

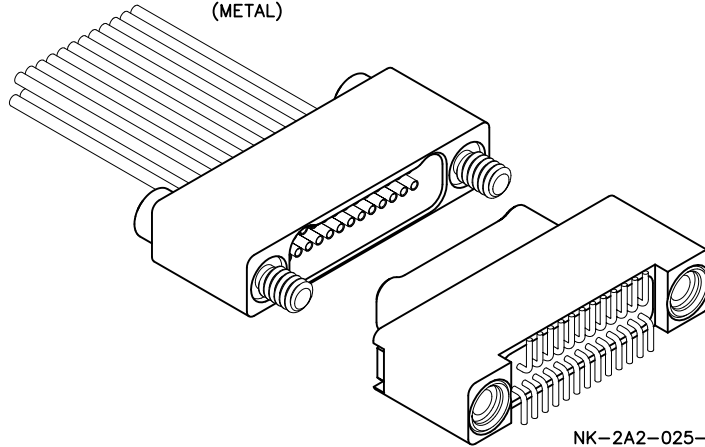
2 · ROW Cable to Board Vertical SMT

.025"

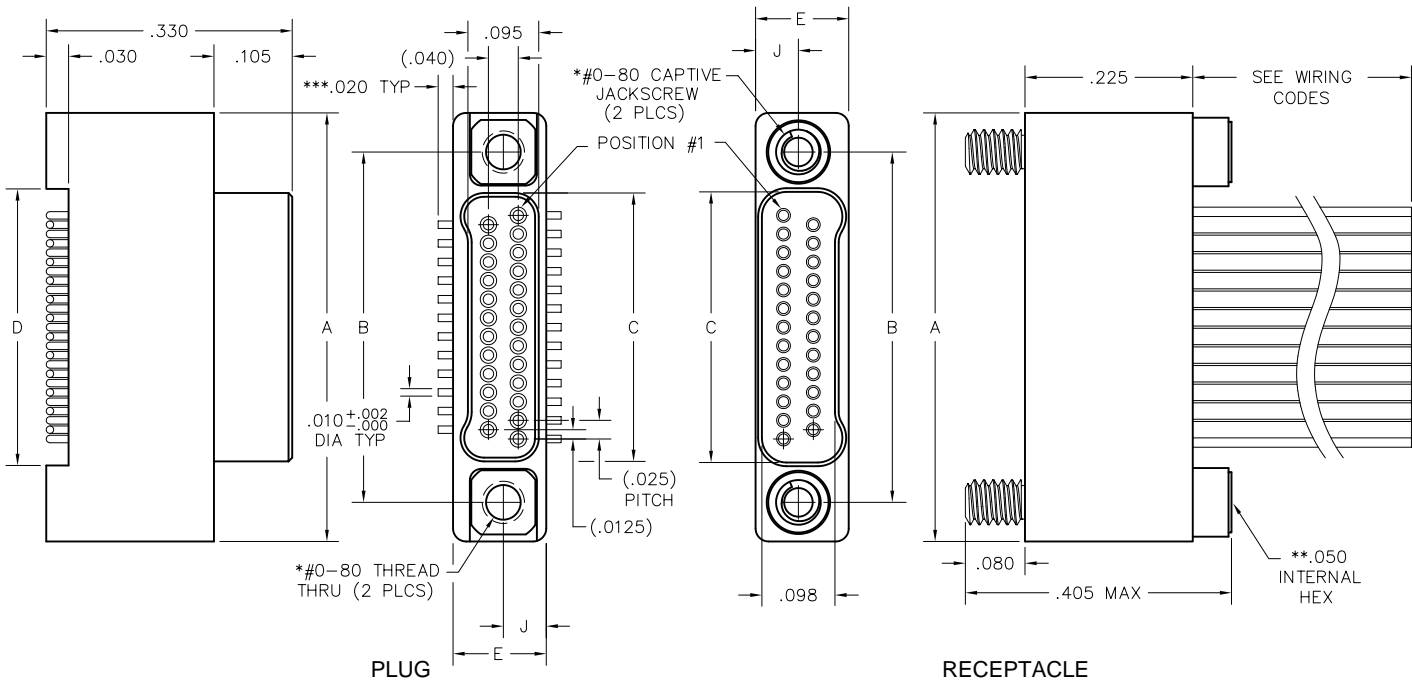
NM, NK

9 thru 91 Contacts

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



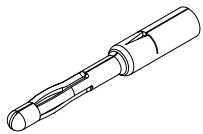
NK-2A2-025-125-TH00
(METAL)



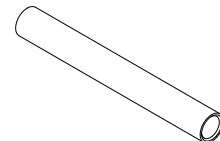
PLUG

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	1.457	1.321	1.185	1.188	1.195			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

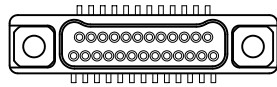
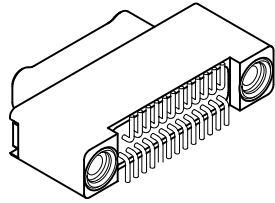
* = #2-56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
 ** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
 *** = DIMENSION CHANGES TO .040" FOR "010" OPTION. SEE PAGE N-48.



