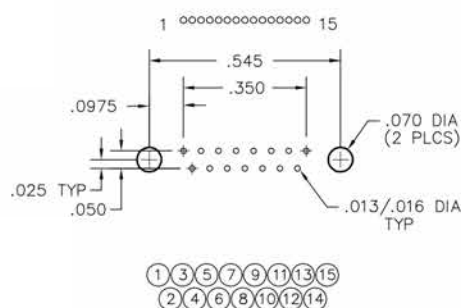


CONNECTOR MATING FACE

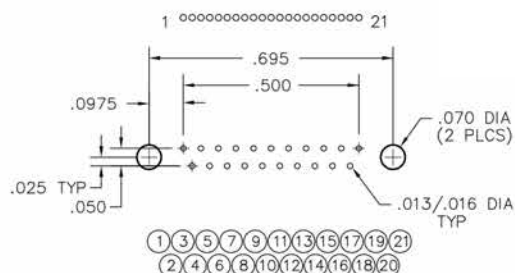
9 POSITION



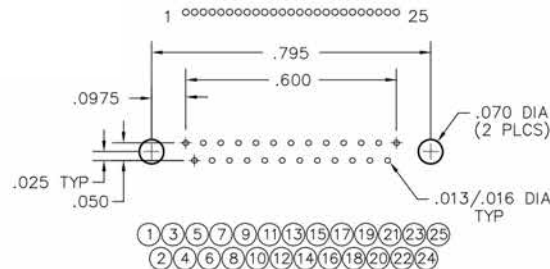
15 POSITION



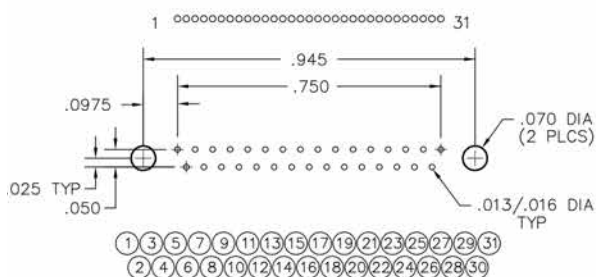
21 POSITION



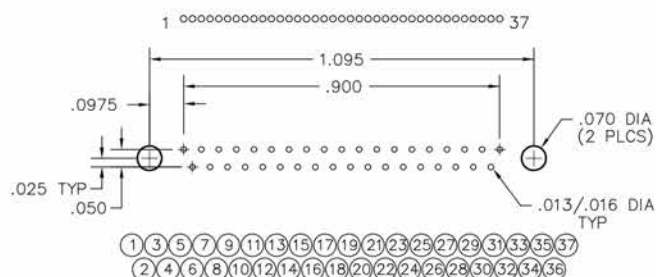
25 POSITION



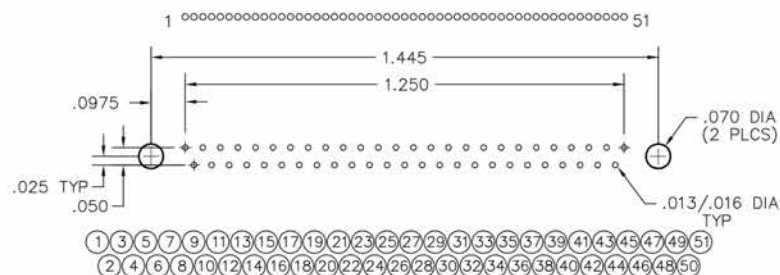
31 POSITION



37 POSITION

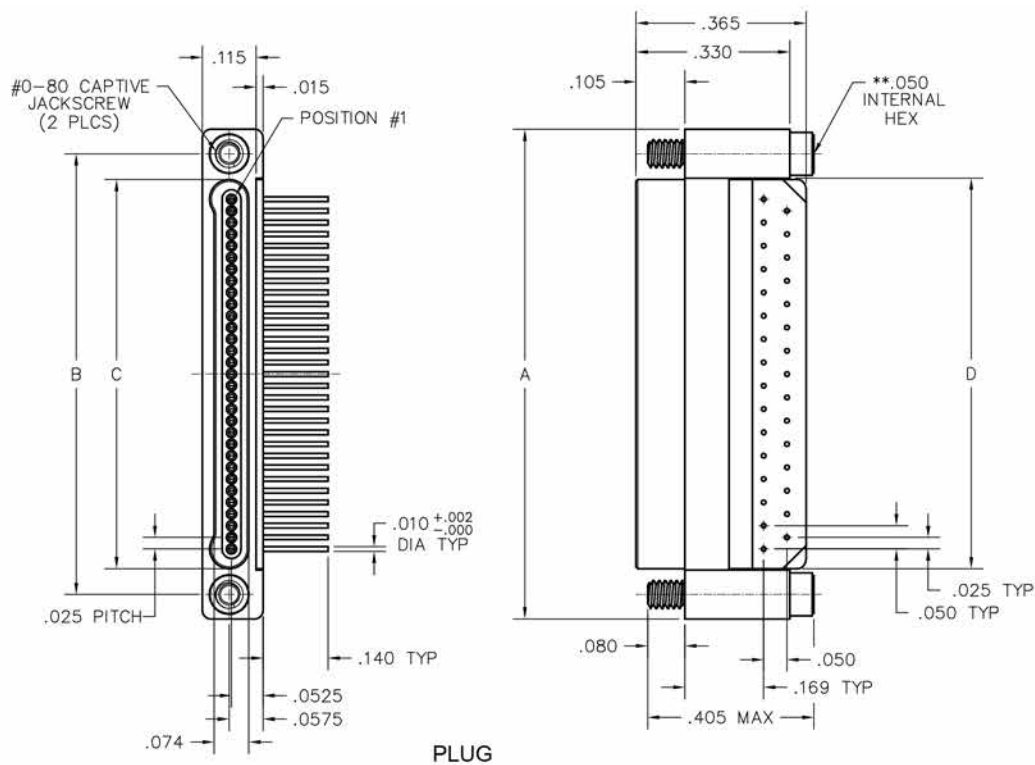
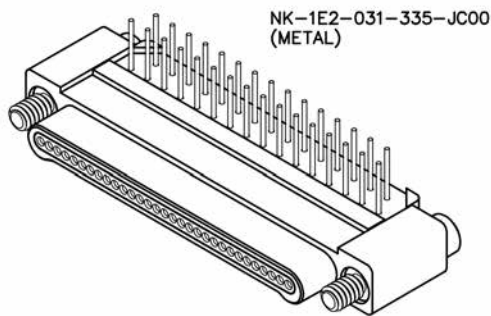


51 POSITION



ONE ROW – FLEX-TO-BOARD PLUG

NK & NK
0.025" | 9 THROUGH 51 CONTACTS



SIZE	DIMENSIONS				
	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.

LEAD CONFIGURATION OPTIONS

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 ☒
- 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)

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)

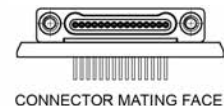
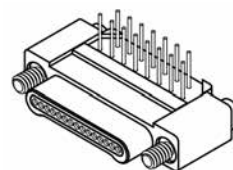
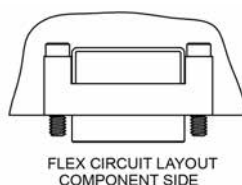
Ball end hex wrench not recommended

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

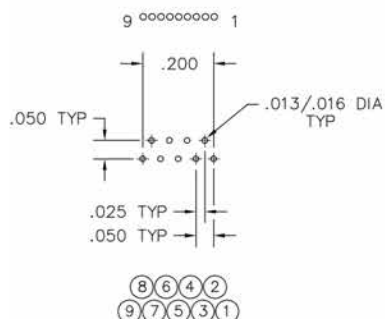
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

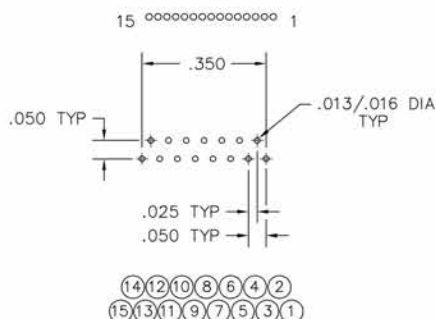
RECOMMENDED FLES CIRCUIT LAYOUTS
RIGHT-ANGLE FLEX MOUNT PTH PLUG
 FOR REFERENCE ONLY



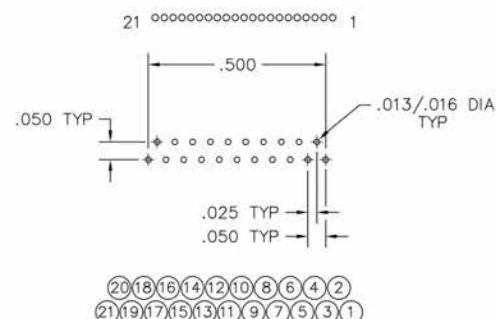
9 POSITION



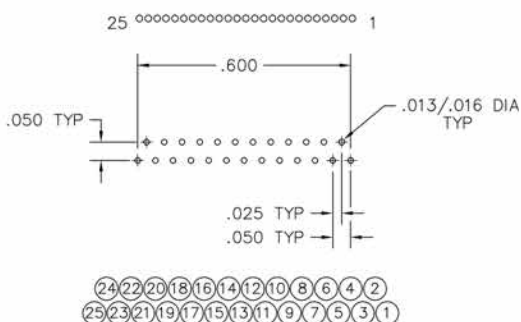
15 POSITION



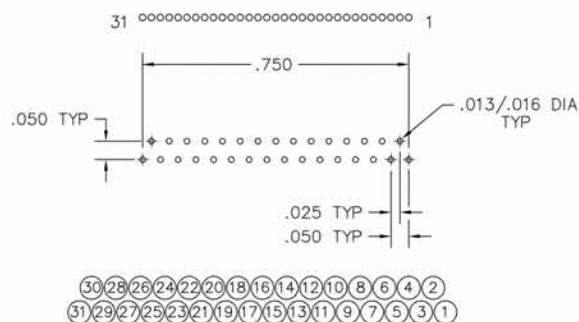
21 POSITION



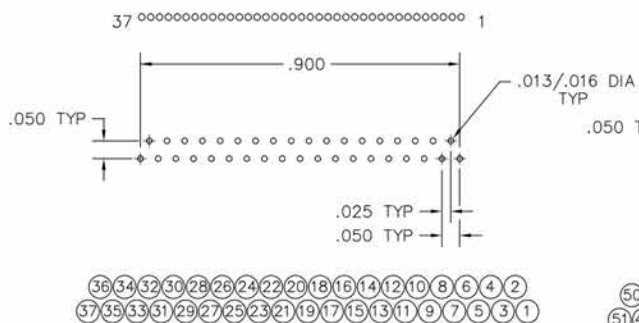
25 POSITION



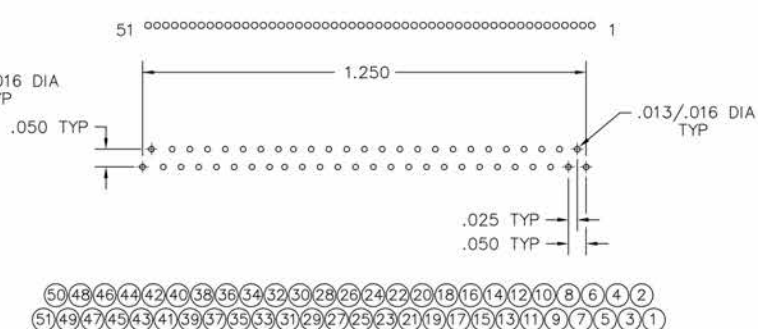
31 POSITION



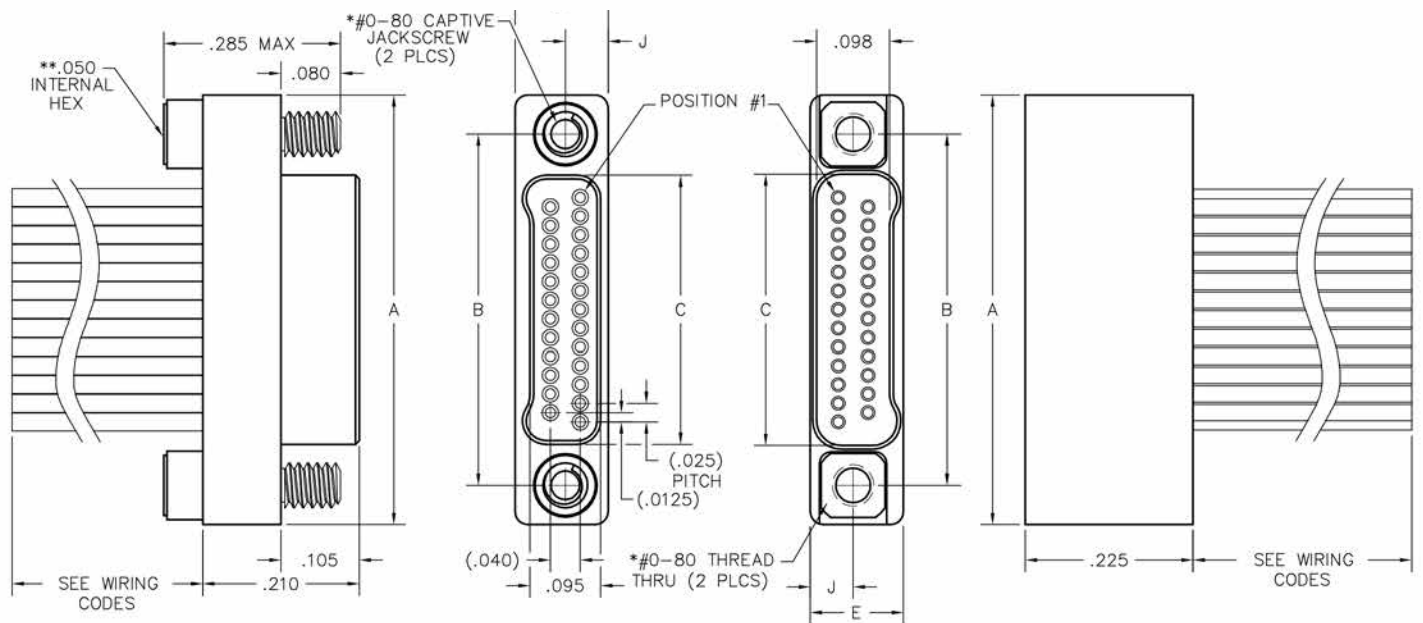
37 POSITION



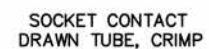
51 POSITION



0.025" | 9 THROUGH 91 CONTACTS



RECEPTACLE



DIMENSIONS							
SIZE	A	B	C		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			

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

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1	Plug, straight	2	Receptacle, straight
5	Plug, straight, with factory installed backshell (See page NA-3)	6	Receptacle, straight, with factory installed backshell (See page NA-3)
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 ☒
4	Liquid Crystal Polymer w/ stainless steel shell ***	4	Liquid Crystal Polymer w/ stainless steel shell ***
5	Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00	None ***	00	None ***
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF* (body material 2 and 3 only)
TH	Threaded hole**, #0-80 UNF* (body material 2 and 3 only)	TH	Threaded hole**, #0-80 UNF*
WIRING OPTIONS:		WIRING OPTIONS:	
XX	See wiring codes, Page N-151	XX	See wiring codes, Page N-151

* = #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.

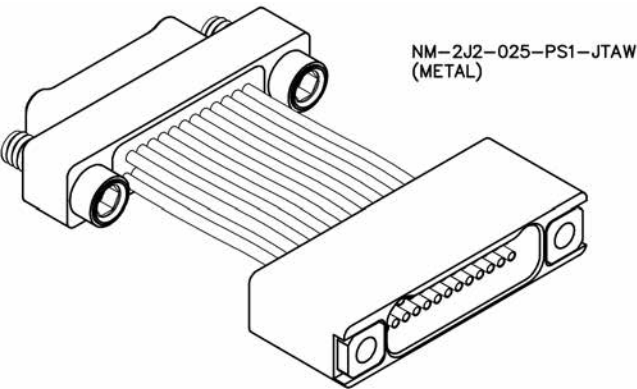
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

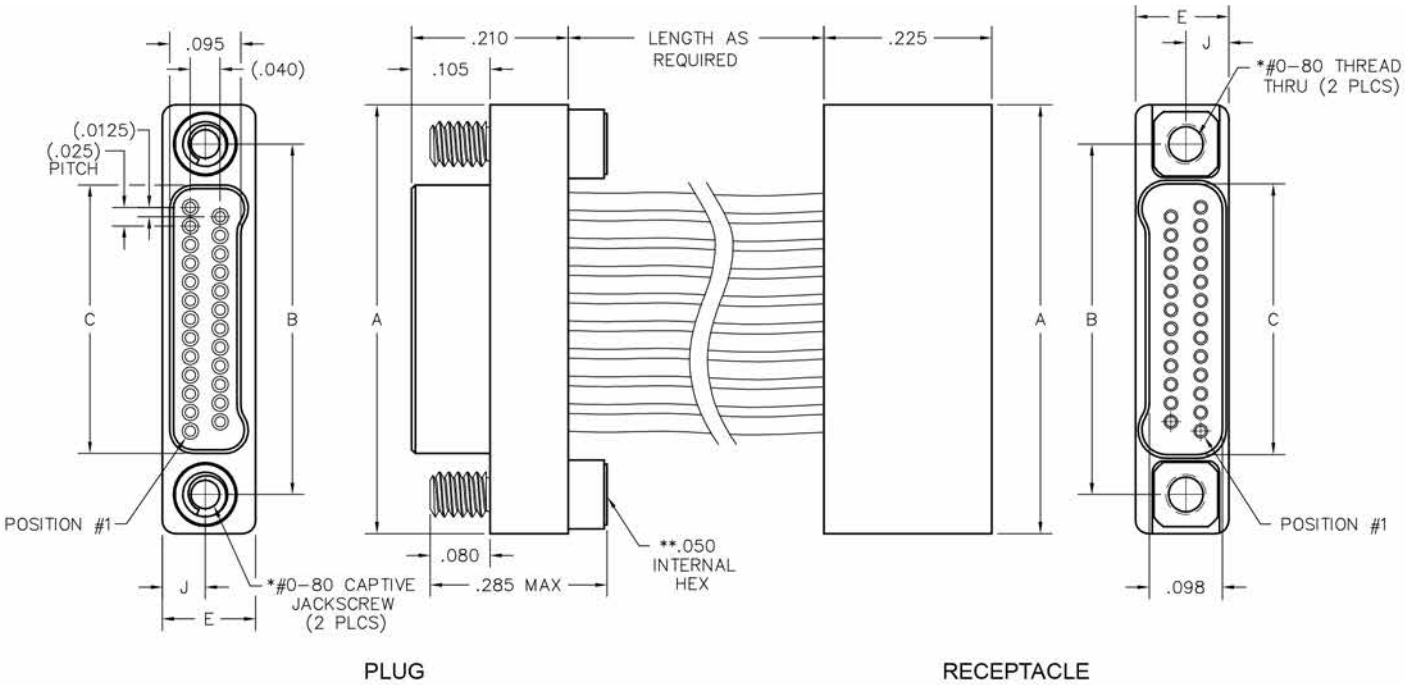
☒ = Option not RoHS compliant

TWO ROW – CABLE-TO-CABLE (JUMPER ASSEMBLY)

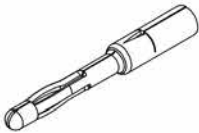
NM & NM
0.025" | 9 THROUGH 91 CONTACTS



NM-2J2-025-PS1-JTAW
(METAL)



SIZE	A	B	C		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			
85	1.377	1.246	1.110	1.113	.150	.0700	#2-56 THREAD
91	1.452	1.321	1.185	1.188			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

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

LEAD CONFIGURATION OPTIONS

SERIES		NM- 2J2- 025- PS1- JTAW XX- XXX- XXX- XXX- XXXX			
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 <input checked="" type="checkbox"/>				
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, 085 or 091)					
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 N-151				

* = #2-56 UNC thread on 85, 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).

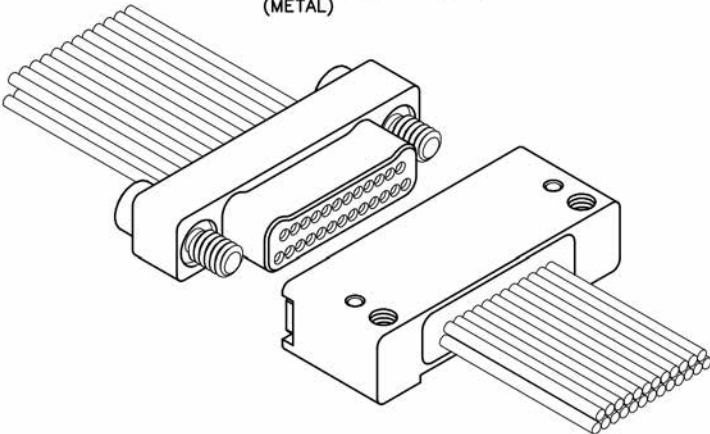
● Consult factory if jumpers require other than direct one to one connections.

☒ = Option not RoHS compliant

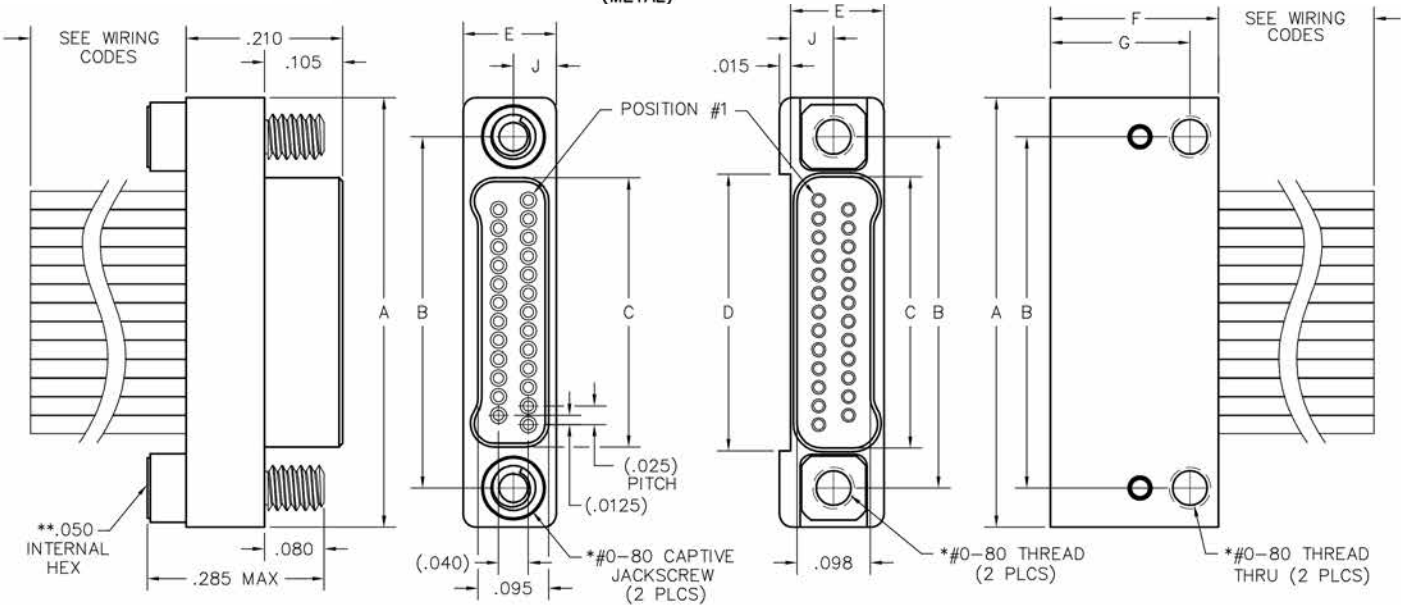
TWO ROW – CABLE-TO-CABLE

NM & NM
0.025" | 9 THROUGH 91 CONTACTS

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



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



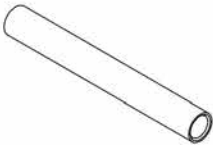
PLUG

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
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, 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85, 91 POSITION CONNECTORS. HEX MEASUREMENTS
TAKEN ACROSS THE FLATS.

LEAD CONFIGURATION OPTIONS

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
BODY STYLE:		BODY STYLE:	
1	Plug, straight	4	Receptacle, straight with mounting holes
5	Plug, straight, with factory installed backshell (See page NA-3)		
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 ☒
4	Liquid Crystal Polymer w/ stainless steel shell ***	4	Liquid Crystal Polymer w/ stainless steel shell
5	Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF* **
WIRING OPTIONS:		WIRING OPTIONS:	
XX	See wiring codes, Page N-151	XX	See wiring codes, Page N-151

* = #2-56 UNC thread on 85, 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.

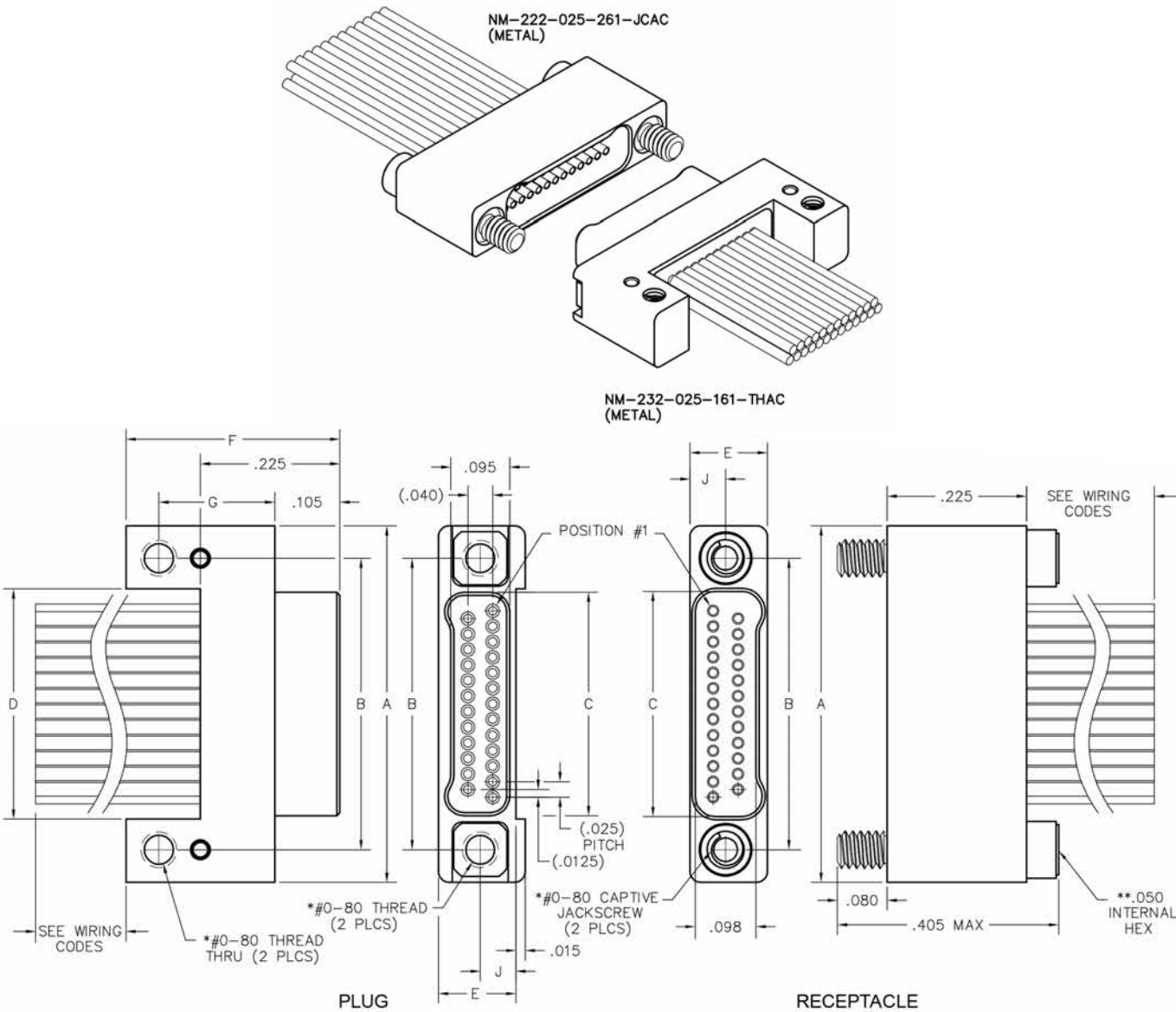
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

☒ = Option not ROHS compliant

TWO ROW – CABLE-TO-CABLE

NM & NM
0.025" | 9 THROUGH 91 CONTACTS



DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.345	.187	.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	.245	.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					

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

LEAD CONFIGURATION OPTIONS

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
BODY STYLE:		BODY STYLE:	
3	Plug, straight with mounting holes	2	Receptacle, straight
		6	Receptacle, straight, with factory installed backshell (See page NA-3)
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 ☒
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell ***
5	Liquid Crystal Polymer w/ titanium shell	5	Liquid Crystal Polymer w/ titanium shell ***
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085, 091)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085, 091)
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
TH	Threaded hole, #0-80 UNF* **	JC	Turning jackscrews, captivated #0-80 UNF*
WIRING OPTIONS:		WIRING OPTIONS:	
XX	See wiring codes, Page N-151	XX	See wiring codes, Page N-151

* = #2-56 UNC thread on 85, 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.

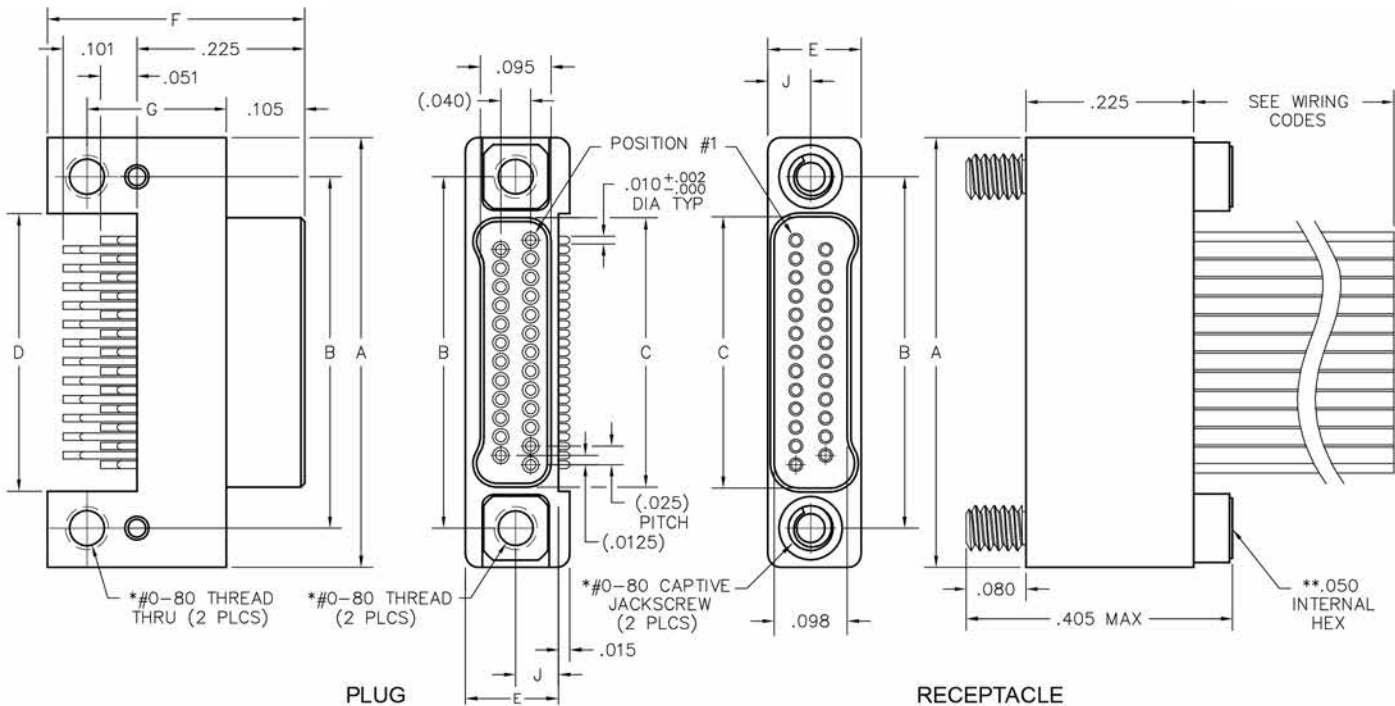
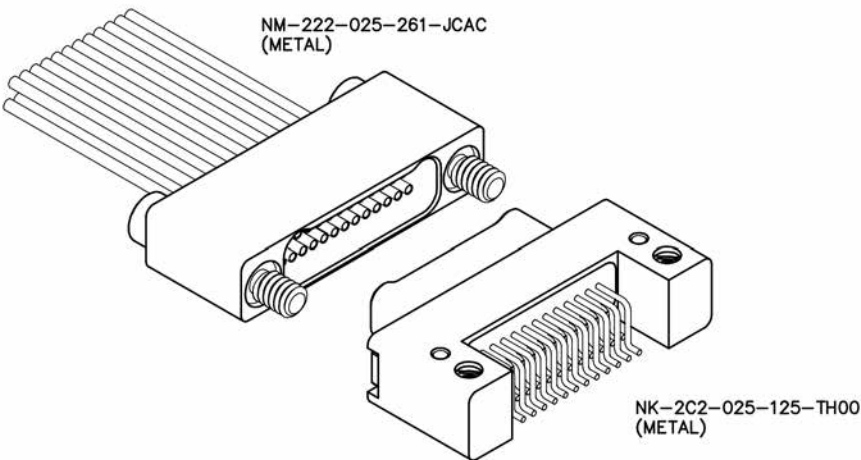
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

☒ = Option not ROHS compliant

TWO ROW – CABLE-TO-BOARD HORIZONTAL SMT

NM & NK
0.025" | 9 THROUGH 91 CONTACTS



SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.345	.187	.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	.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.

LEAD CONFIGURATION OPTIONS

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 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> 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: 12 Pin, SMT		TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire	
PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/> 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 N-151	

* = #2-56 UNC thread on 85, 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).

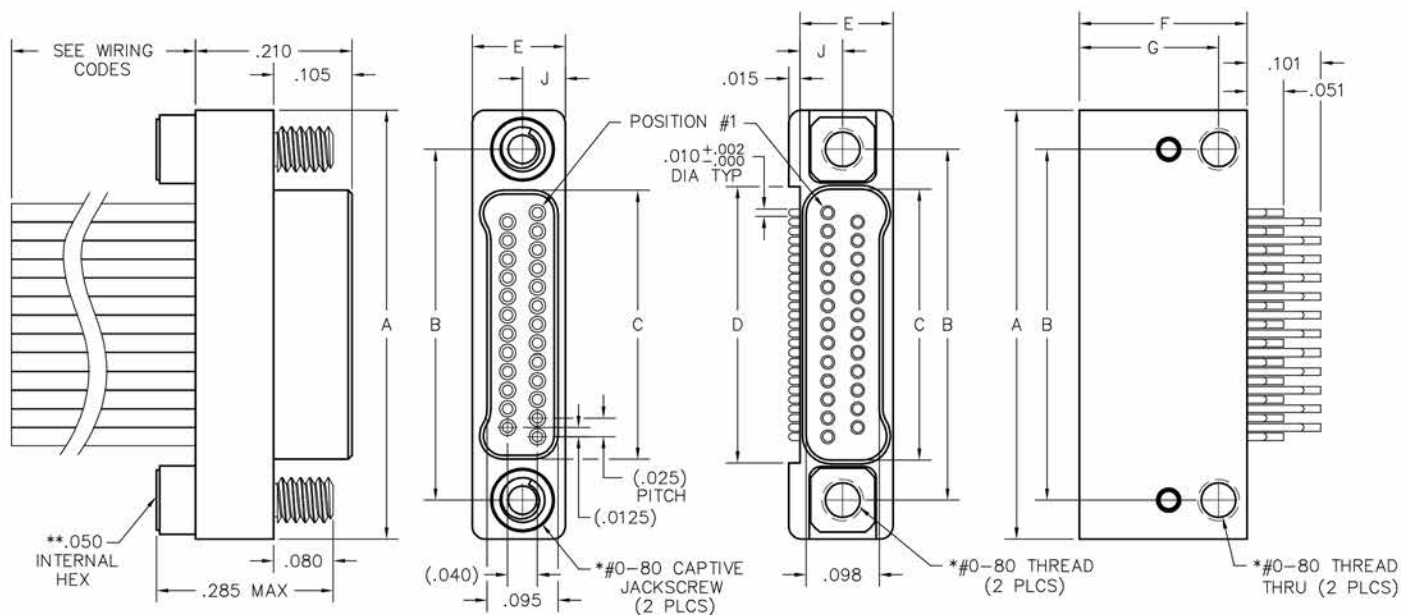
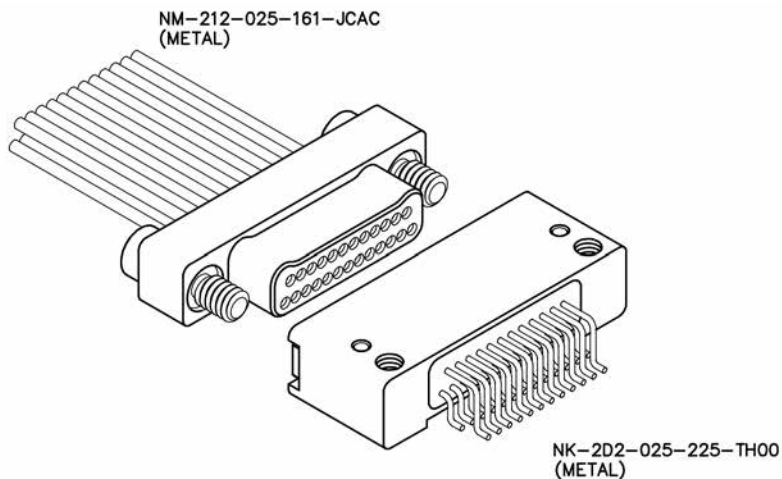
*** = Not available option if specifying factory installed backshell

☒ = Option not RoHS compliant

TWO ROW – CABLE-TO-BOARD HORIZONTAL SMT

NM & NK

0.025" | 9 THROUGH 91 CONTACTS



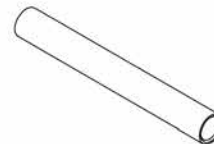
PLUG

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

LEAD CONFIGURATION OPTIONS

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:	BODY STYLE:
1 Plug, straight	D Receptacle, horizontal mount SMT
5 Plug, straight, with factory installed backshell (See page NA-3)	

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 <input checked="" type="checkbox"/>	3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4 Liquid Crystal Polymer w/ stainless steel shell ***	4 Liquid Crystal Polymer w/ stainless steel shell
5 Liquid Crystal Polymer w/ titanium 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:	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 <input checked="" type="checkbox"/>
	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 N-151	00 None

* = #2-56 UNC thread on 85, 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).

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

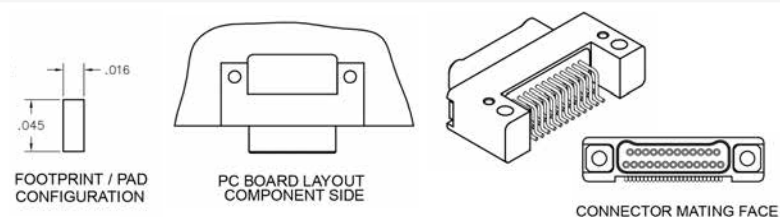
☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS

HORIZONTAL SMT PLUG

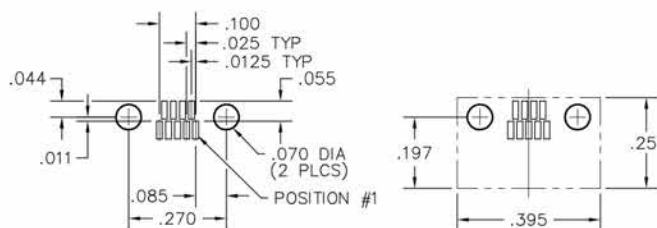
FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



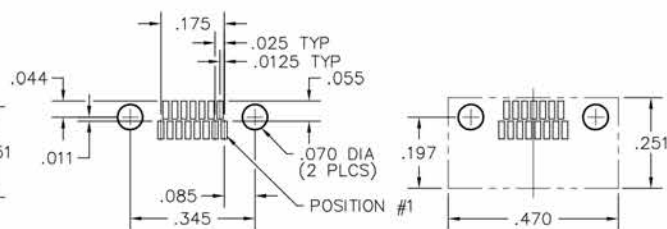
9 POSITION

9 0000 6
5 00000 1



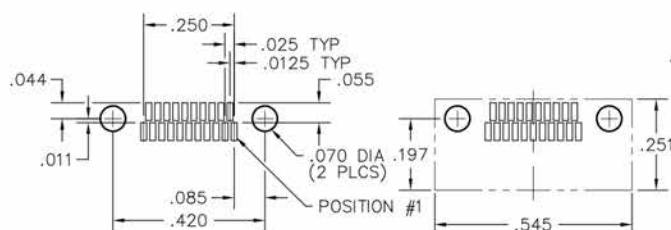
15 POSITION

15 000000 9
8 0000000 1



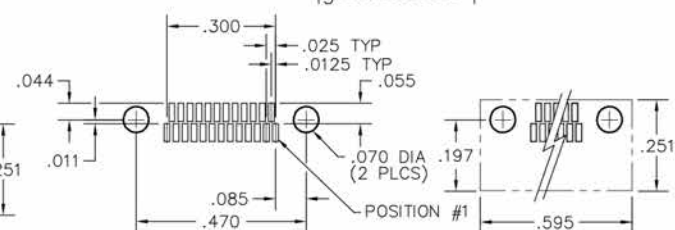
21 POSITION

21 000000000 12
11 0000000000 1



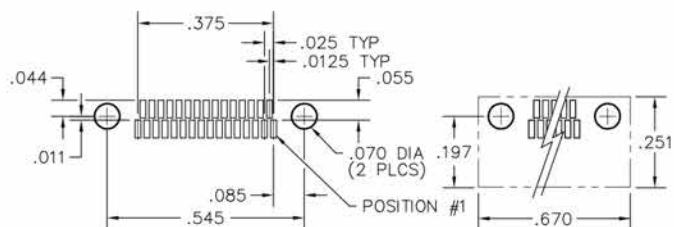
25 POSITION

25 00000000000 14
13 000000000000 1



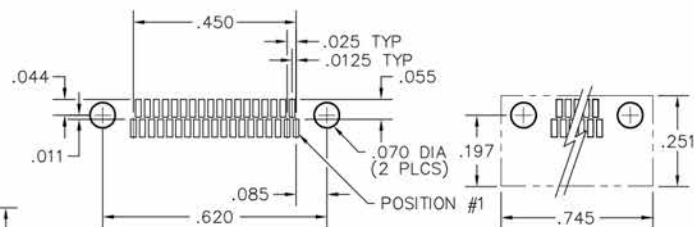
31 POSITION

31 0000000000000 17
16 00000000000000 1



37 POSITION

37 0000000000000000 20
19 00000000000000000 1



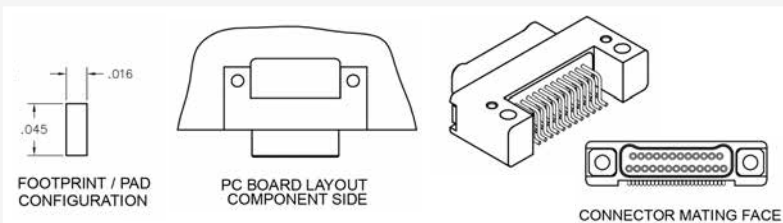
RECOMMENDED PC BOARD LAYOUTS

HORIZONTAL SMT PLUG

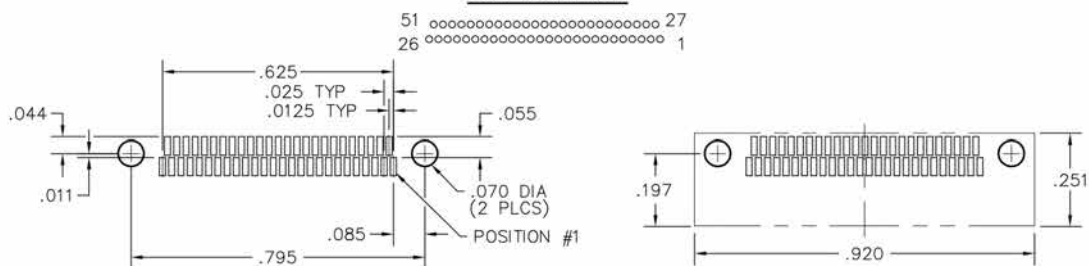
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

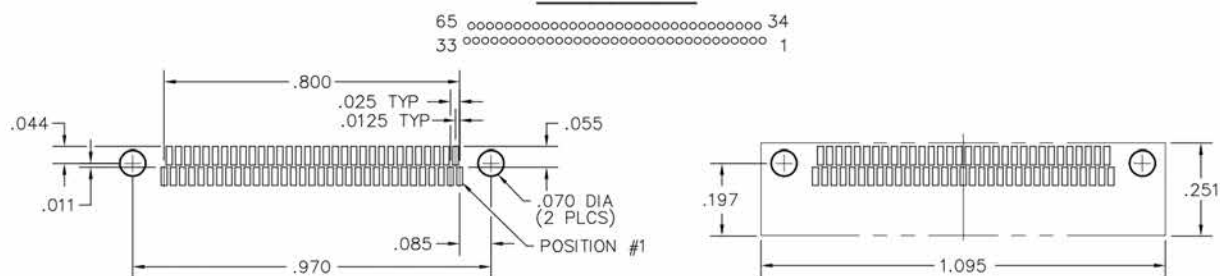
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



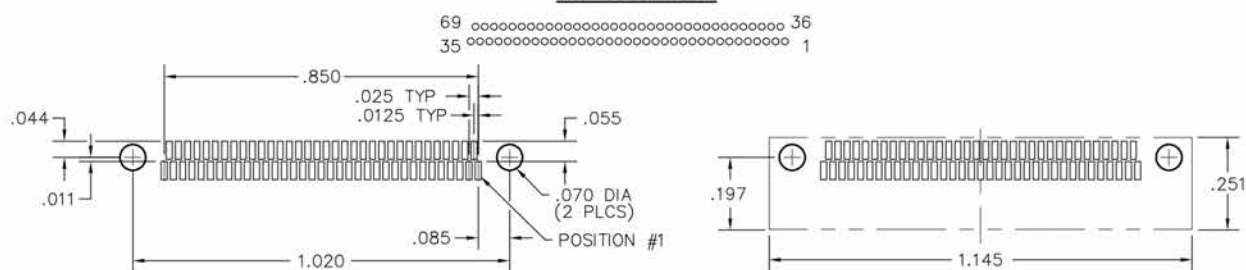
51 POSITION



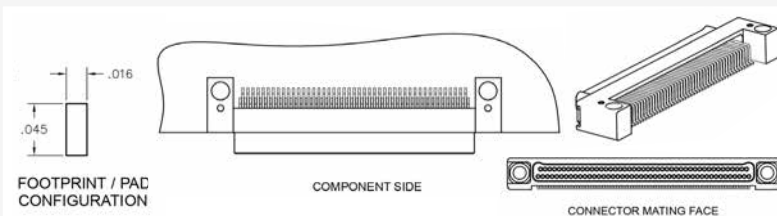
65 POSITION



69 POSITION



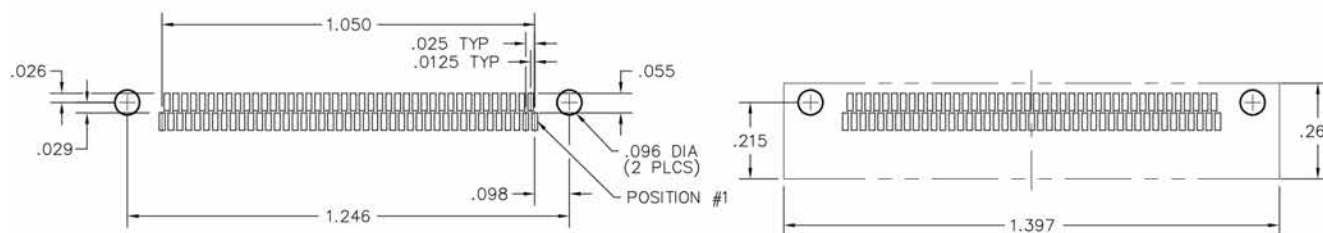
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



