



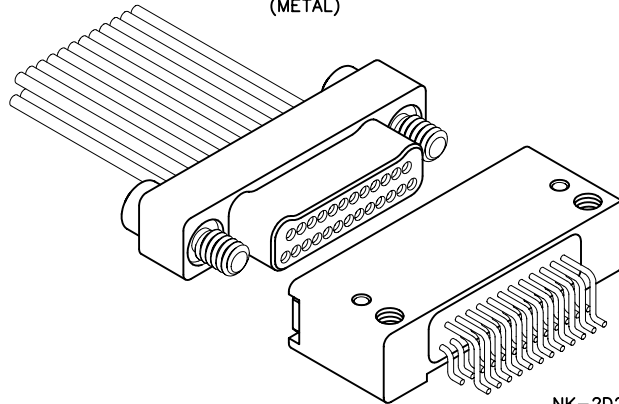
2 · ROW Cable to Board Horizontal SMT

.025"

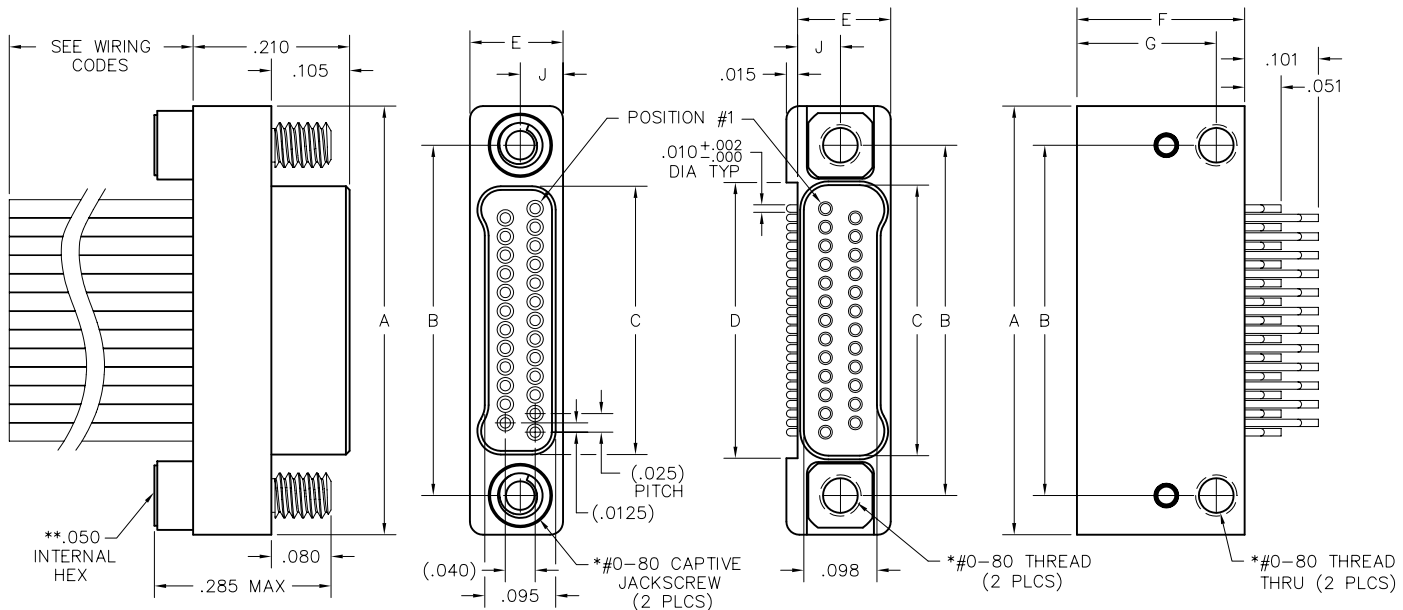
NM, NK

9 thru 85 Contacts

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

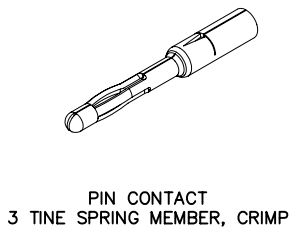


NK-2D2-025-225-TH00
(METAL)

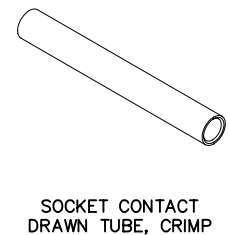


PLUG

RECEPTACLE



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



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

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

PLUG
RECEPTACLE

SERIES

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

2 2-Row BODY STYLE: 1 Plug, straight 5 Plug, 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 ☒	2 2-Row BODY STYLE: D Receptacle, horizontal mount SMT BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
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SIZE