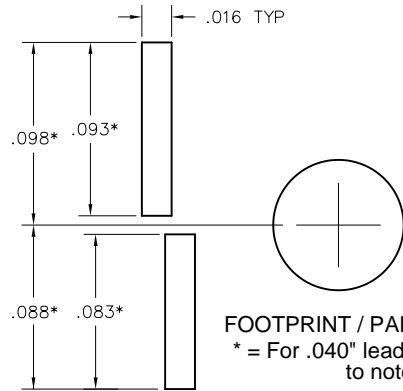
Recommended PC Board Layout

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

No solder mask allowed
 within connector outline



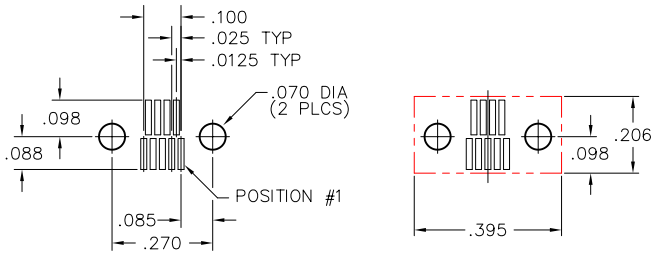
CONNECTOR MATING FACE



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

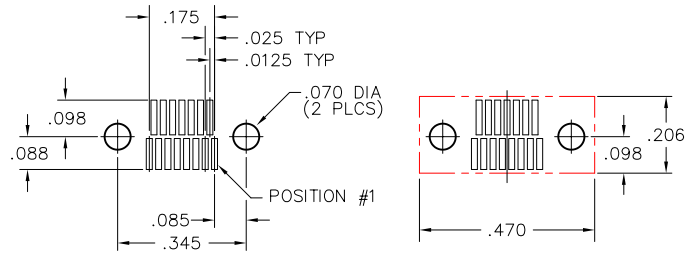
9 POSITION

9 ○○○○ 6
 5 ○○○○ 1



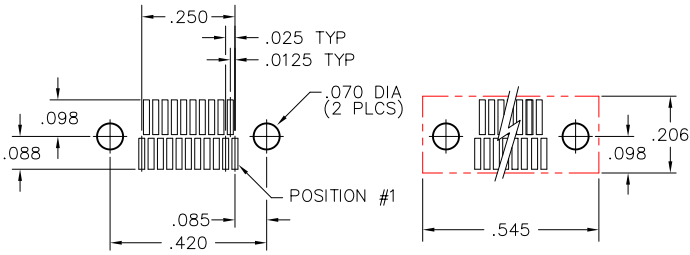
15 POSITION

15 ○○○○○○ 9
 8 ○○○○○○ 1



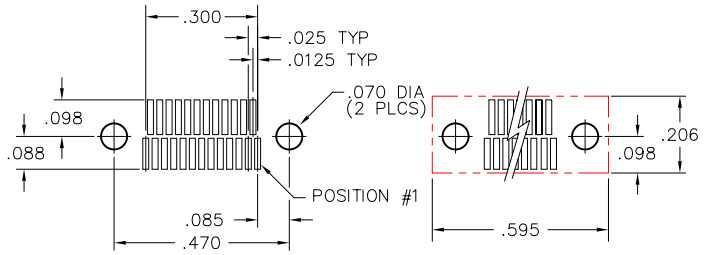
21 POSITION

21 ○○○○○○○○ 12
 11 ○○○○○○○○ 1



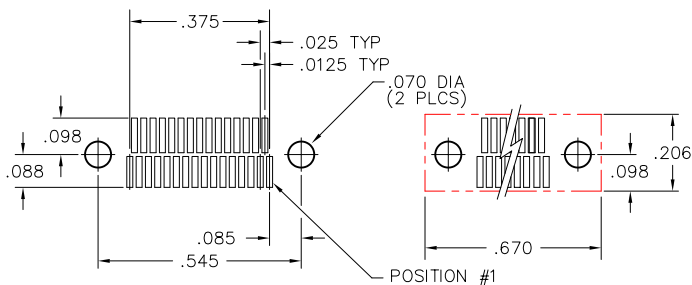
25 POSITION

25 ○○○○○○○○○○ 14
 13 ○○○○○○○○○○ 1



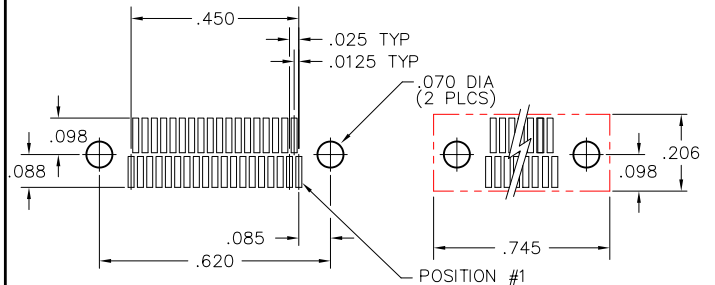
31 POSITION

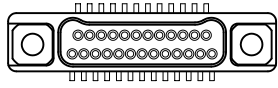
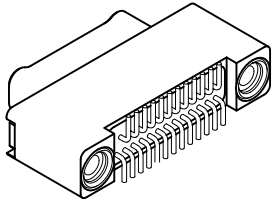