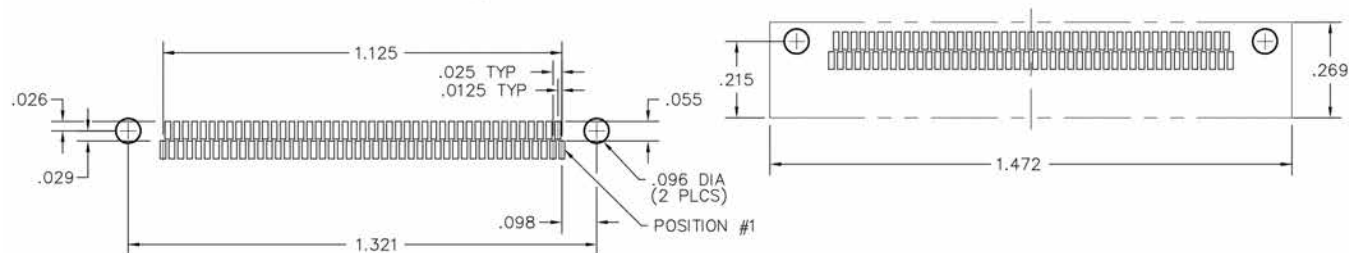
```

85 ooooooooooooooooooooooooooooooooooooooooooooooooooooo 44
43 ooooooooooooooooooooooooooooooooooooooooooooooooooooo 1

```



```
91 oooooooooooooooooooooooooooooooooooooooooooooooooooooo 47  
46 oooooooooooooooooooooooooooooooooooooooooooooooooooooo 1
```

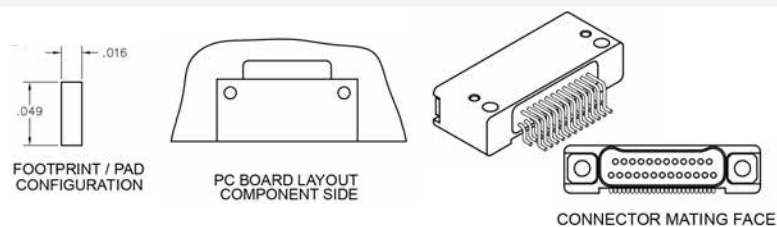


RECOMMENDED PC BOARD LAYOUTS

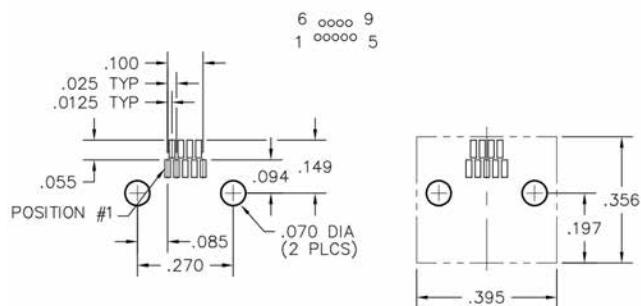
HORIZONTAL SMT PLUG

FOR REFERENCE ONLY

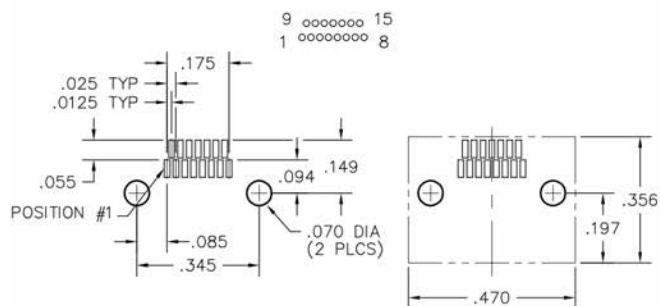
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



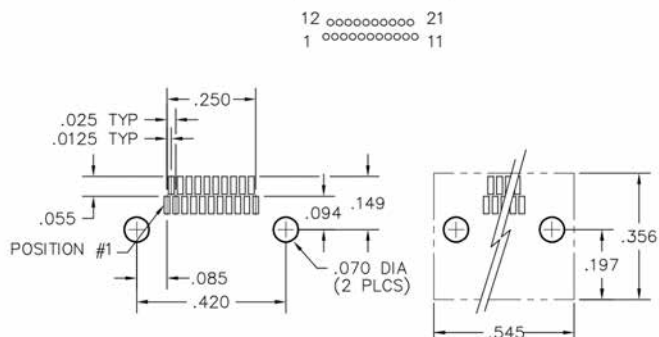
9 POSITION



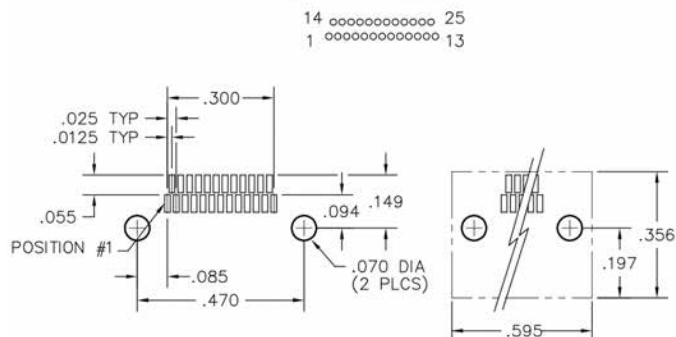
15 POSITION



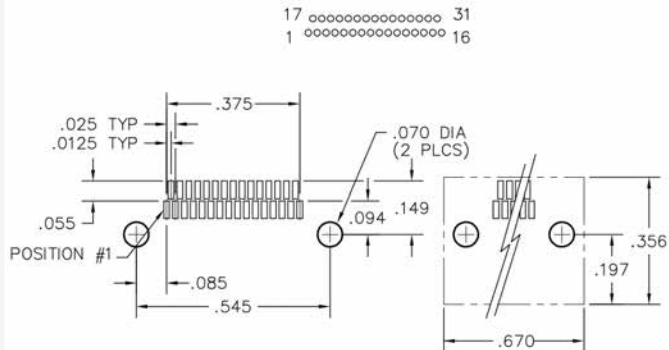
21 POSITION



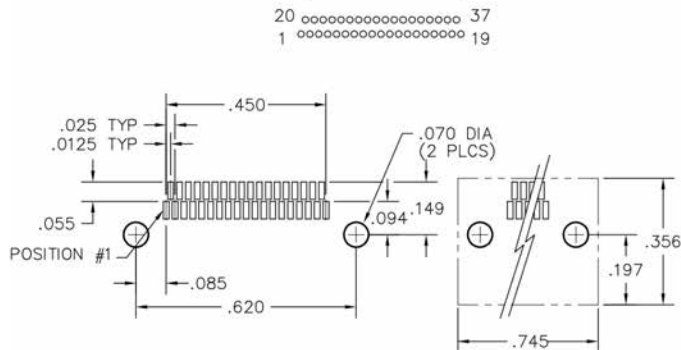
25 POSITION



31 POSITION



37 POSITION

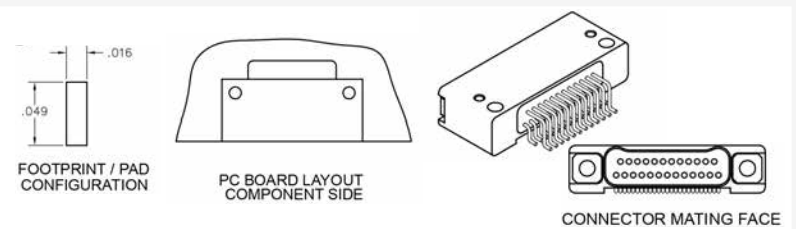


RECOMMENDED PC BOARD LAYOUTS

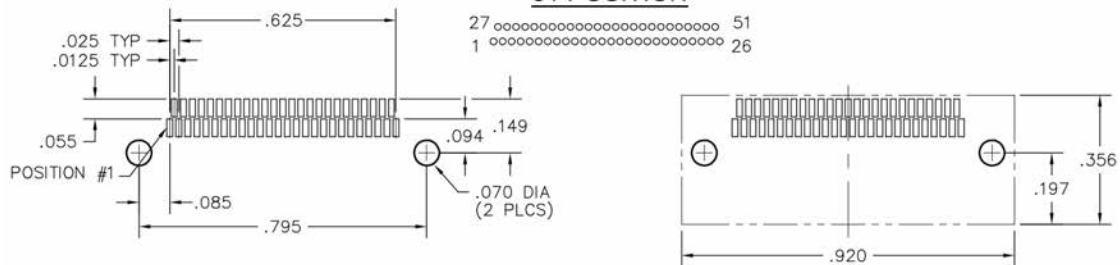
HORIZONTAL SMT RECEPTACLE

FOR REFERENCE ONLY

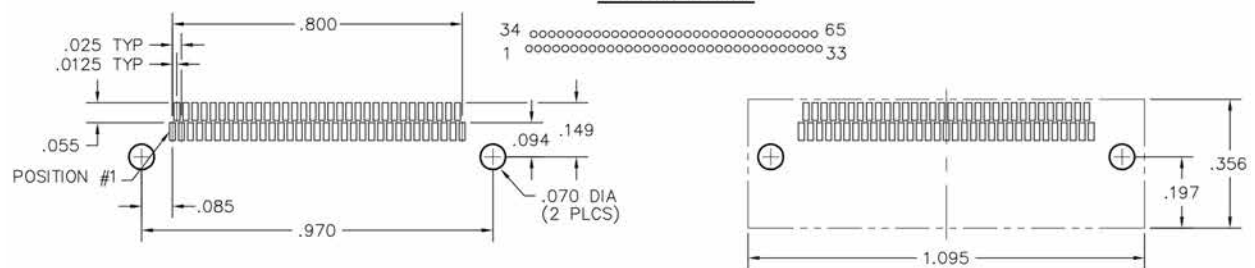
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



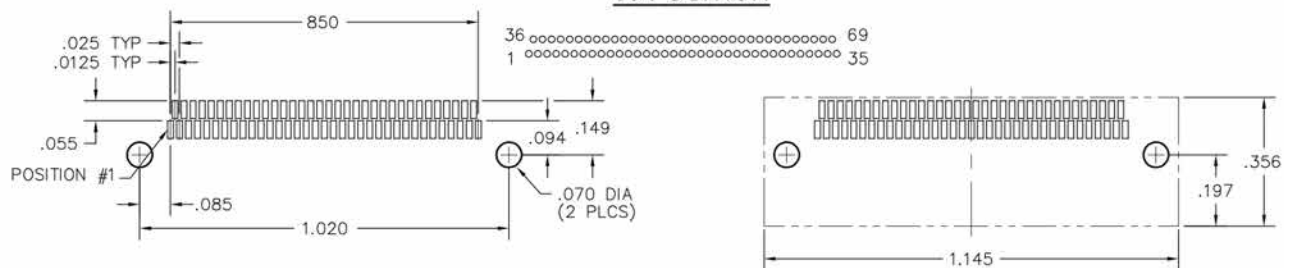
51 POSITION



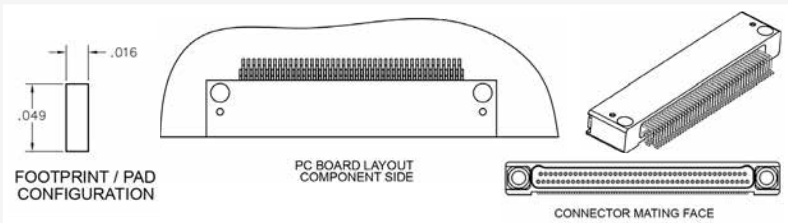
65 POSITION



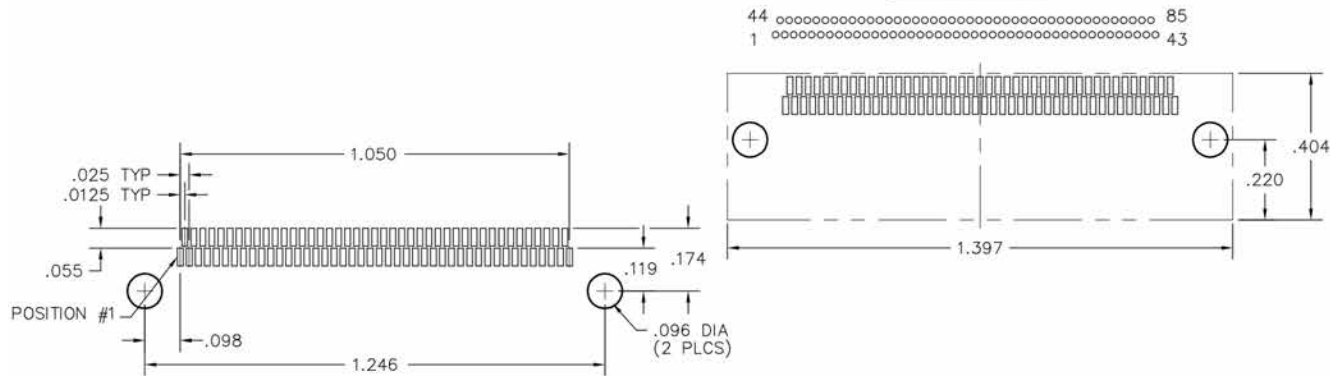
69 POSITION



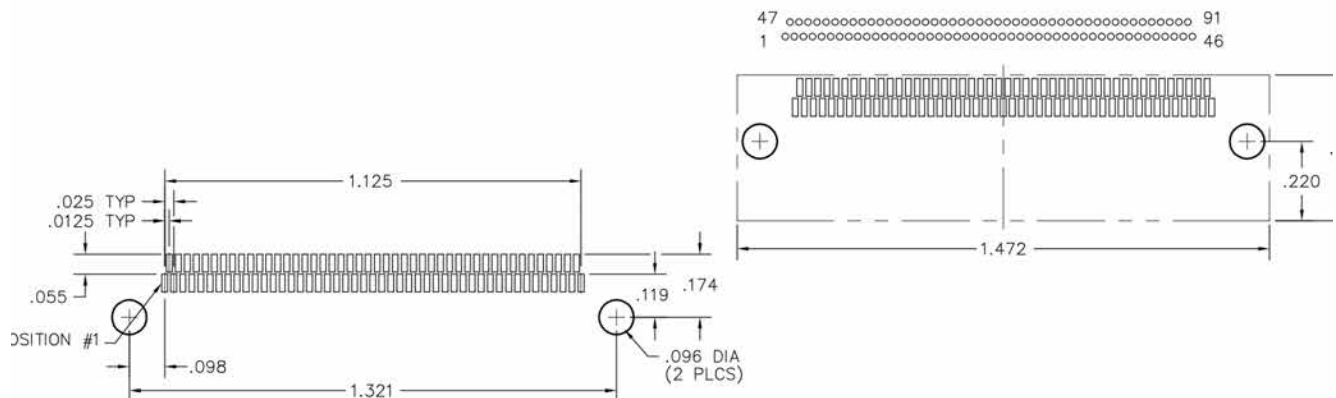
RECOMMENDED PC BOARD LAYOUTS
HORIZONTAL SMT RECEPTACLE
 FOR REFERENCE ONLY
 NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



85 POSITION



91 POSITION



0.025" | 9 THROUGH 91 CONTACTS



LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
A Plug, vertical mount SMT		2 Receptacle, straight	
		6 Receptacle, straight, with factory installed backshell (See page NA-3)	
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell		4 Liquid Crystal Polymer w/ stainless steel shell ***	
5 Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
12 Pin, SMT (.020 lead envelope)		26 Socket, straight, crimped wire	
PLATING OPTIONS:		PLATING OPTIONS:	
5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>		1 50 u" Au contacts	
8 50 u" Au contacts; Tin plated terminations			
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None ***	
TH Threaded hole, #0-80 UNF* **		JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS:		WIRING OPTIONS:	
00 None		XX See wiring codes, Page N-151	
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.

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

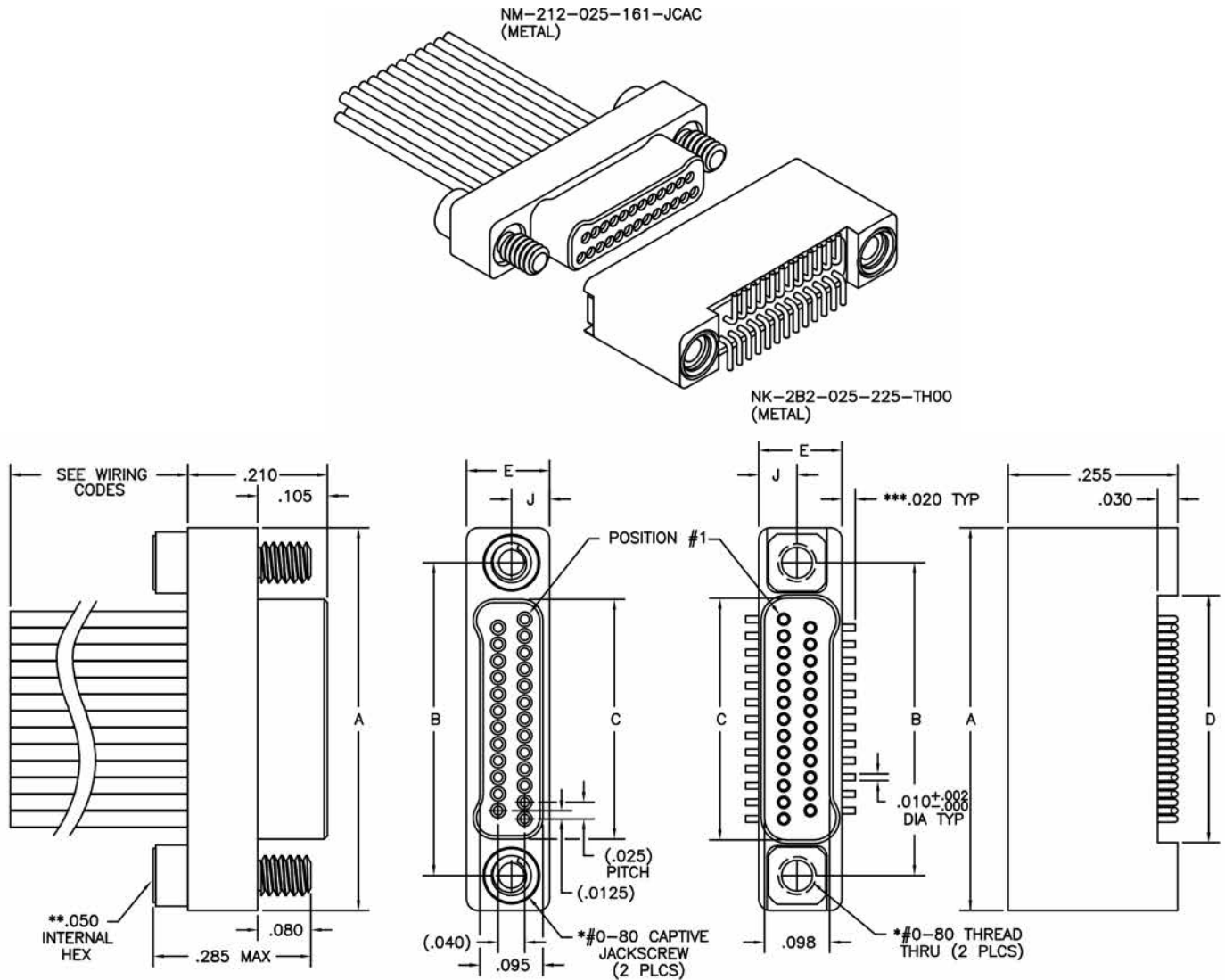
*** = Not available option if specifying factory installed backshell

☒ = Option not RoHS compliant

TWO ROW – CABLE-TO-BOARD VERTICAL SMT

NM & NK

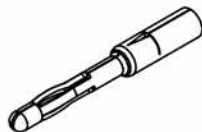
0.025" | 9 THROUGH 91 CONTACTS



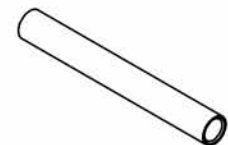
PLUG

RECEPTACLE

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 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
- *** = DIMENSION CHANGES TO .040" FOR "010" OPTION. SEE PAGE N-51.

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1 Plug, straight		B Receptacle, vertical mount SMT	
5 Plug, straight, with factory installed backshell (See page NA-3)			
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell ***		4 Liquid Crystal Polymer w/ stainless steel shell	
5 Liquid Crystal Polymer w/ titanium 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:		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 <input checked="" type="checkbox"/>	
		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 N-151		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.

** = 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

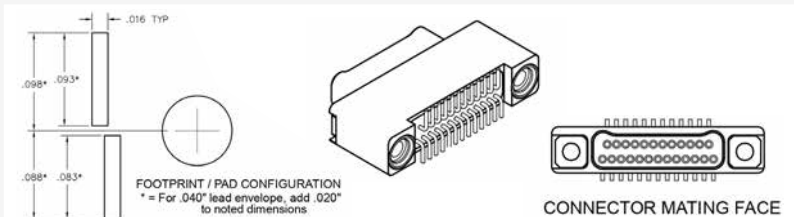
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT PLUG

0.020" & 0.040" LEAD ENVELOPES

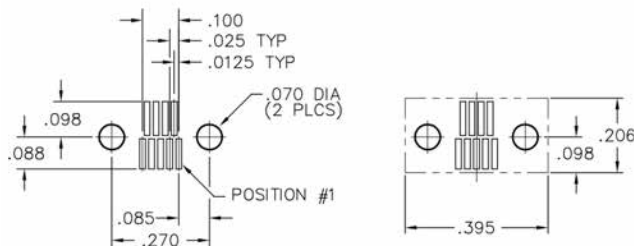
FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



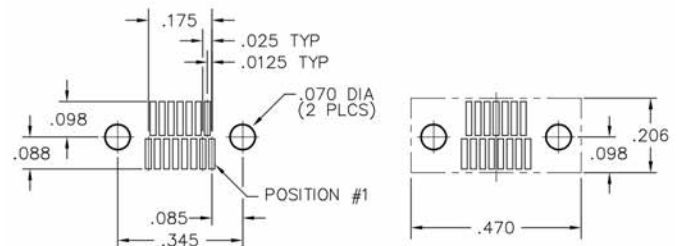
9 POSITION

9 0000 6
5 00000 1



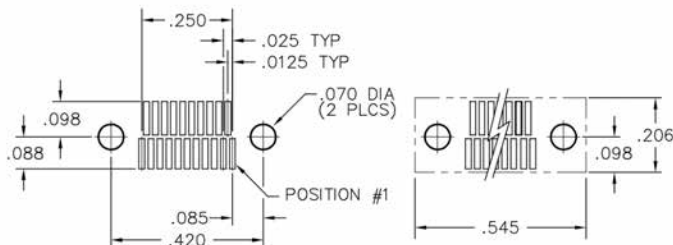
15 POSITION

15 000000 9
8 0000000 1



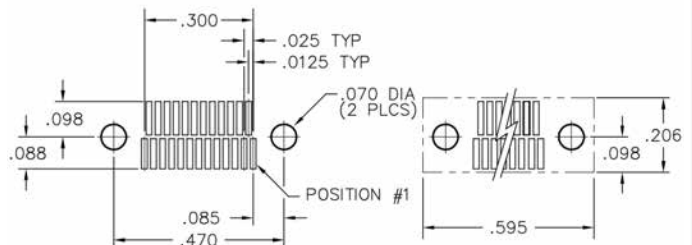
21 POSITION

21 000000000 12
11 0000000000 1



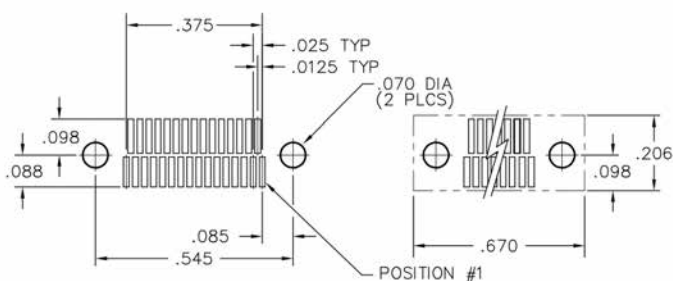
25 POSITION

25 00000000000 14
13 000000000000 1



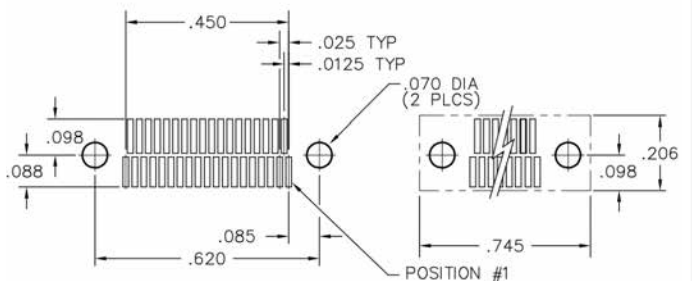
31 POSITION

31 0000000000000 17
16 00000000000000 1

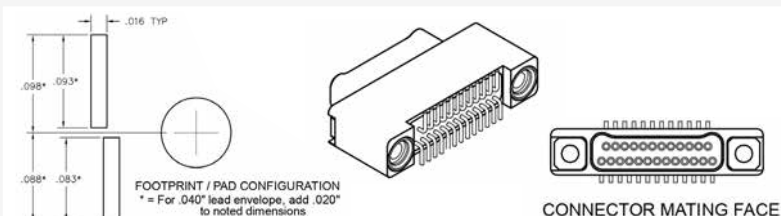


37 POSITION

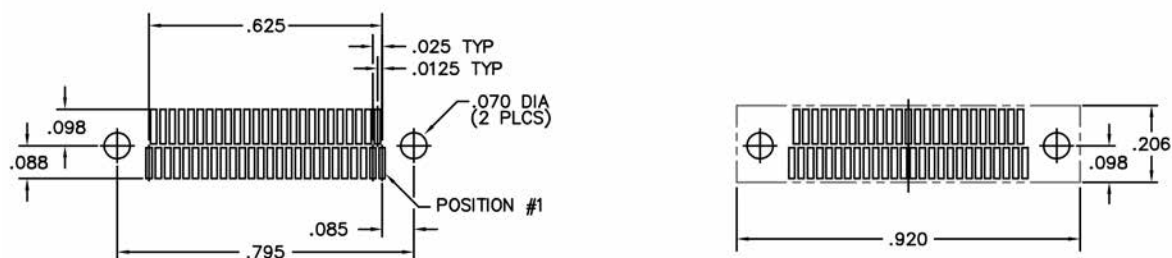
37 000000000000000 20
19 0000000000000000 1



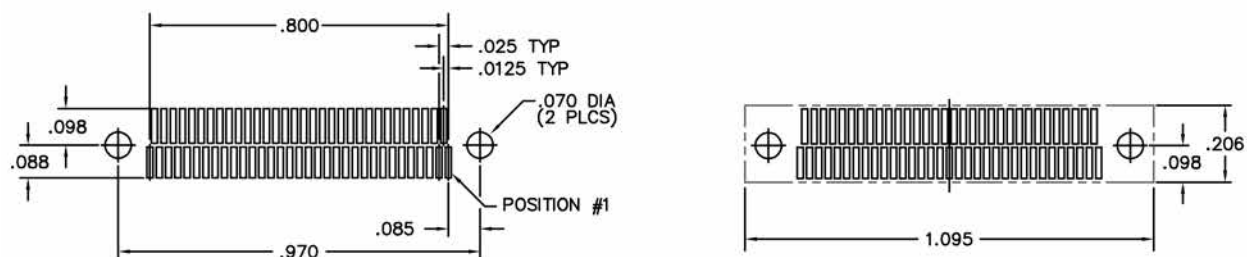
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



51 ○○○○○○○○○○○○○○○○○○○○○○○○ 27
26 ○○○○○○○○○○○○○○○○○○○○○○○○ 1



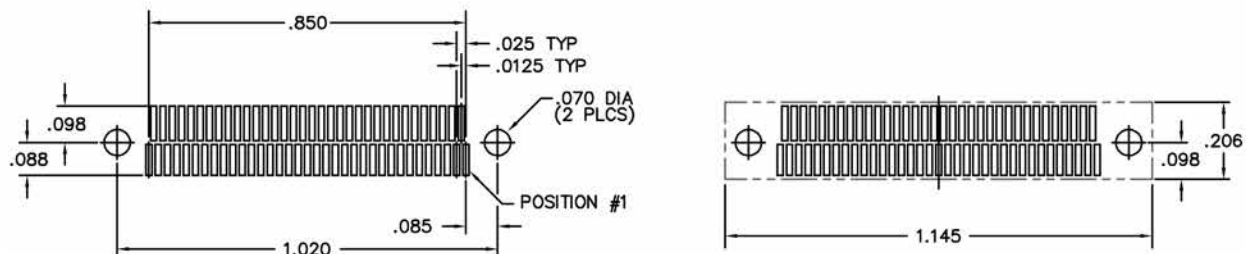
65 oooooooooooooooooooooooooooooooooooooo 34
33 oooooooooooooooooooooooooooooooooooooo 1



```

69 ooooooooooooooooooooooooooooooooooooooooooooo 36
35 ooooooooooooooooooooooooooooooooooooooooooooo 1

```



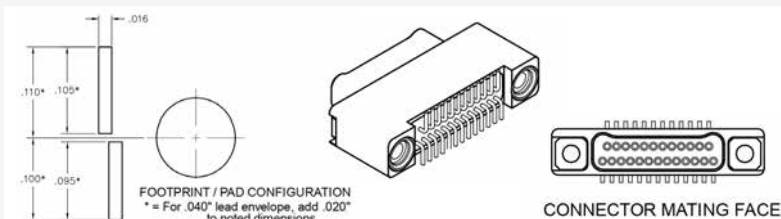
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT PLUG

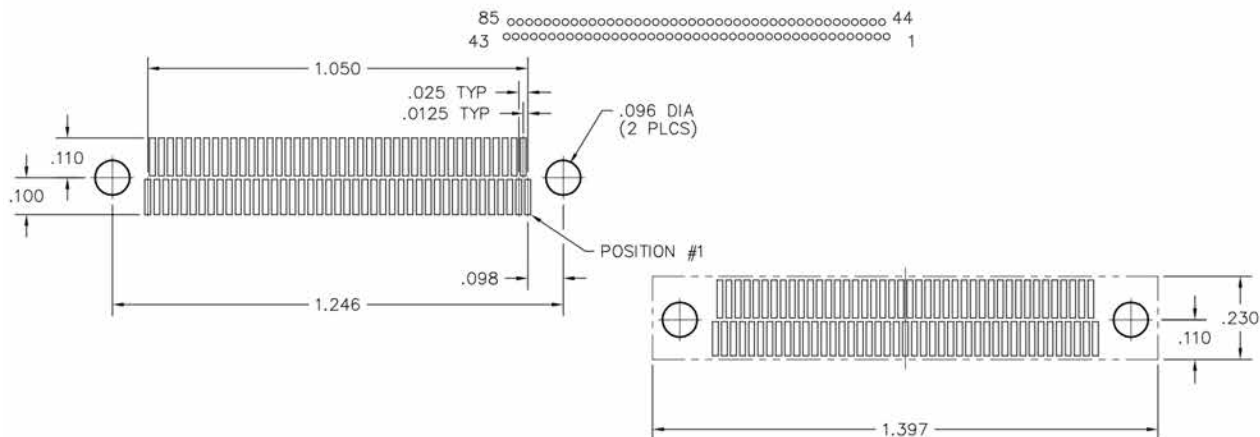
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

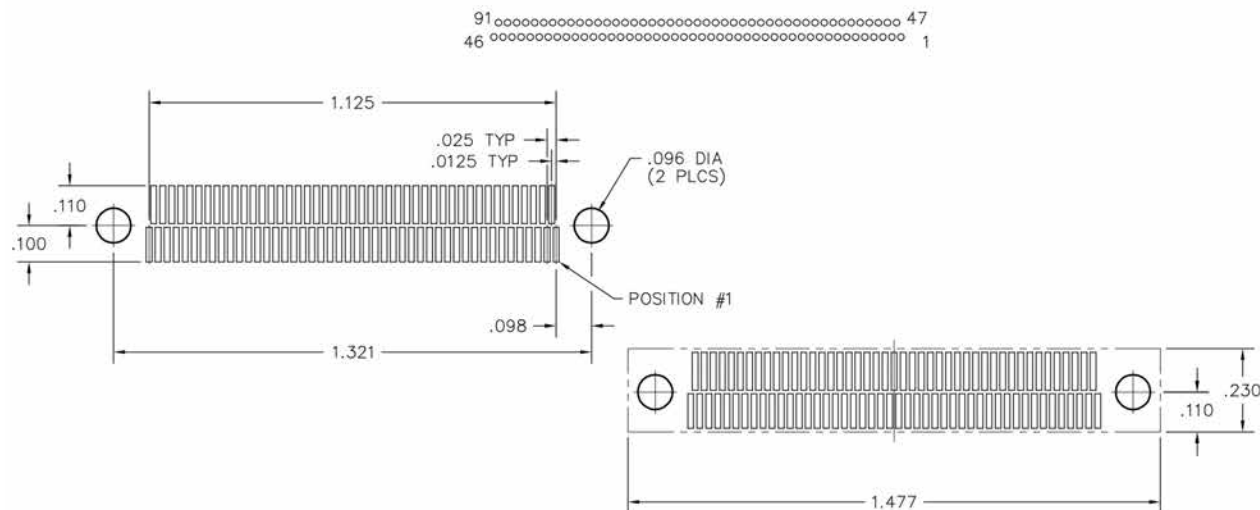
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



85 POSITION



91 POSITION



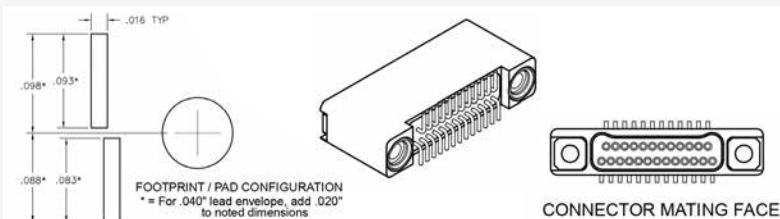
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT RECEPTACLE

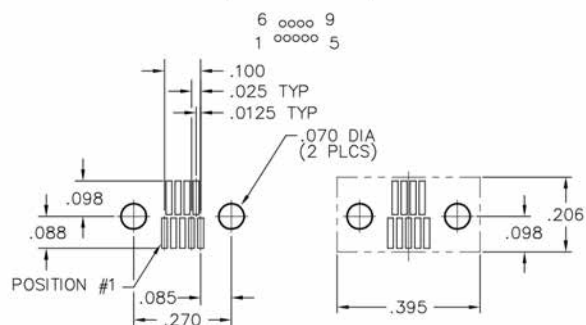
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

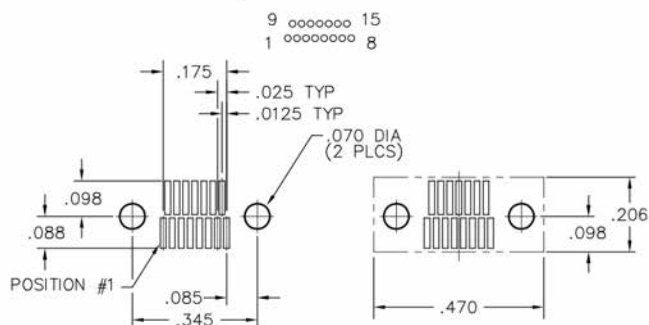
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



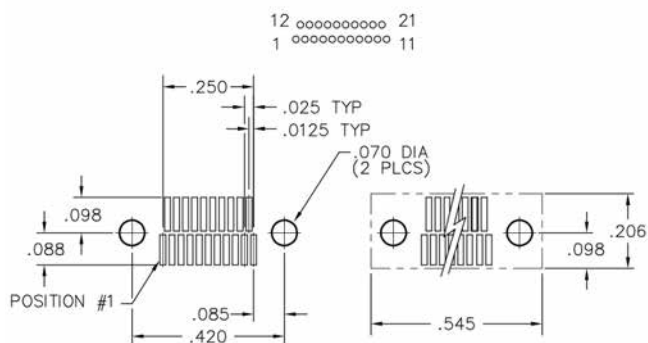
9 POSITION



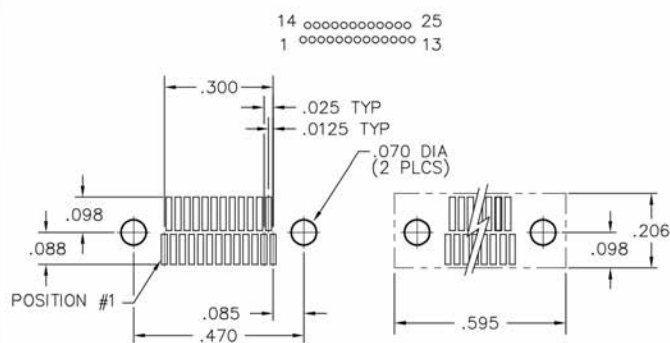
15 POSITION



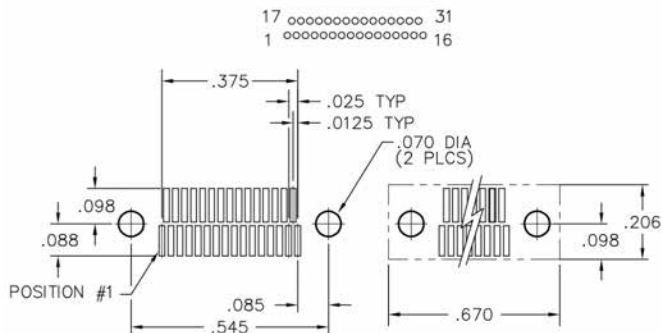
21 POSITION



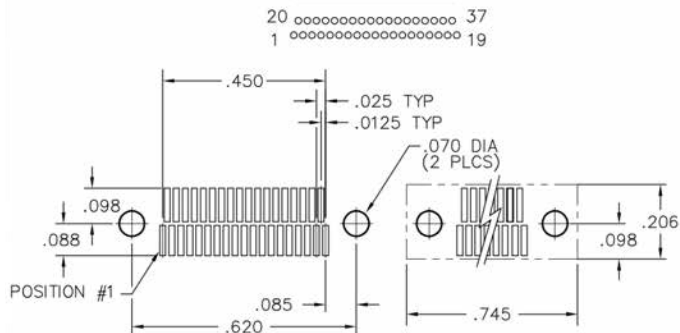
25 POSITION



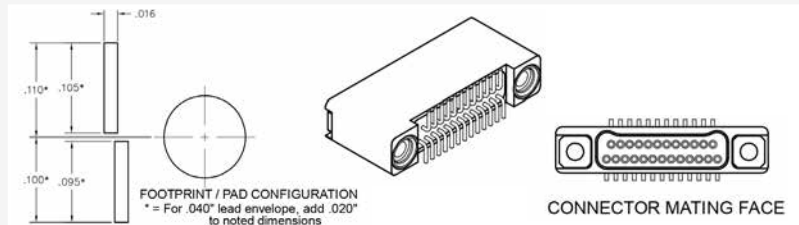
31 POSITION



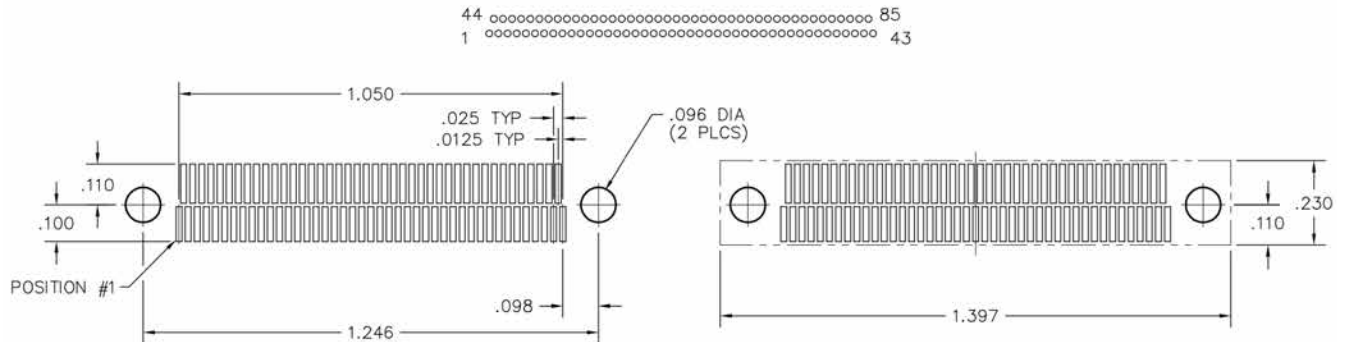
37 POSITION



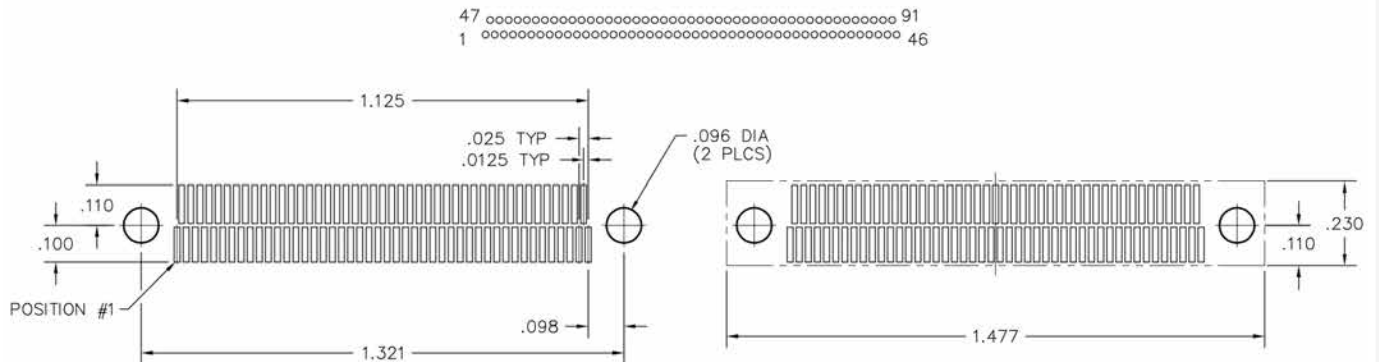
RECOMMENDED PC BOARD LAYOUTS
VERTICAL SMT RECEPTACLE
0.020" & 0.040" LEAD ENVELOPES
FOR REFERENCE ONLY



85 POSITION

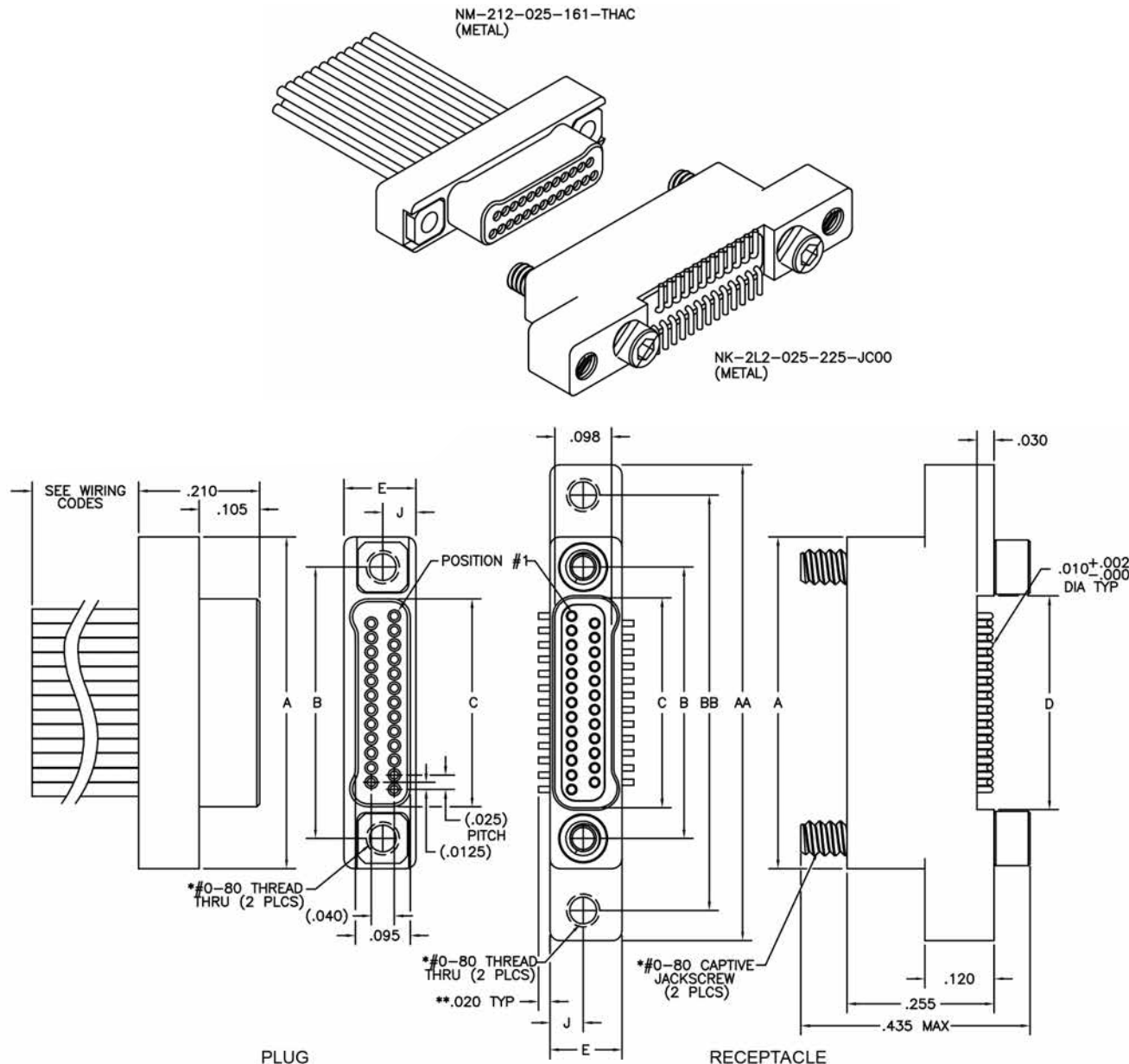


91 POSITION



TWO ROW – CABLE-TO-VERTICAL SMT WITH MOUNTING EARS

NM & NK
0.025" | 9 THROUGH 91 CONTACTS

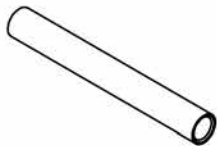


SIZE	A	B	C		D	E	J	AA	BB	HARDWARE*
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.0575	.625	.520	#0-80 THREAD
15	.450	.345	.235	.238	.245			.700	.595	
21	.525	.420	.310	.313	.320			.775	.670	
25	.575	.470	.360	.363	.370			.825	.720	
31	.650	.545	.435	.438	.445			.900	.795	
37	.725	.620	.510	.513	.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	#2-56 THREAD
91	1.452	1.321	1.185	1.188	1.195			1.754	1.621	

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS
** = DIMENSION CHANGES TO .040" FOR "010" OPTION.
SEE PAGE N-55.



PIN CONTACT
3 TINE SPRING MEMBER,
CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1 Plug, straight		L Receptacle, vertical SMT w/ mounting ears	
5 Plug, straight, with factory installed backshell (See page NA-3)			
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell ***		4 Liquid Crystal Polymer w/ stainless steel shell ***	
5 Liquid Crystal Polymer w/ titanium 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 91)	
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 <input checked="" type="checkbox"/>	
		8 50 u" Au contacts; Tin plated terminations	
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None ***		00 None	
TH Threaded hole, #0-80 UNF* **		JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS:		WIRING OPTIONS:	
XX See wiring codes, Page N-151		00 None	
OPTIONS			
		010 .040 lead envelope	

* = #2-56 UNC thread on 85, 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.

