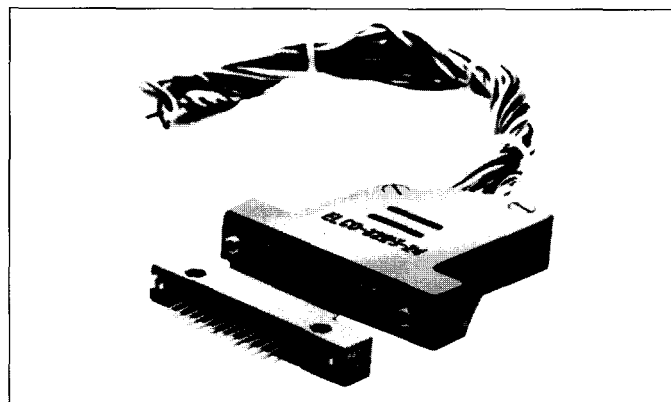


Series 8223 – 0.100" Dual Row Square Grid

FEATURES

- Wide range of contact terminations including wire wrapping, P.C. solder tail, wire hole, wire crimp
- For 1/16", 3/32" P.C. card
- Polarity and keying are built into the connector body to prevent mismatching
- Perpendicular or parallel connector mounting
- Proven Varicon® contact reliability
- Protected male; recessed female contacts
- Conforms to MIL-C-55302 QPL



TECHNICAL SPECIFICATIONS

CONTACTS

Current Rating:
5 amperes with 22 AWG wire

Contact Resistance:
6 milliohms, maximum

Contact Material and Plating:
Phosphor Bronze
Nickel plate, 50 to 100 micro-inches, followed by gold plate.
10 microinches minimum

INSULATORS

Material:
Diallyl Phthalate, glass-filled, flame resistant, per MIL-M-14-F, Type SDGF

Insulation Resistance:
5,000 megohms, minimum

Dielectric Withstanding Voltage:
Sea Level: 1,000 Volts rms

Insertion/Withdrawal Force:
2 to 8 ounces per contact

ORDERING CODE

00

8223

024

000

001

Number of Contacts
024, 048, 072 & 096

Contact Code

Variation Code

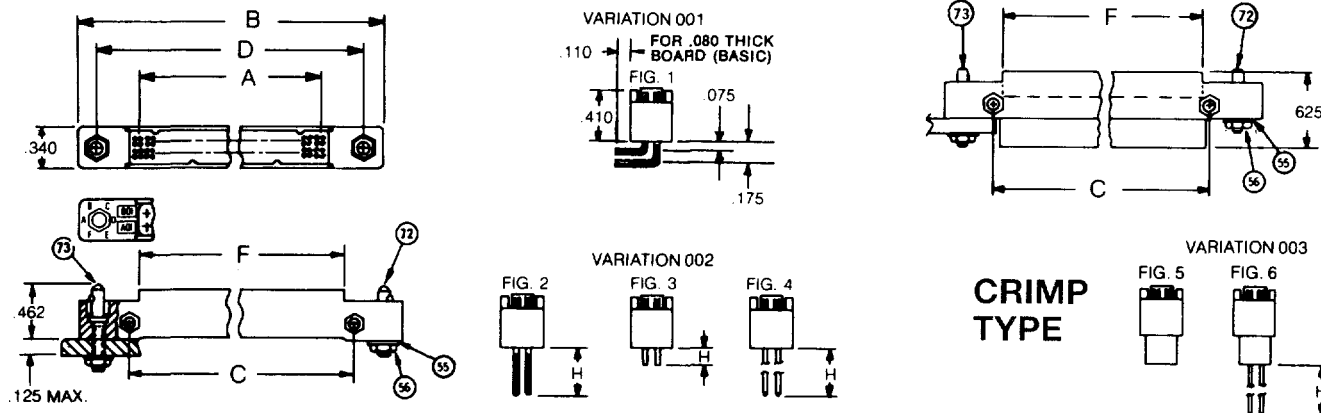
Use three digit code number when contacts are to be factory installed. If contacts are to be supplied loose, or contact tails to be formed, use three zeros (000) in contact code section. Note that the wire crimp tail contacts can only be ordered as separate items by part numbers.