31 ○○○○○○○○○○○○ 17
 16 ○○○○○○○○○○○○ 1



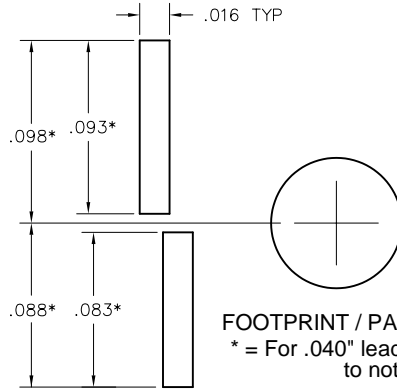
37 POSITION

37 ○○○○○○○○○○○○○○ 20
 19 ○○○○○○○○○○○○○○ 1





CONNECTOR MATING FACE



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

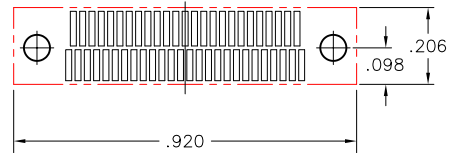
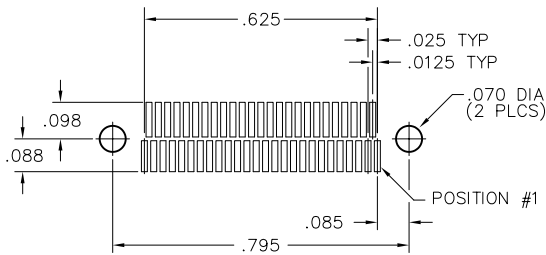
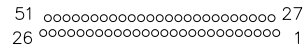


Recommended PC Board Layout

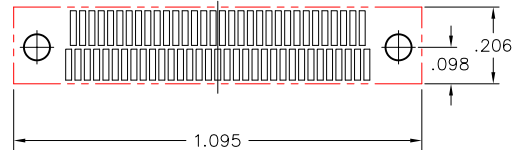
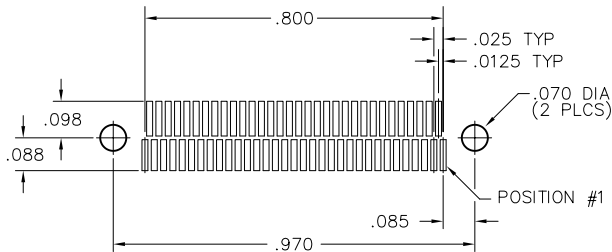
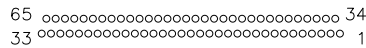
Vertical SMT Plug
 .020 & .040 Lead Envelopes
 FOR REFERENCE ONLY

No solder mask allowed within connector outline

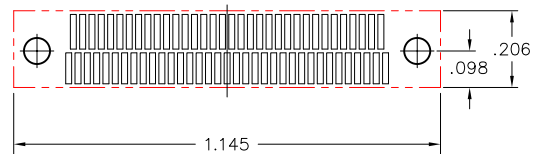
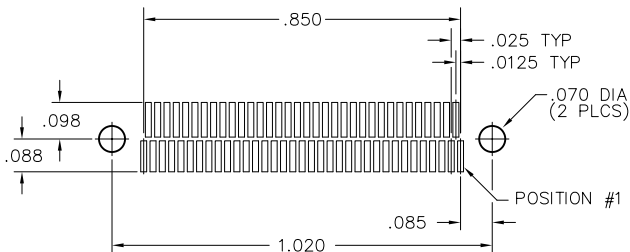
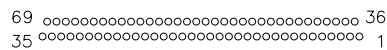
51 POSITION