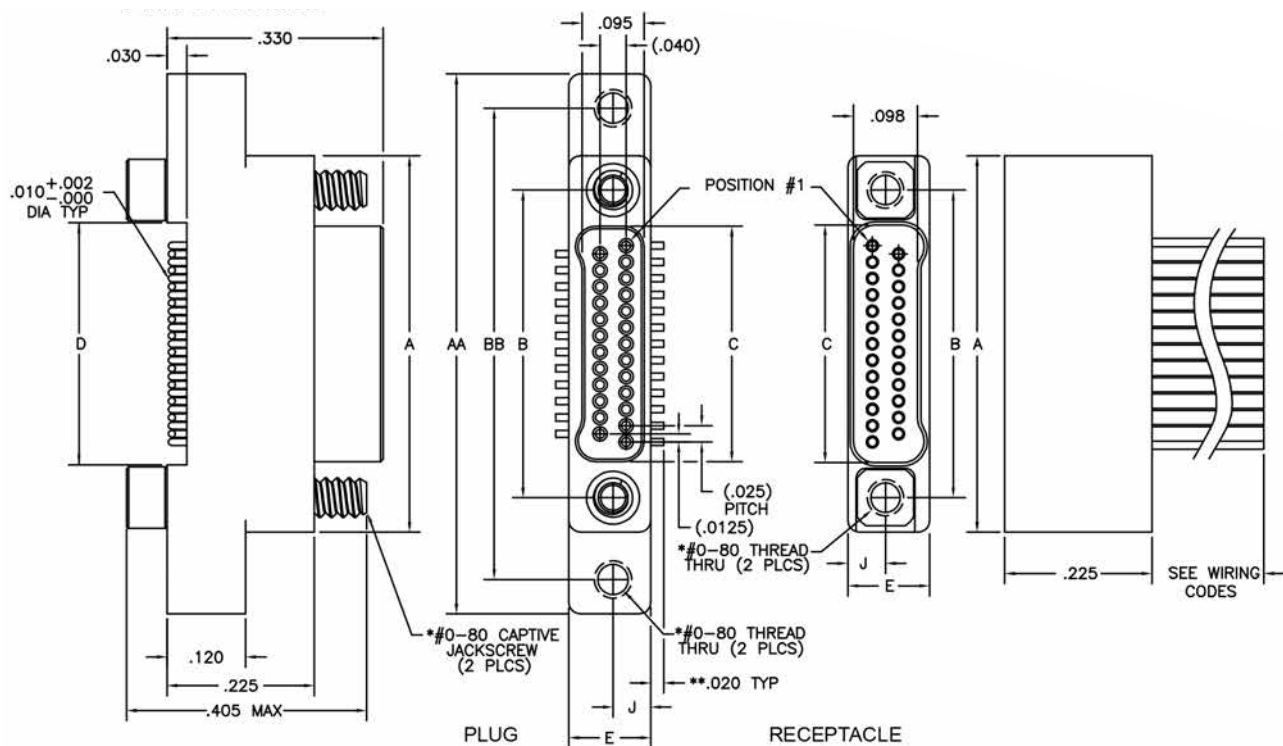
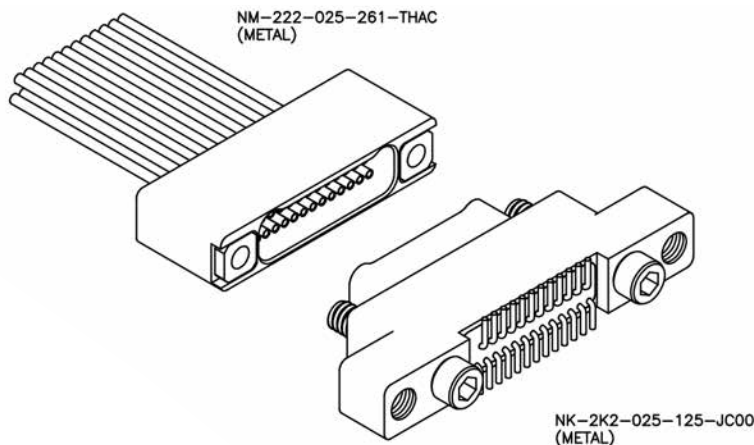
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

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

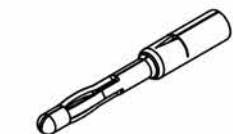
*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

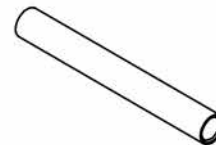
0.025" | 9 THROUGH 91 CONTACTS



DIMENSIONS										
SIZE	A	B	C		D	E	J	AA	BB	HARDWARE*
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.0575	.625	.520	#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	#2-56 THREAD		
85	1.377	1.246	1.110	1.113	1.120	1.679	1.546			
91	1.452	1.321	1.185	1.188	1.195	1.754	1.625			



PIN CONTACT
3 TINE SPRING MEMBER,
CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 & 91 POSITION CONNECTORS
 ** = DIMENSION CHANGES TO .040" FOR "010" OPTION.
 SEE PAGE N-61.

LEAD CONFIGURATION OPTIONS

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		NM025" Metal I/O Connector	
BODY			
2	2-Row	2	2-Row
BODY STYLE:		BODY STYLE:	
K	Plug, vertical SMT w/ mounting ears	2	Receptacle, straight
		6	Receptacle, straight, with factory installed backshell (See page NA-3)
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 <input checked="" type="checkbox"/>	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell ***
5	Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
12	Pin, SMT (.020 lead envelope)	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
5	50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>	1	50 u" Au contacts
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	XX	See wiring codes, Page N-151
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.

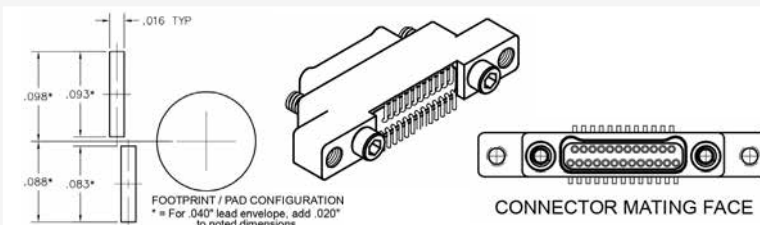
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

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

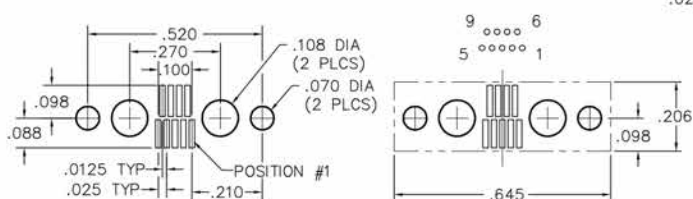
*** = Not available option if specifying factory installed backshell

☒ = Option not RoHS compliant

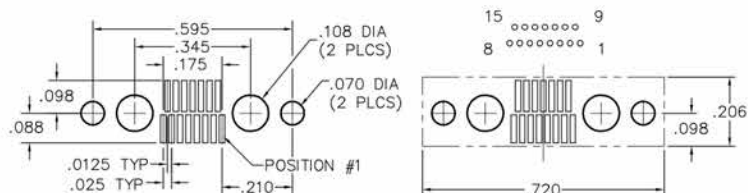
RECOMMENDED PC BOARD LAYOUTS
VERTICAL SMT PLUG WITH MOUNTING EARS
0.020" & 0.040" LEAD ENVELOPES
FOR REFERENCE ONLY
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



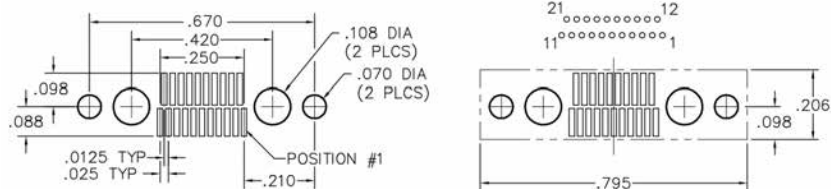
9 POSITION



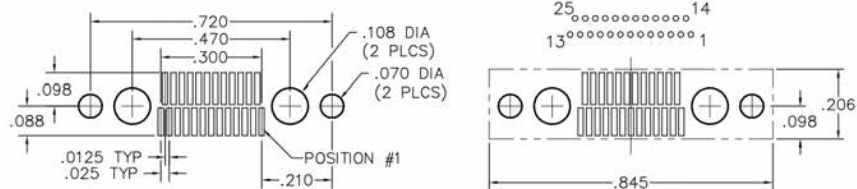
15 POSITION



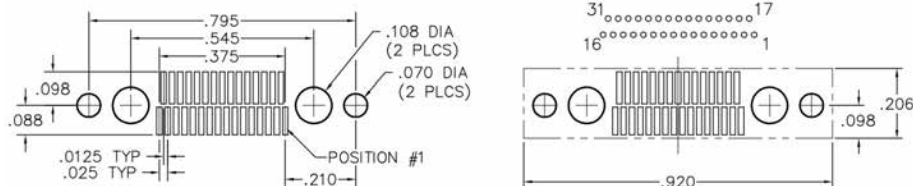
21 POSITION



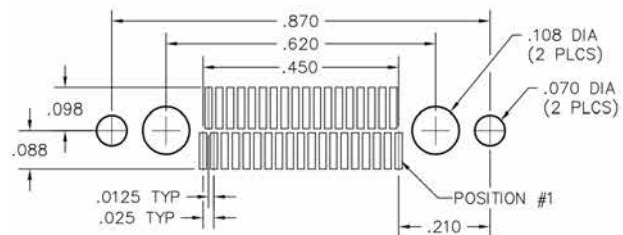
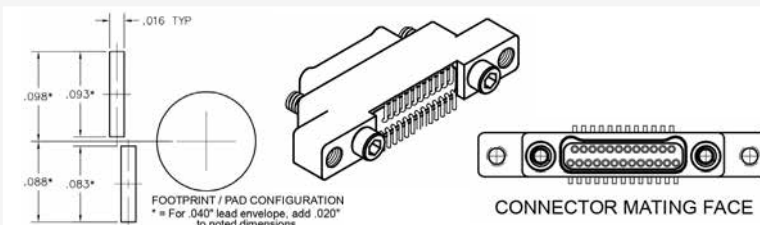
25 POSITION



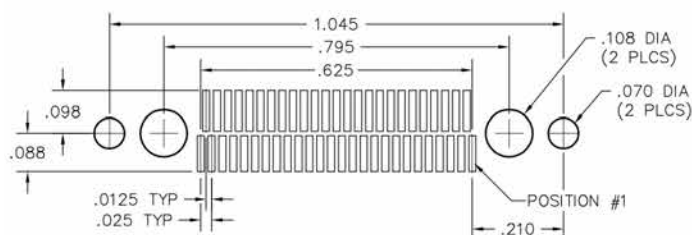
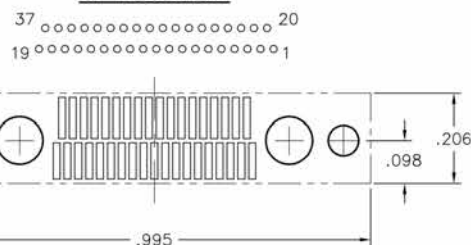
31 POSITION



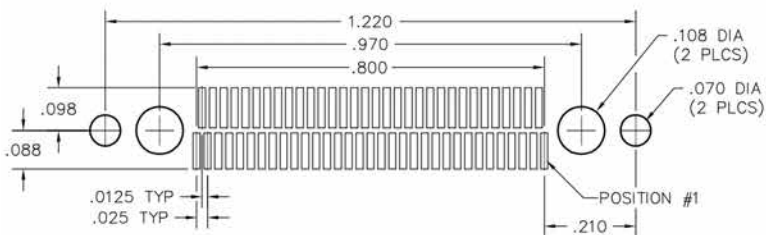
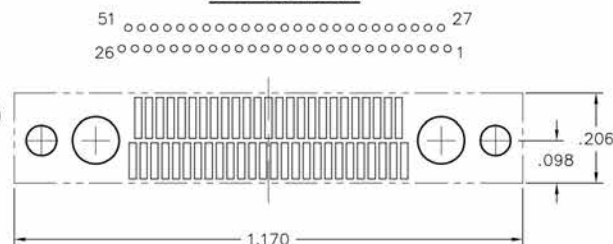
RECOMMENDED PC BOARD LAYOUTS
VERTICAL SMT PLUG WITH MOUNTING EARS
0.020" & 0.040" LEAD ENVELOPES
FOR REFERENCE ONLY
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



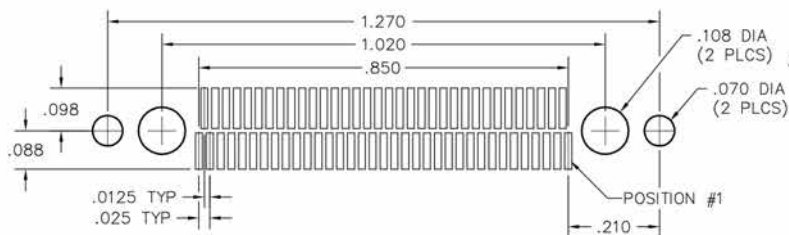
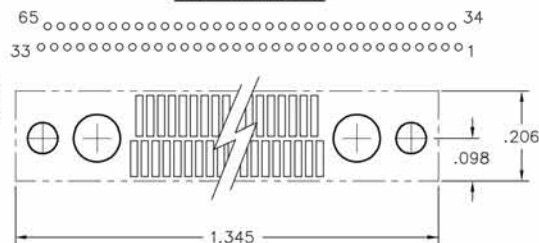
37 POSITION



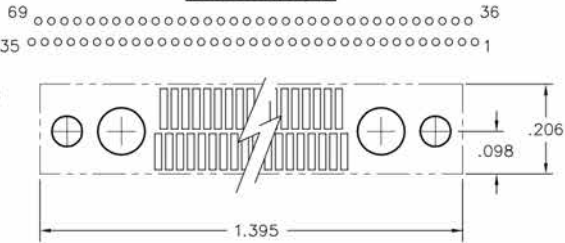
51 POSITION



65 POSITION



69 POSITION



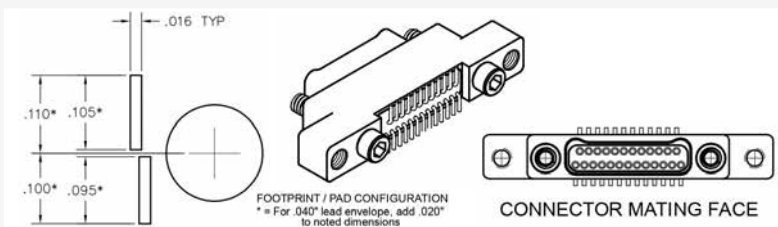
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT PLUG WITH MOUNTING EARS

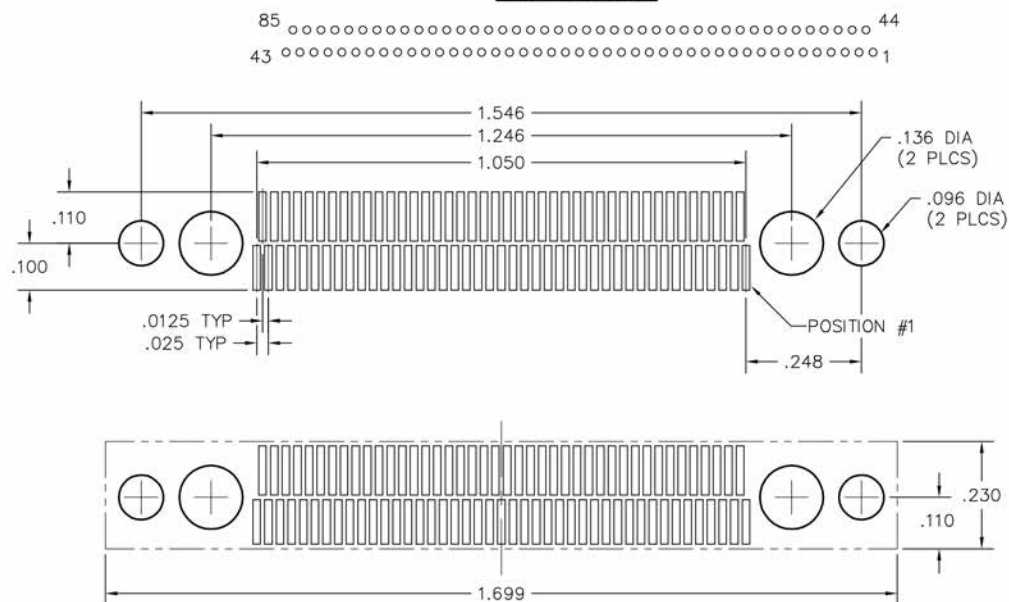
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

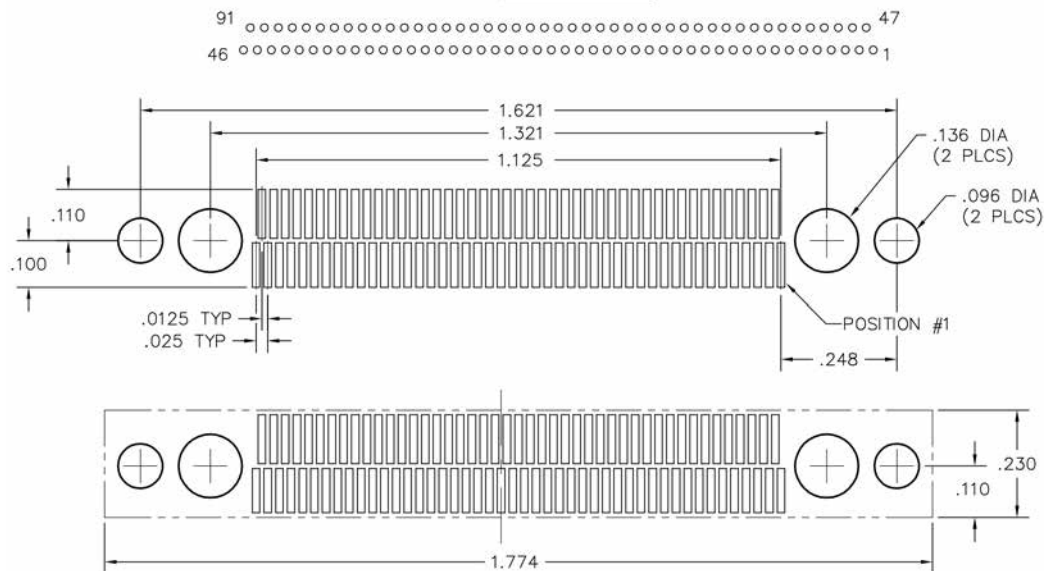
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



85 POSITION



91 POSITION



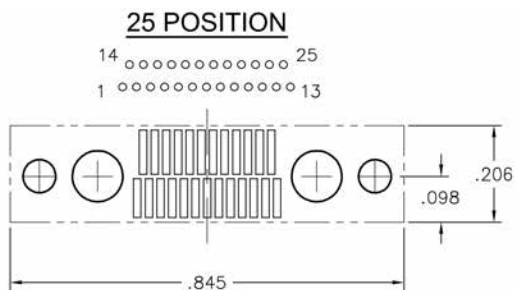
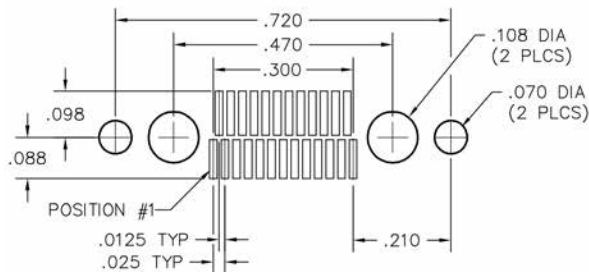
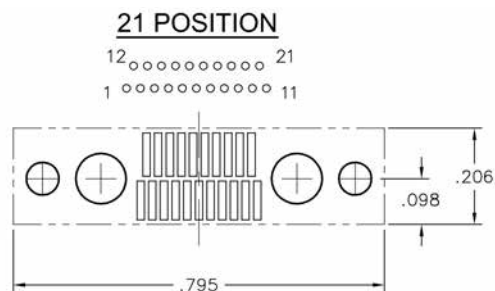
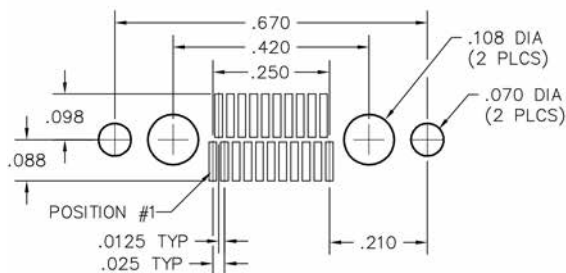
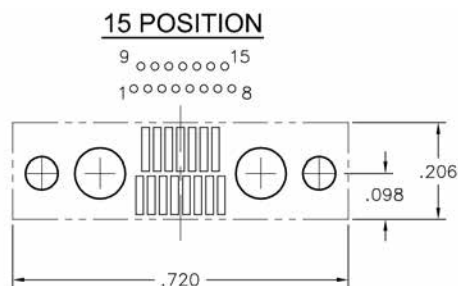
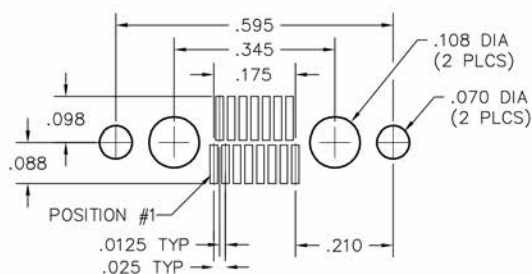
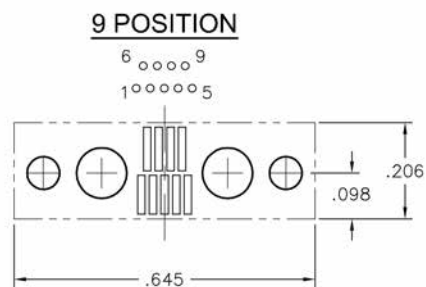
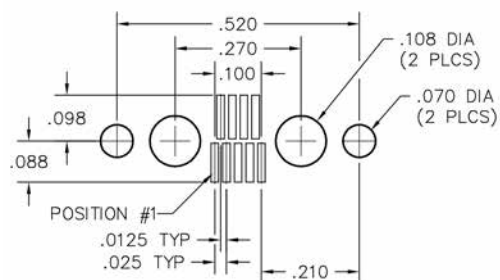
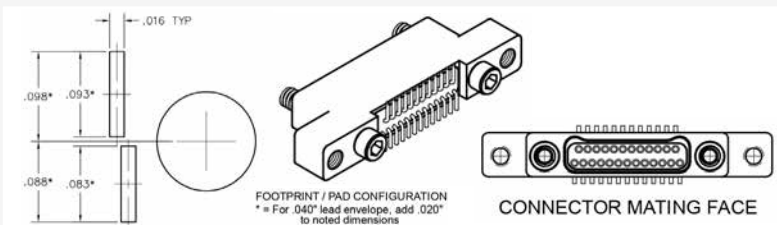
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT RECEPTACLE WITH
MOUNTING EARS

0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



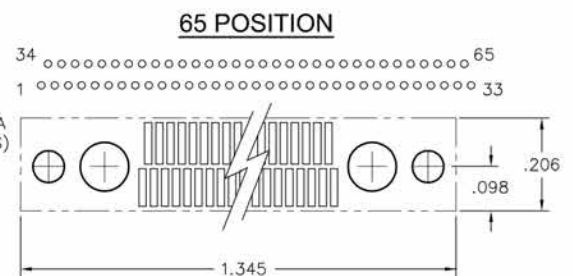
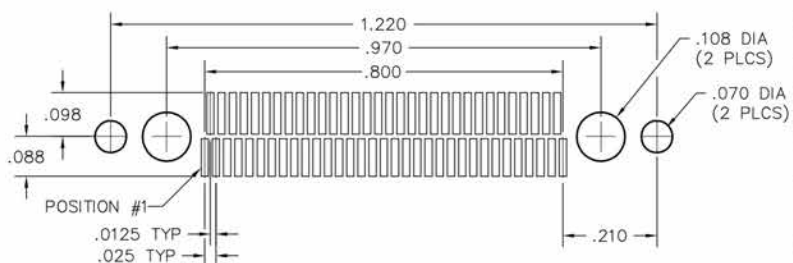
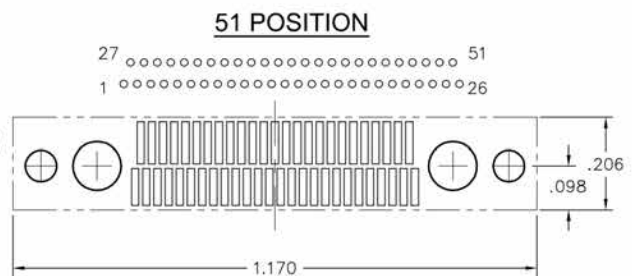
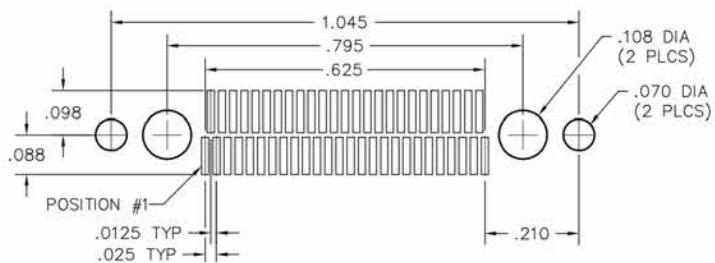
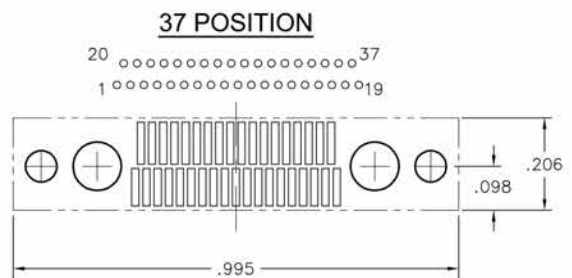
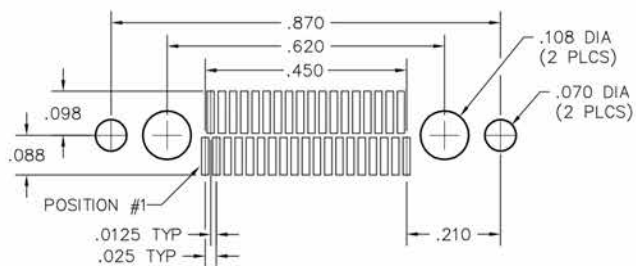
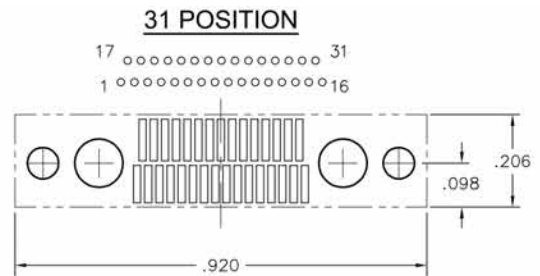
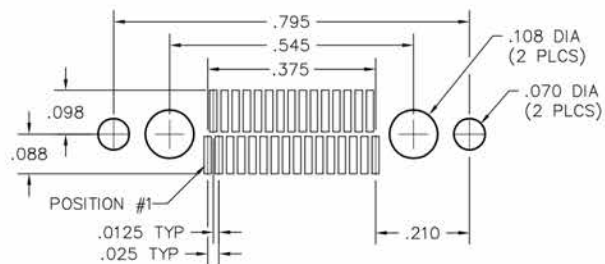
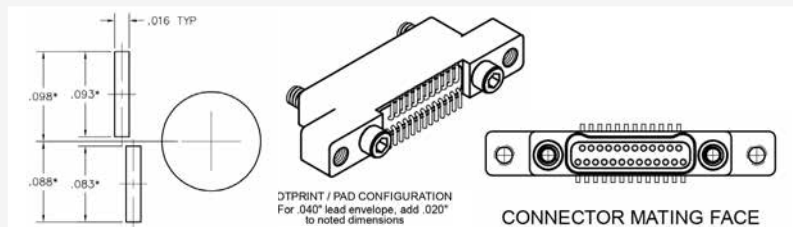
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT RECEPTACLE WITH
MOUNTING EARS

0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



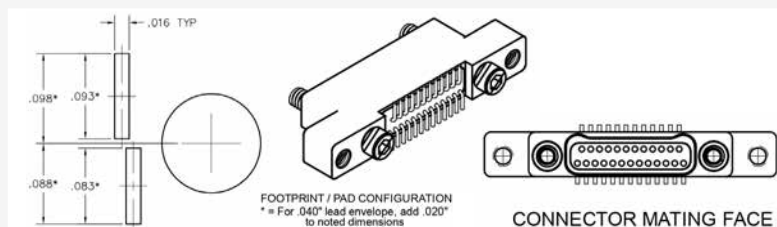
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT RECEPTACLE WITH
MOUNTING EARS

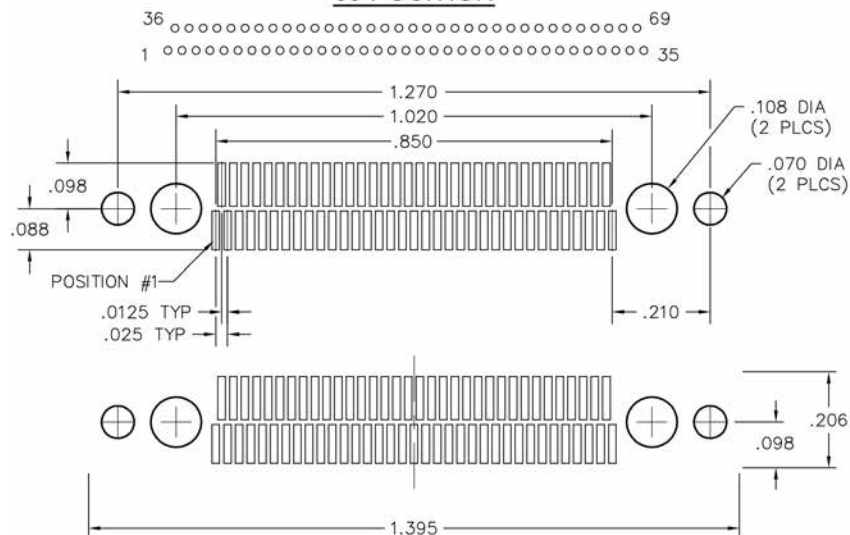
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

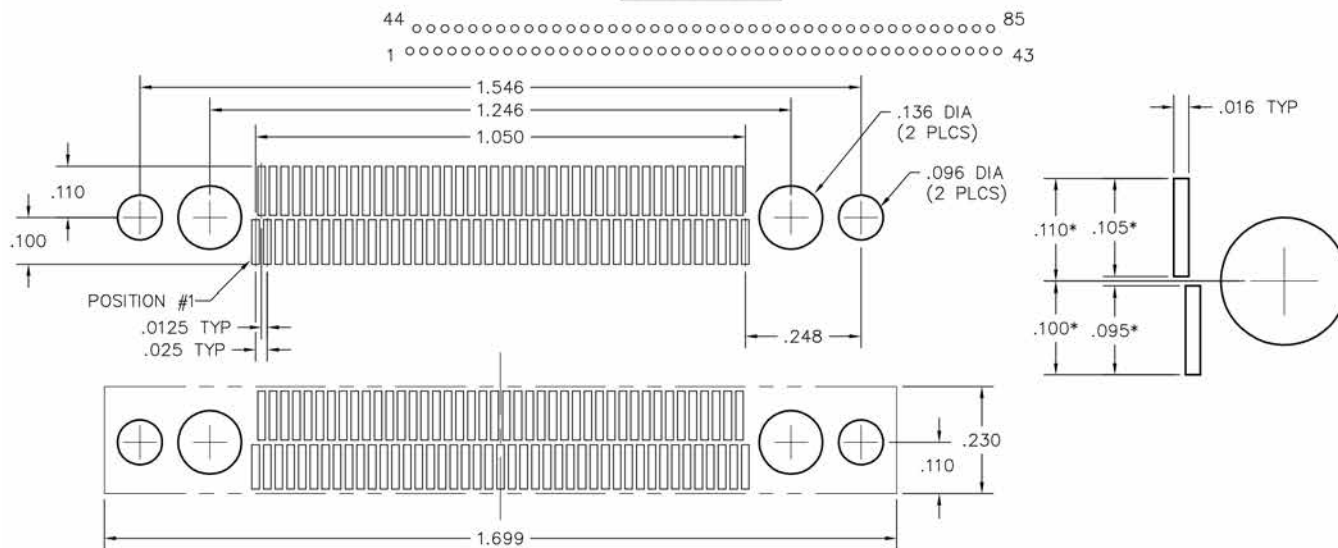
NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



69 POSITION



85 POSITION



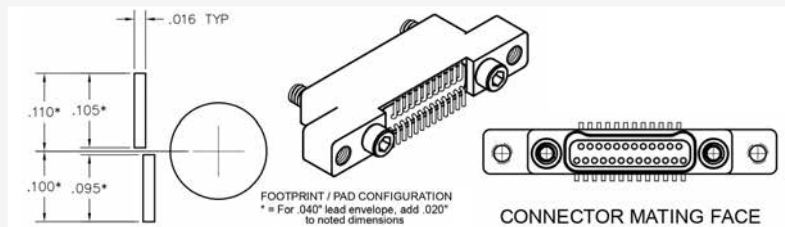
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT RECEPTACLE WITH
MOUNTING EARS

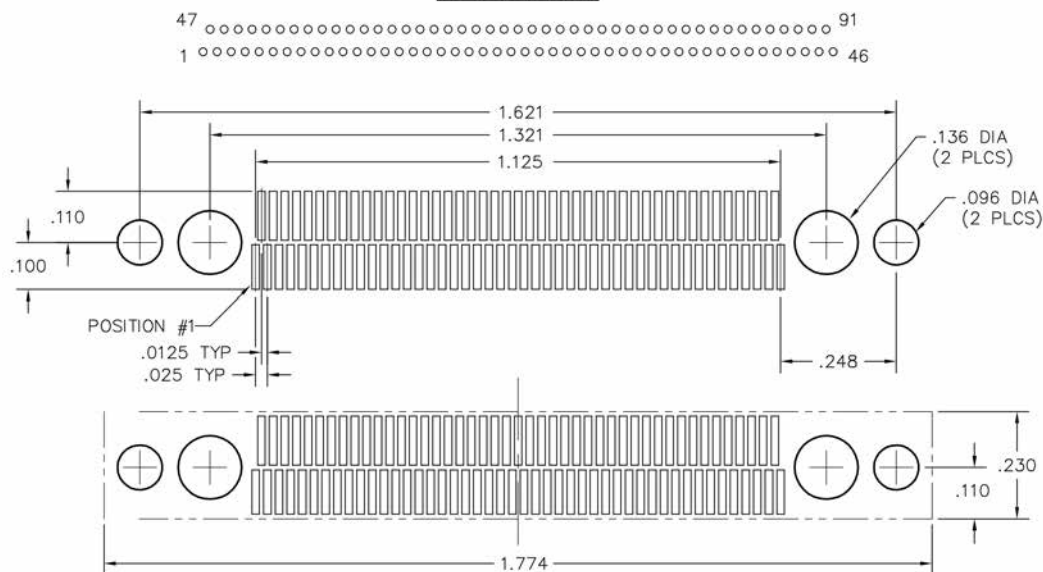
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



91 POSITION



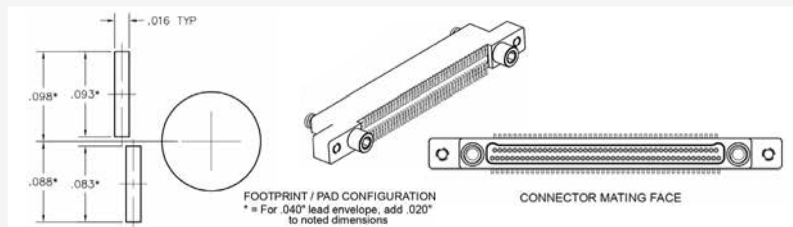
RECOMMENDED PC BOARD LAYOUTS

VERTICAL SMT RECEPTACLE WITH
MOUNTING EARS

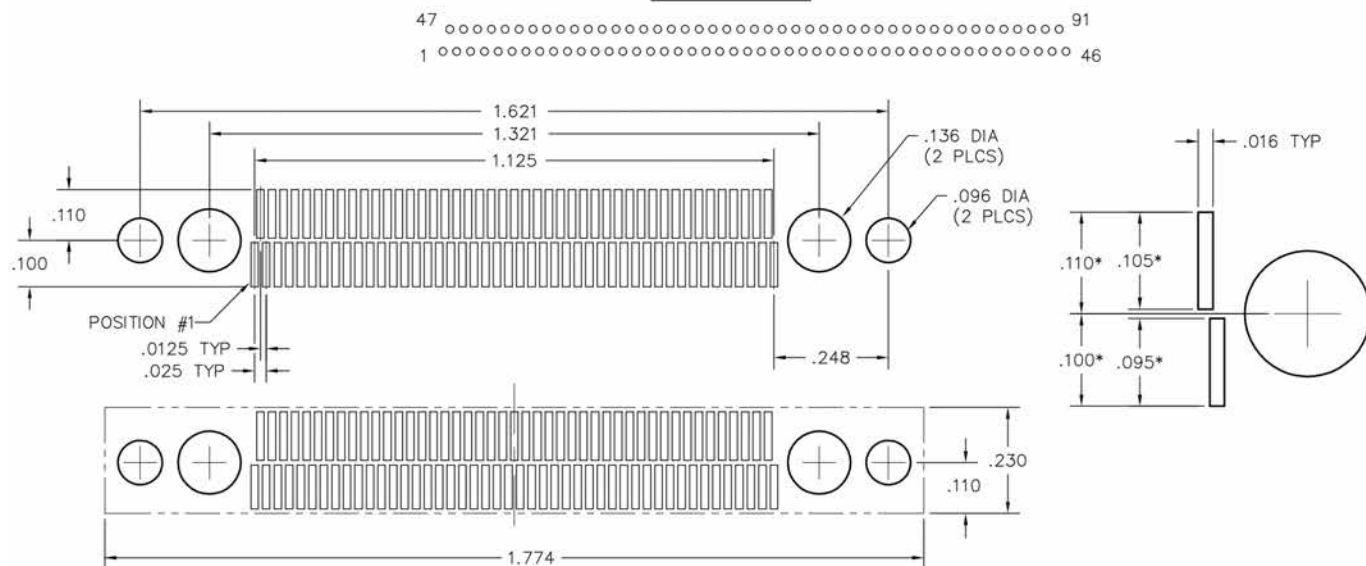
0.020" & 0.040" LEAD ENVELOPES

FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE

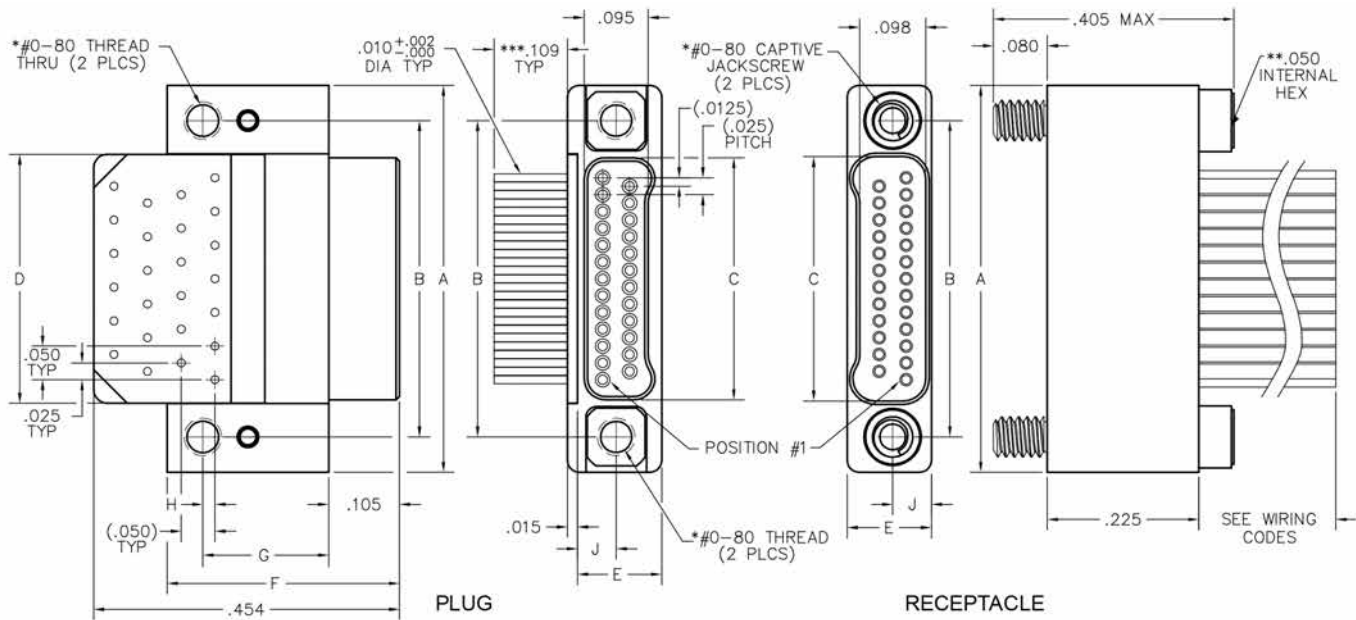
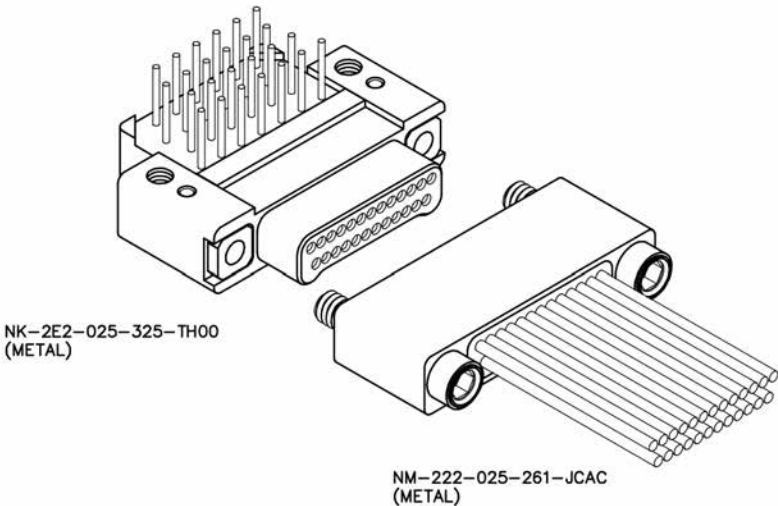


91 POSITION



TWO ROW – CABLE-TO-BOARD RIGHT ANGLE PTH

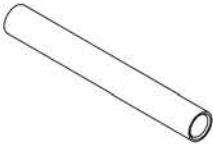
NM & NK
0.025" | 9 THROUGH 91 CONTACTS



SIZE	A	B	C		D	E	F	G	H	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	.018	.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	.410	.244	.075	.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

LEAD CONFIGURATION OPTIONS

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		2 2-Row	
BODY STYLE:		BODY STYLE:	
E Plug, right angle, plated thru hole (PTH)		2 Receptacle, straight	
		6 Receptacle, straight, with factory installed backshell (See page NA-3)	
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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell		4 Liquid Crystal Polymer w/ stainless steel shell ***	
5 Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
32 Pin, right angle, .109"		26 Socket, straight, crimped wire	
33 Pin, right angle, .140"			
34 Pin, right angle, .172"			
PLATING OPTIONS:		PLATING OPTIONS:	
5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>		1 50 u" Au contacts	
8 50 u" Au contacts; Tin plated terminations			
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None		00 None ***	
TH Threaded hole, #0-80 UNF* **		JC Turning jackscrews, captivated #0-80 UNF*	
WIRING OPTIONS:		WIRING OPTIONS:	
00 None		XX See wiring codes, Page N-151	

* = #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.

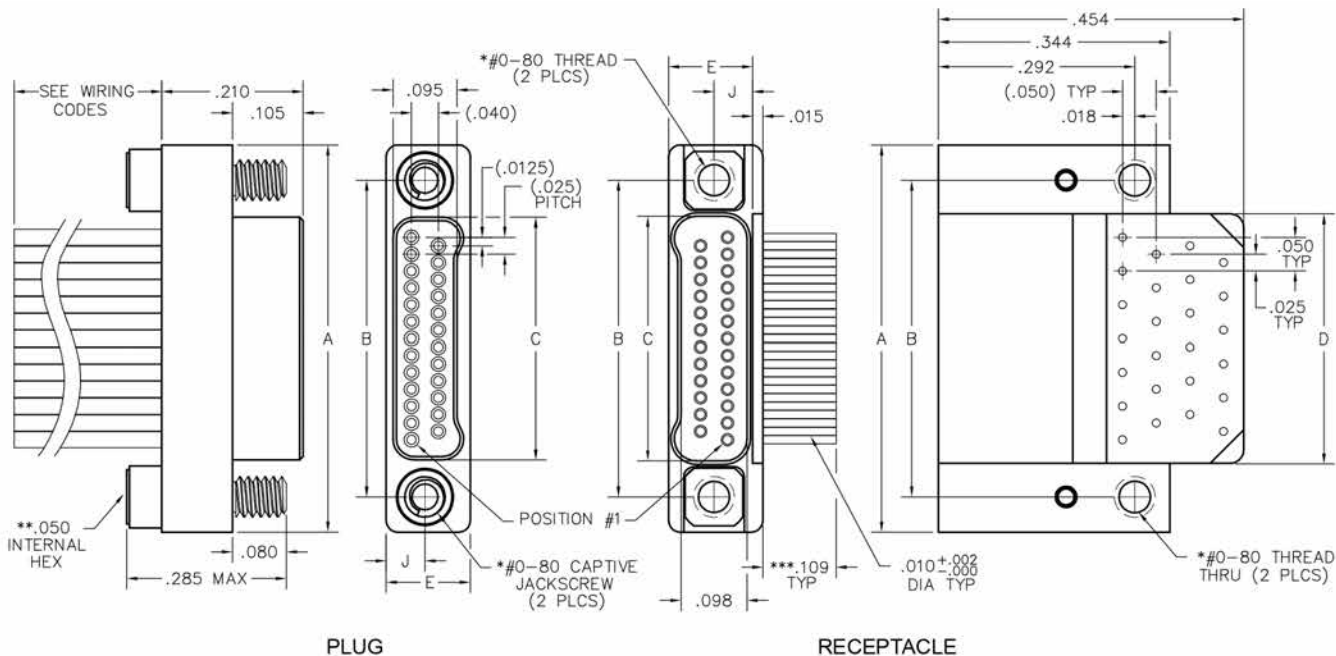
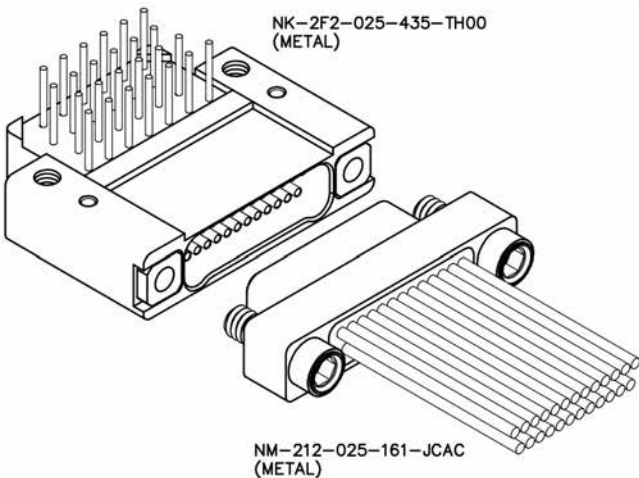
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

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

☒ = Option not RoHS compliant

TWO ROW – CABLE-TO-BOARD RIGHT-ANGLE PTH

NM & NK
0.025" | 9 THROUGH 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			



* = #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

LEAD CONFIGURATION OPTIONS

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 X 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 X 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: 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 X 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 N-151		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.