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

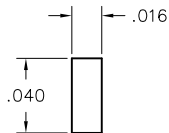
TYPE CONTACTS/TERMINATIONS: 16 Pin, straight, crimped wire PLATING OPTIONS: 1 50 u" Au contacts	TYPE CONTACTS/TERMINATIONS: 22 Socket, SMT PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations
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HARDWARE

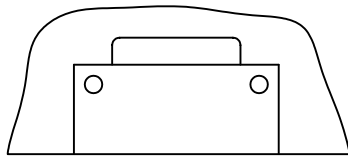
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF* WIRING OPTIONS: XX See wiring codes, Page NA-2	STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF* WIRING OPTIONS: 00 None
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* = #2-56 UNC thread on 85 position connectors
 .050 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.

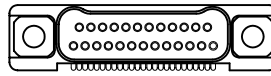
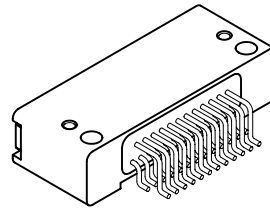
☒ = Option not RoHS compliant



FOOTPRINT / PAD
CONFIGURATION



PC BOARD LAYOUT
COMPONENT SIDE



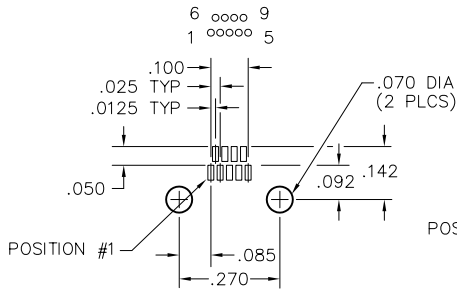
CONNECTOR MATING FACE



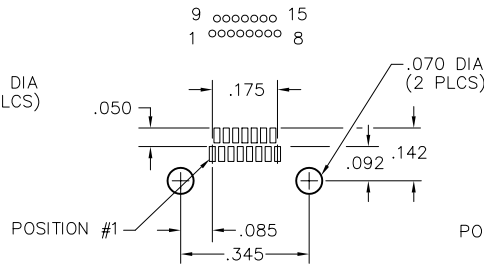
Recommended PC Board Layout