65 POSITION



69 POSITION

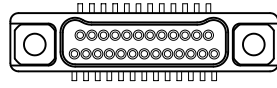
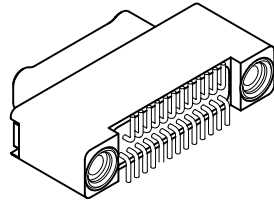




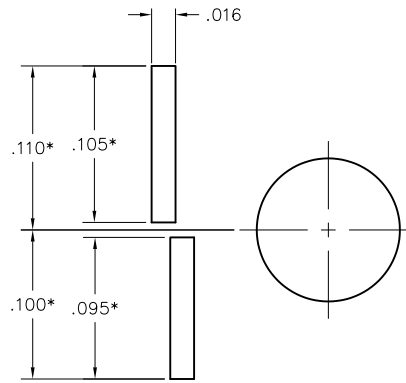
Recommended PC Board Layout

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

No solder mask allowed within connector outline

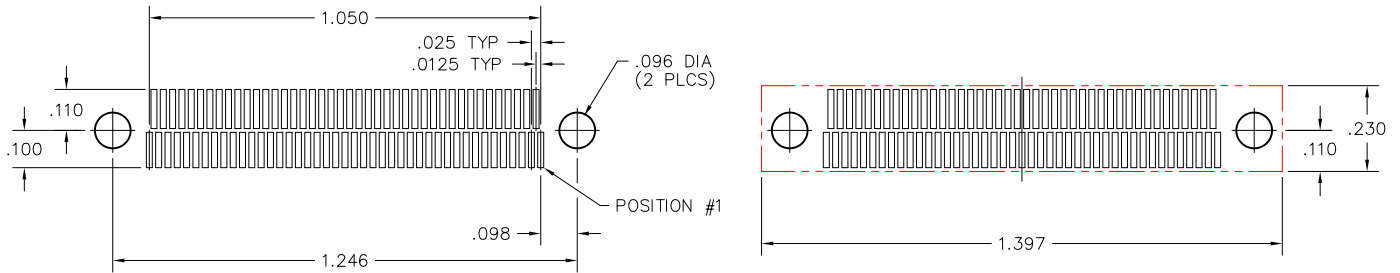
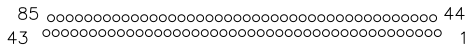


CONNECTOR MATING FACE

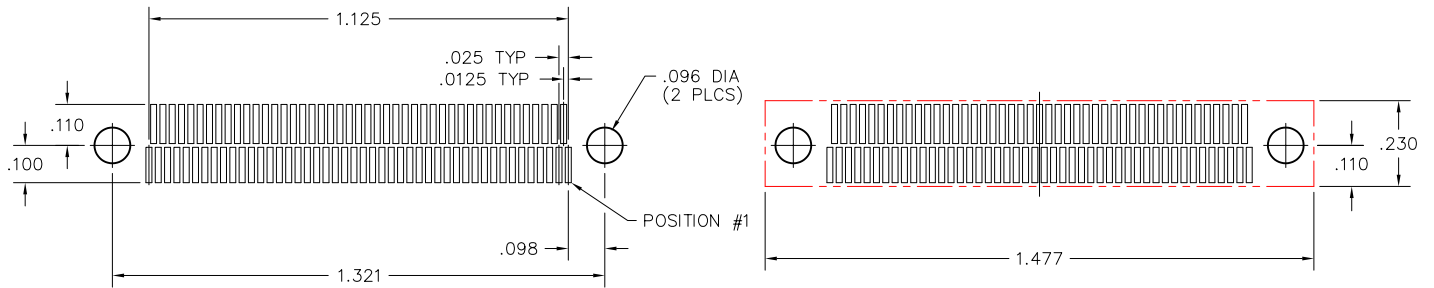
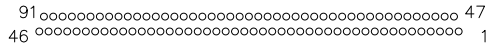


FOOTPRINT / PAD CONFIGURATION
 * = For .040" lead envelope, add .020" to noted dimensions

85 POSITION



91 POSITION



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

PLUG	RECEPTACLE
SERIES	

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

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

2 2-Row	2 2-Row
---------	---------

BODY STYLE: A Plug, vertical mount SMT	BODY STYLE: 2 Receptacle, straight 6 Receptacle, straight, with factory installed backshell (See page NA-3)
--	--

BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>	BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell <input checked="" type="checkbox"/>
---	---

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

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

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

TYPE CONTACTS/TERMINATIONS: 12 Pin, SMT (.020 lead envelope)	TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire
--	---

PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations <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 NA-2
-----------------------------------	--

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

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

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

= Option not RoHS compliant

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