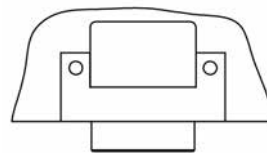
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

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

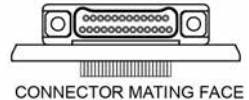
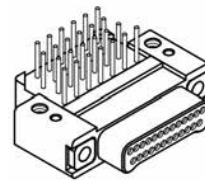
*** = Not available option if specifying factory installed backshell.

X = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS
RIGHT-ANGLE PTH PLUG
 FOR REFERENCE ONLY

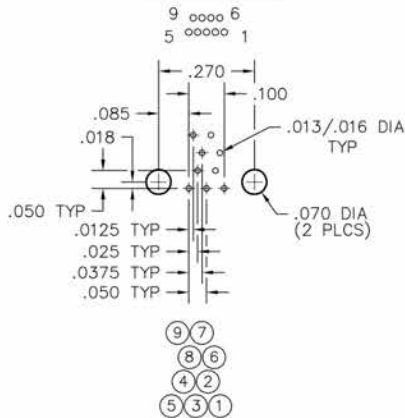


PC BOARD LAYOUT
 COMPONENT SIDE

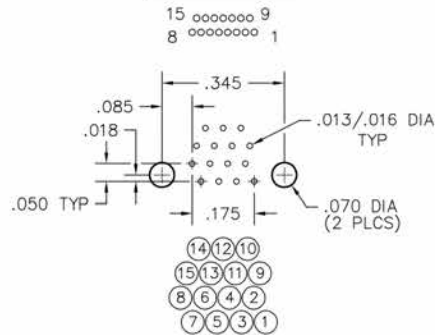


CONNECTOR MATING FACE

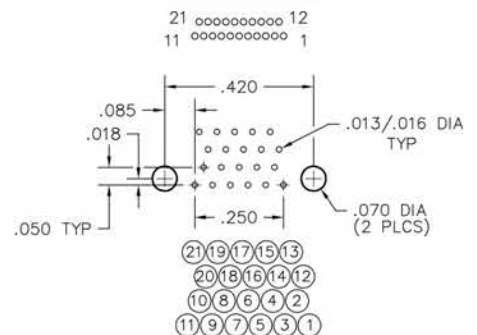
9 POSITION



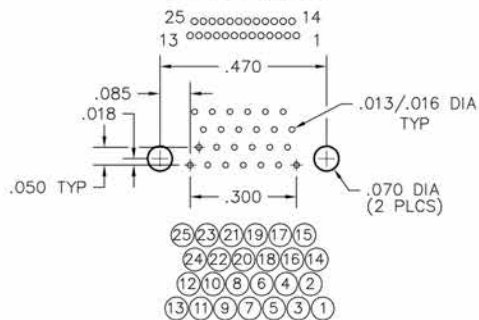
15 POSITION



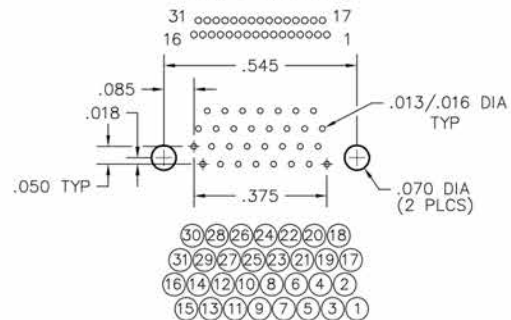
21 POSITION



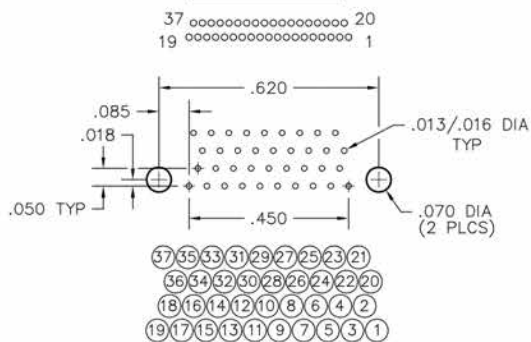
25 POSITION



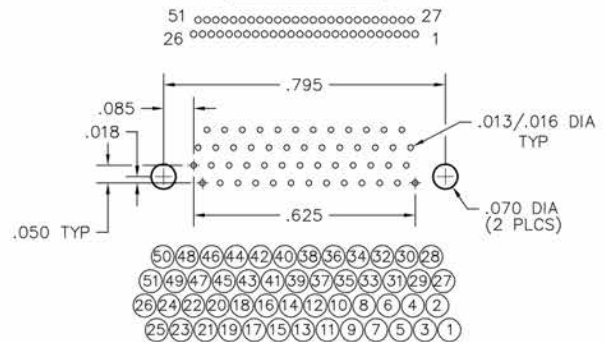
31 POSITION



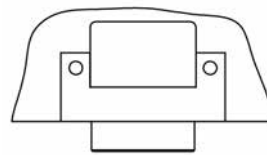
37 POSITION



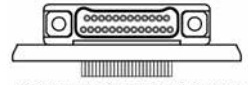
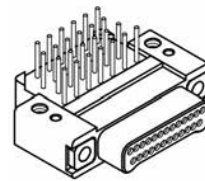
51 POSITION



RECOMMENDED PC BOARD LAYOUTS
RIGHT-ANGLE PTH PLUG
 FOR REFERENCE ONLY

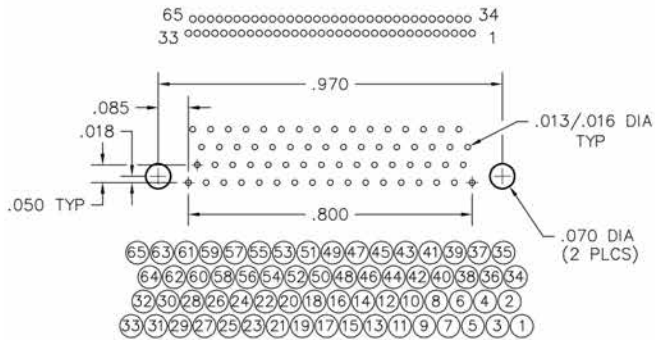


PC BOARD LAYOUT
COMPONENT SIDE

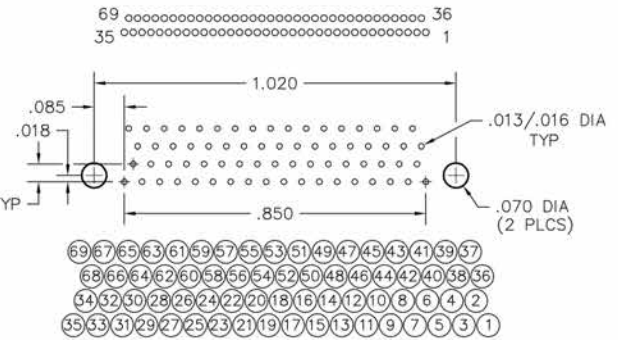


CONNECTOR MATING FACE

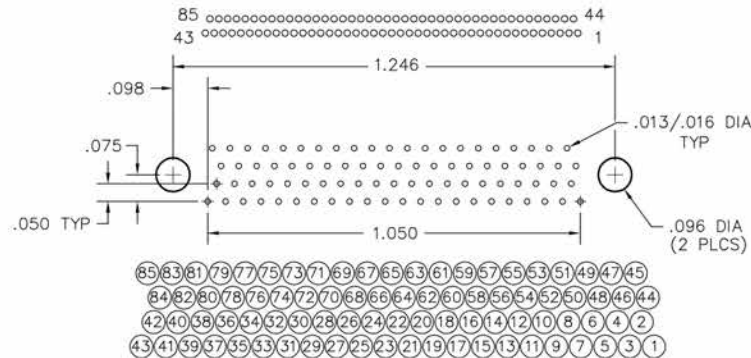
65 POSITION



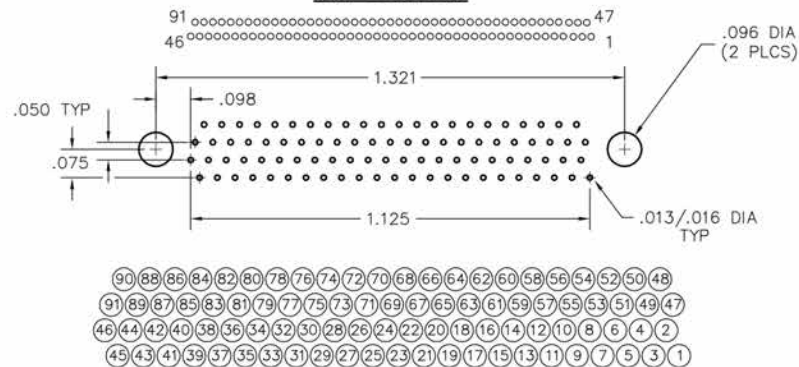
69 POSITION



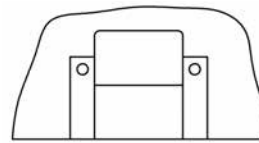
85 POSITION



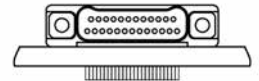
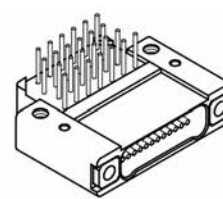
91 POSITION



RECOMMENDED PC BOARD LAYOUTS
RIGHT-ANGLE PTH RECEPTACLE
 FOR REFERENCE ONLY

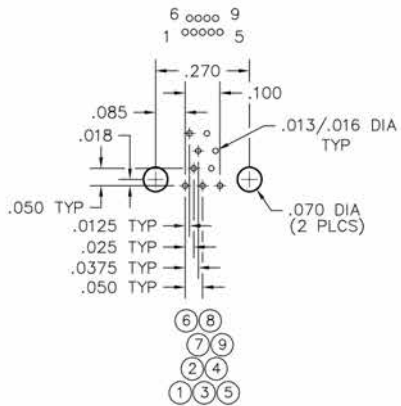


PC BOARD LAYOUT
COMPONENT SIDE

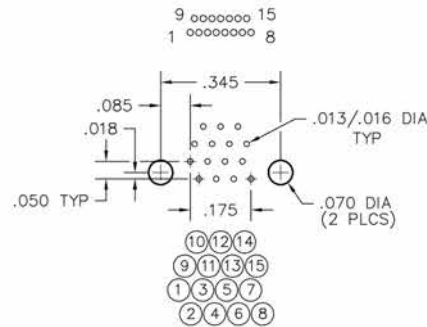


CONNECTOR MATING FACE

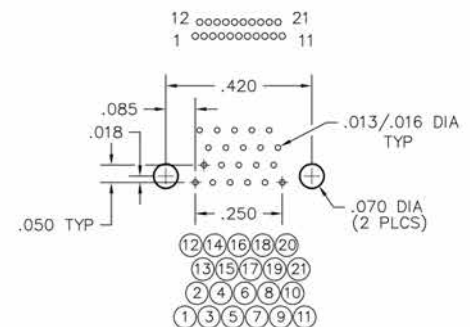
9 POSITION



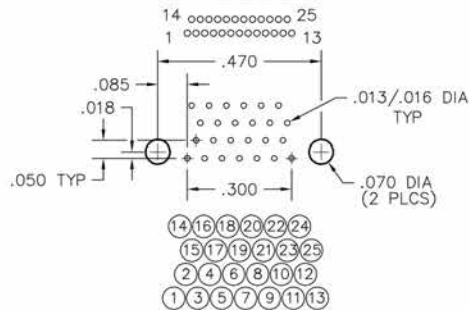
15 POSITION



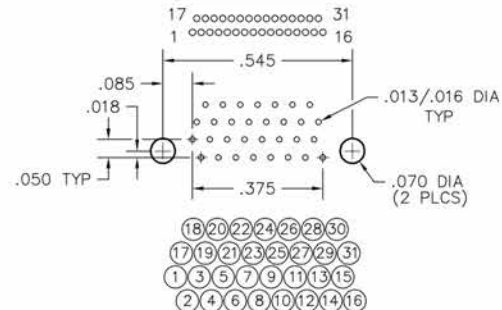
21 POSITION



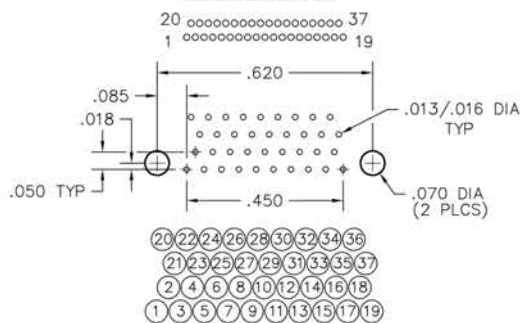
25 POSITION



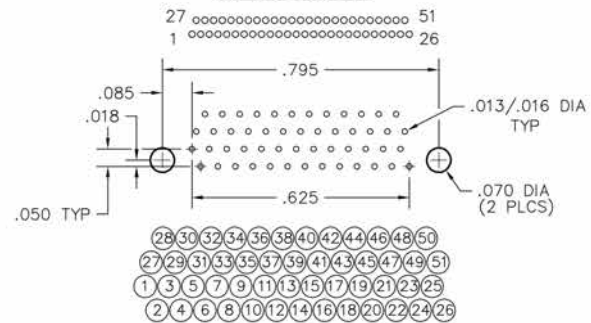
31 POSITION



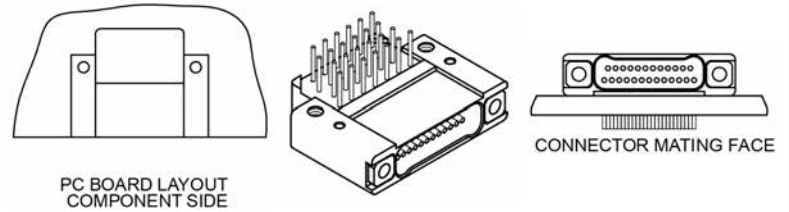
37 POSITION



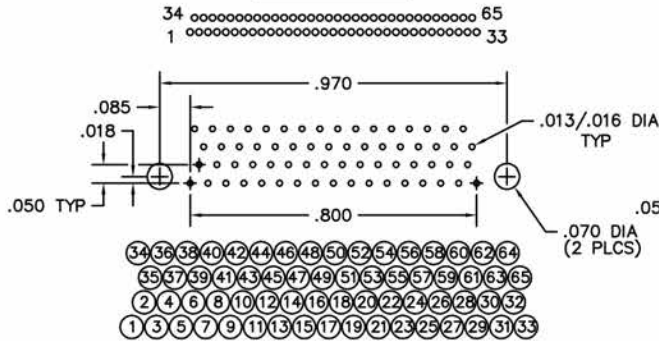
51 POSITION



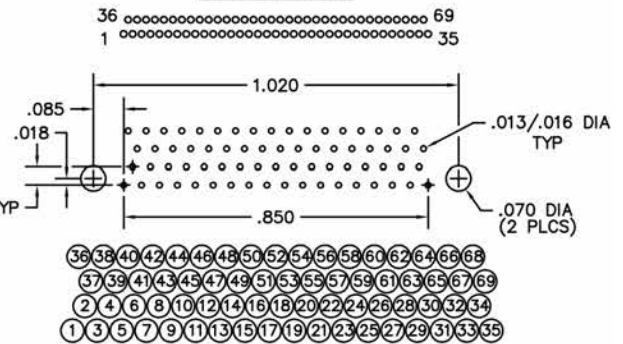
RECOMMENDED PC BOARD LAYOUTS
RIGHT-ANGLE PTH RECEPTACLE
 FOR REFERENCE ONLY



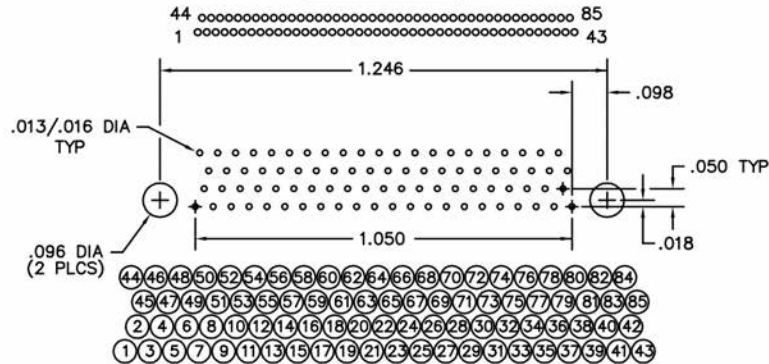
65 POSITION



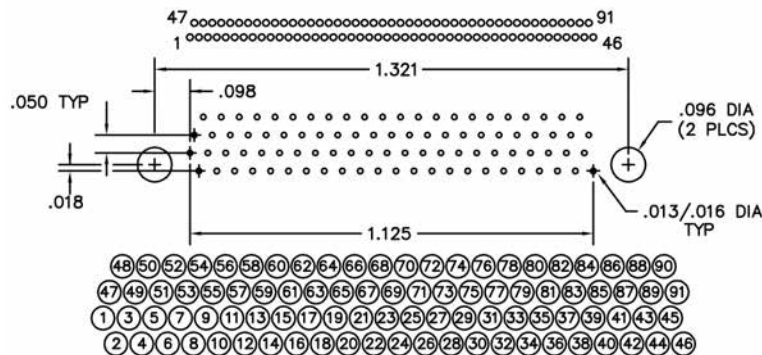
69 POSITION



85 POSITION

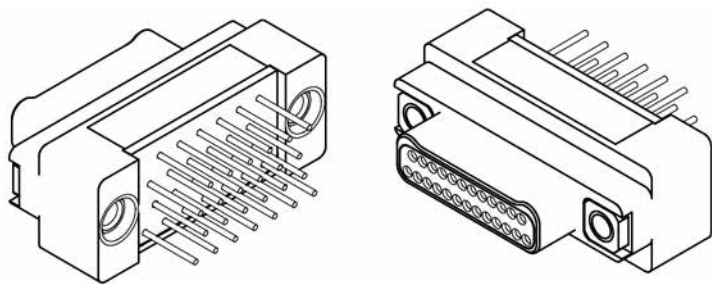


91 POSITION

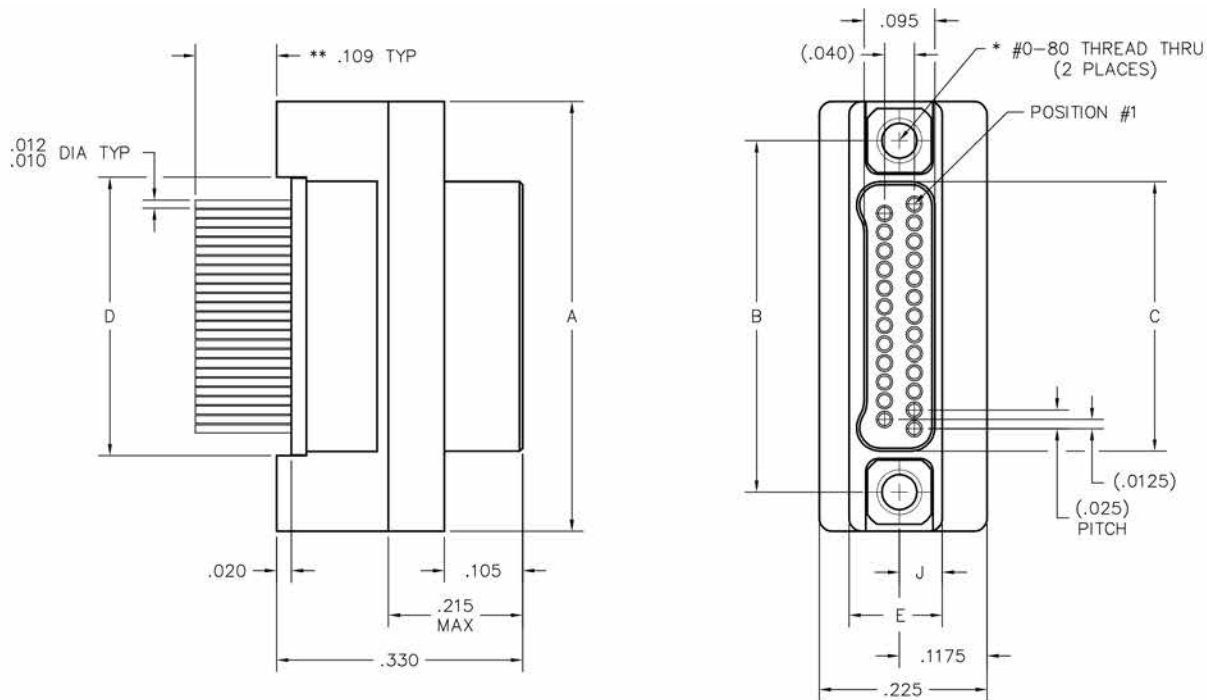


TWO ROW – VERTICAL PTH PLUG WITH FIXED HARDWARE

NK
0.025" | 9 THROUGH 91 CONTACTS



NK-2G2-025-135-TH00
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			
69	1.125	1.020	.910	.920			
85	1.377	1.246	1.110	1.120			
91	1.452	1.321	1.185	1.195	.150	.070	#2-56 THREAD



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

LEAD CONFIGURATION OPTIONS

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 <input checked="" type="checkbox"/>
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)	
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 <input checked="" type="checkbox"/>
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.

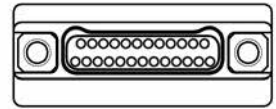
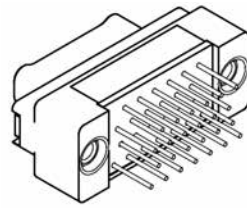
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

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

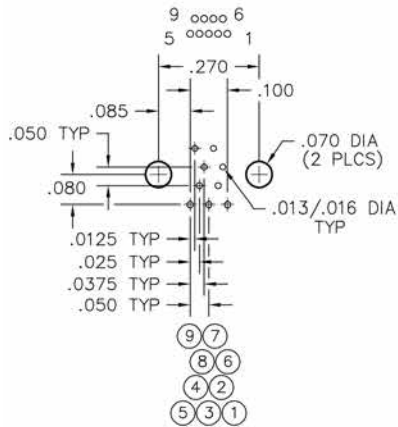
☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS
VERTICAL PTH PLUG
 FOR REFERENCE ONLY

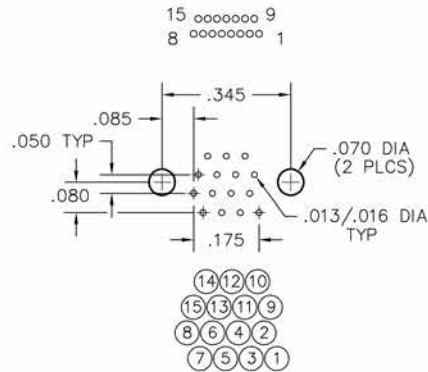


CONNECTOR MATING FACE

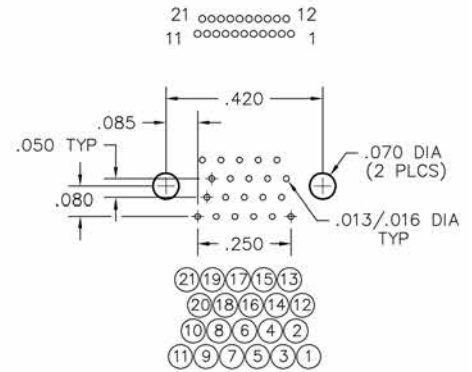
9 POSITION



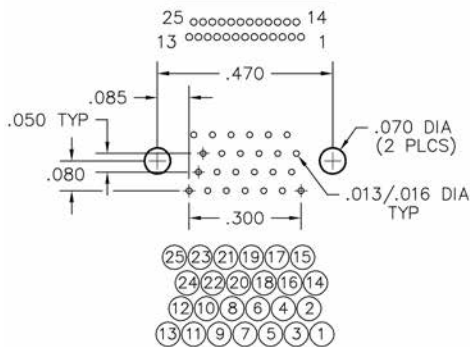
15 POSITION



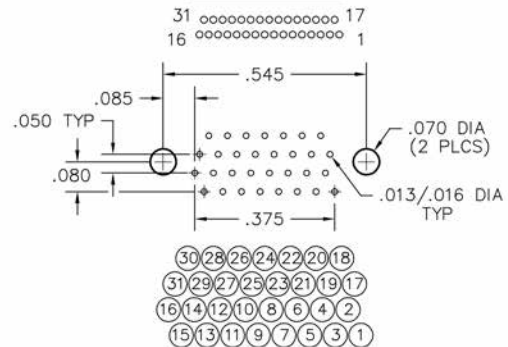
21 POSITION



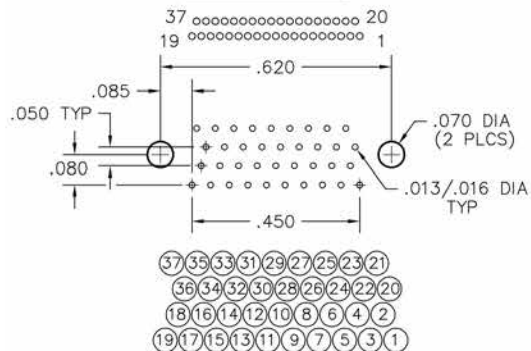
25 POSITION



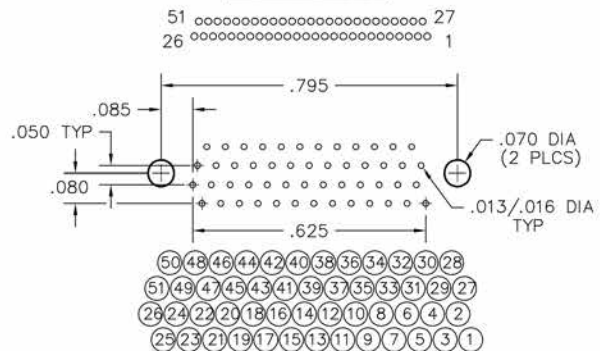
31 POSITION



37 POSITION



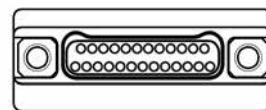
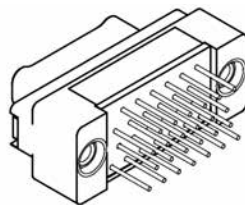
51 POSITION



RECOMMENDED PC BOARD LAYOUTS

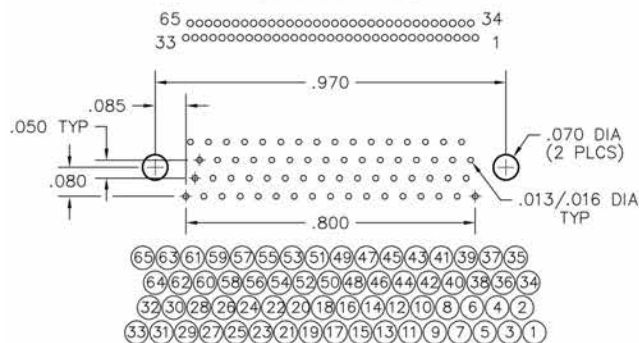
VERTICAL PTH PLUG

FOR REFERENCE ONLY

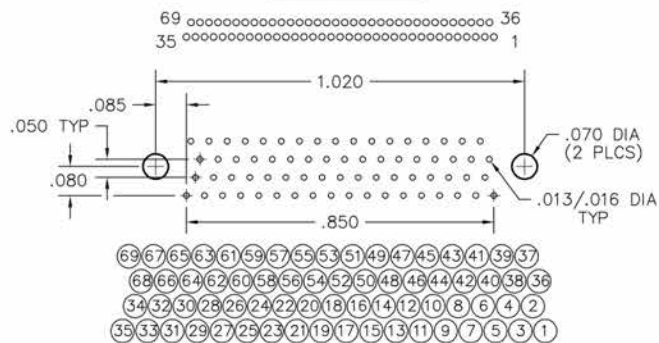


CONNECTOR MATING FACE

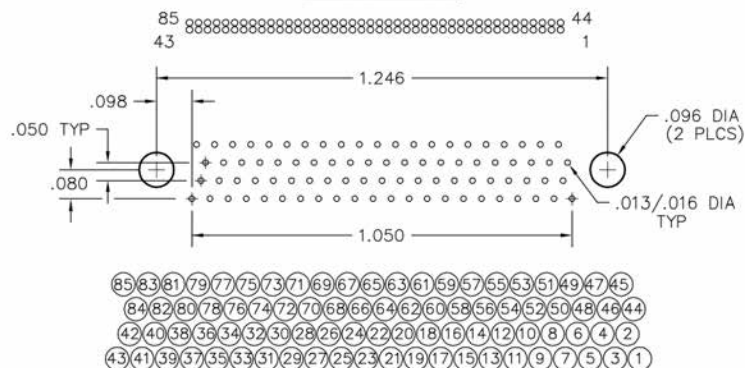
65 POSITION



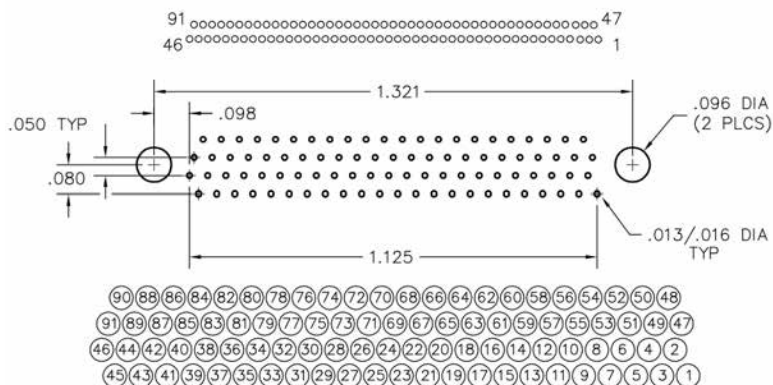
69 POSITION



85 POSITION

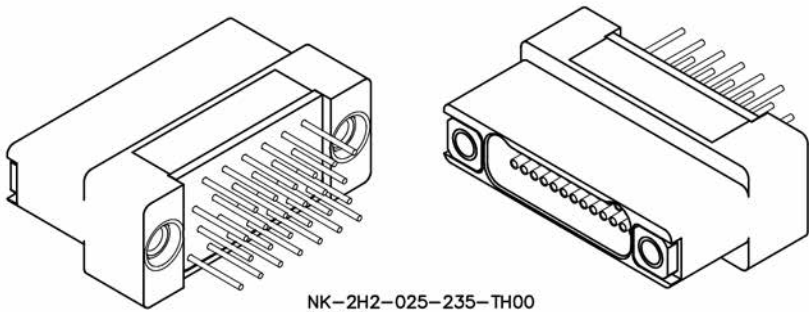


91 POSITION

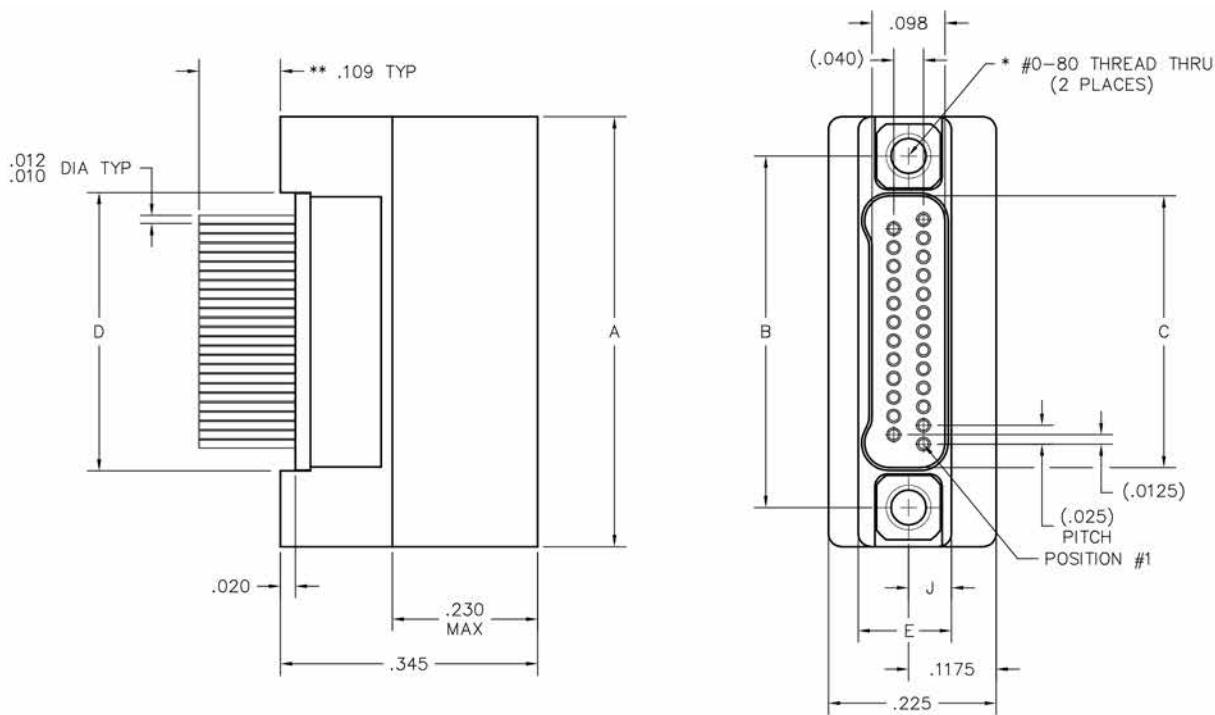


TWO ROW – VERTICAL PTH RECEPTACLE WITH FIXED HARDWARE

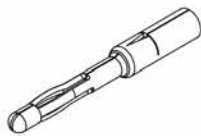
NK
0.025" | 9 THROUGH 91 CONTACTS



NK-2H2-025-235-TH00
(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			
85	1.377	1.246	1.113	1.120	.150	.070	#2-56 THREAD
91	1.452	1.321	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.
** = OTHER LENGTHS AS REQUIRED

LEAD CONFIGURATION OPTIONS

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 <input checked="" type="checkbox"/>								
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)									
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 <input checked="" type="checkbox"/>								
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.

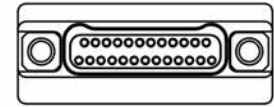
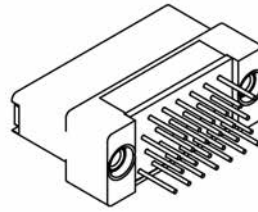
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS

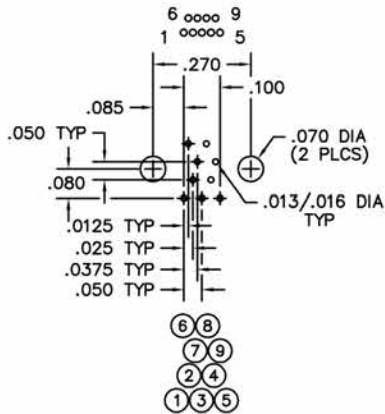
VERTICAL PTH RECEPTACLE

FOR REFERENCE ONLY

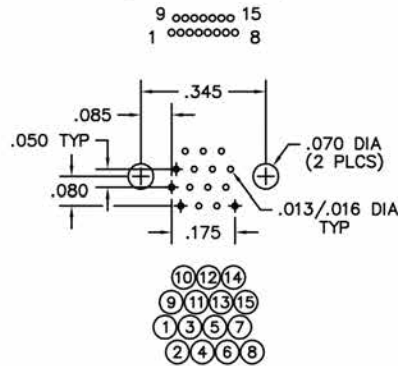


CONNECTOR MATING FACE

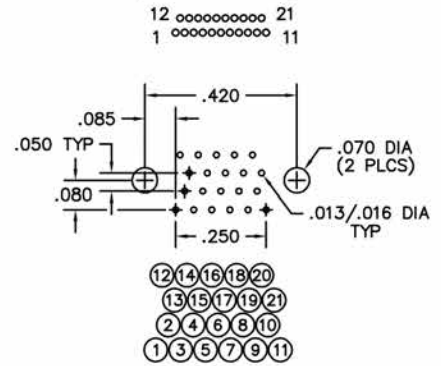
9 POSITION



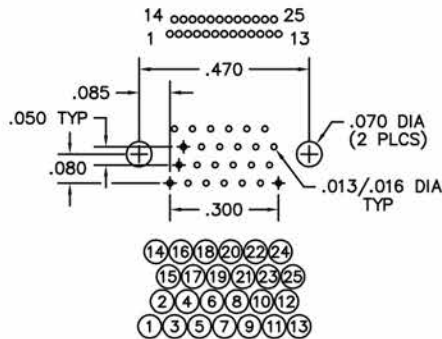
15 POSITION



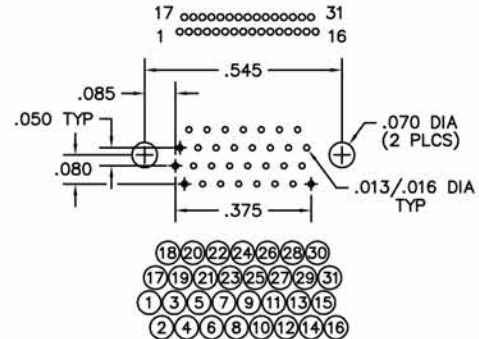
21 POSITION



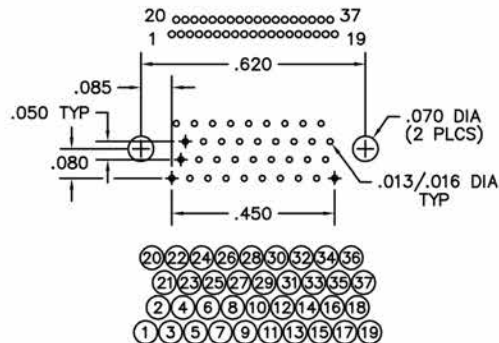
25 POSITION



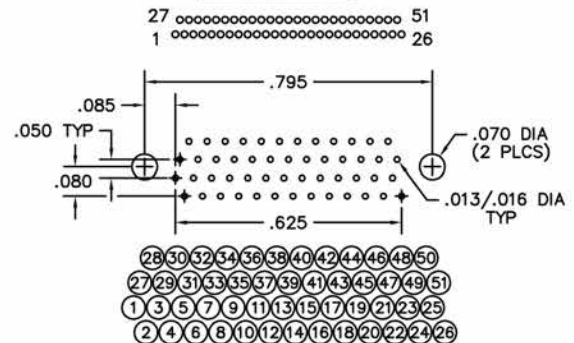
31 POSITION



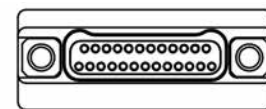
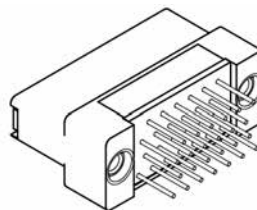
37 POSITION



51 POSITION

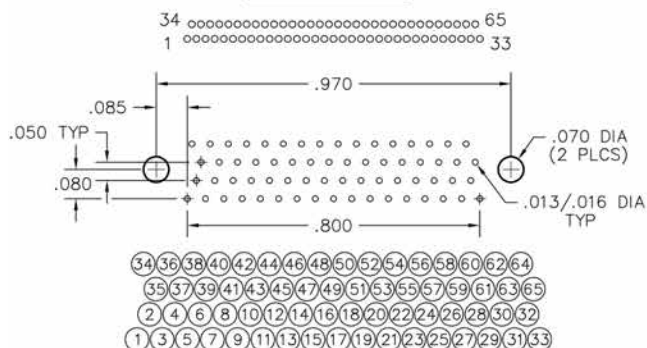


RECOMMENDED PC BOARD LAYOUTS
VERTICAL PTH RECEPTACLE
 FOR REFERENCE ONLY

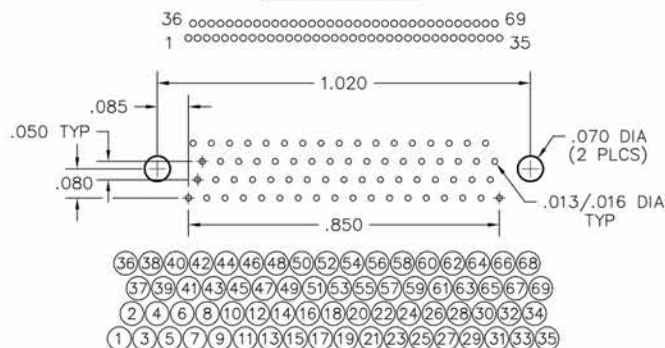


CONNECTOR MATING FACE

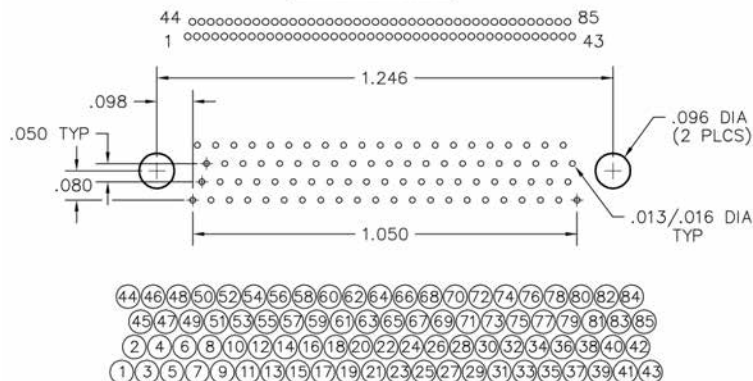
65 POSITION



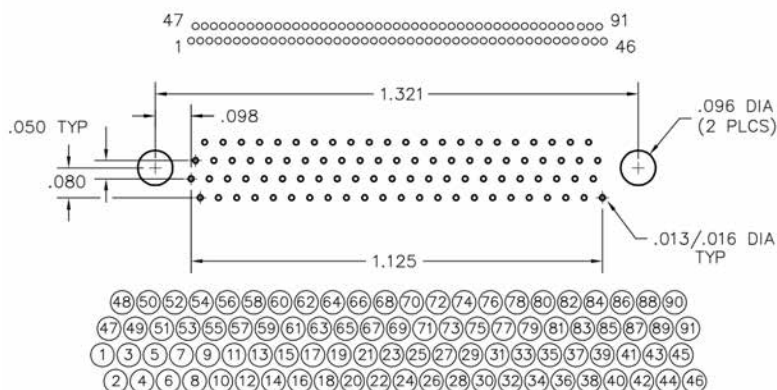
69 POSITION



85 POSITION

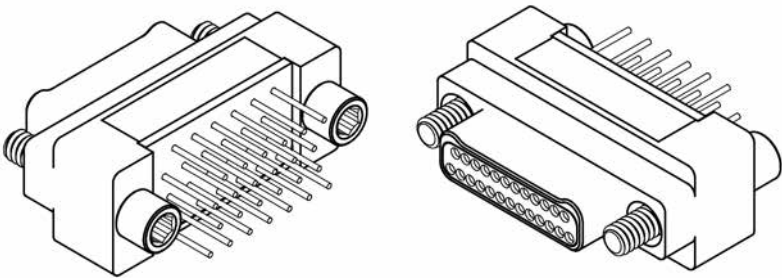


91 POSITION

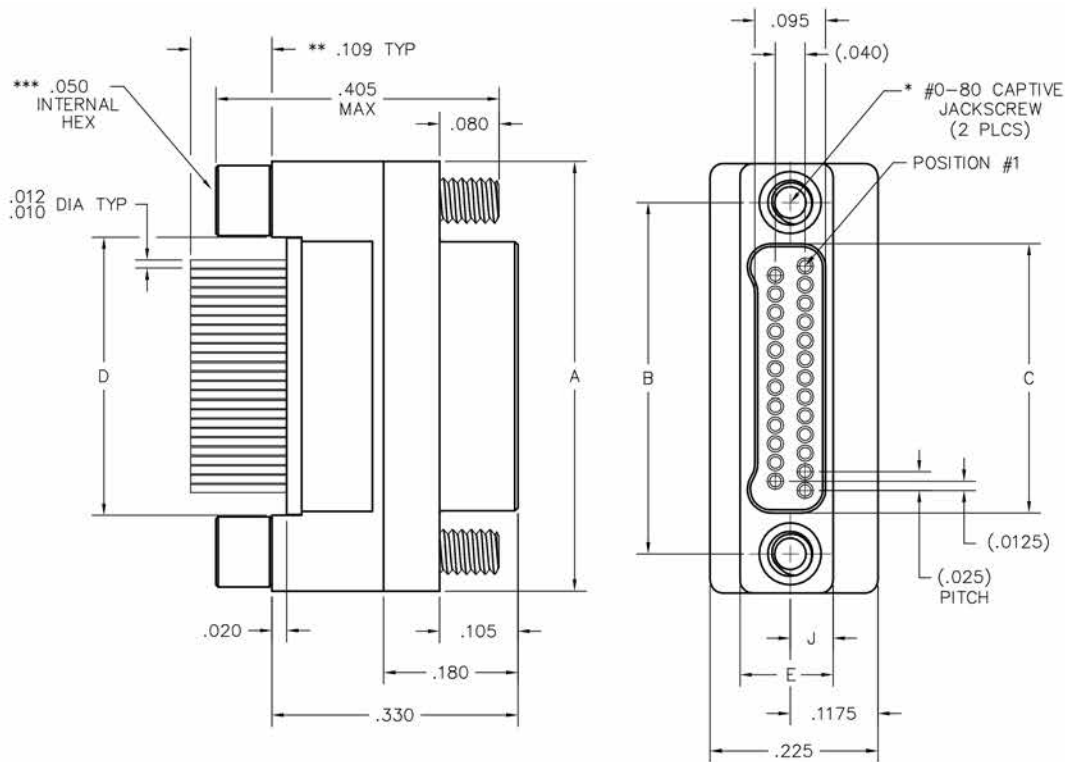


TWO ROW – VERTICAL PTH PLUG WITH TURNING HARDWARE

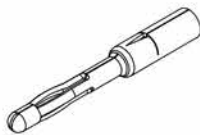
NK
0.025" | 9 THROUGH 91



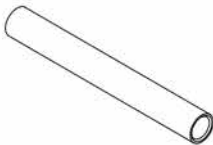
NK-2G2-025-135-JC00
PLUG



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			
69	1.125	1.020	.910	.920			
85	1.377	1.246	1.110	1.120			
91	1.452	1.321	1.185	1.195	.150	.070	#2-56 THREAD



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 & 91 POSITION CONNECTORS.
HEX MEASUREMENT TAKEN ACROSS THE FLATS.

LEAD CONFIGURATION OPTIONS

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 ☒
- 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)

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

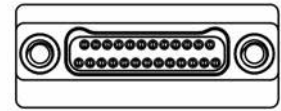
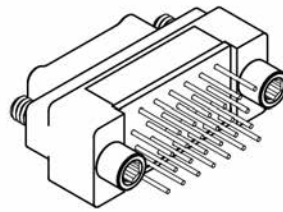
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

.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.