Horizontal SMT Receptacle
FOR REFERENCE ONLY

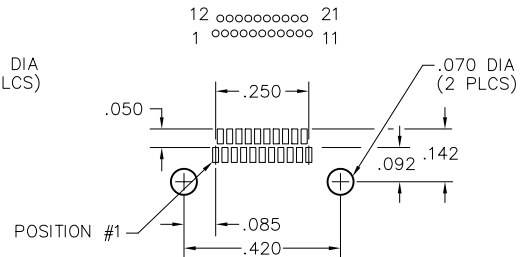
9 POSITION



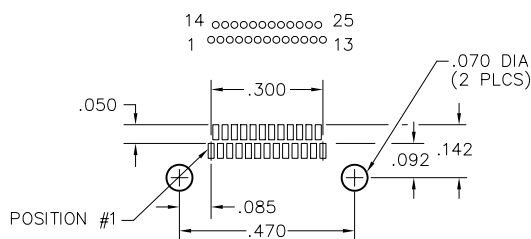
15 POSITION



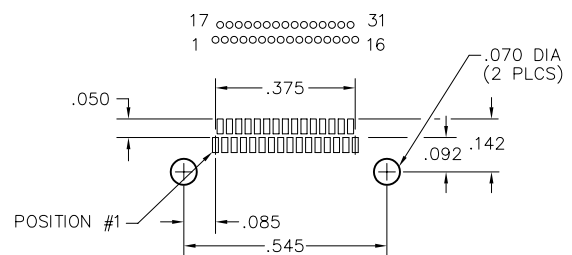
21 POSITION



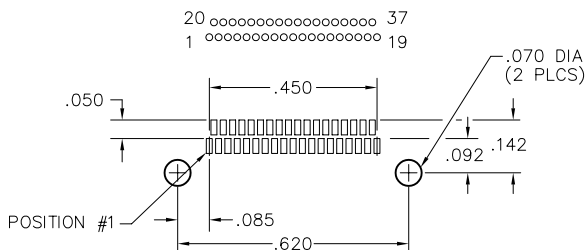
25 POSITION



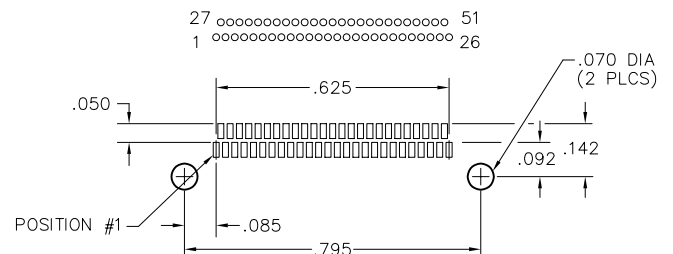
31 POSITION



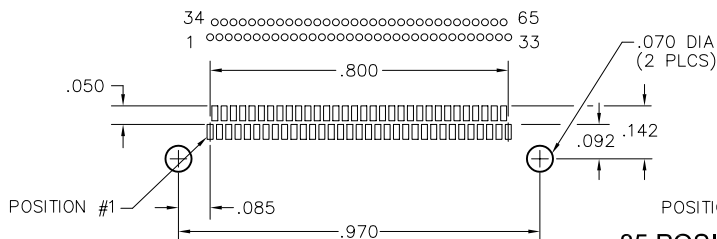
37 POSITION



51 POSITION



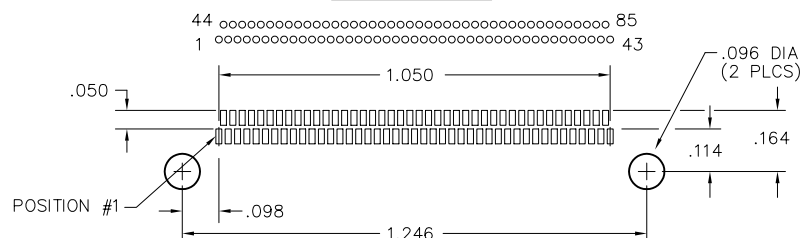
65 POSITION



69 POSITION



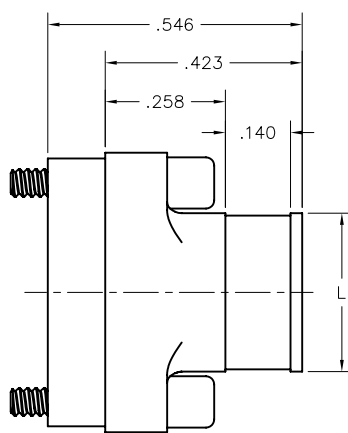
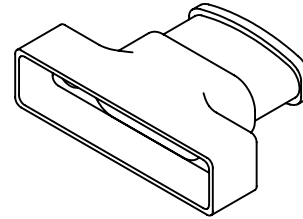
85 POSITION



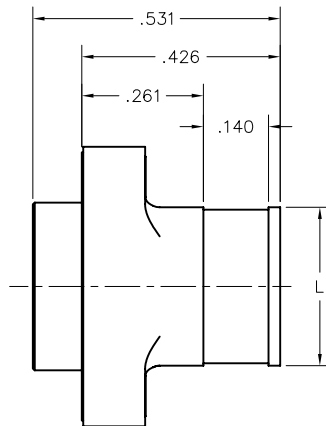
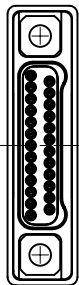
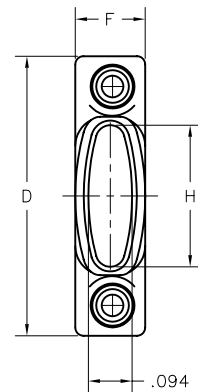
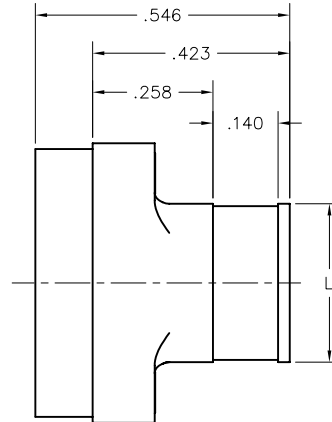
2 · ROW BACKSHELLS

NM

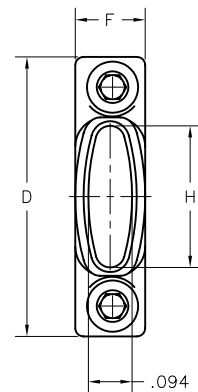
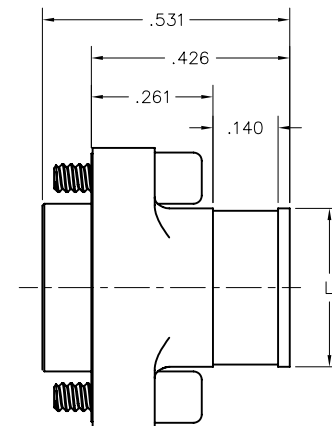
Size 9 thru 85



RECEPTACLE



PLUG



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

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

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