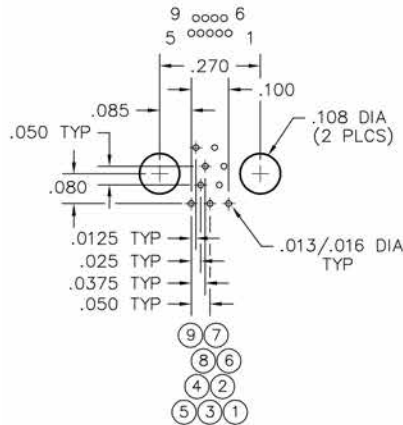
☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS
 VERTICAL PTH PLUG WITH
 TURNING HARDWARE
 FOR REFERENCE ONLY

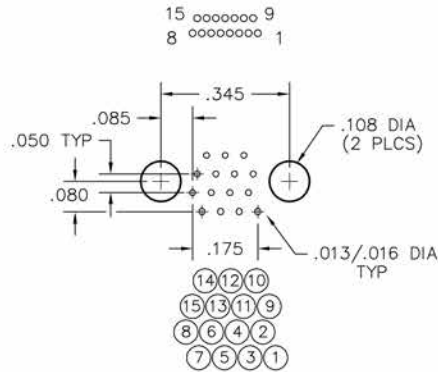


CONNECTOR MATING FACE

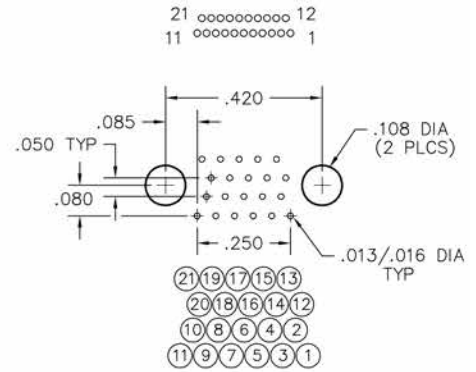
9 POSITION



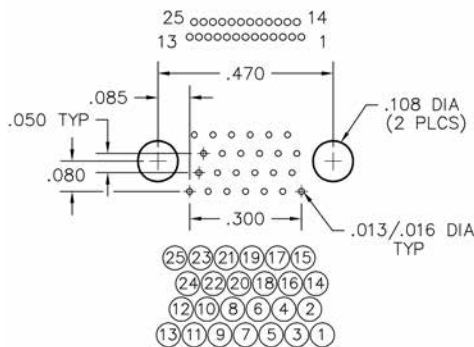
15 POSITION



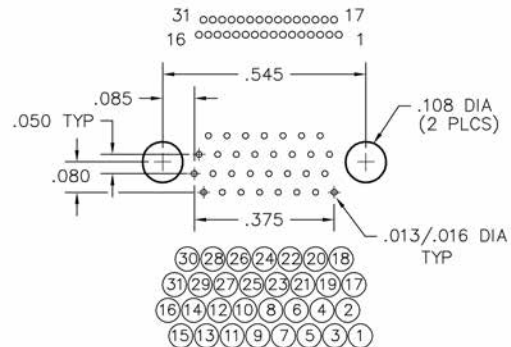
21 POSITION



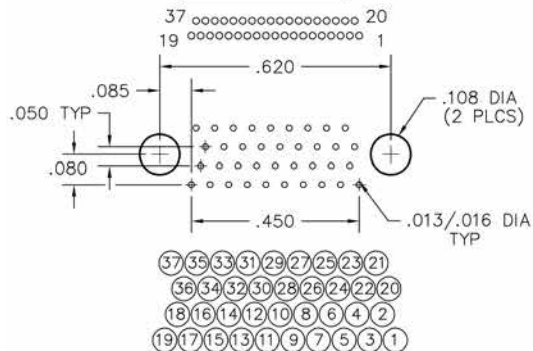
25 POSITION



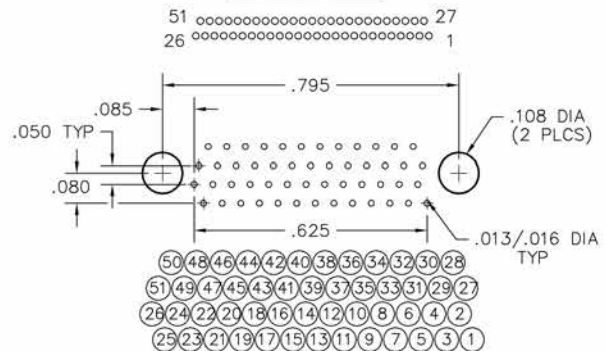
31 POSITION



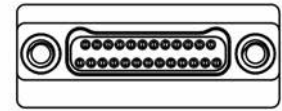
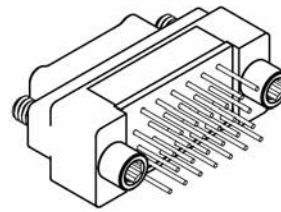
37 POSITION



51 POSITION

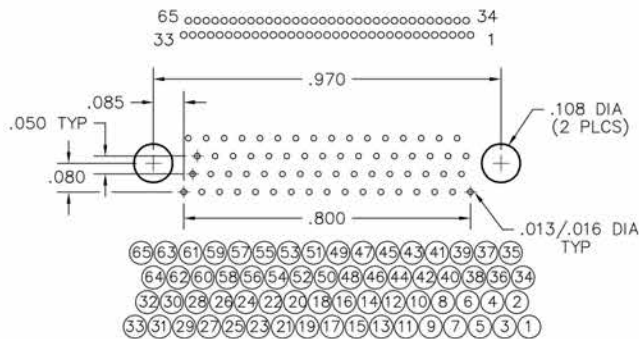


RECOMMENDED PC BOARD LAYOUTS
 VERTICAL PTH PLUG WITH
 TURNING HARDWARE
 FOR REFERENCE ONLY

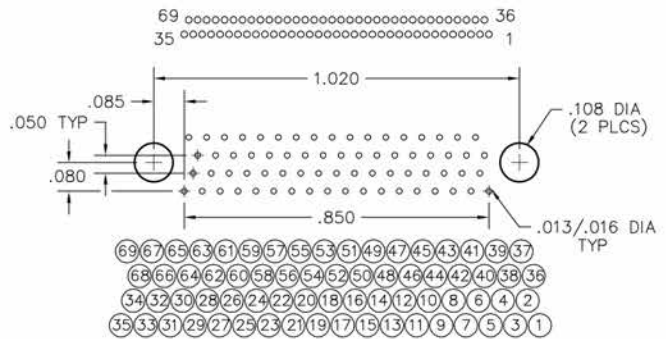


CONNECTOR MATING FACE

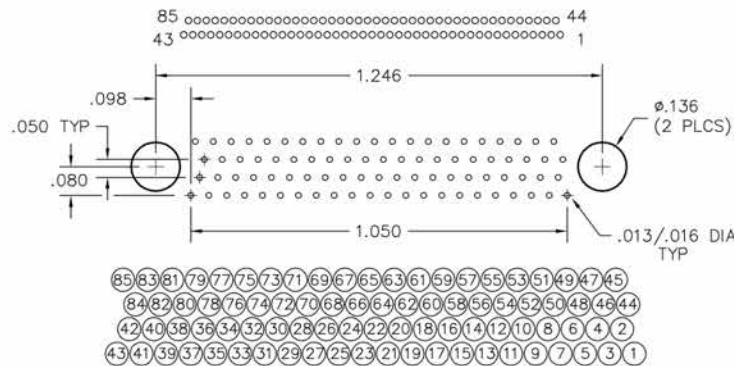
65 POSITION



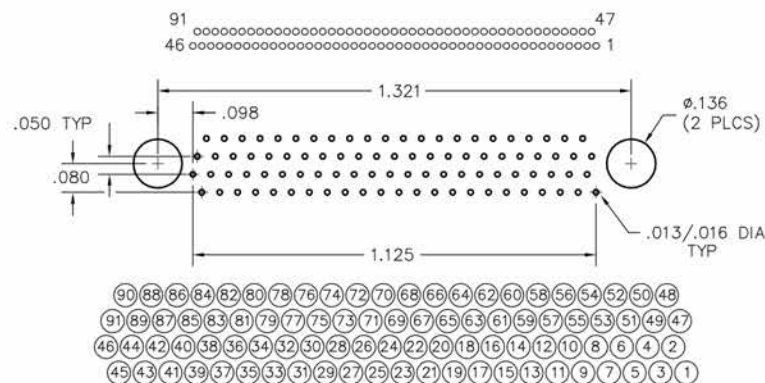
69 POSITION



85 POSITION

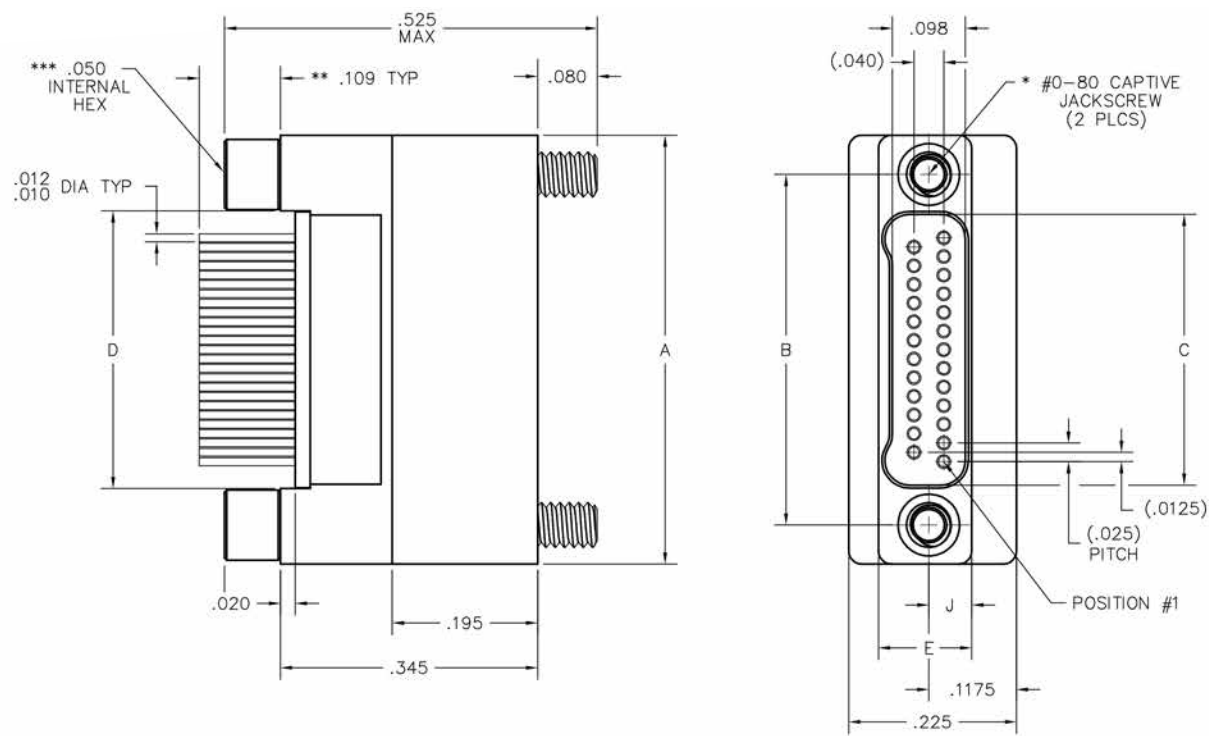
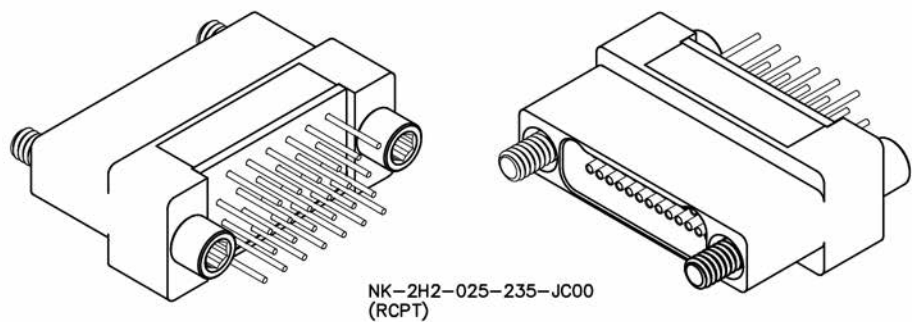


91 POSITION



TWO ROW – VERTICAL PTH RECEPTACLE WITH TURNING HARDWARE

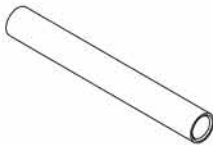
NK
0.025" | 9 THROUGH 91 CONTACTS



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	1.195			



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 & 91 POSITION CONNECTORS.
HEX MEASUREMENT TAKEN ACROSS THE FLATS.

LEAD CONFIGURATION OPTIONS

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 ☒
- 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)

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.

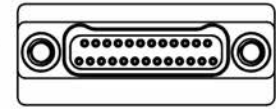
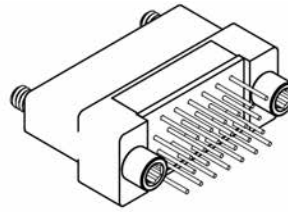
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS

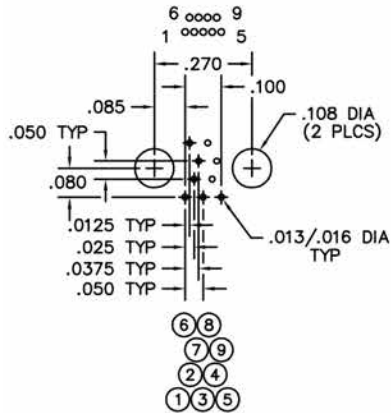
VERTICAL PTH RECEPTACLE WITH
TURNING HARDWARE

FOR REFERENCE ONLY

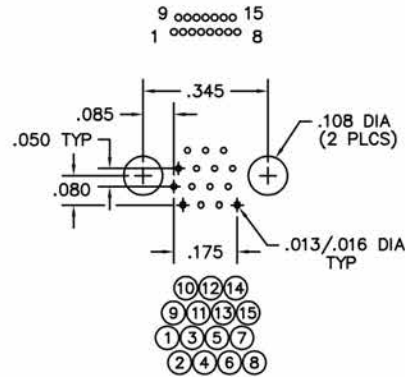


CONNECTOR MATING FACE

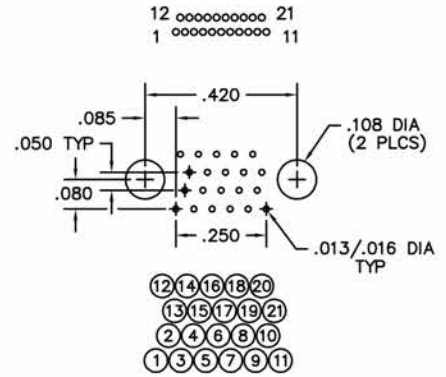
9 POSITION



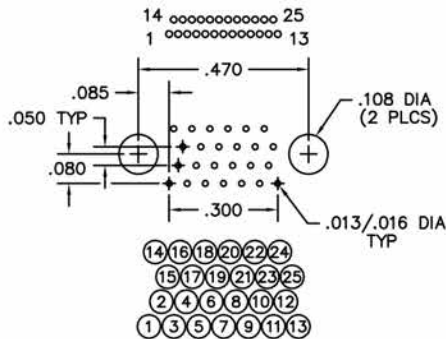
15 POSITION



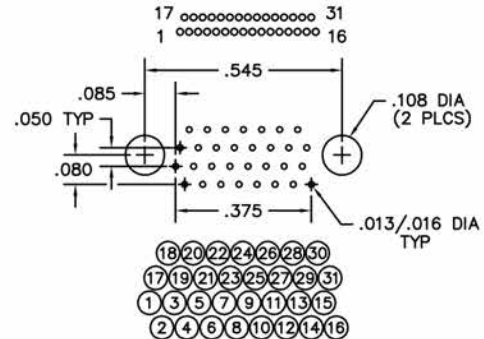
21 POSITION



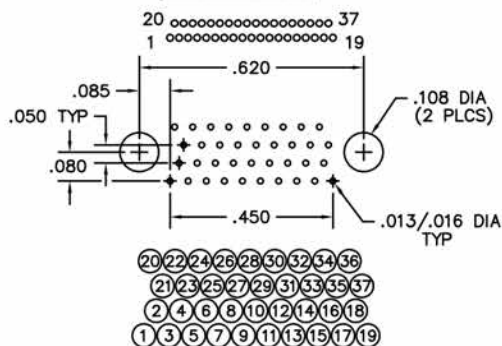
25 POSITION



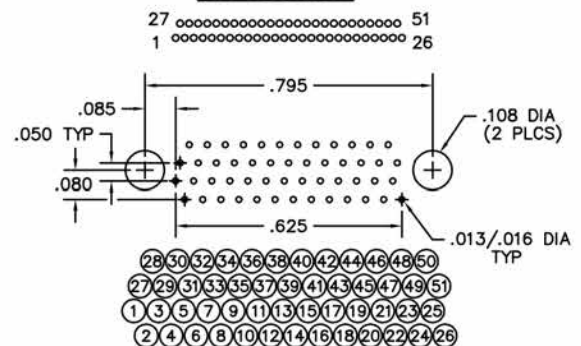
31 POSITION



37 POSITION



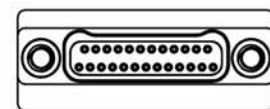
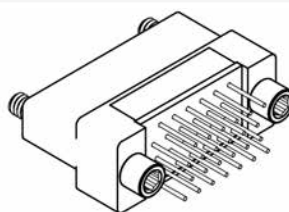
51 POSITION



RECOMMENDED PC BOARD LAYOUTS

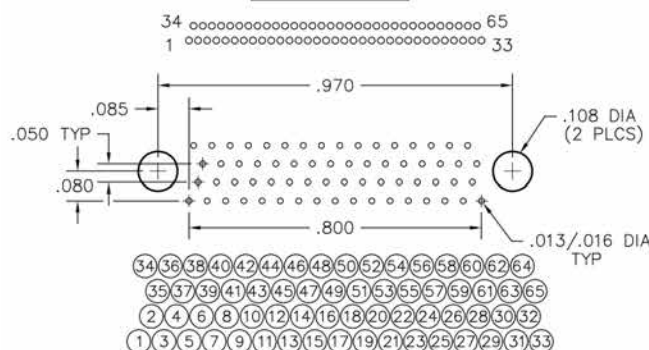
VERTICAL PTH RECEPTACLE WITH
TURNING HARDWARE

FOR REFERENCE ONLY

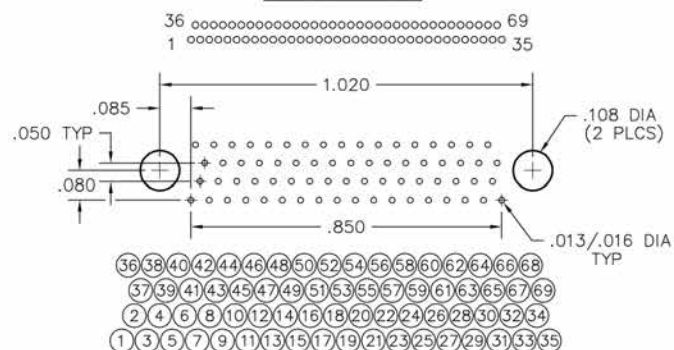


CONNECTOR MATING FACE

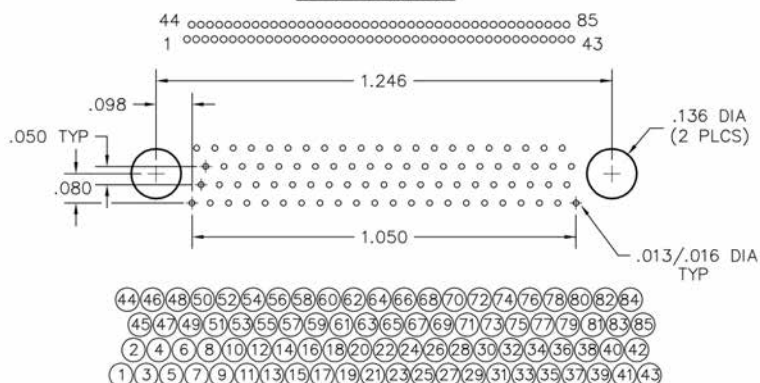
65 POSITION



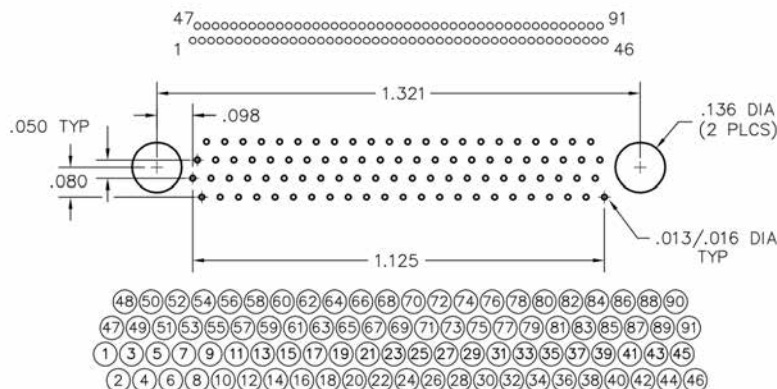
69 POSITION



85 POSITION

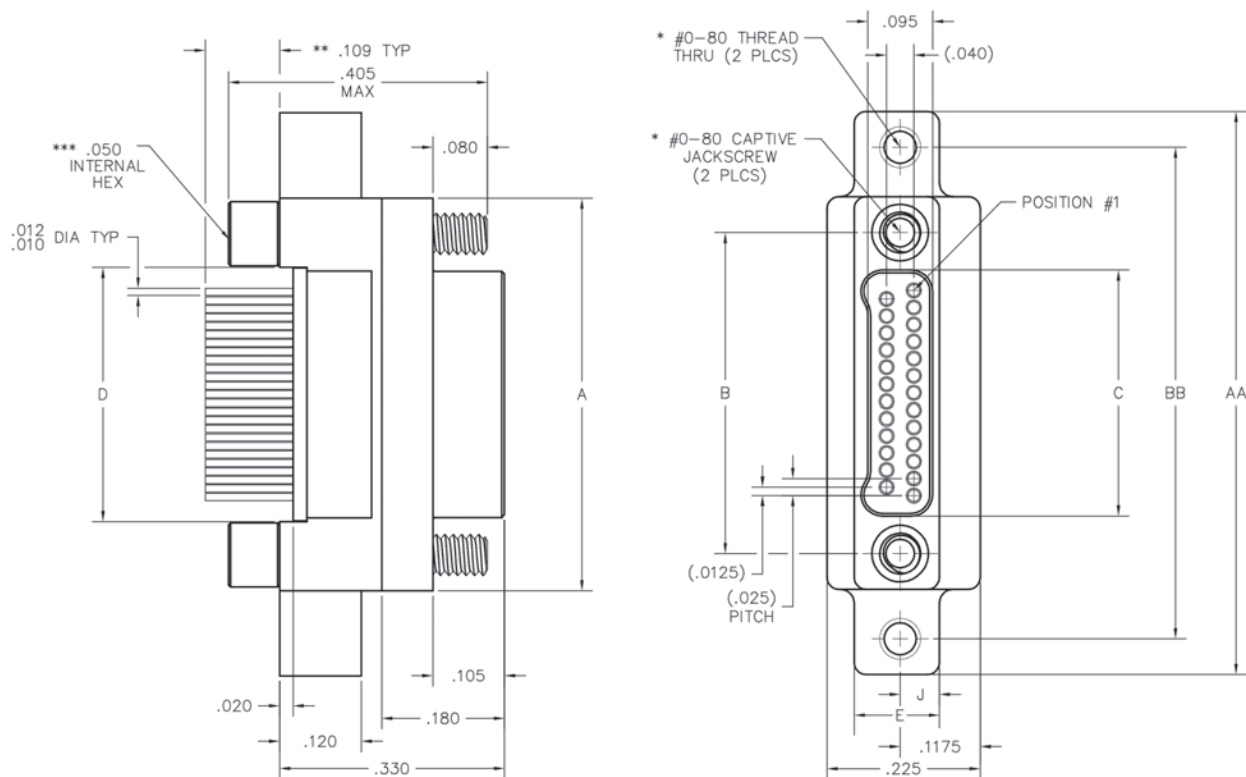
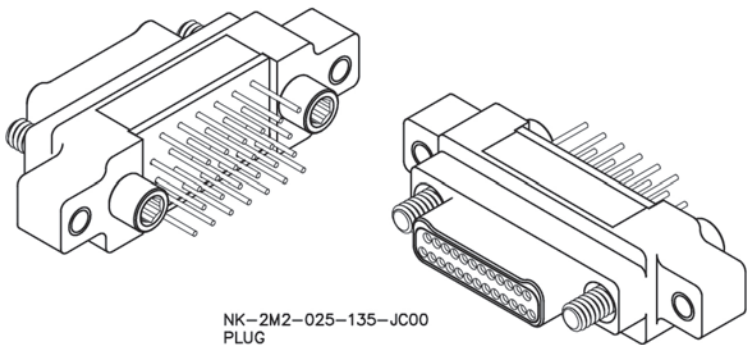


91 POSITION

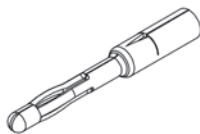


TWO ROW – VERTICAL PTH PLUG WITH TURNING HARDWARE AND MOUNTING EARS

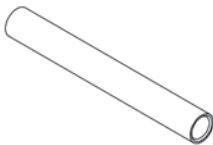
NK
0.025" | 9 THROUGH 91 CONTACTS



DIMENSIONS									
SIZE	A	B	AA	BB	C	D	E	J	*HARDWARE
9	.375	.270	.625	.520	.160	.170	.125	.0575	#0-80 THREAD
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			
91	1.452	1.321	1.754	1.621	1.185	1.195	.150	.070	#2-56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

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

LEAD CONFIGURATION OPTIONS

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 ☒
- 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 91)

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.

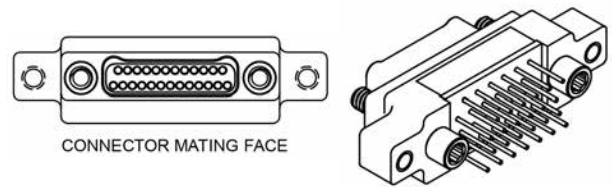
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

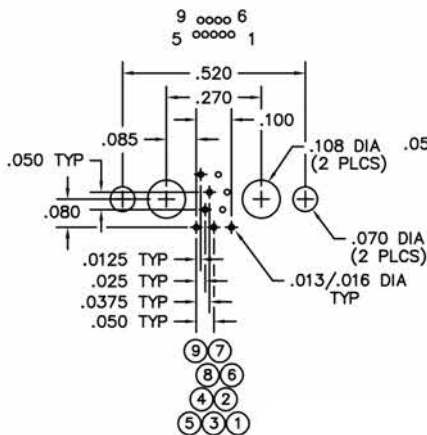
RECOMMENDED PC BOARD LAYOUTS

VERTICAL PTH PLUG WITH TURNING
HARDWARE AND MOUNTING EARS

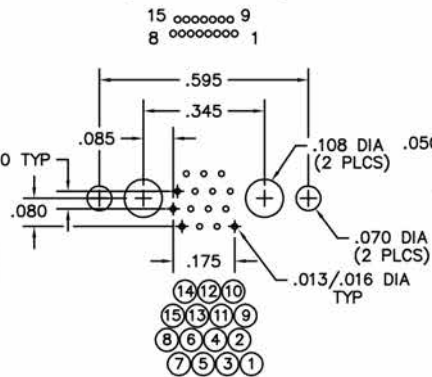
FOR REFERENCE ONLY



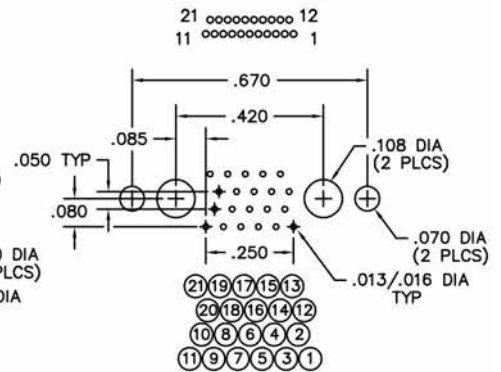
9 POSITION



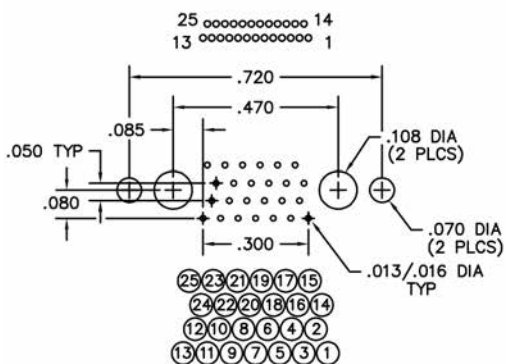
15 POSITION



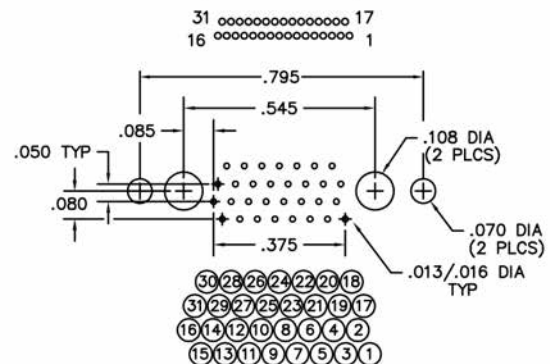
21 POSITION



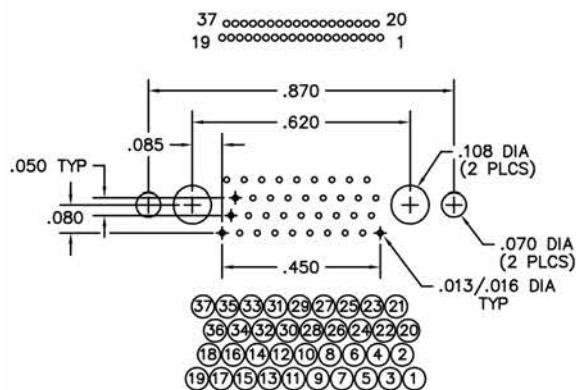
25 POSITION



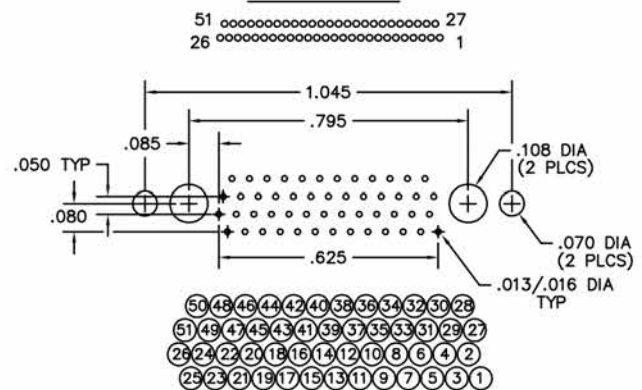
31 POSITION



37 POSITION



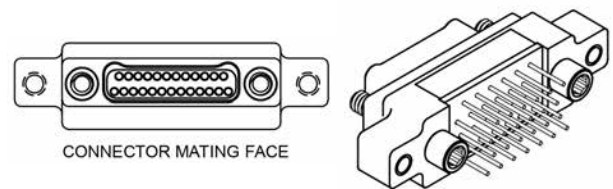
51 POSITION



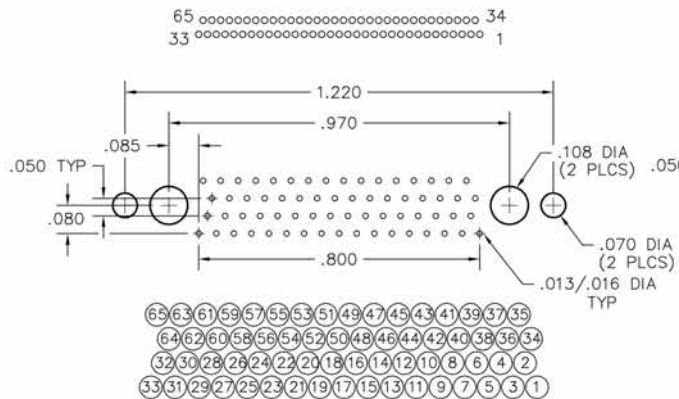
RECOMMENDED PC BOARD LAYOUTS

VERTICAL PTH PLUG WITH TURNING
HARDWARE AND MOUNTING EARS

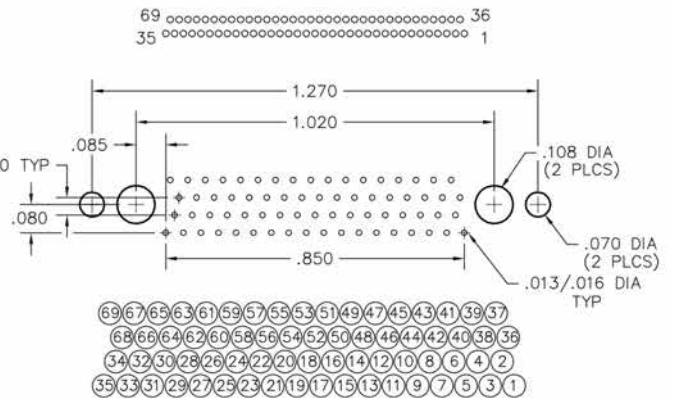
FOR REFERENCE ONLY



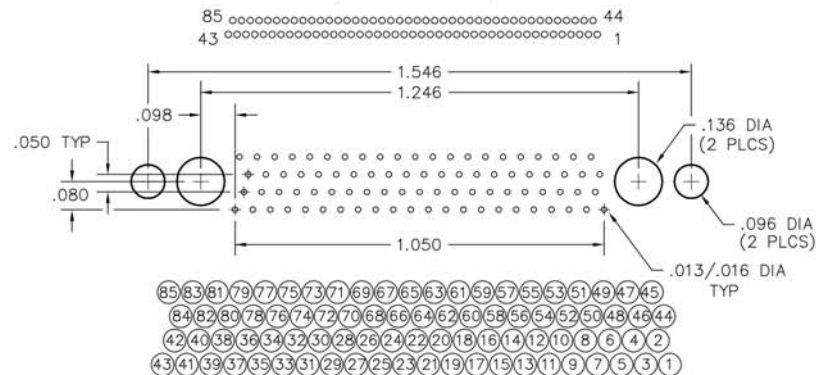
65 POSITION



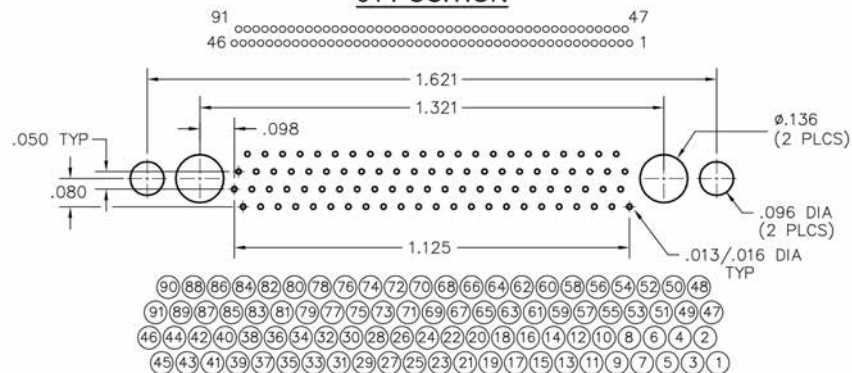
69 POSITION



85 POSITION

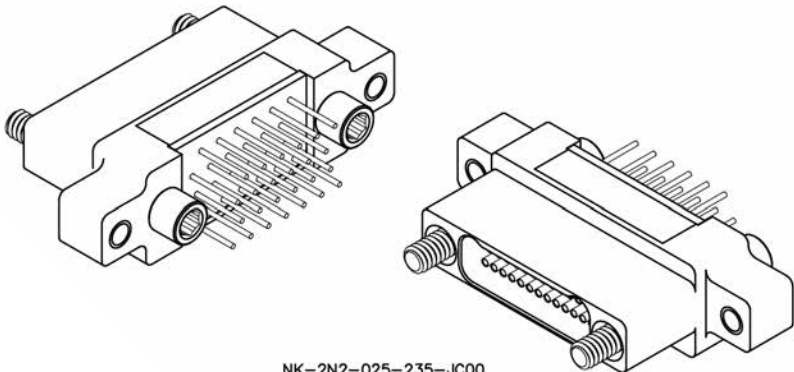


91 POSITION

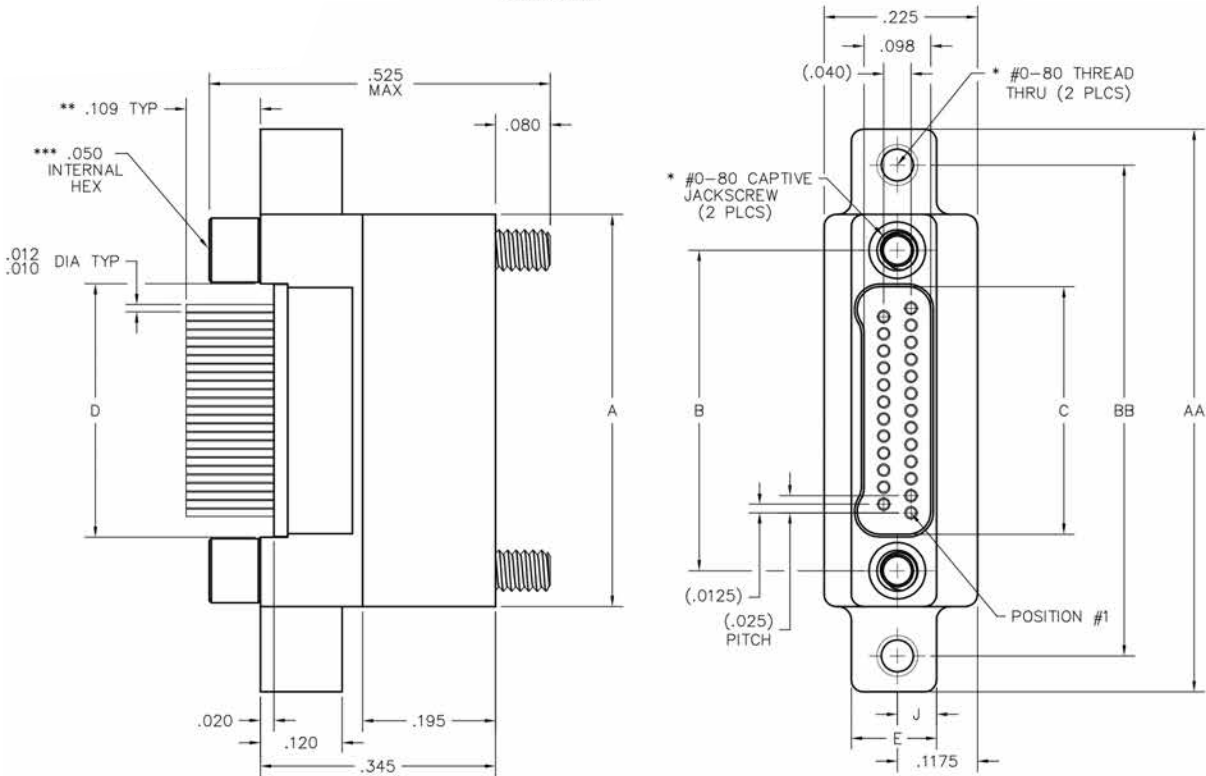


TWO ROW – VERTICAL PTH RECEPTACLE WITH TURNING HARDWARE AND MOUNTING EARS

NK
0.025" | 9 THROUGH 91 CONTACTS



NK-2N2-025-235-JC00
RECEPTACLE



DIMENSIONS									
SIZE	A	B	AA	BB	C	D	E	J	*HARDWARE
9	.375	.270	.625	.520	.163	.170	.125	.0575	#0-80 THREAD
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			
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			
91	1.452	1.321	1.754	1.621	1.188	1.195	.150	.070	#2-56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

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

LEAD CONFIGURATION OPTIONS

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 ☒
- 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)

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

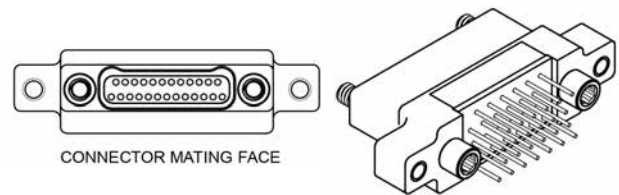
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

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

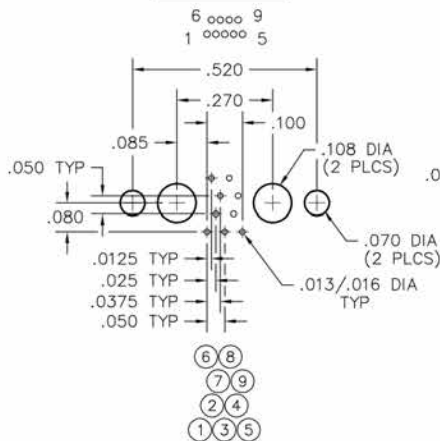
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

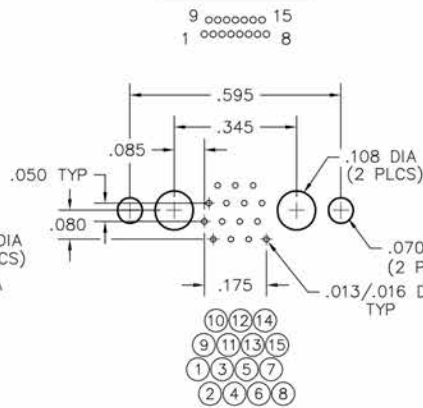
RECOMMENDED PC BOARD LAYOUTS
VERTICAL PTH RECEPTACLE WITH TURNING
HARDWARE AND MOUNTING EARS
FOR REFERENCE ONLY



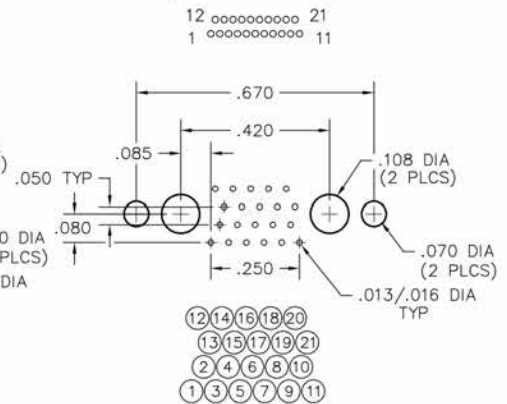
9 POSITION



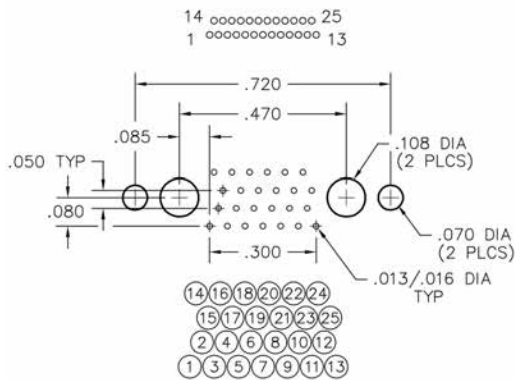
15 POSITION



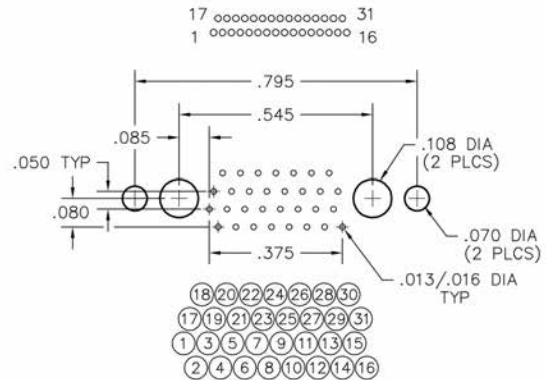
21 POSITION



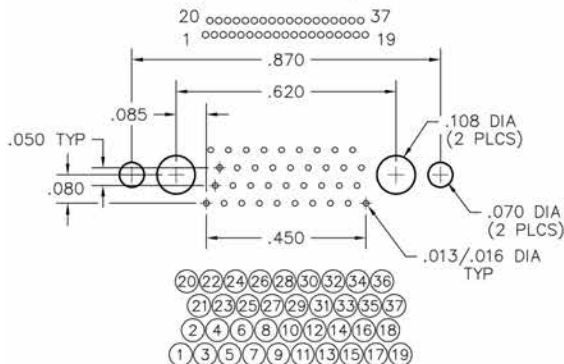
25 POSITION



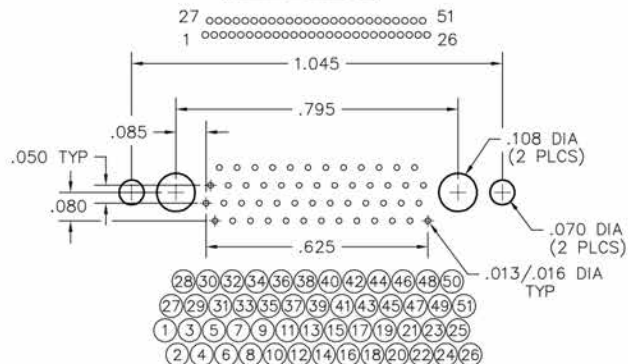
31 POSITION



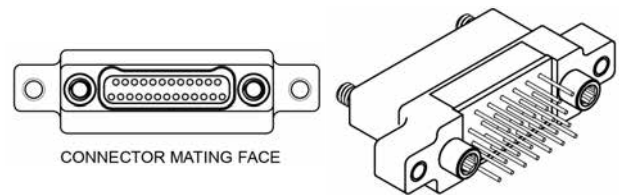
37 POSITION



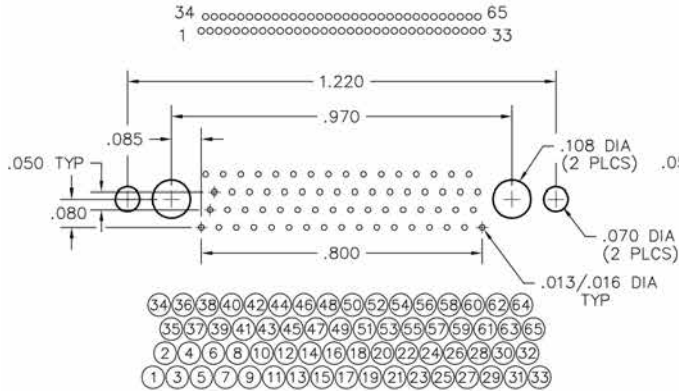
51 POSITION



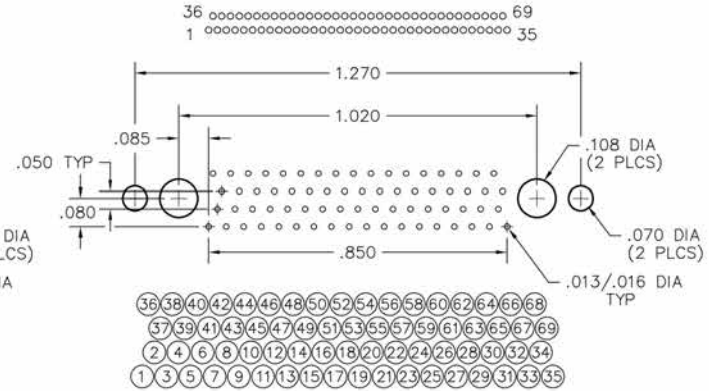
RECOMMENDED PC BOARD LAYOUTS
VERTICAL PTH RECEPTACLE WITH TURNING
HARDWARE AND MOUNTING EARS
FOR REFERENCE ONLY



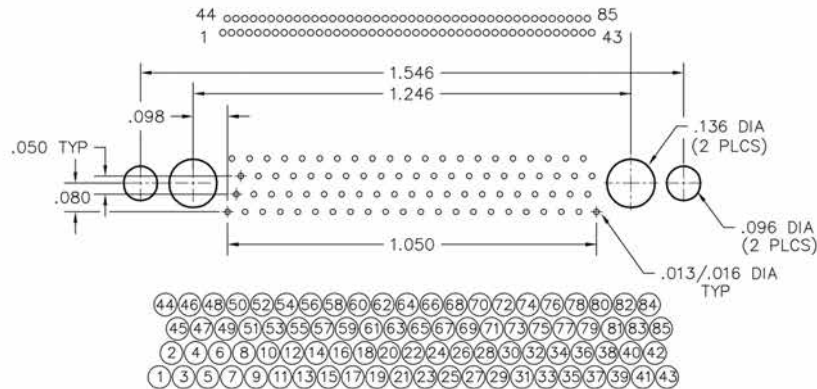
65 POSITION



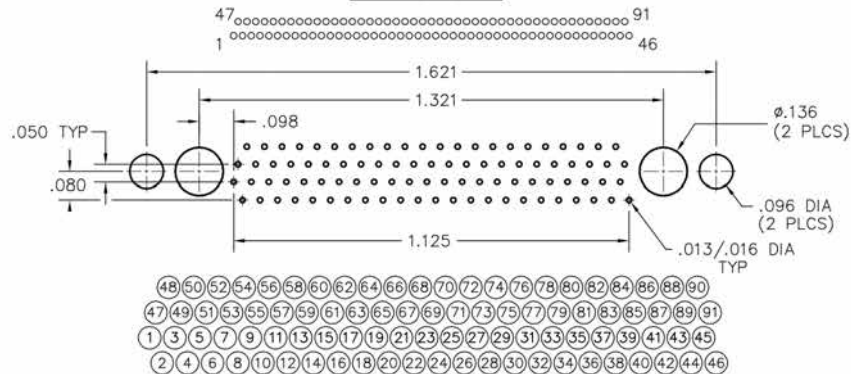
69 POSITION



85 POSITION



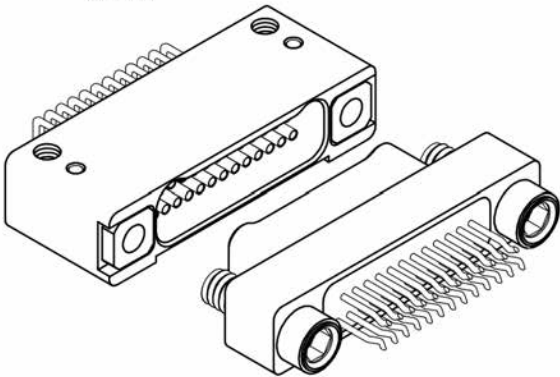
91 POSITION



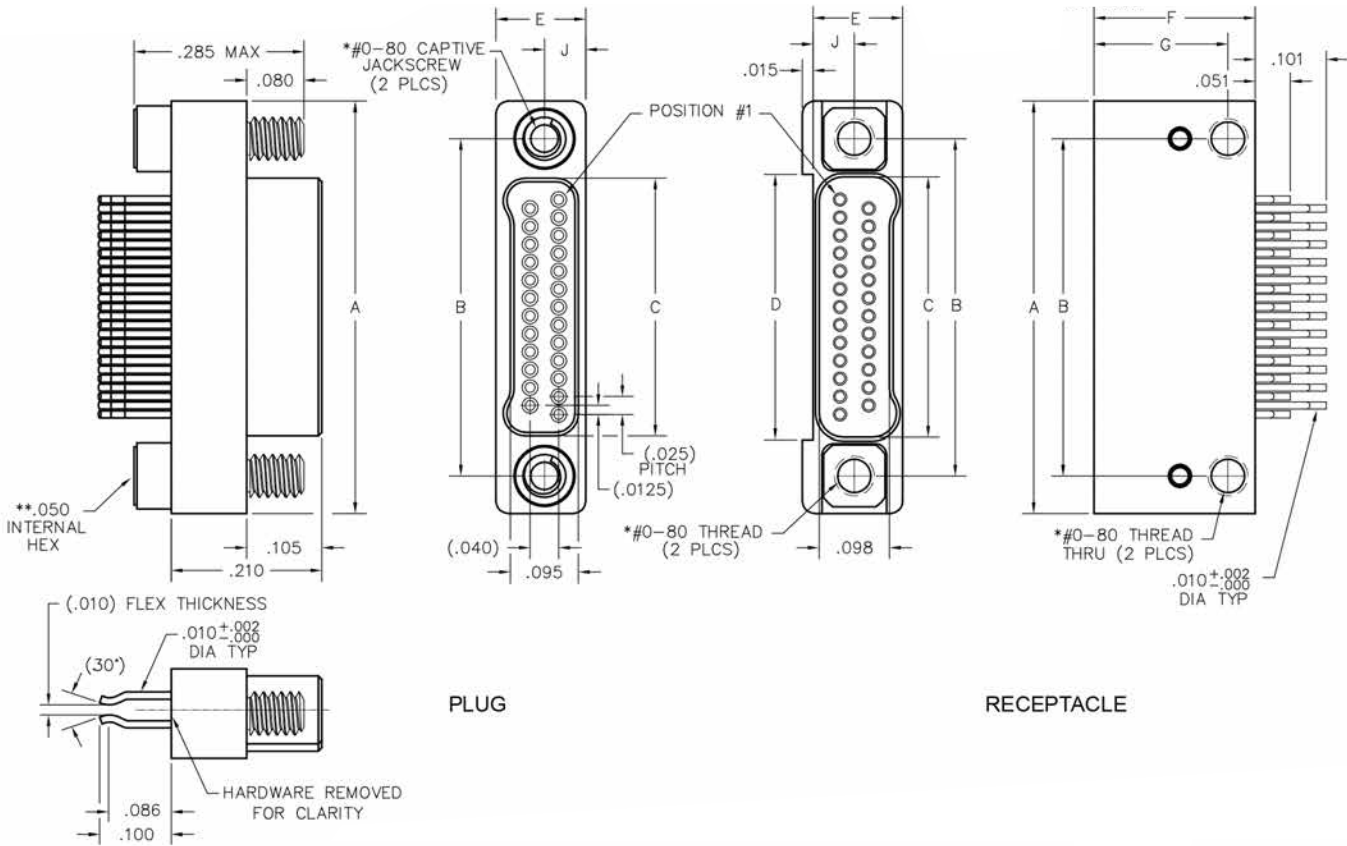
TWO ROW – FLEX TO BOARD

NM & NK
0.025" | 9 THROUGH 91 CONTACTS

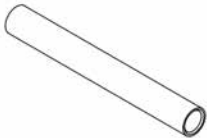
NK-2D2-025-225-TH00
(METAL)



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



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, 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	.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
91	1.452	1.321	1.185	1.188	1.195					

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

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1	Plug, straight	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 <input checked="" type="checkbox"/>	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell
5	Liquid Crystal Polymer w/ titanium 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 91)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
12	Pin, straddle SMT	22	Socket, SMT
PLATING OPTIONS:		PLATING OPTIONS:	
5	50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>	5	50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>
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, 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.

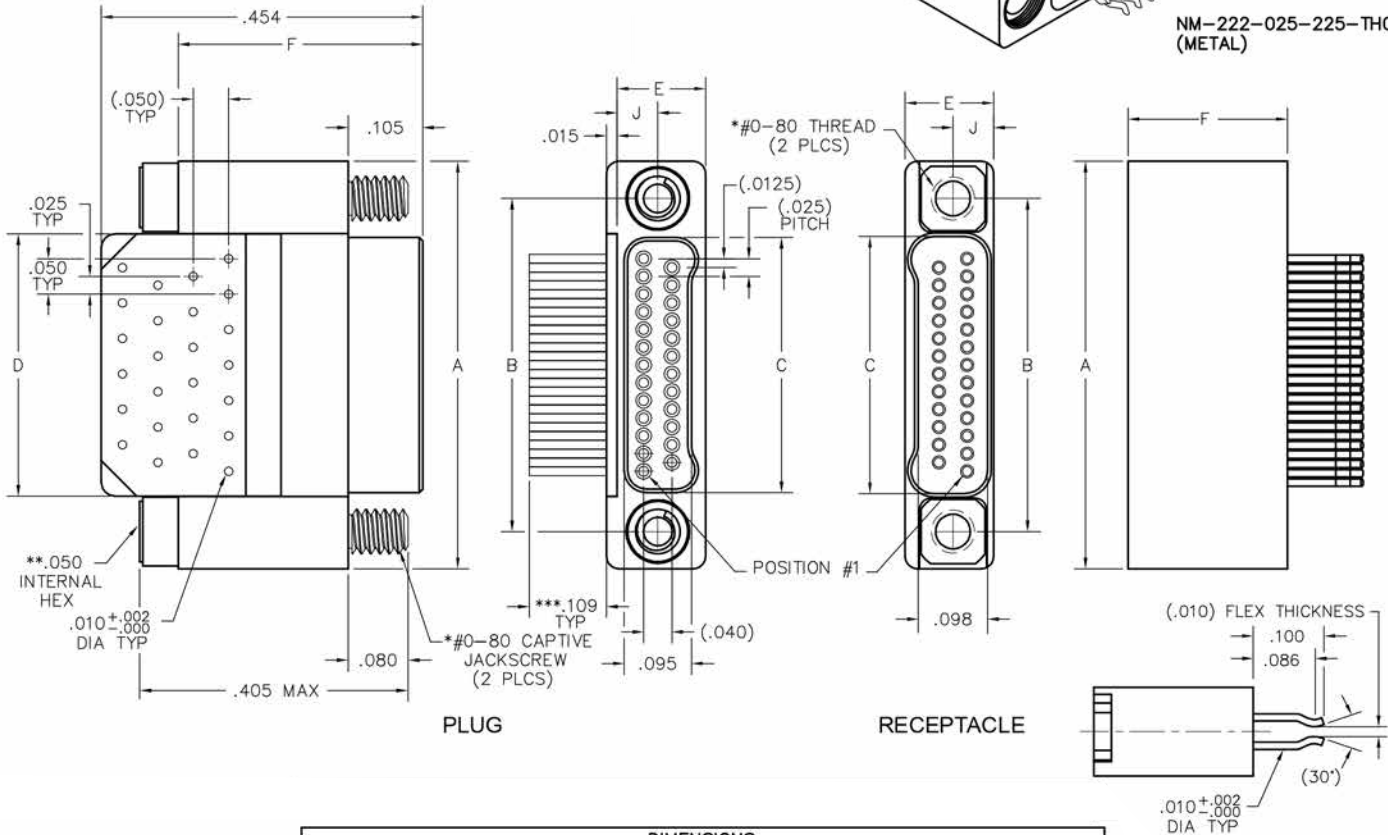
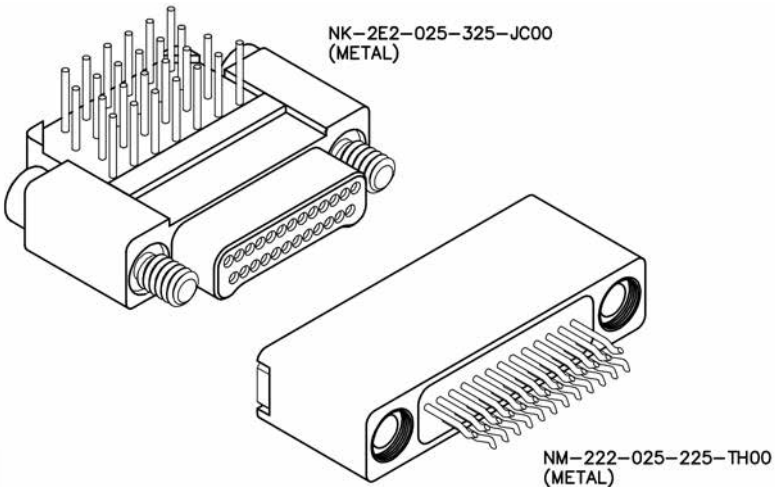
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

** = 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

TWO ROW – FLEX-TO-BOARD

NM & NK
0.025" | 9 THROUGH 91 CONTACTS



DIMENSIONS									
SIZE	A	B	C		D	E	F		*HARDWARE
			PLUG	RCPT			PLUG	RCPT	
9	.375	.270	.160	.163	.170	.125	.330	.225	#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				
91	1.452	1.321	1.185	1.188	1.195	.150		.0700	#2-56 THREAD

PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SOCKET CONTACT
DRAWN TUBE, CRIMP

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

LEAD CONFIGURATION OPTIONS

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: E Plug, right angle, 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 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> 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: 32 Pin, right angle, .109" 33 Pin, right angle, .140" 34 Pin, right angle, .172"		TYPE CONTACTS/TERMINATIONS: 22 Socket, straddle SMT	
PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/> 8 50 u" Au contacts; Tin plated terminations		PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/> 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, 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.

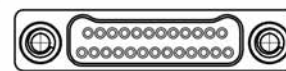
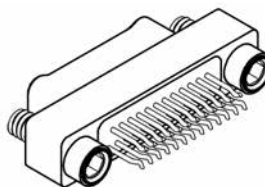
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

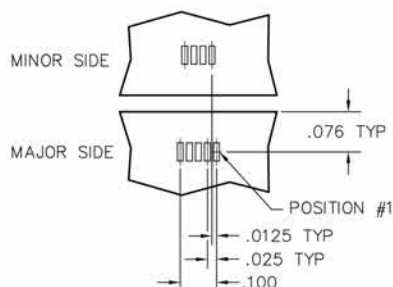
RECOMMENDED FLEX CIRCUIT LAYOUT
STRADDLE MOUNT FLEX PLUG
 FOR REFERENCE ONLY



CONNECTOR MATING FACE

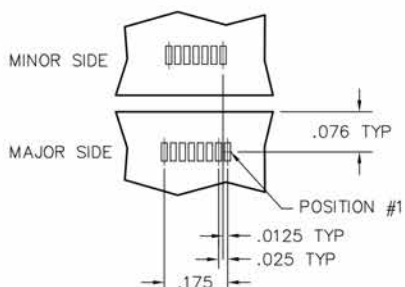
9 POSITION

9 0000 6
5 0000 1



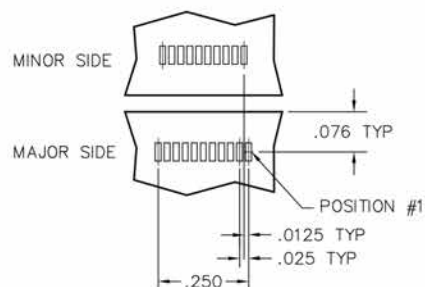
15 POSITION

15 000000 9
8 0000000 1



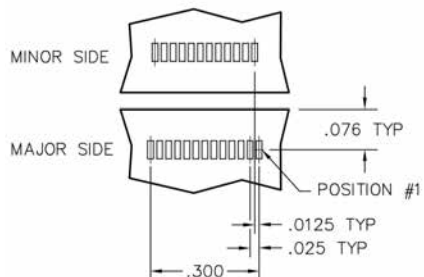
21 POSITION

21 00000000 12
11 000000000 1



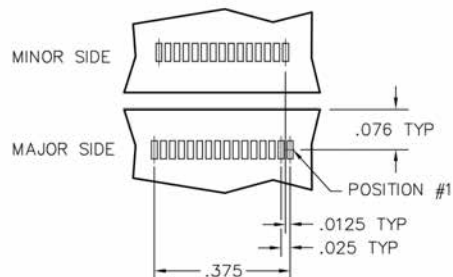
25 POSITION

25 000000000000 14
13 0000000000000 1



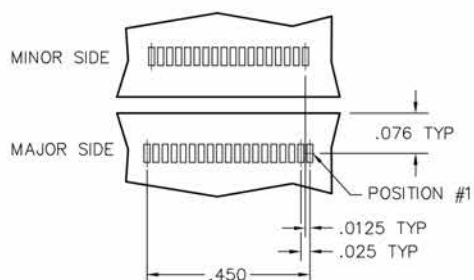
31 POSITION

31 00000000000000 17
16 000000000000000 1



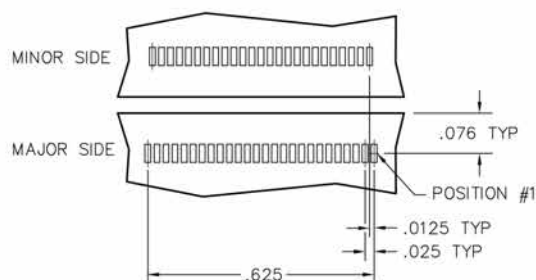
37 POSITION

37 0000000000000000 20
19 00000000000000000 1

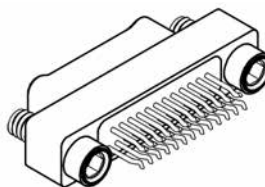
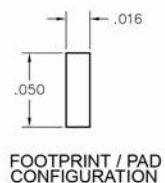


51 POSITION

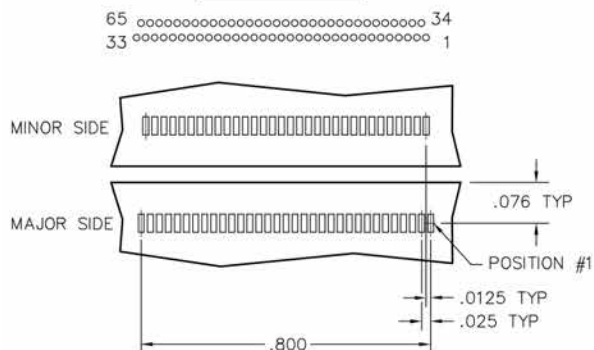
51 00000000000000000000 27
26 000000000000000000000 1



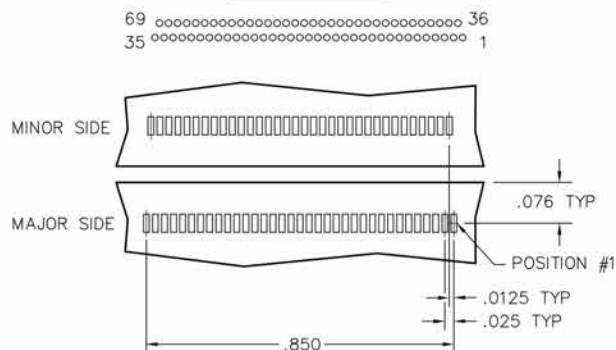
RECOMMENDED FLEX CIRCUIT LAYOUT
STRADDLE MOUNT FLEX PLUG
 FOR REFERENCE ONLY



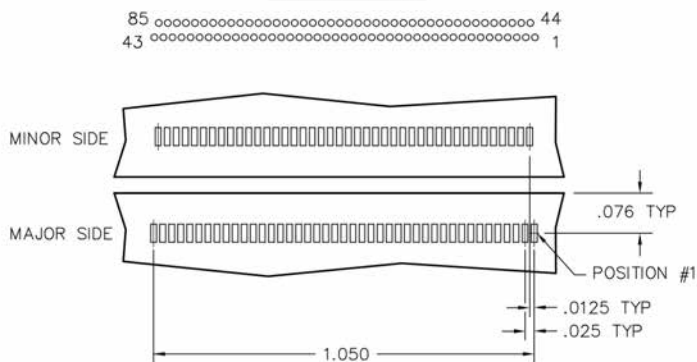
65 POSITION



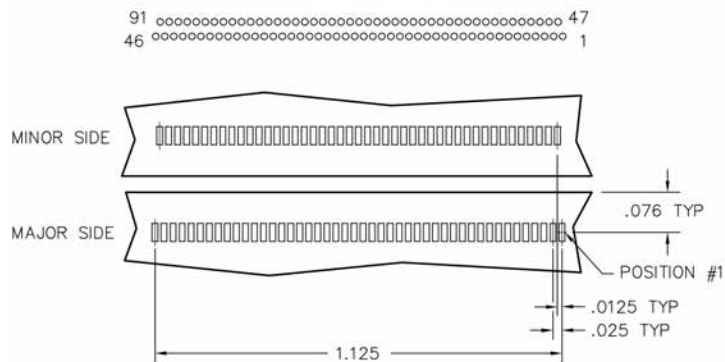
69 POSITION



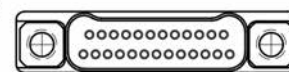
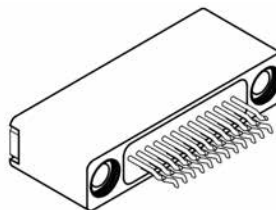
85 POSITION



91 POSITION



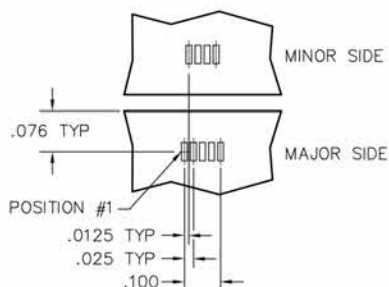
RECOMMENDED FLEX CIRCUIT LAYOUT
STRADDLE MOUNT FLEX RECEPTACLE
 FOR REFERENCE ONLY



CONNECTOR MATING FACE

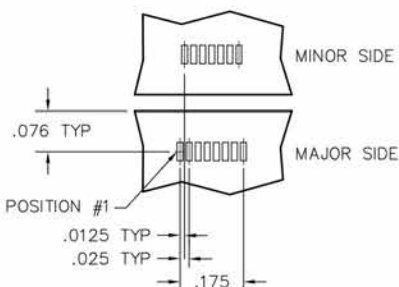
9 POSITION

6 0000 9
1 00000 5



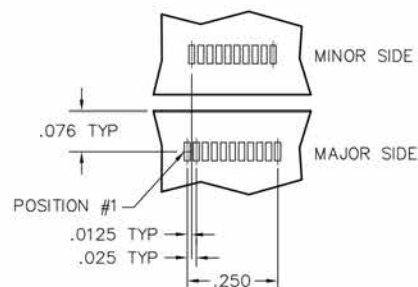
15 POSITION

9 000000 15
1 0000000 8



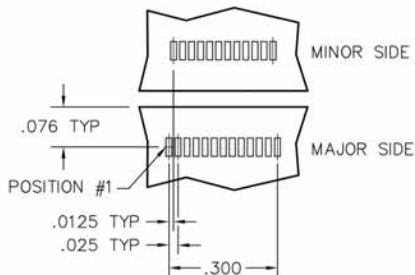
21 POSITION

12 000000000 21
1 0000000000 11



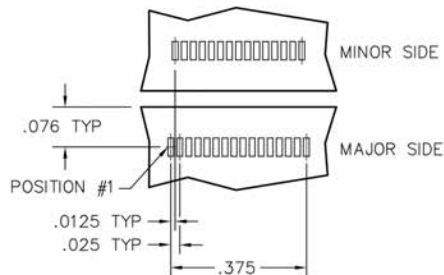
25 POSITION

14 000000000000 25
1 0000000000000 13



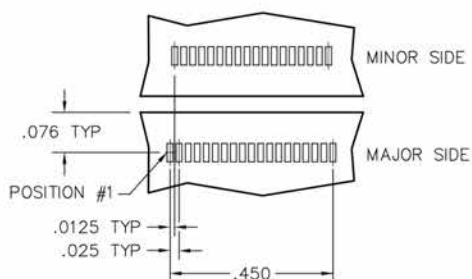
31 POSITION

17 00000000000000 31
1 000000000000000 16



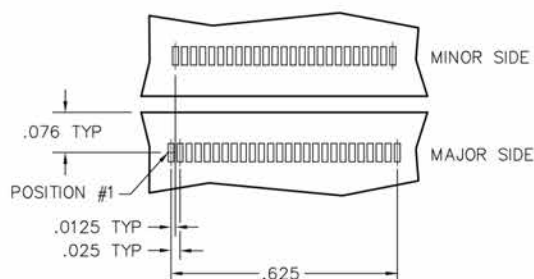
37 POSITION

20 0000000000000000 37
1 00000000000000000 19

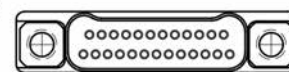
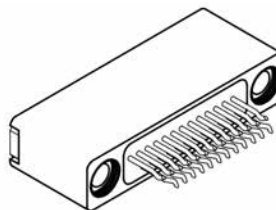


51 POSITION

27 00000000000000000000 51
1 000000000000000000000 26

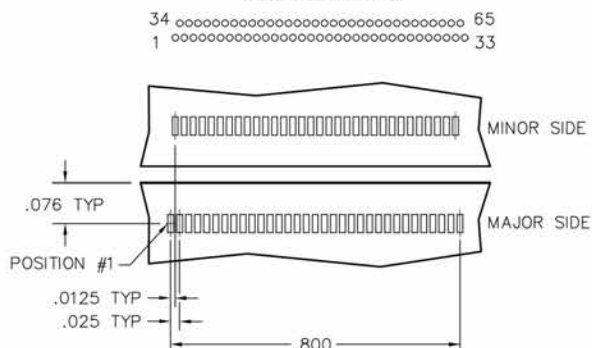


RECOMMENDED FLEX CIRCUIT LAYOUT
STRADDLE MOUNT FLEX RECEPTACLE
 FOR REFERENCE ONLY

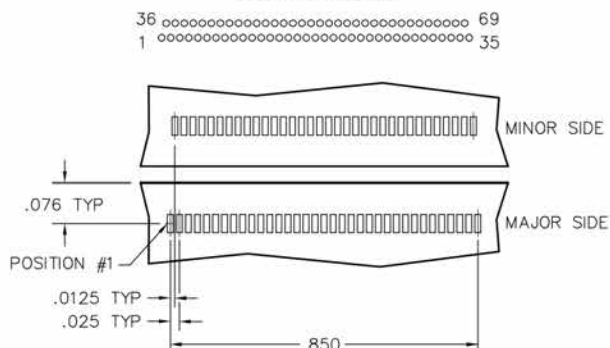


CONNECTOR MATING FACE

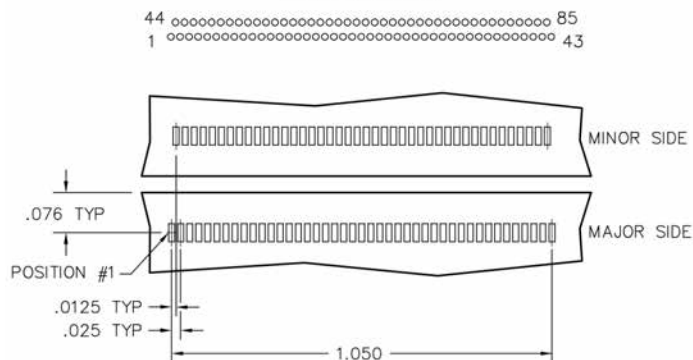
65 POSITION



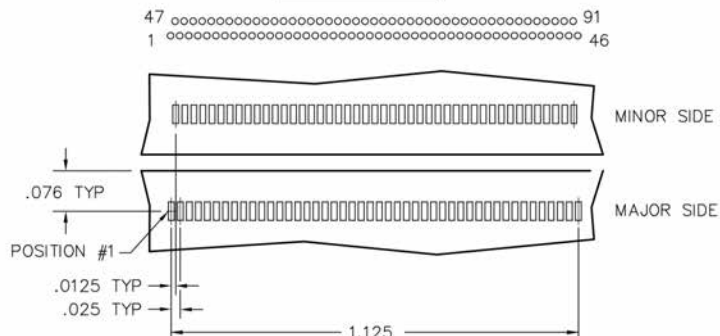
69 POSITION



85 POSITION

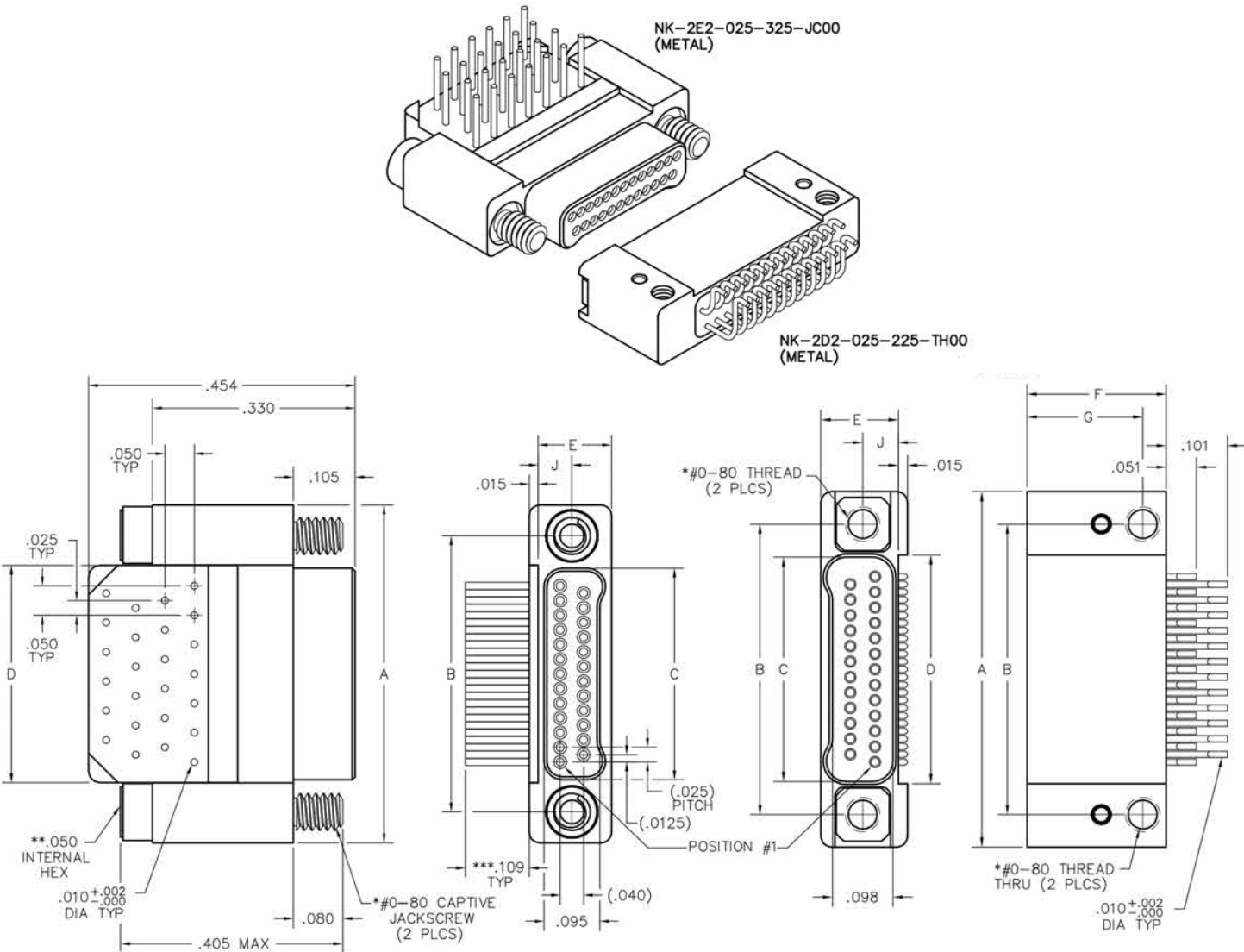


91 POSITION



TWO ROW – FLEX-TO-BOARD

NK & NK
0.025" | 9 THROUGH 91 CONTACTS



LEAD CONFIGURATION OPTIONS

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 <input checked="" type="checkbox"/>		3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	
4 Liquid Crystal Polymer w/ stainless steel shell		4 Liquid Crystal Polymer w/ stainless steel shell	
5 Liquid Crystal Polymer w/ titanium shell		5 Liquid Crystal Polymer w/ titanium shell	
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 91)		XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 91)	
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 <input checked="" type="checkbox"/>		5 50 u" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/>	
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 & 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.

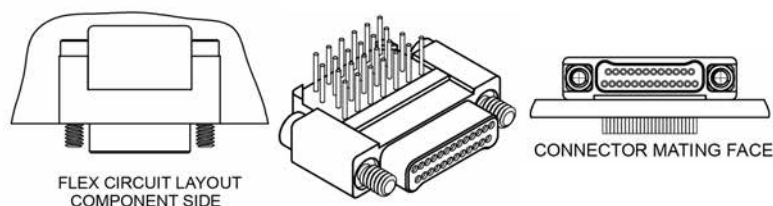
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

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

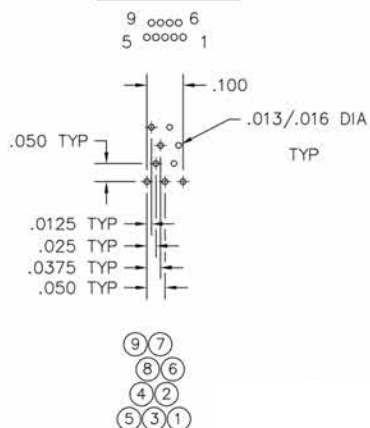
** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

☒ = Option not RoHS compliant

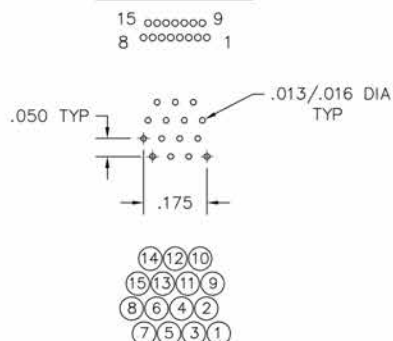
RECOMMENDED FLEX CIRCUIT LAYOUTS
RIGHT-ANGLE FLEX MOUNT PTH PLUG
 FOR REFERENCE ONLY



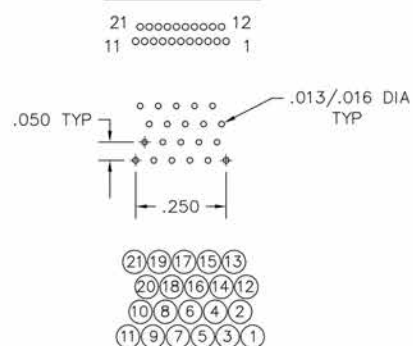
9 POSITION



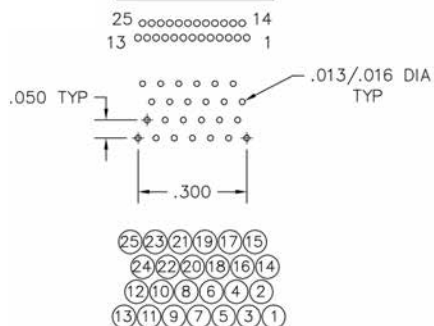
15 POSITION



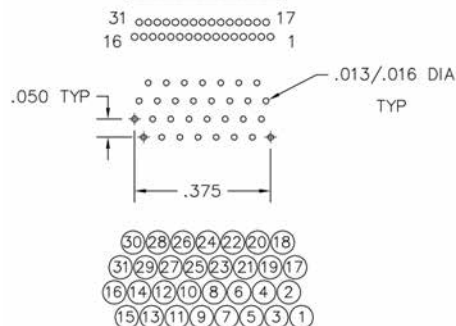
21 POSITION



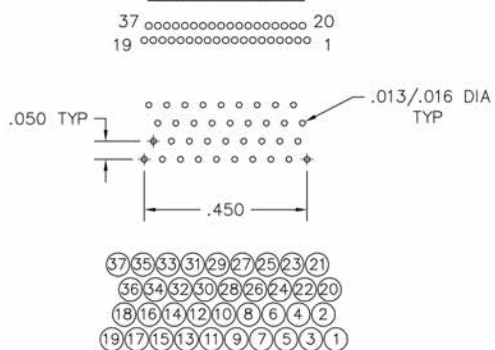
25 POSITION



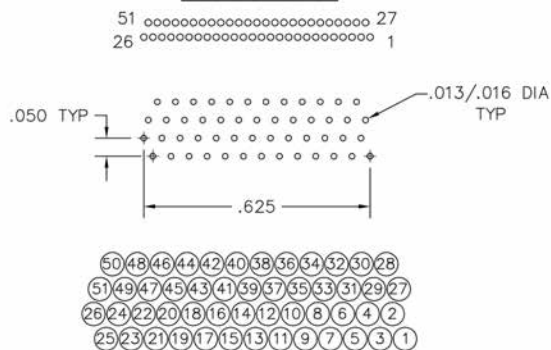
31 POSITION



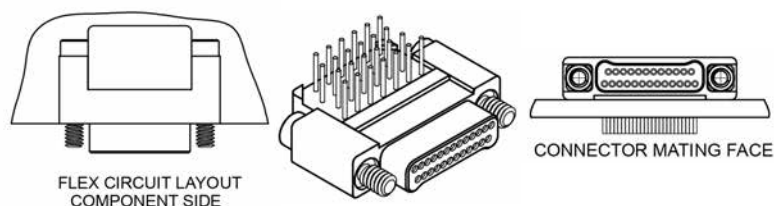
37 POSITION



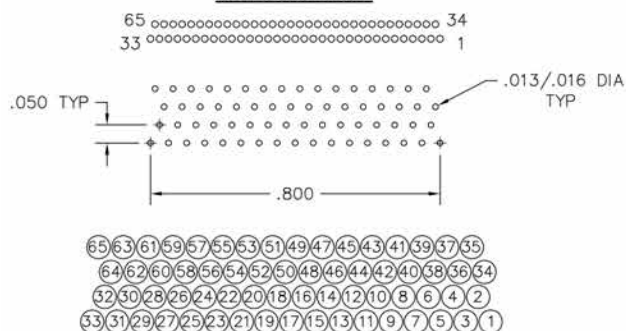
51 POSITION



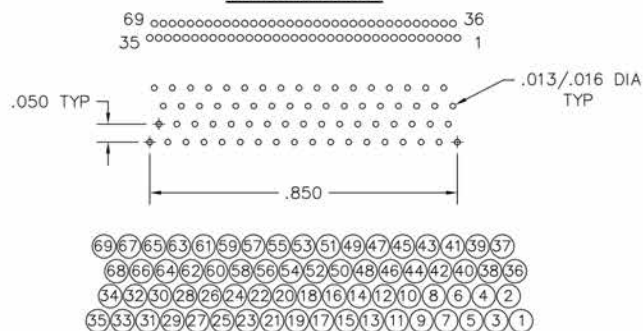
RECOMMENDED FLEX CIRCUIT LAYOUTS
RIGHT-ANGLE FLEX MOUNT PTH PLUG
FOR REFERENCE ONLY



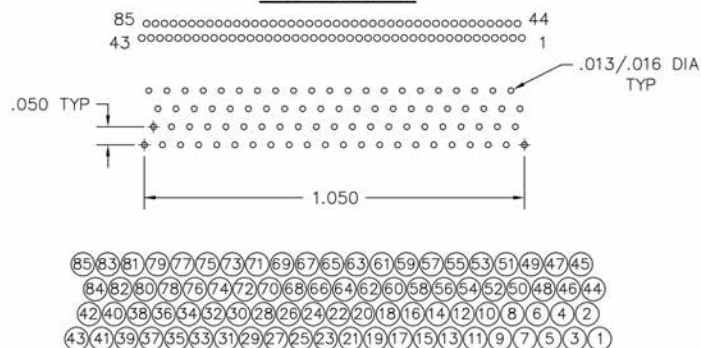
65 POSITION



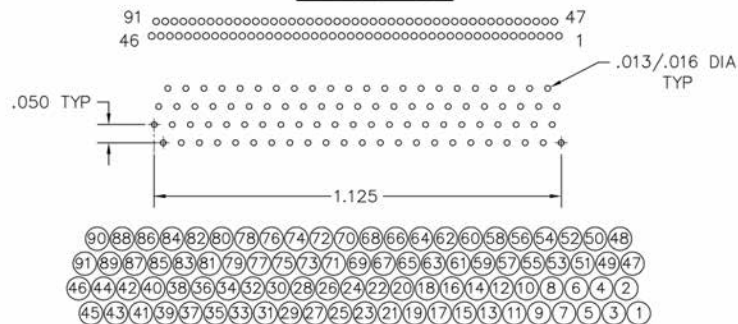
69 POSITION



85 POSITION

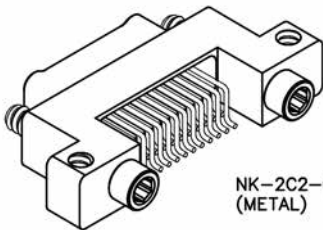


91 POSITION

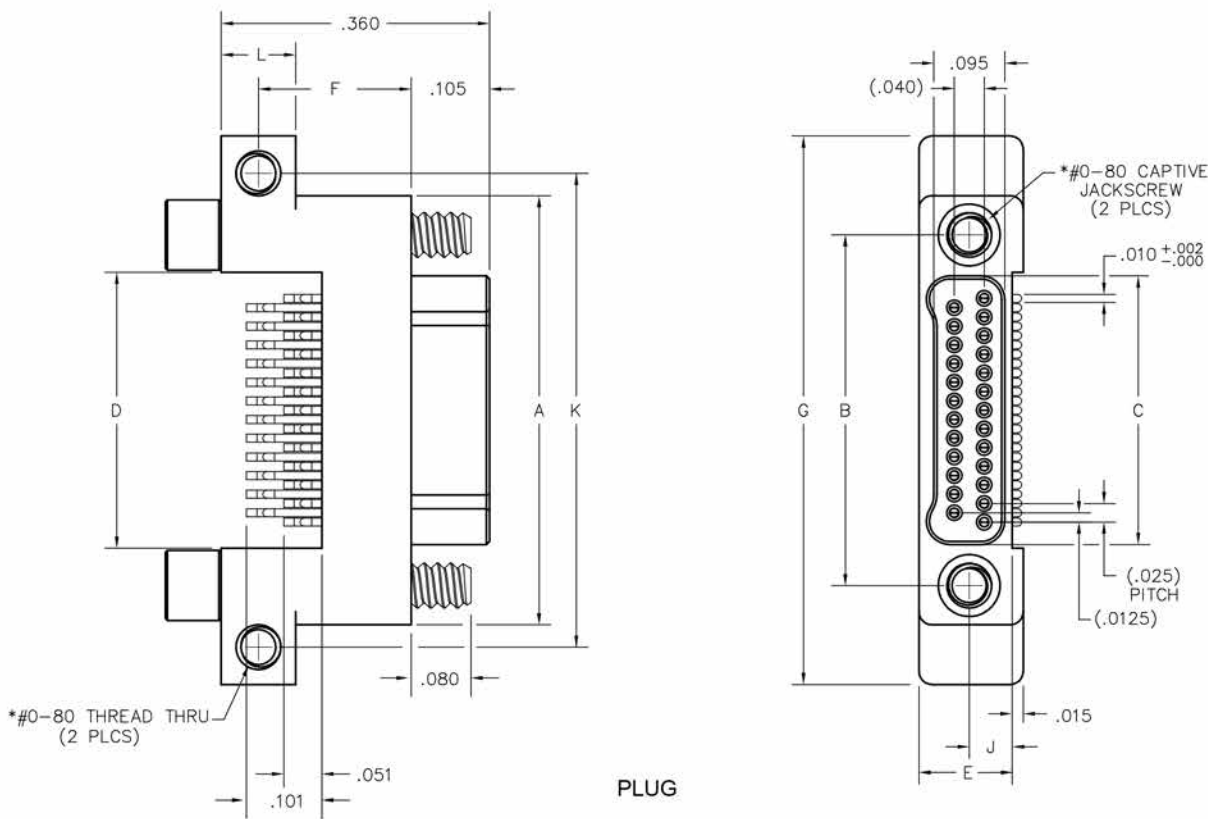


TWO ROW – HORIZONTAL SMT PLUG WITH JACKSCREWS

NK
0.025" | 9 THROUGH 91 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	.150	.192	1.285	.0700	1.185	.126	#2-56 THREAD
85	1.377	1.246	1.110	1.120			1.590		1.463		
91	1.452	1.321	1.185	1.195			1.665		1.538		

LEAD CONFIGURATION OPTIONS

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 ☒
- 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)

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 & 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

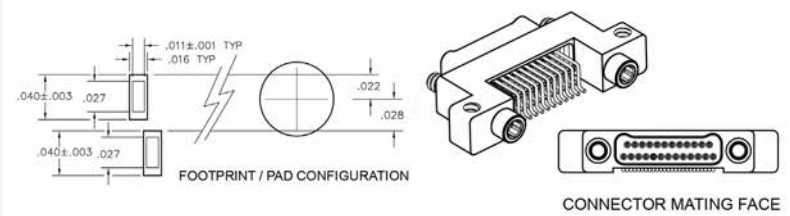
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.

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

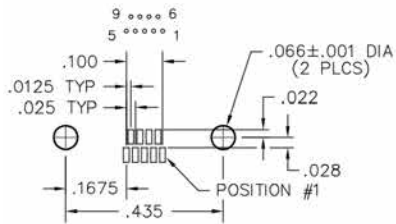
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

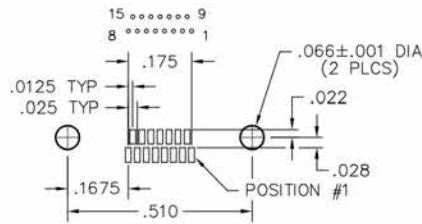
RECOMMENDED PC BOARD LAYOUTS
HORIZONTAL SMT PLUG
 FOR REFERENCE ONLY



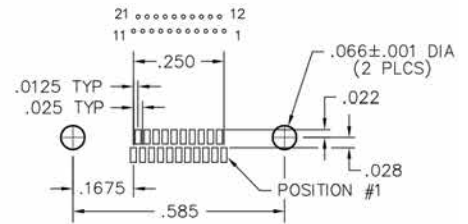
9 POSITION



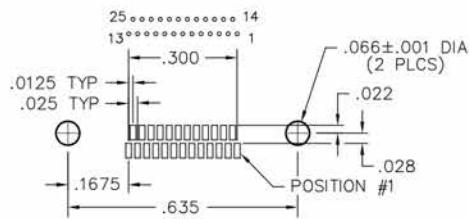
15 POSITION



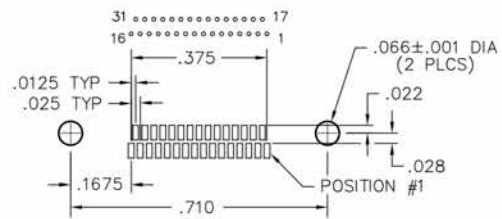
21 POSITION



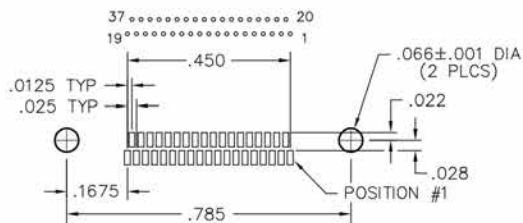
25 POSITION



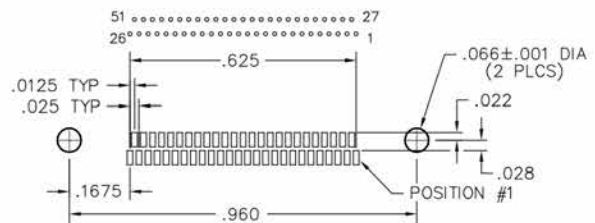
31 POSITION



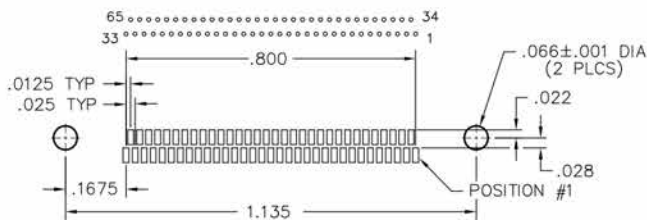
37 POSITION



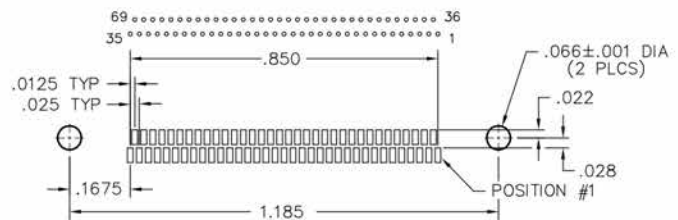
51 POSITION



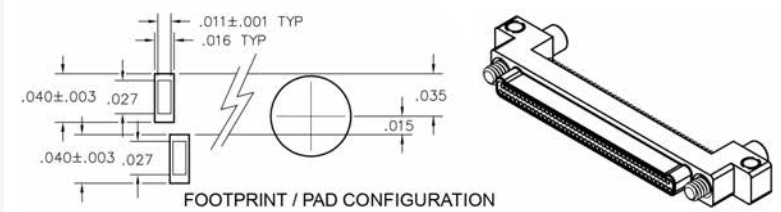
65 POSITION



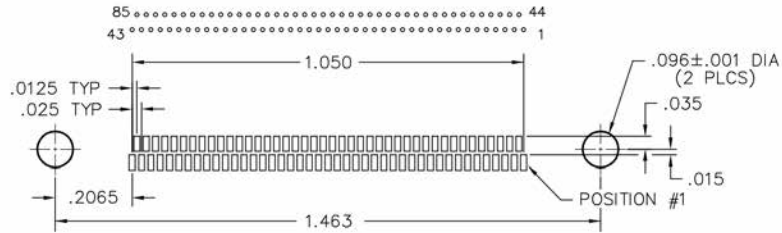
69 POSITION



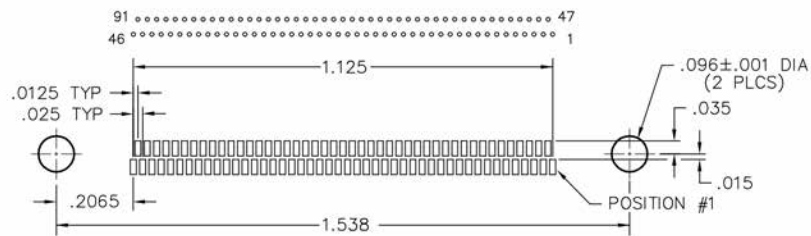
RECOMMENDED PC BOARD LAYOUTS
HORIZONTAL SMT PLUG
 FOR REFERENCE ONLY



85 POSITION

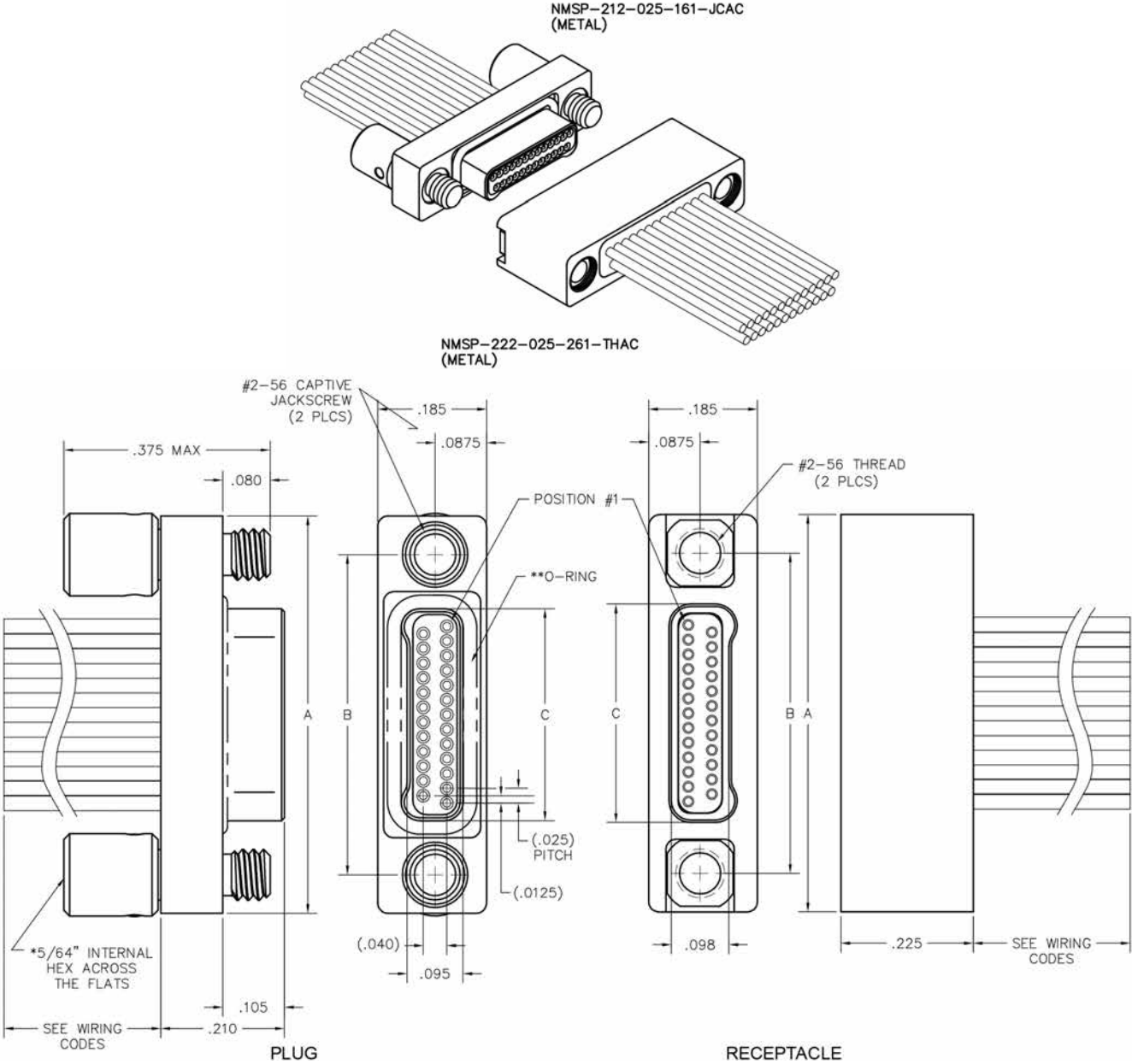


91 POSITION



TWO ROW – SPLASHPROOF CABLE-TO-CABLE

NMSP & NMSP
0.025" | 9 THROUGH 91 CONTACTS



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	
91	1.500	1.369	1.185	1.188	



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

LEAD CONFIGURATION OPTIONS

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:		BODY STYLE:	
1	Plug, straight, with fluorosilicone o-ring	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 <input checked="" type="checkbox"/>	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell
5	Liquid Crystal Polymer w/ titanium 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, 91)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
JC	Turning jackscrews, captivated #2-56 UNF*	JC	Turning jackscrews, captivated #2-56 UNF*
TH	Threaded hole, #2-56 UNF **	TH	Threaded hole, #2-56 UNF **
WIRING OPTIONS:		WIRING OPTIONS:	
XX	See wiring codes, Page N-151	XX	See wiring codes, Page N-151

* = 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.

** = 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

SPECIFICATIONS – REAR PANEL MOUNT MATERIALS AND FINISHES*

CONTACTS:	Sockets: BeCu per ASTM-B-194 or NiAg per ASTM-B-122
EMBEDMENT:	Insulating compound per MIL-I-16923
CONTACT FINISHES:	Gold plate per ASTM B 488, SAE AMS 2422
MOLDED INSULATORS:	Glass filled liquid crystal polymer (LCP) per ASTM D5138 or MIL-M-24519
SHELLS:	303 Stainless Steel per ASTM A581/A581M or ASTM A582/A582M passivated per SAE AMS-2700
HARDWARE:	Corrosion resistant steel per ASTM A581/A581M or ASTM A582/A582M or ASTM A320 passivated per SAE AMS-2700
O-RINGS	Fluorosilicone elastomer per SAE AMS-R-25988 Or Ag/Ai filled fluorosilicone elastomer per MIL-DTL-83528, type D
TOLERANCES:** (Unless otherwise specified)	Angles: $\pm 2^{\circ}$ Decimals: .XXX = $\pm 0.005''$.XXXX = $\pm 0.0050''$

NOTES

Molex can manufacture special configurations for your exact specifications.
* = Reference the above listed specifications or an equivalent industry standard when applicable

PERFORMANCE - REAR PANEL MOUNT REFERENCE M32139

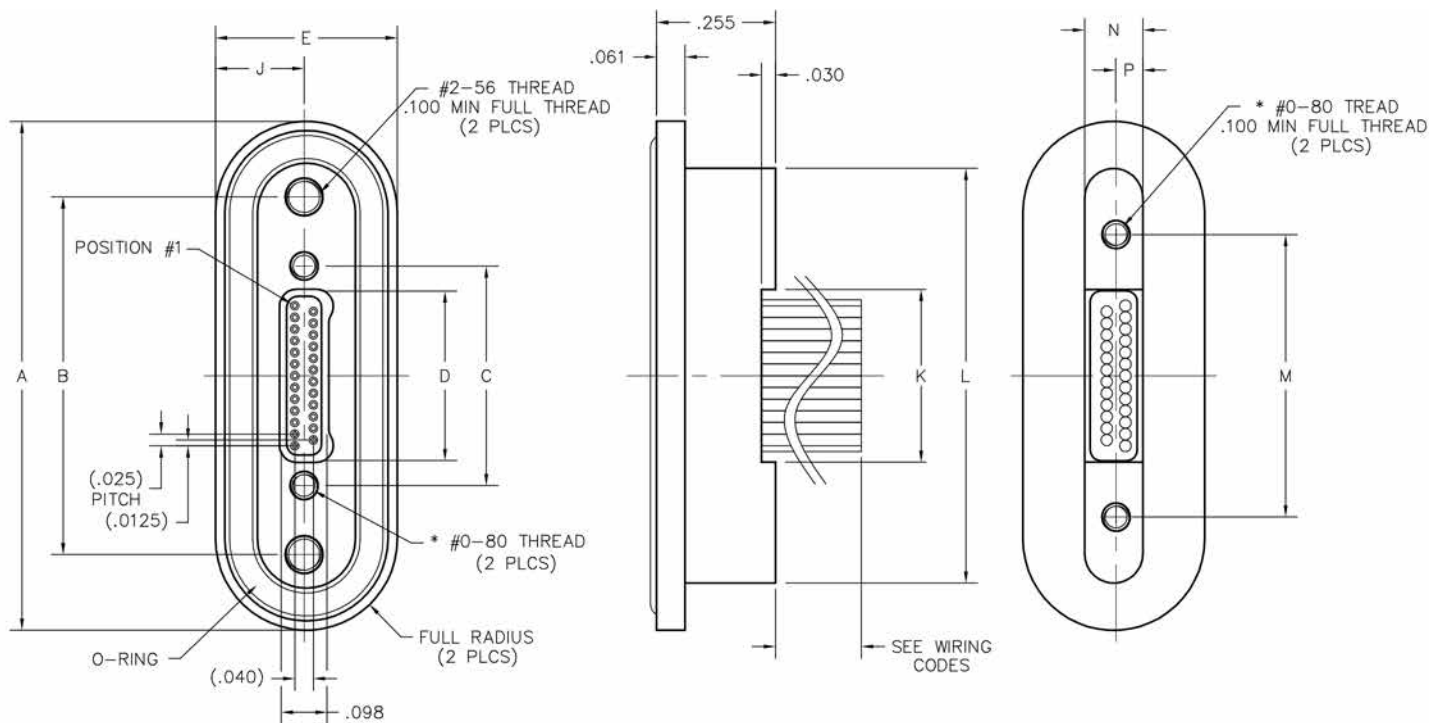
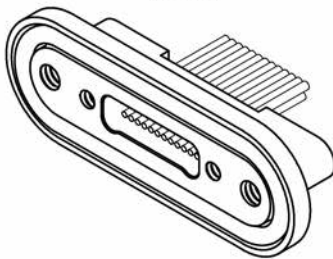
AirBorn N Series meets or exceeds MIL-DTL-32139 performance specifications.

CONTACT RATING:	1-amperes maximum
SOLDERABILITY:	Terminals (except crimp) tested in accordance with MIL-STD-202, method 208
WIRE SIZE:	Stranded #30 and #32 AWG or solid #30 AWG standard <i>(consult factory for other sizes and types)</i>
TEST VOLTAGE:	250V (RMS), 60 Hz
OPERATING TEMPERATURE:	-55° C to +125° C
INSULATION RESISTANCE:	5,000 megaohms minimum at 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 <i>(except steps 7a and 7b)</i>
THERMAL SHOCK:	Tested to the temperature extremes of EIA-364-32, condition I
CONTACT RESISTANCE:	0.021 volt maximum drop at 1.0 amps (.021 ohms)
CONTACT ENGAGING FORCE:	5.0 oz maximum, with minimum diameter test sleeve
CONTACT SEPARATING:	0.4 oz minimum, with maximum diameter test sleeve
FORCE CRIMP STRENGTH:	1 pound minimum tensile strength

TWO ROW – REAR PANEL MOUNT I/O

NMRP
0.025" | 9 THROUGH 85 CONTACTS

NMRP-224-025-261-THBE
(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.

LEAD CONFIGURATION OPTIONS

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 N-151

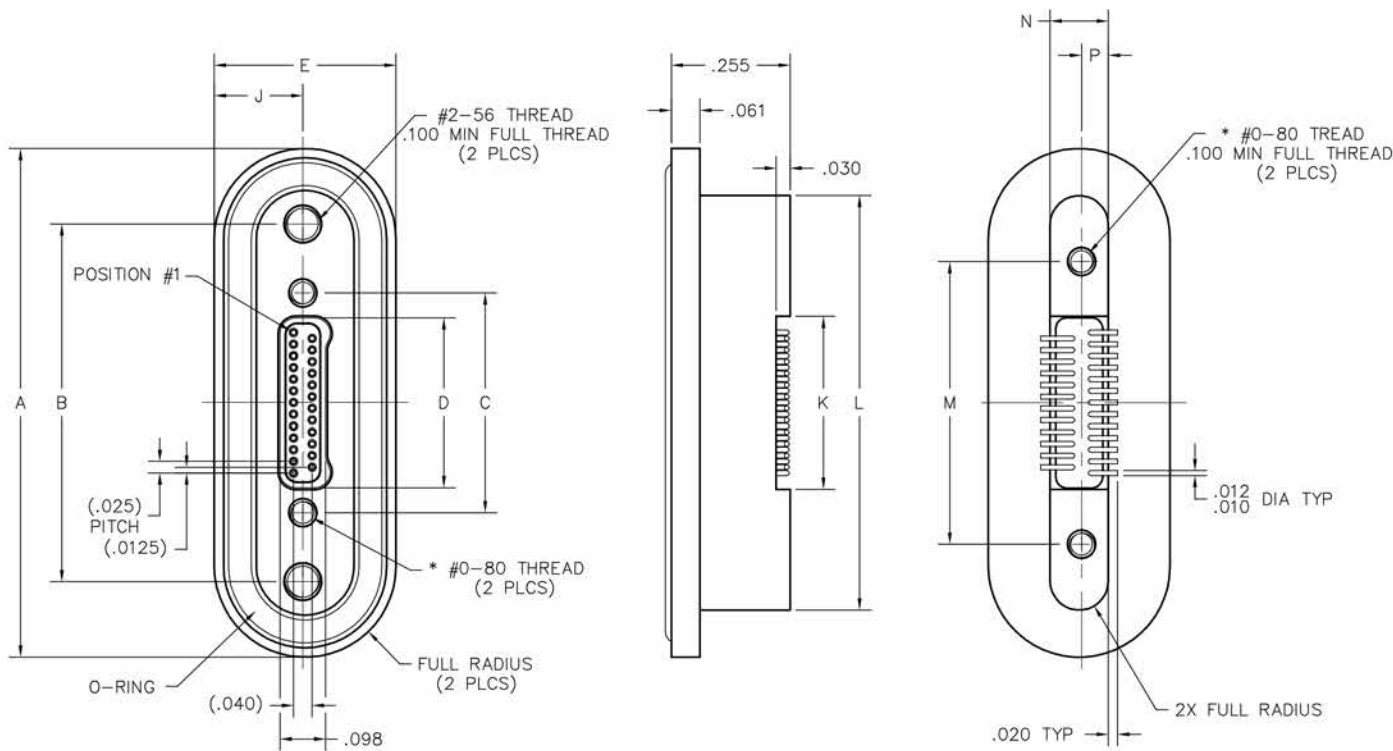
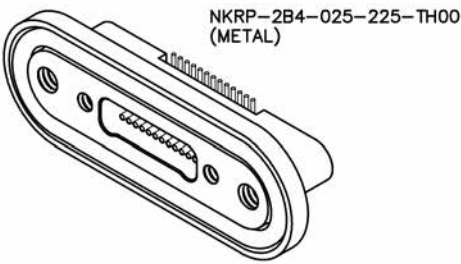
OPTIONS

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)

TWO ROW – REAR PANEL MOUNT VERTICAL SMT

NKRP
0.025" | 9 THROUGH 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.

LEAD CONFIGURATION OPTIONS

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, 085 or 091)

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)

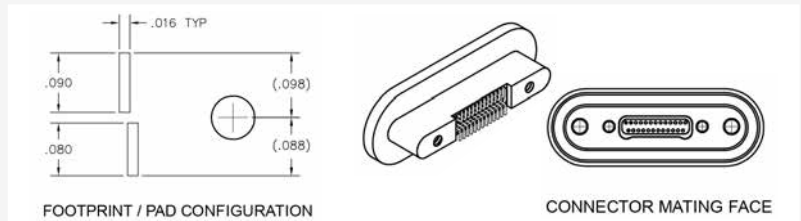
* = #2-56 UNC thread on 85, 91 position connectors

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

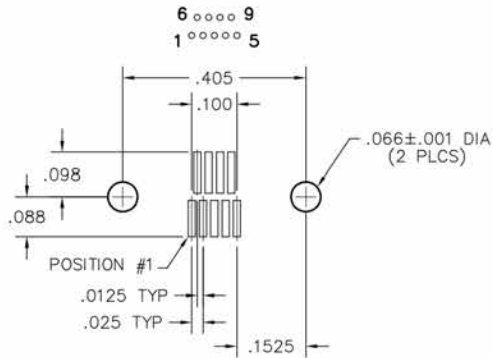
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

☒ = Option not RoHS compliant

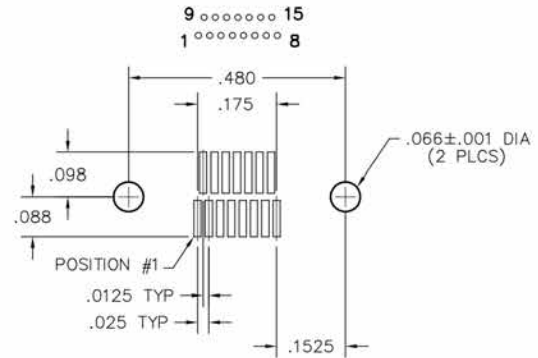
RECOMMENDED PC BOARD LAYOUTS
VERTICAL SMT RECEPTACLE
 FOR REFERENCE ONLY



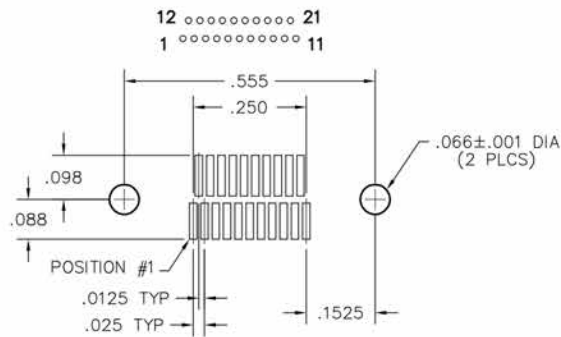
9 POSITION



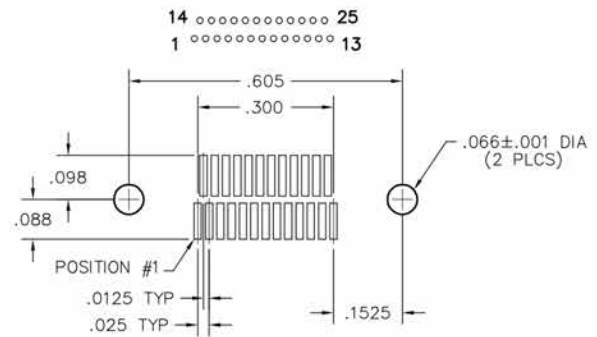
15 POSITION



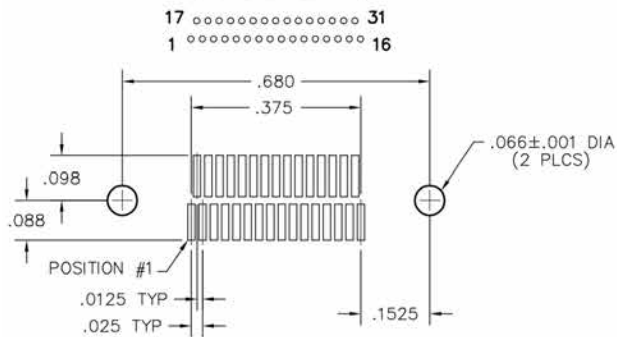
21 POSITION



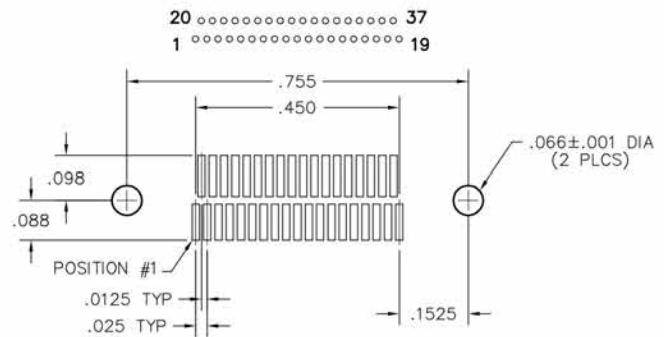
25 POSITION



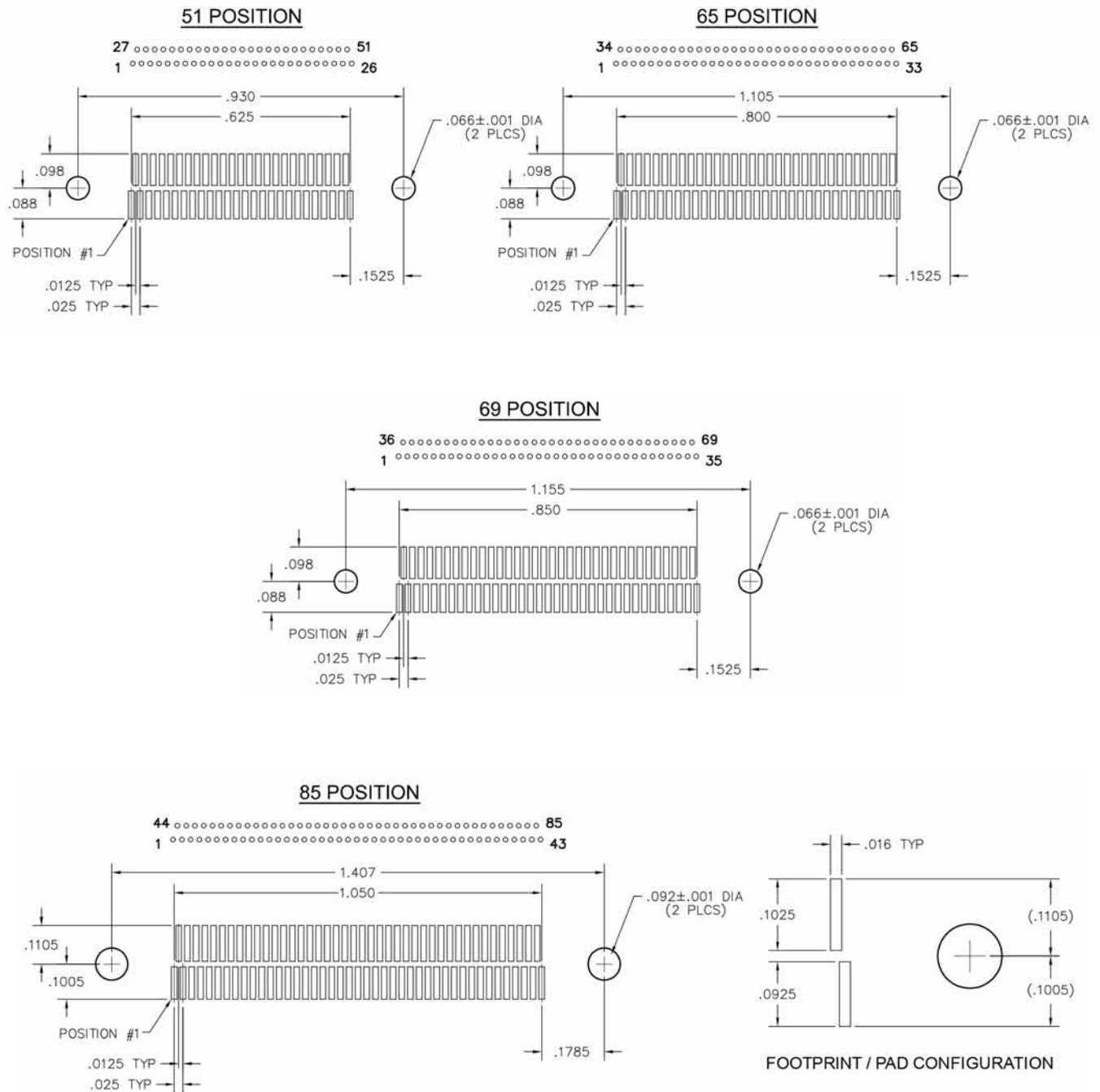
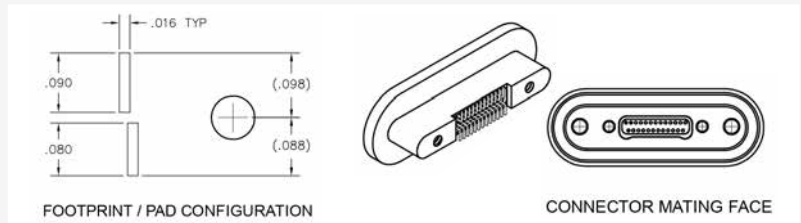
31 POSITION



37 POSITION

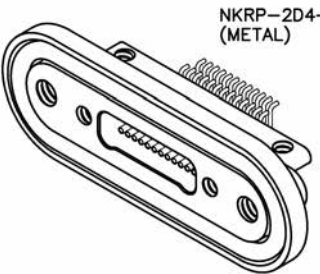


RECOMMENDED PC BOARD LAYOUTS
VERTICAL SMT RECEPTACLE
 FOR REFERENCE ONLY

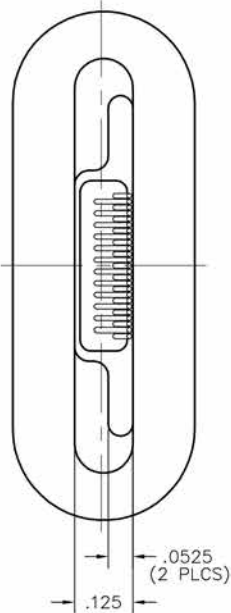
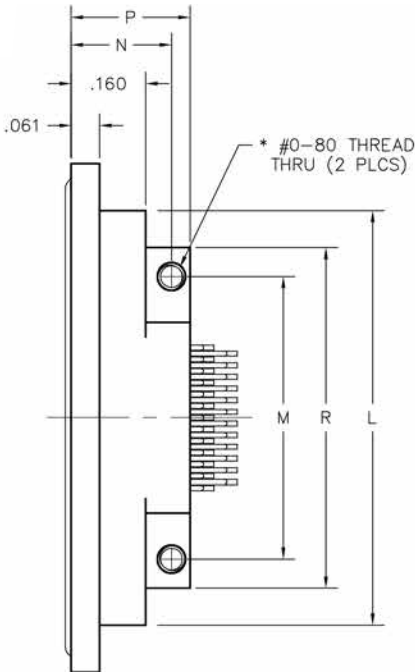
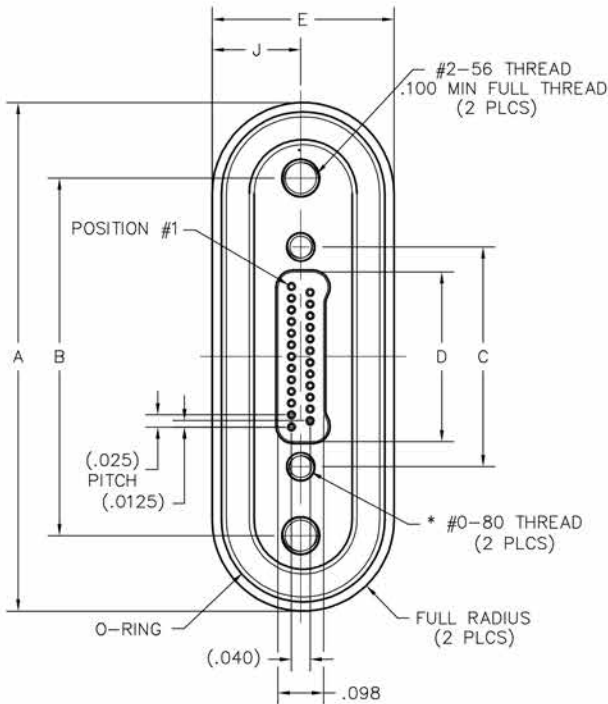


TWO ROW – REAR PANEL MOUNT HORIZONTAL SMT

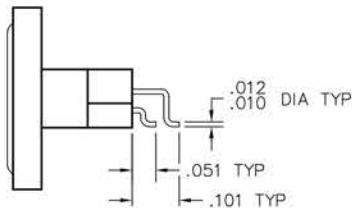
NKRP
0.025" | 9 THROUGH 85 CONTACTS



NKRP-2D4-
(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 & 91 POSITION CONNECTORS.

LEAD CONFIGURATION OPTIONS

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)

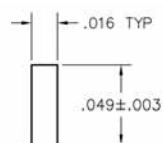
☒ = Option not RoHS compliant

RECOMMENDED PC BOARD LAYOUTS

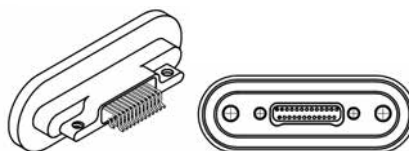
HORIZONTAL SMT RECEPTACLE

FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE



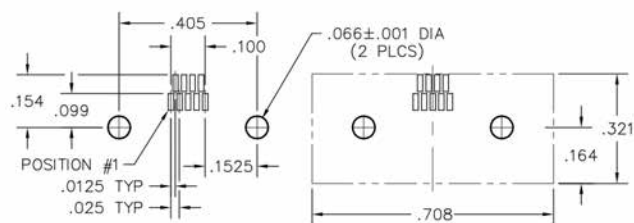
FOOTPRINT / PAD CONFIGURATION



CONNECTOR MATING FACE

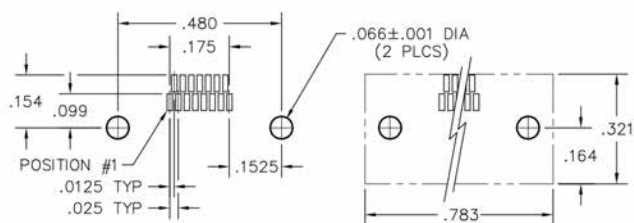
9 POSITION

9 0000 6
5 00000 1



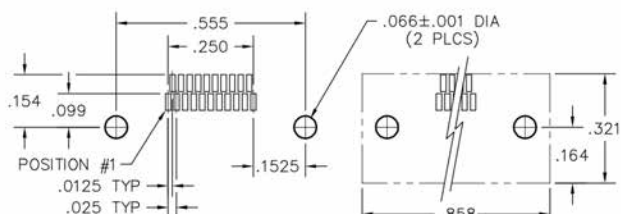
15 POSITION

15 000000 9
8 0000000 1



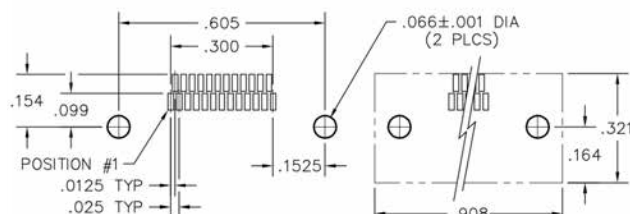
21 POSITION

21 00000000 12
11 000000000 1



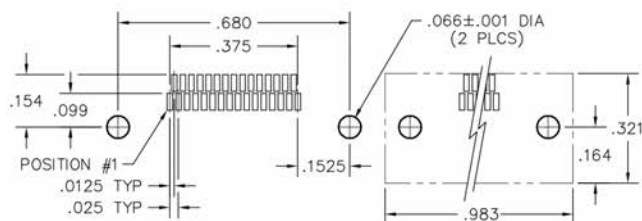
25 POSITION

25 0000000000 14
13 00000000000 1



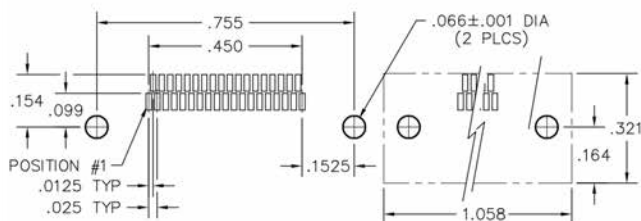
31 POSITION

31 00000000000000 17
16 00000000000000 1



37 POSITION

37 0000000000000000 20
19 0000000000000000 1

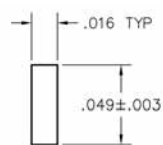


RECOMMENDED PC BOARD LAYOUTS

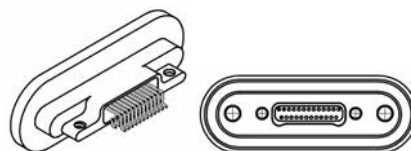
HORIZONTAL SMT RECEPTACLE

FOR REFERENCE ONLY

NO SOLDER MASK ALLOWED WITHIN CONNECTOR OUTLINE

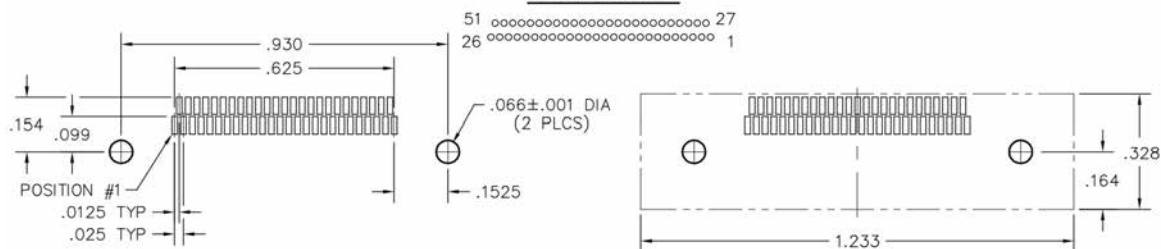


FOOTPRINT / PAD CONFIGURATION

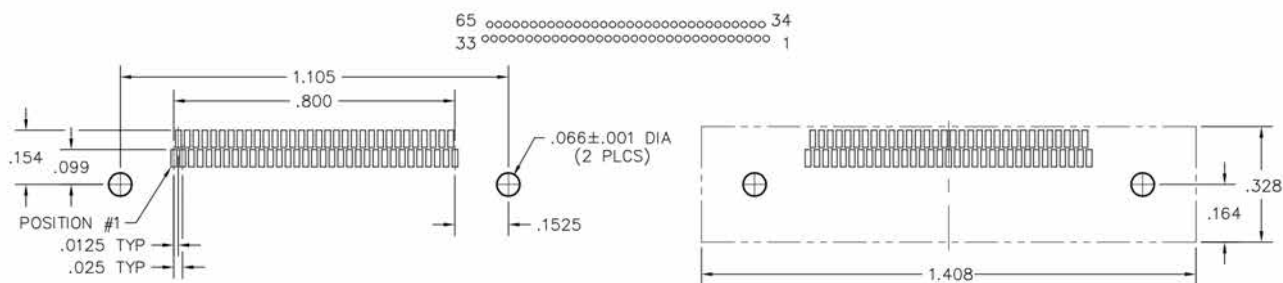


CONNECTOR MATING FACE

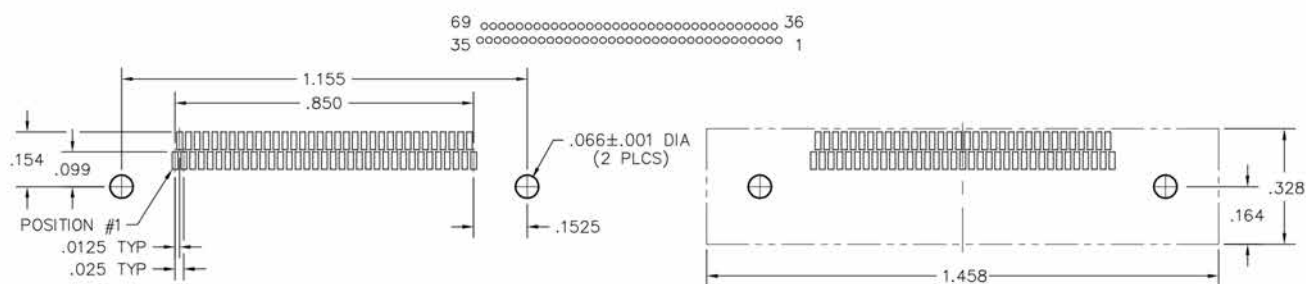
51 POSITION



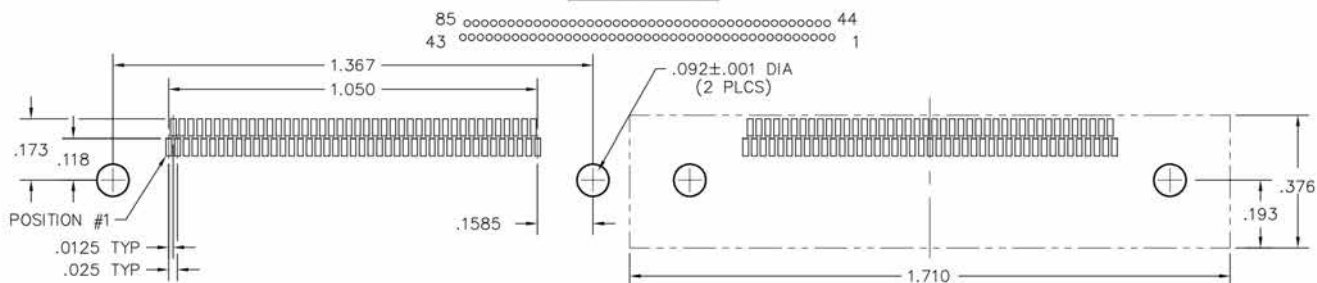
65 POSITION



69 POSITION



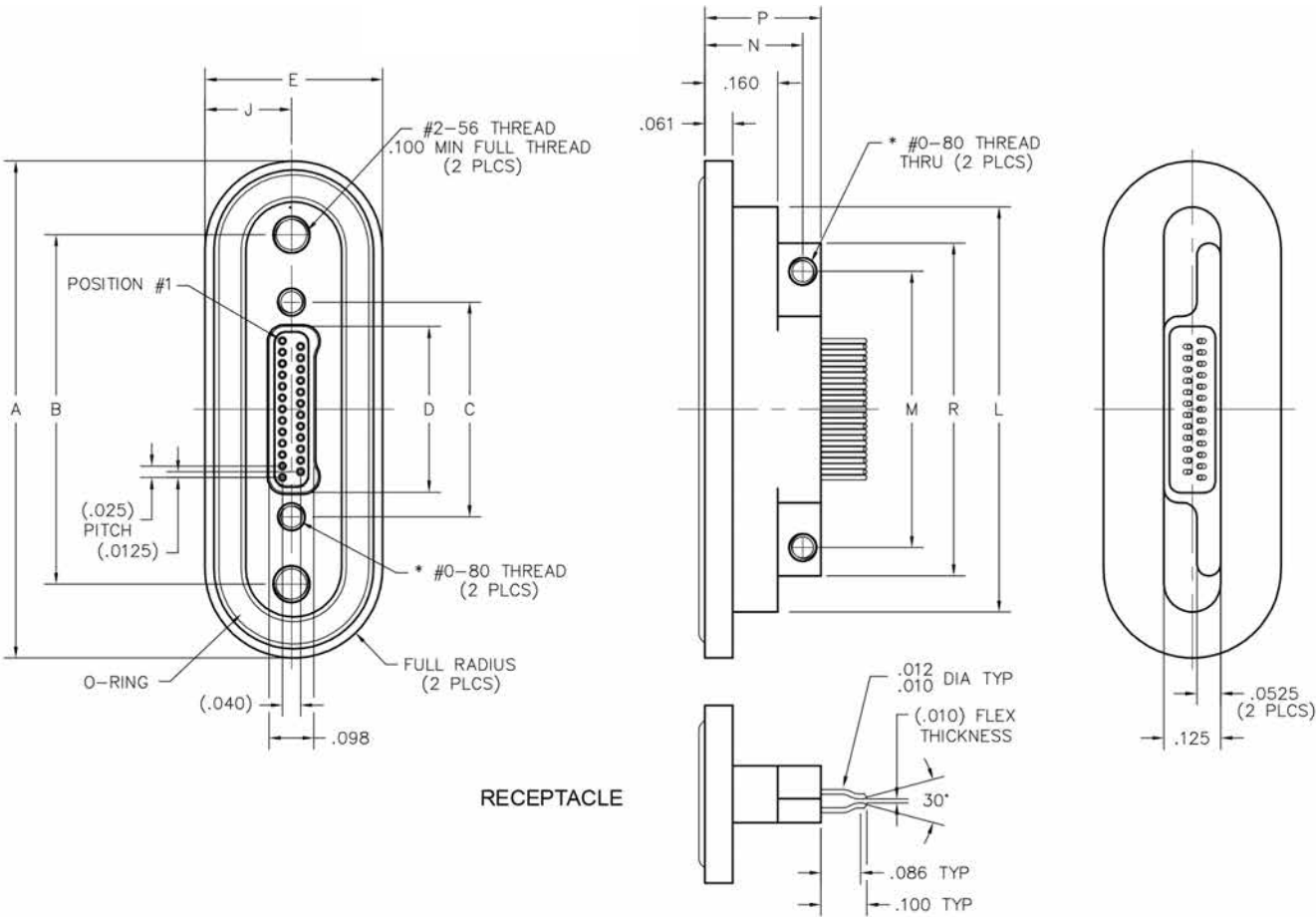
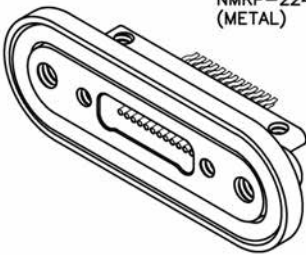
85 POSITION



TWO ROW – REAR PANEL MOUNT STRADDLE MOUNT

NMRP
0.025" | 9 THROUGH 85 CONTACTS

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



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.

LEAD CONFIGURATION OPTIONS

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)

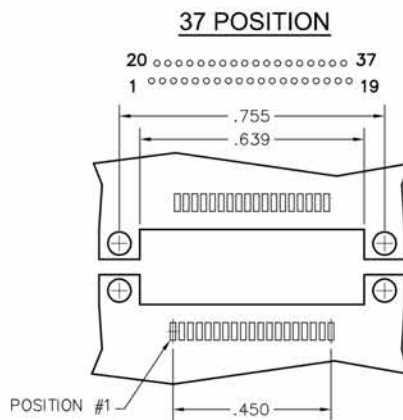
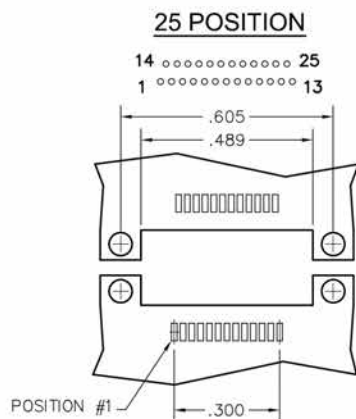
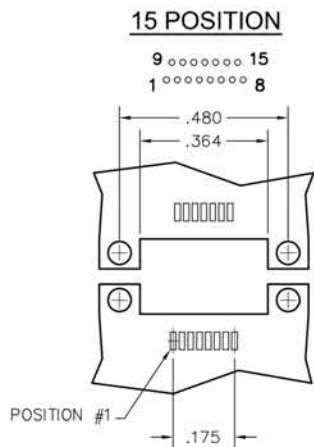
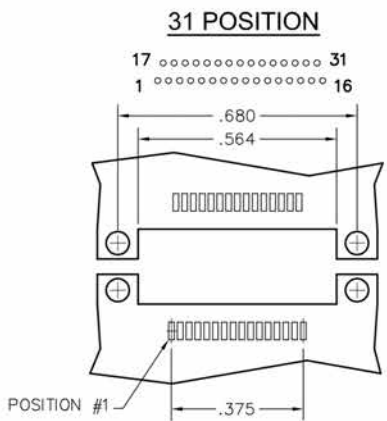
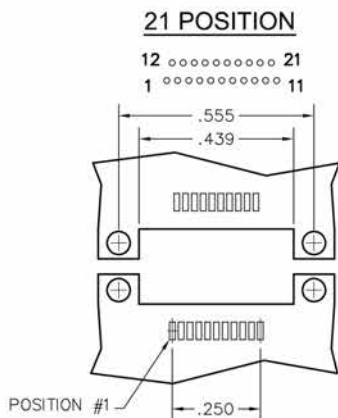
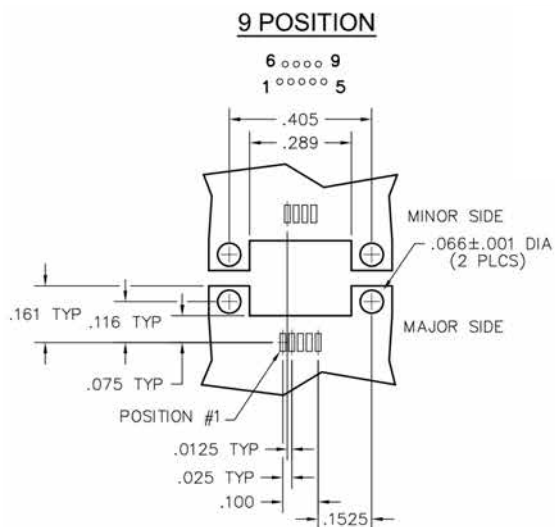
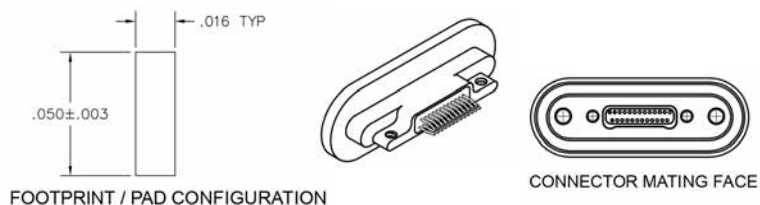
* = #2-56 UNC thread on 85 position connectors

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

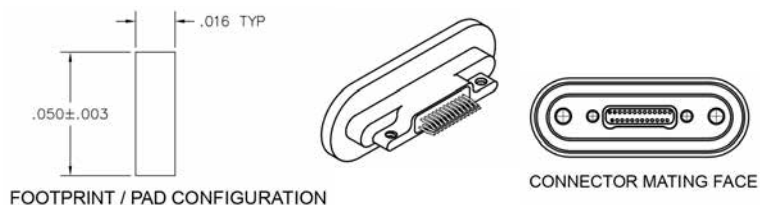
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

☒ = Option not RoHS compliant

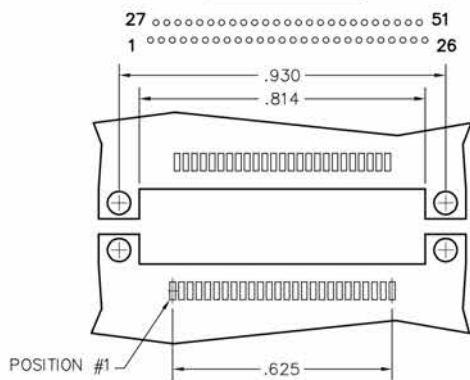
RECOMMENDED PC BOARD LAYOUTS
STRADDLE MOUNT RECEPTACLE
 FOR REFERENCE ONLY



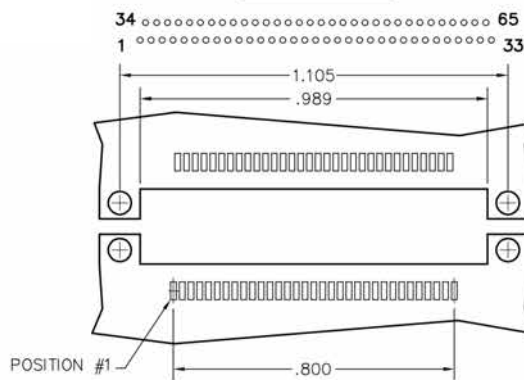
RECOMMENDED PC BOARD LAYOUTS
STRADDLE MOUNT RECEPTACLE
 FOR REFERENCE ONLY



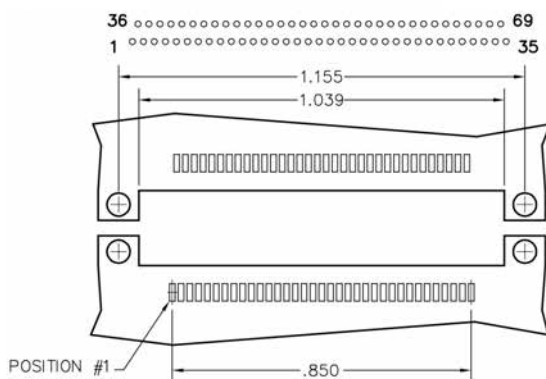
51 POSITION



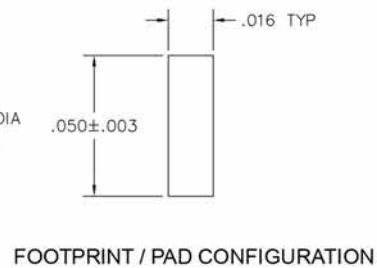
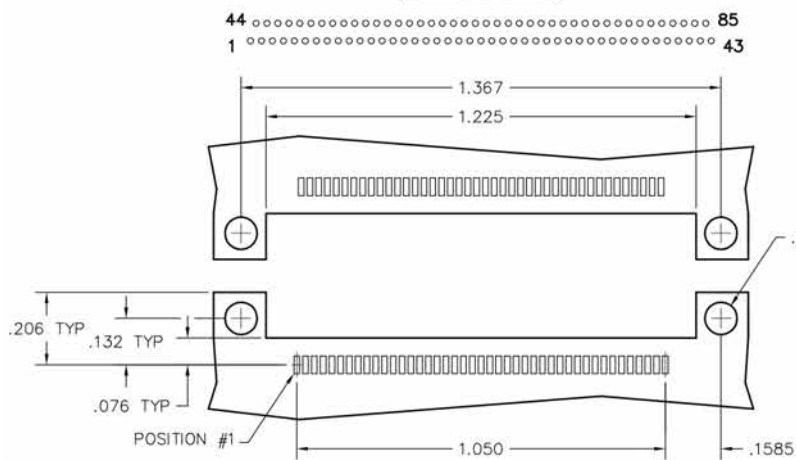
65 POSITION



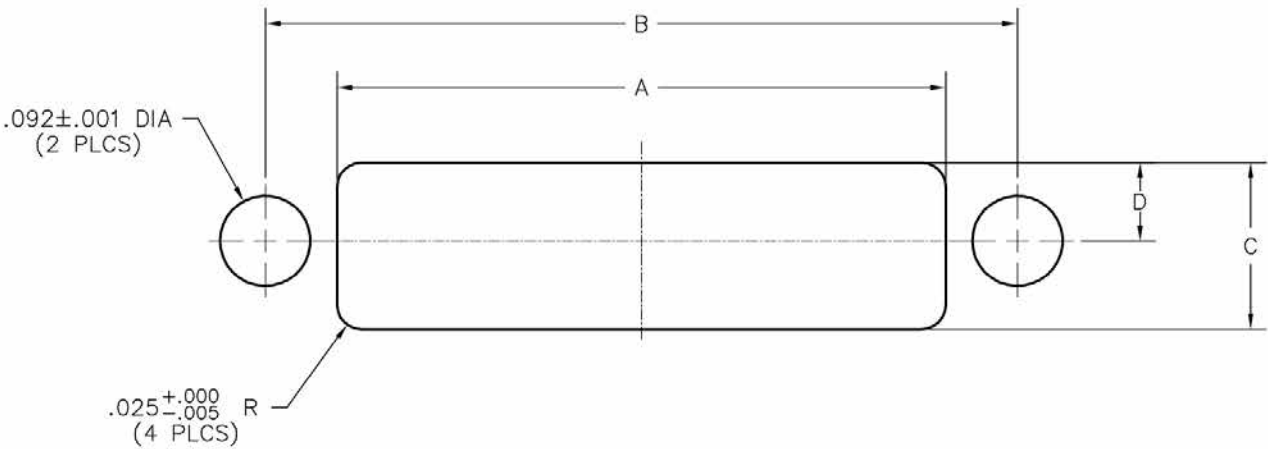
69 POSITION



85 POSITION

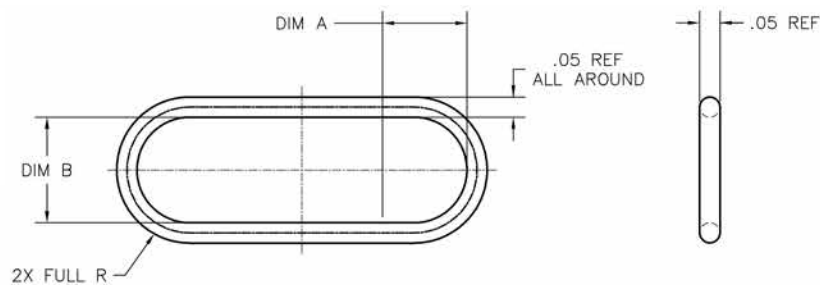


PANEL MOUNTING DIMENSIONS FOR REAR PANEL MOUNT CONNECTORS



DIMENSIONS				
SIZE	A $\begin{smallmatrix} +.004 \\ -.000 \end{smallmatrix}$	B $\pm .002$	C $\begin{smallmatrix} +.004 \\ -.000 \end{smallmatrix}$	D $\pm .001$
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

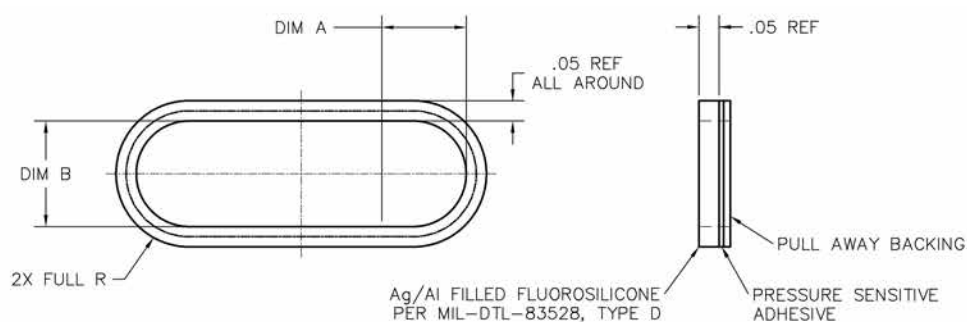
O-RING, FLUOROSILICONE



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		1.48	
85	2	1.73	.26

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		1.49	
85	2	1.74	.26

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

AIRBORN N SERIES ACCESSORIES

MOLEX STANDARD NANO WIRE CODES

WIRE CODE	WIRE SIZE	WIRE SPEC	WIRE COLOR	WIRE LENGTH (+1.0"/-0.0")
AA	30AWG	NEMA HP3	Color Coded*	6.0
AB	30AWG	NEMA HP3	Color Coded*	12.0
AC	30AWG	NEMA HP3	Color Coded*	18.0
AD	30AWG	NEMA HP3	Color Coded*	36.0
AE	30AWG	NEMA HP3	White	6.0
AF	30AWG	NEMA HP3	White	12.0
AG	30AWG	NEMA HP3	White	18.0
AH	30AWG	NEMA HP3	White	36.0
AJ	30AWG	NEMA HP3	Yellow	6.0
AK	30AWG	NEMA HP3	Yellow	12.0
AL	30AWG	NEMA HP3	Yellow	18.0
AM	30AWG	NEMA HP3	Yellow	36.0
AN	32AWG	NEMA HP3	Color Coded*	6.0
AP	32AWG	NEMA HP3	Color Coded*	12.0
AQ	32AWG	NEMA HP3	Color Coded*	18.0
AR	32AWG	NEMA HP3	Color Coded*	36.0
AS	32AWG	NEMA HP3	White	6.0
AT	32AWG	NEMA HP3	White	12.0
AU	32AWG	NEMA HP3	White	18.0
AV	32AWG	NEMA HP3	White	36.0
AW	32AWG	NEMA HP3	Yellow	6.0
AX	32AWG	NEMA HP3	Yellow	12.0
AY	32AWG	NEMA HP3	Yellow	18.0
AZ	32AWG	NEMA HP3	Yellow	36.0
BA	30AWG	SAE-AS22759/33	Color Coded*	6.0
BB	30AWG	SAE-AS22759/33	Color Coded*	12.0
BC	30AWG	SAE-AS22759/33	Color Coded*	18.0
BD	30AWG	SAE-AS22759/33	Color Coded*	36.0
BE	30AWG	SAE-AS22759/33	White	6.0
BF	30AWG	SAE-AS22759/33	White	12.0
BG	30AWG	SAE-AS22759/33	White	18.0
BH	30AWG	SAE-AS22759/33	White	36.0

MOLEX STANDARD NANO WIRE CODES

WIRE CODE	WIRE SIZE	WIRE SPEC	WIRE COLOR	WIRE LENGTH (+1.0"/-0.0")
CA	30AWG	04047-30A [x]	Color Coded*	6.0
CB	30AWG	04047-30A [x]	Color Coded*	12.0
CC	30AWG	04047-30A [x]	Color Coded*	18.0
CD	30AWG	04047-30A [x]	Color Coded*	36.0
CE	30AWG	04047-30A [x]	White	6.0
CF	30AWG	04047-30A [x]	White	12.0
CG	30AWG	04047-30A [x]	White	18.0
CH	30AWG	04047-30A [x]	White	36.0

NOTES

•NEMA HP3 has replaced MIL-W-16878/6 TFE 7 -strand ET

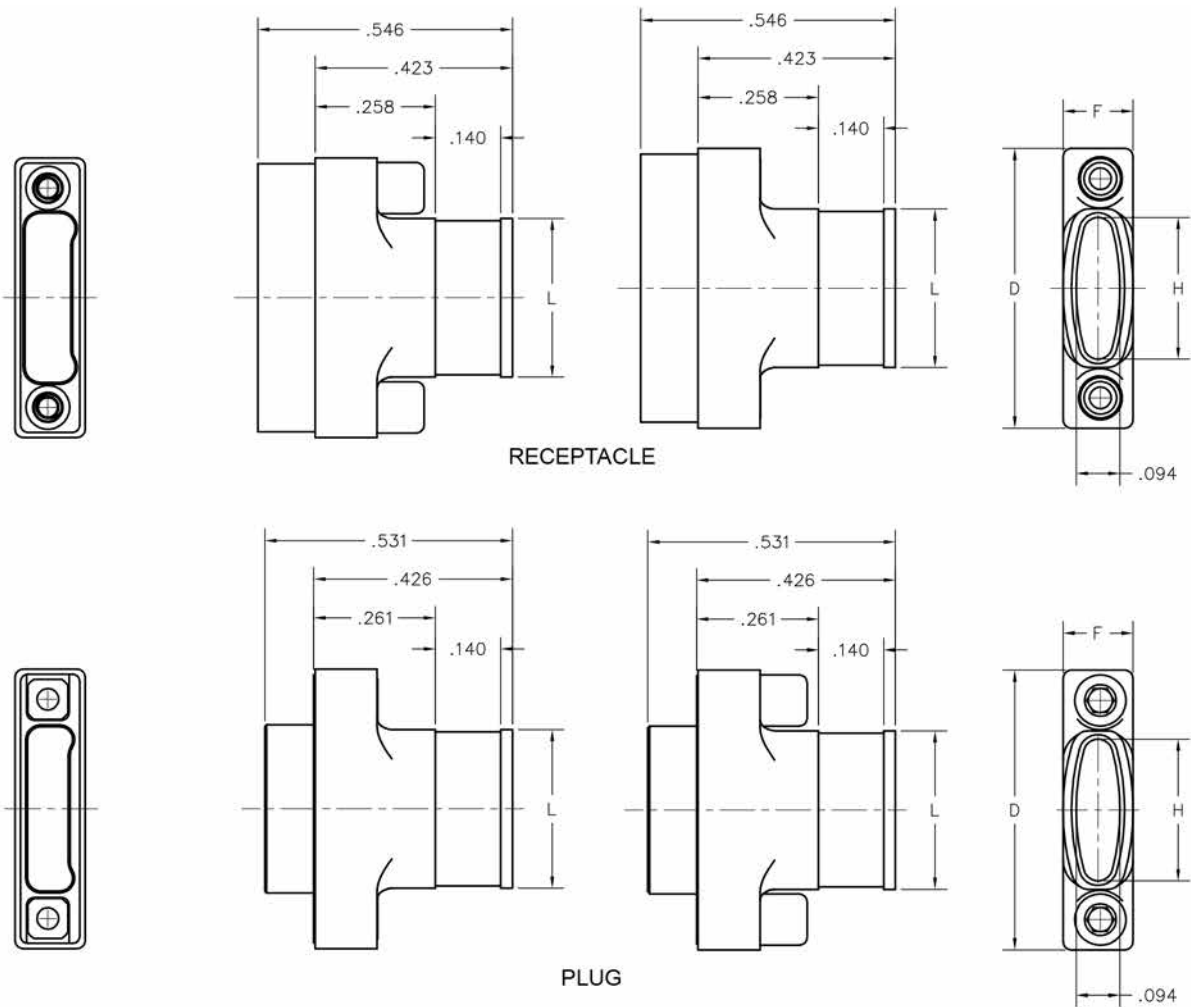
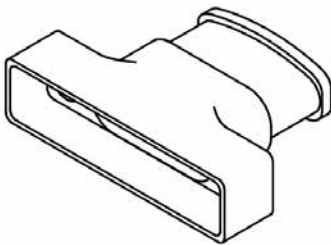
Consult factory for other available wire types.

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

[x] Option is not RoHS-compliant

TWO ROW – BACKSHELLS

NM
0.025" | 9 THROUGH 91 CONTACTS

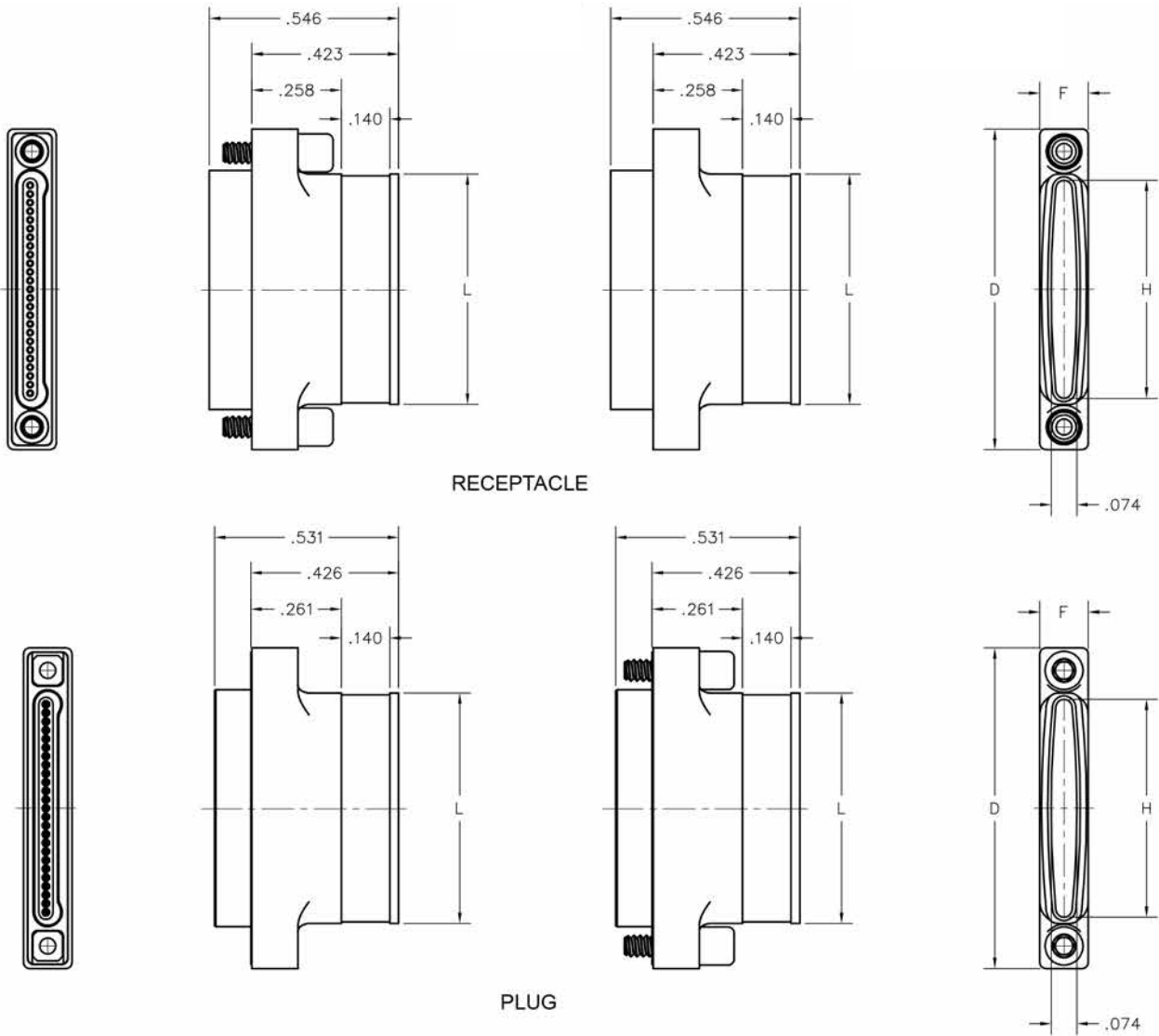
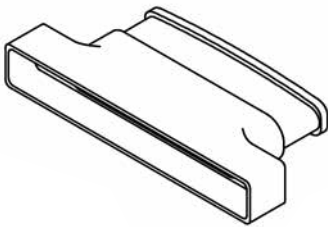


DIMENSIONS					
SIZE	D	F	H	L	HARDWARE
9	.400	.150	.104	.140	#0-80
15	.475		.179	.215	
21	.550		.254	.290	
25	.600		.304	.340	
31	.675		.379	.415	
37	.750		.454	.490	
51	.925		.629	.665	
65	1.100		.804	.840	
69	1.150	.175	.854	.890	#2-56
85	1.402		1.054	1.090	
91	1.477		1.129	1.165	

THESE BACKSHELLS ARE AVAILABLE FACTORY INSTALLED ONLY, SEE PAGE N-45

ONE ROW – BACKSHELLS

NM
0.025" | 9 THROUGH 51 CONTACTS

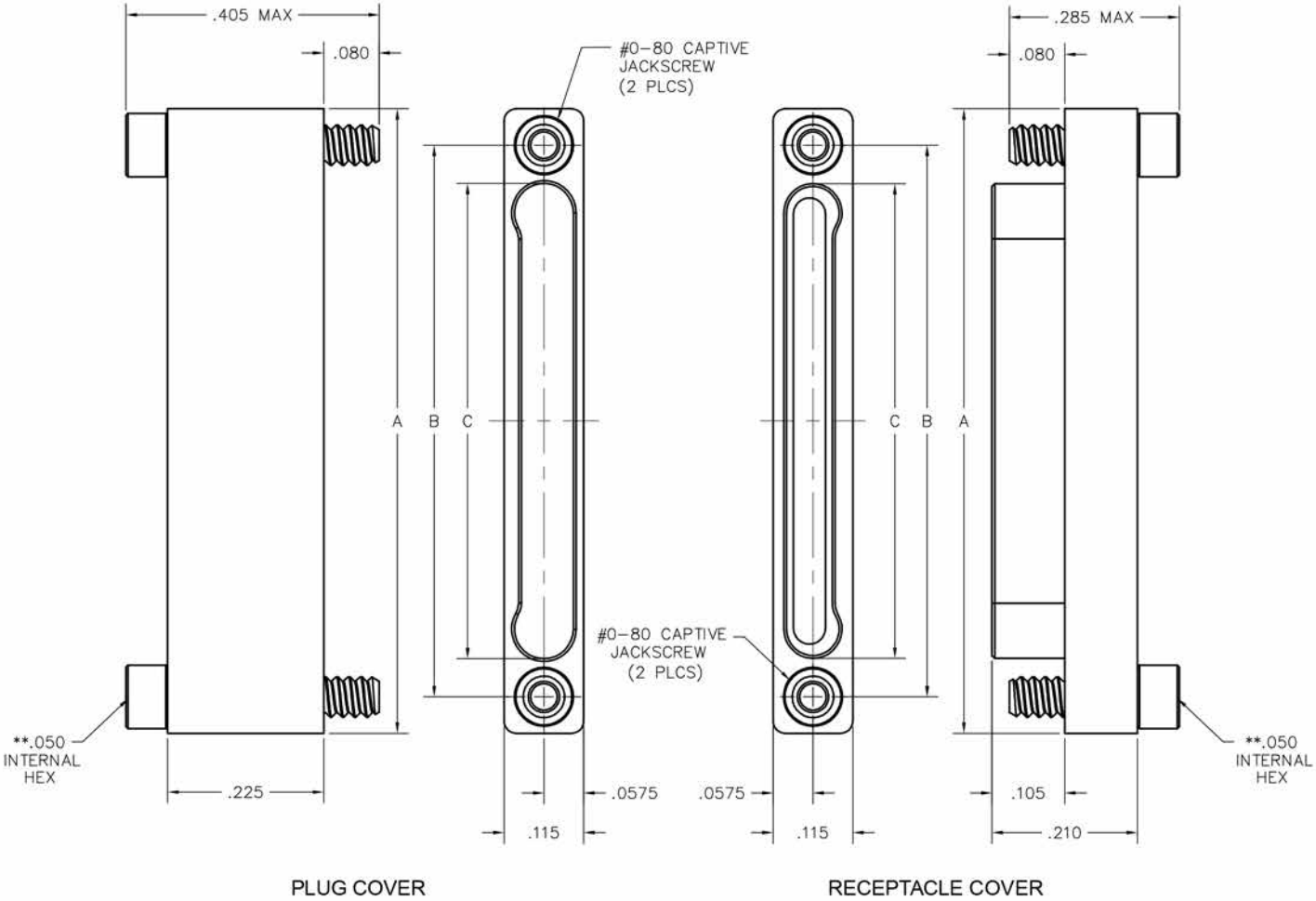
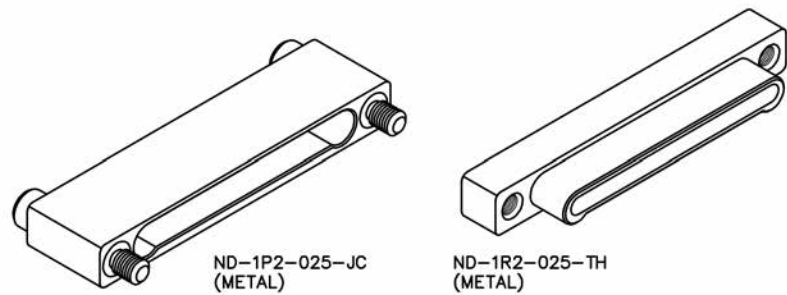


DIMENSIONS					
SIZE	D	F	H	L	HARDWARE
9	.525	.140	.229	.265	#0-80
15	.675		.379	.415	
21	.825		.529	.565	
25	.925		.629	.665	
31	1.075		.779	.815	
37	1.225		.929	.965	
51	1.575		1.279	1.315	

THESE BACKSHELLS ARE AVAILABLE FACTORY INSTALLED ONLY. SEE PAGE N-8

ONE ROW – DUST COVER

ND
0.025" | 9 THROUGH 51 CONTACTS



DIMENSIONS				
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.

LEAD CONFIGURATION OPTIONS

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 <input type="checkbox"/>		BODY PLATING: 2 Electroless nickel 3 Electrodeposited cadmium <input type="checkbox"/>	
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	

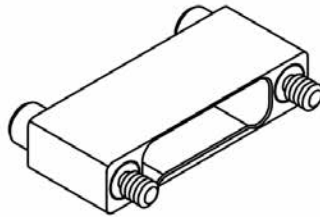
* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☐ = Option not RoHS compliant

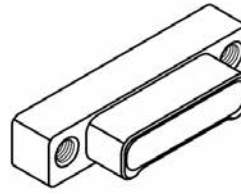
TWO ROW – DUST COVER

ND

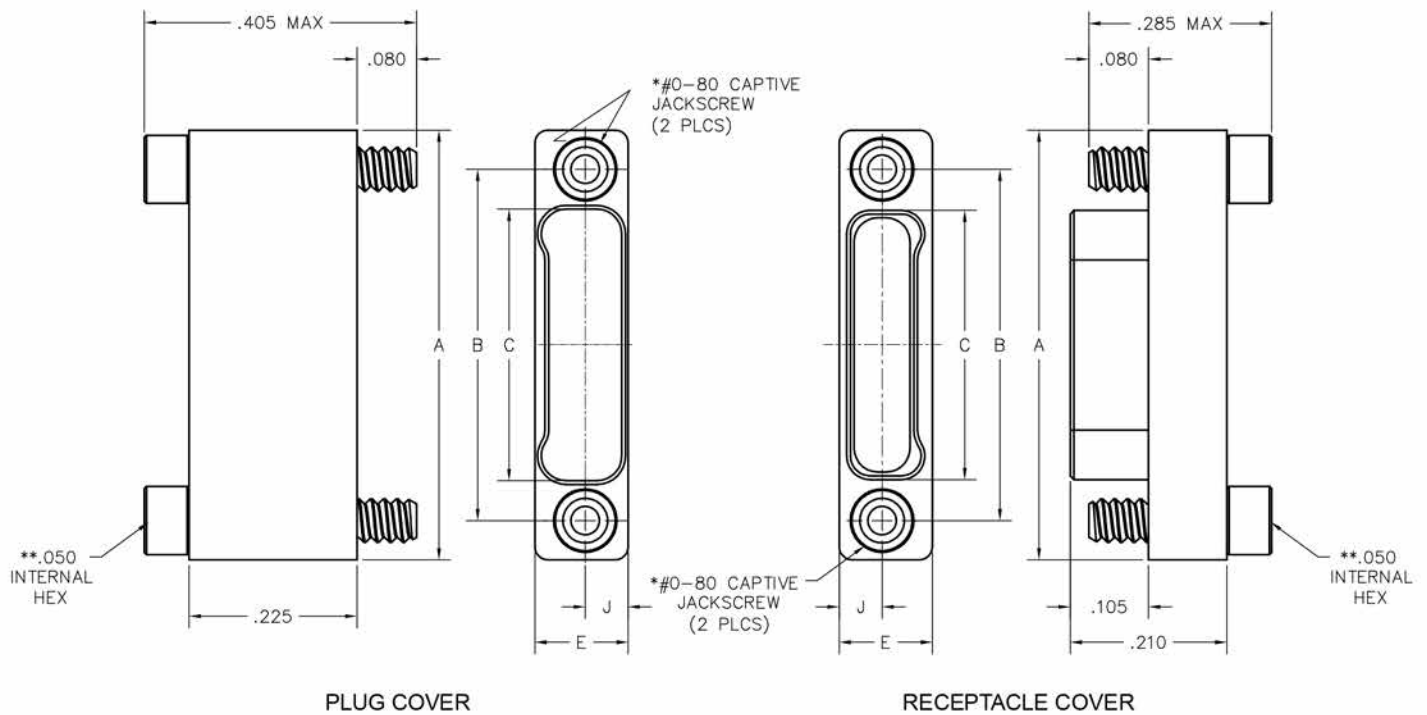
0.025" | 9 THROUGH 91 CONTACTS



ND-2P2-025-JC
(METAL)



ND-2R2-025-TH
(METAL)



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			
91	1.452	1.321	1.188	1.185			

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

LEAD CONFIGURATION OPTIONS

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

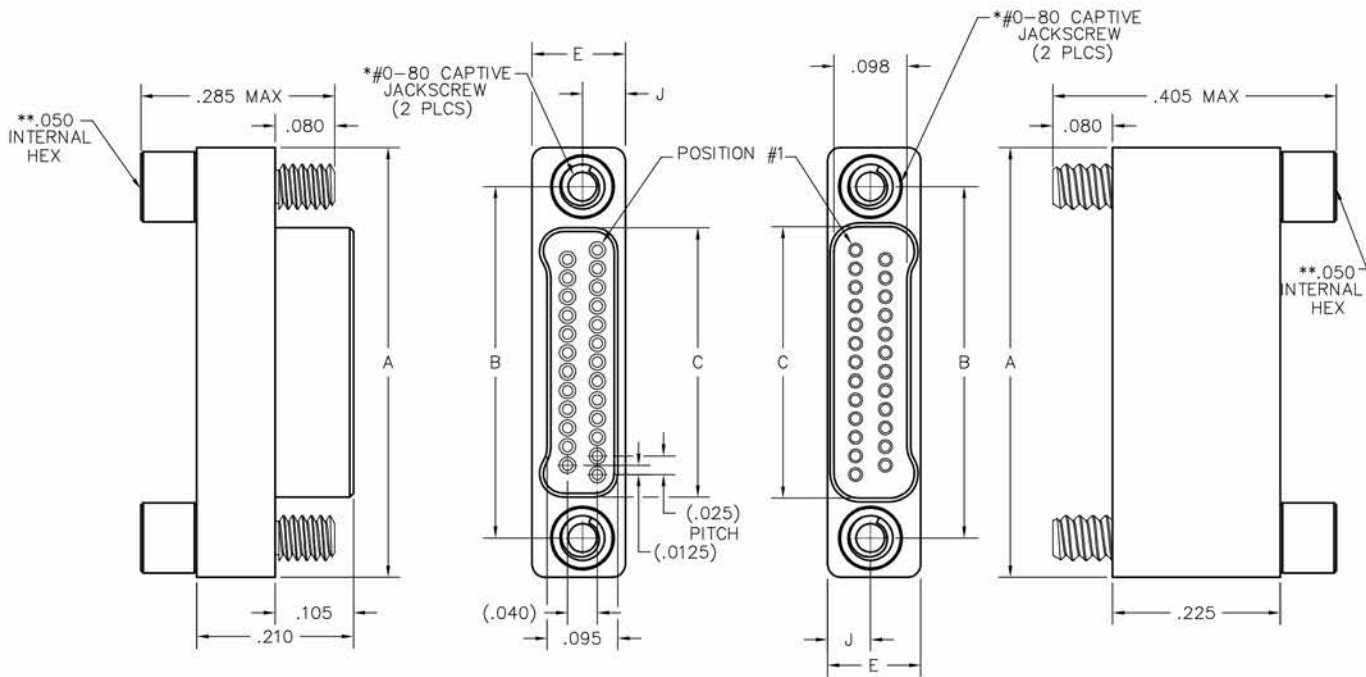
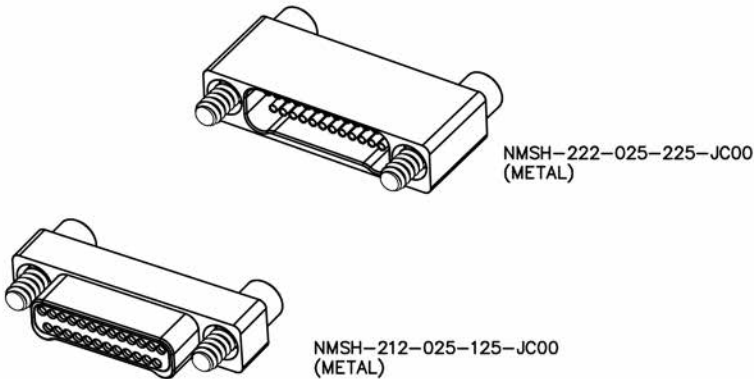
PLUG COVER		RECEPTACLE COVER	
SERIES			
ND .025" Metal Dust Cover		ND .025" Metal Dust Cover	
BODY			
2 2-Row		2 2-Row	
P BODY STYLE: Plug cover		R BODY STYLE: Receptacle cover	
2 BODY PLATING: Electroless nickel		2 BODY PLATING: Electroless nickel	
3 Electrodeposited cadmium <input checked="" type="checkbox"/>		3 Electrodeposited cadmium <input checked="" type="checkbox"/>	
SIZE			
XXX 009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091		XXX 009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091	
HARDWARE			
STYLE OF HARDWARE: JC Turning jackscrews, captivated #0-80 UNF*		STYLE OF HARDWARE: JC Turning jackscrews, captivated #0-80 UNF*	
TH Threaded hole, #0-80 UNF*		TH Threaded hole, #0-80 UNF*	

* = #2-56 UNC thread on 85, 91 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

TWO ROW – SHORTING

NMSH
0.025" | 9 THROUGH 91 CONTACTS



PLUG

RECEPTACLE



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			
85	1.377	1.246	1.110	1.113			
91	1.452	1.321	1.185	1.188	.150	.0700	#2-56 THREAD

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



LEAD CONFIGURATION OPTIONS

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	L	Receptacle, vertical SMT w/ mounting ears
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 <input checked="" type="checkbox"/>	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell
5	Liquid Crystal Polymer w/ titanium 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:		TYPE CONTACTS/TERMINATIONS:	
12	Pin, none	22	Socket, none
PLATING OPTIONS:		PLATING OPTIONS:	
5	50 u" Au contacts, Sn/Pb alloy terminations <input checked="" type="checkbox"/>	5	50 u" Au contacts, Sn/Pb alloy terminations <input checked="" type="checkbox"/>
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, 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.

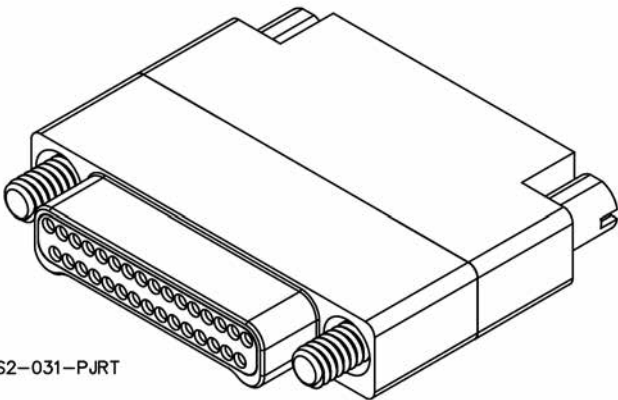
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel.

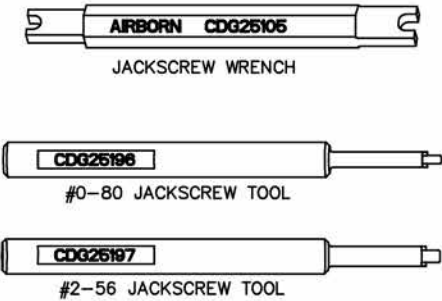
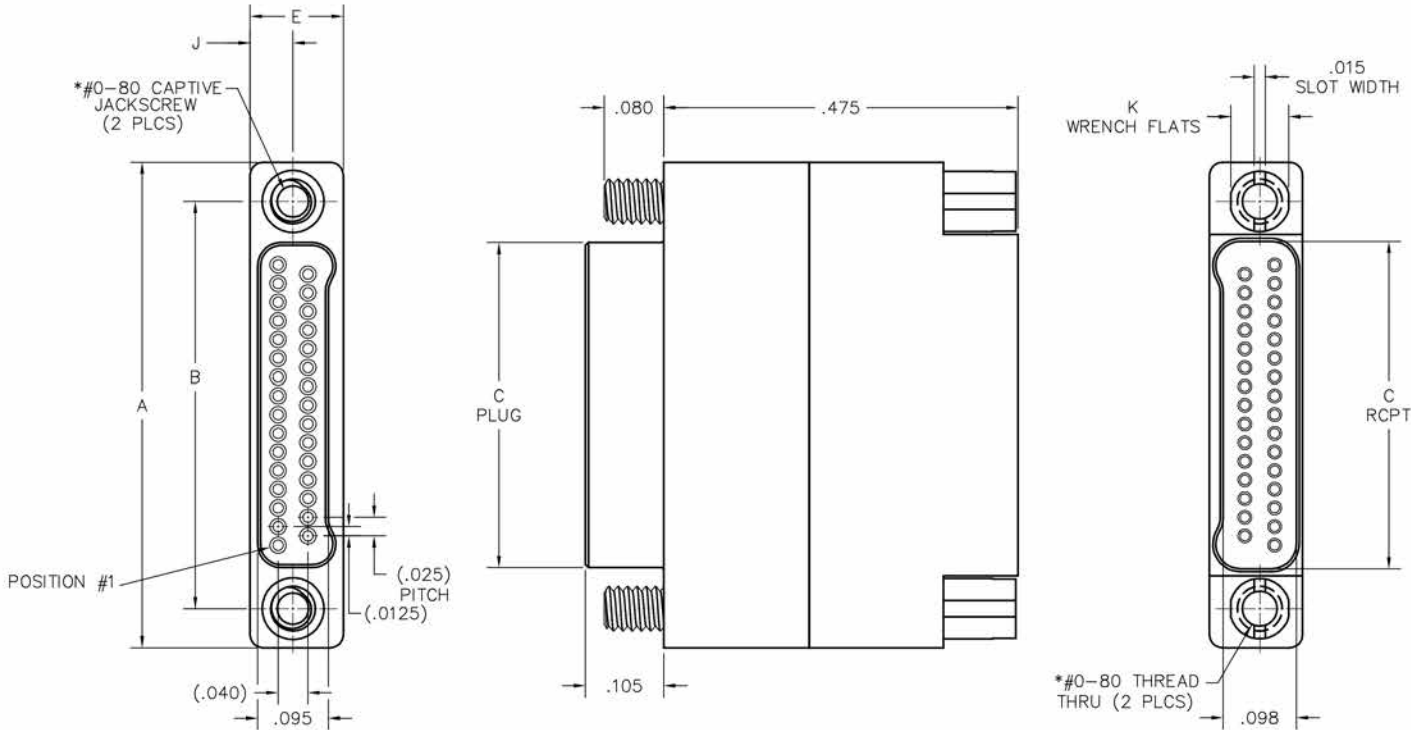
☒ = Option not RoHS compliant

TWO ROW – CONNECTOR SAVER

NMCS
0.025" | 9 THROUGH 91 CONTACTS



NMCS-2S2-031-PJRT

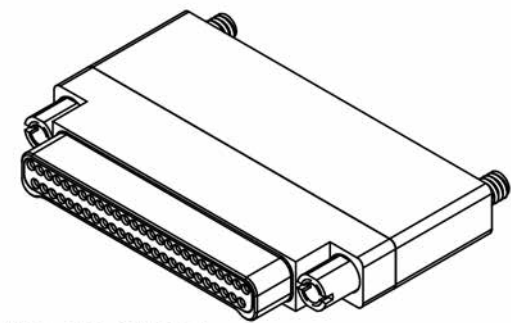


SIZE	A	B	C		E	J	K	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.125	.0575	.078	#0-80 THREAD
15	.450	.345	.235	.238				
21	.525	.420	.310	.313				
25	.575	.470	.360	.363				
31	.650	.545	.435	.438				
37	.725	.620	.510	.513				
51	.900	.795	.685	.688				
65	1.075	.970	.860	.863				
69	1.125	1.020	.910	.913				
85	1.377	1.246	1.110	1.113	.150	.0700	.094	#2-56 THREAD
91	1.452	1.321	1.185	1.198				

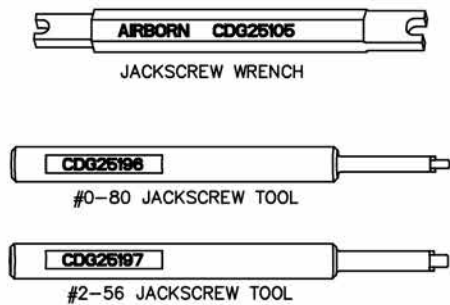
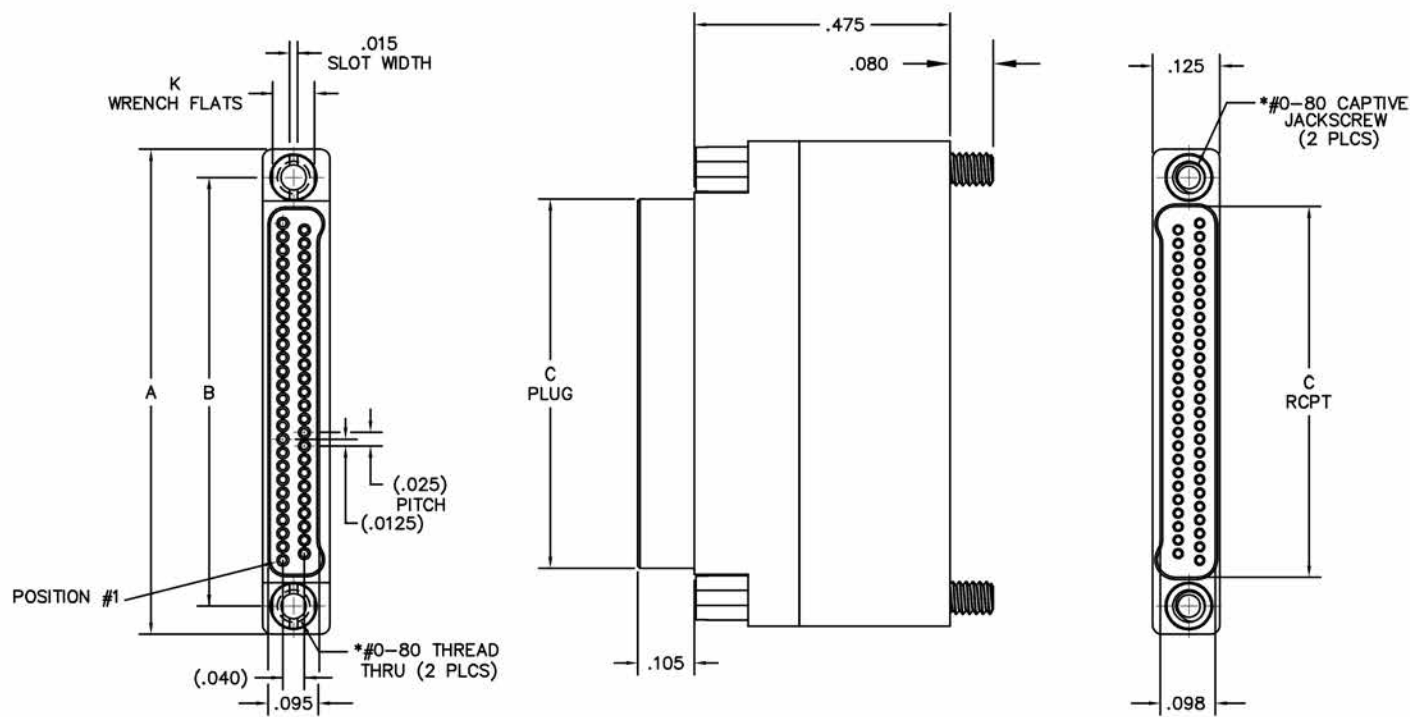
* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 & 91 POSITION CONNECTORS.
HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

TWO ROW – CONNECTOR SAVER

NMCS
0.025" | 9 THROUGH 91 CONTAC



NMCS-2S2-037-PTRJ

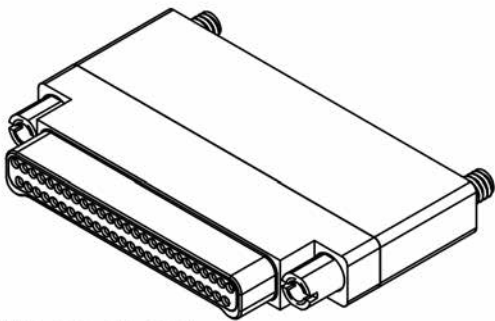


SIZE	A	B	C		E	J	K	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.125	.0575	.078	#0-80 THREAD
15	.450	.345	.235	.238				
21	.525	.420	.310	.313				
25	.575	.470	.360	.363				
31	.650	.545	.435	.438				
37	.725	.620	.510	.513				
51	.900	.795	.685	.688				
65	1.075	.970	.860	.863				
69	1.125	1.020	.910	.913	.150	.0700	.094	#2-56 THREAD
85	1.377	1.246	1.110	1.113				
91	1.452	1.321	1.185	1.195				

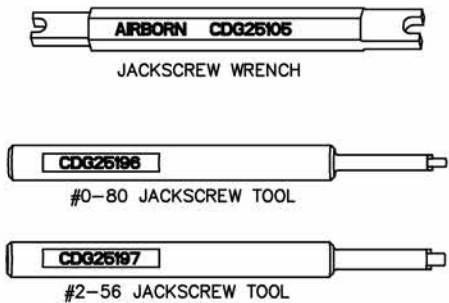
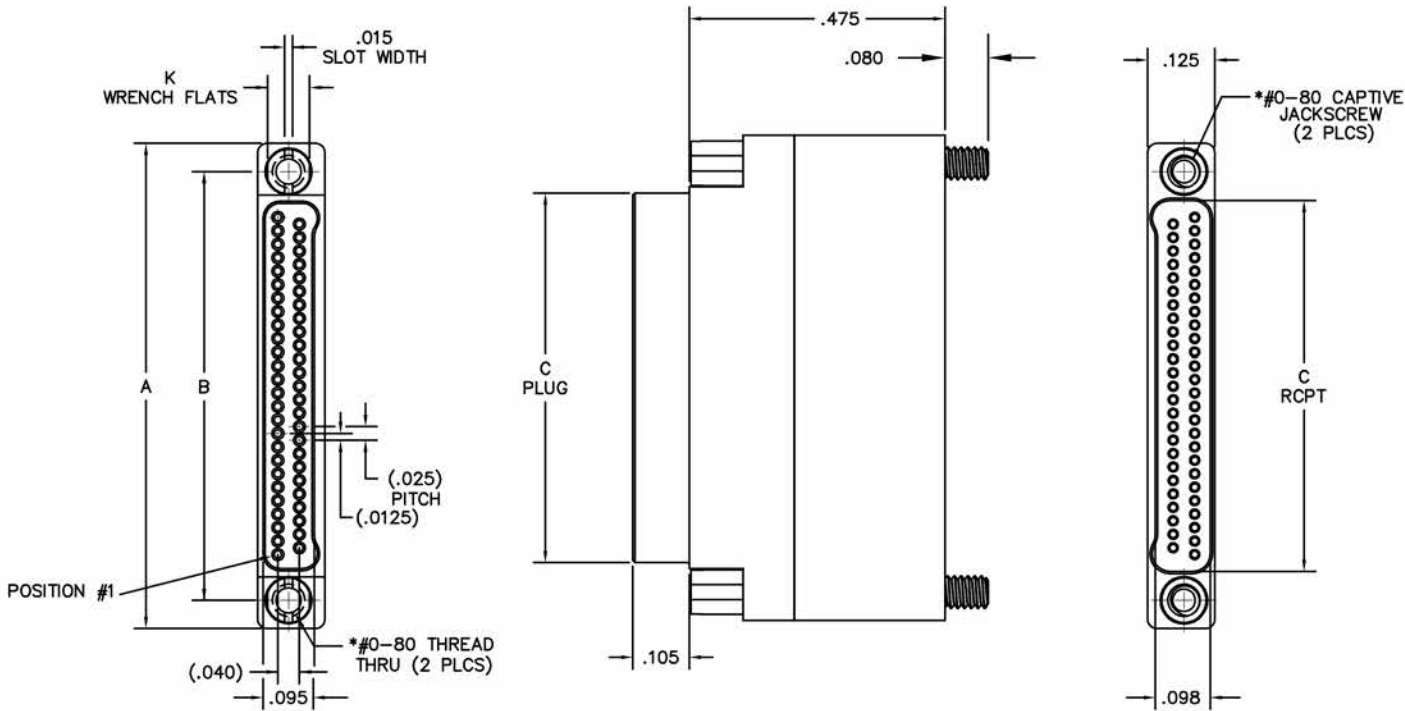
* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

TWO ROW - CONNECTOR SAVER

NMCS
0.025" | 9 THROUGH 91 CONTACTS



NMCS-2S2-037-PTRJ



DIMENSIONS								
SIZE	A	B	C		E	J	K	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.125	.0575	.078	#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	.094	#2-56 THREAD
85	1.377	1.246	1.110	1.113				
91	1.452	1.321	1.185	1.195				

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

LEAD CONFIGURATION OPTIONS

CONNECTOR SAVER: NMCS-2S2-025-PJRT
NMCS-XS2-XXX-PXR

SERIES

NMCS .025" Metal I/O Connector Saver

BODY

2 2-Row

S BODY STYLE:
Saver

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electroless 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)

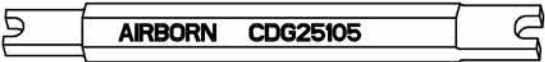
HARDWARE

STYLE OF HARDWARE:
PJRT PLUG with Turning jackscrews, captivated #0-80 UNF*, RECEPTACLE with Threaded hole, #0-80 UNF*
PTRJ PLUG with Threaded hole, #0-80 UNF*, RECEPTACLE with Turning jackscrews, captivated #0-80 UNF*

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

Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

Jackscrew Wrench - order AirBorn p/n CDG25105.
#0-80 Jackscrew Tool - order AirBorn p/n CDG25196.
#2-56 Jackscrew Tool - order AirBorn p/n CDG25197.



JACKSCREW WRENCH



#0-80 JACKSCREW TOOL



#2-56 JACKSCREW TOOL

☒ = Option not RoHS compliant

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