Code	Profile	Description	Part No.	H Dim.	Board Thk.	Fig.
000		Coined Tail Formed 90° after installing (Max. 0236 Diag.)	60 8223 0223 60 8223 0213		.080 .062	1
000		Coined Tail Formed 90° after installing (Max. 0236 Diag.)	60 8223 0243 60 8223 0253		.093	1
473		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0233	.400		2
519		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0213	.279		2
520		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0223	.479		2
558		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0243	.309		2
559		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0253	.509		2
560		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0263	.341		2
561		P.C. Tail Coined (Max. 0236 Diag.)	60 8223 0273	.541		2
722		Wire Hole Tail (.032 x .050)	60 8200 1613	.162		3
721		P.C. Tail .020 Sq.	60 8200 1623	.228		4
736		P.C. Tail .020 Sq.	60 8200 1633	.259		4
737		P.C. Tail .020 Sq.	60 8200 1643	.541		4
753		P.C. Tail .020 Sq.	60 8200 1653	.103		4
771		P.C. Tail .020 Sq.	60 8200 1663	.462		4
000		Crimp Contact (Reel 3000) 22-30 AWG	60 8216 0323			5
000		Crimp Contact (Loose) 22-30 AWG	60 8216 0313			5
491		Wrappable/Removable Contact (.025 Sq.)	60 8216 0413	.560		6

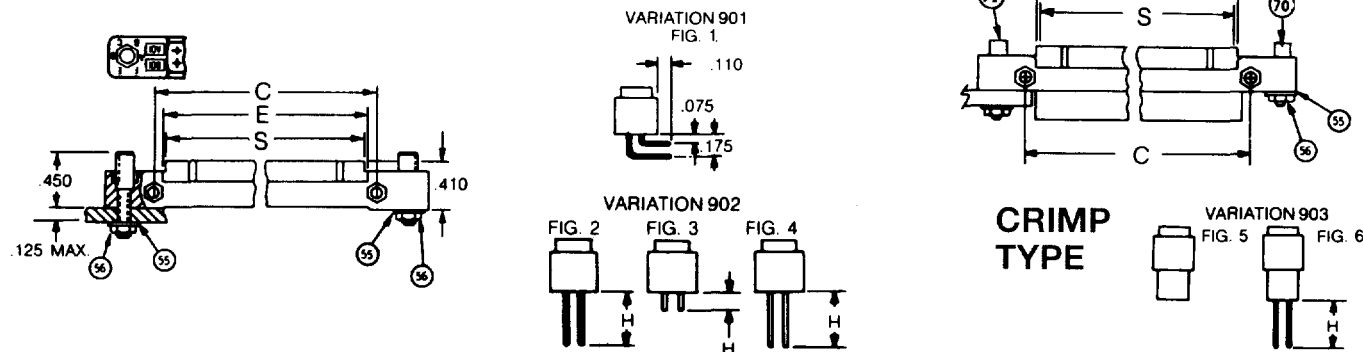
Insulator Type	Variation	Contact Style	Accessories					Refer To Figure	Board Thickness
			Cover	Bracket	Guide Pins Sockets (R)				
					Keying	Threaded Locking	Lkg. Kyg.		
Male (Exposed Contacts)	001	Formed Contact Terminal			X			1	.080 2.03 .062 1.57
	002	PC Terminal			X			2	
		Wire Hole Terminal			X			3	
		PC Straight Terminal			X			4	
		Crimp Contact			X			5	
	003	Wrappable Removable			X			6	
		Formed Contact Terminal			X			1	.093 2.36
	006	Similar to 001				X		7	
	007						X	8	
	008					X		7	
	009	Similar to 002					X	8	
	016					X		7	
017						X	8		
018	Similar to 004				X		7		
019						X	8		
Female (Exposed Contacts)	901	Formed Contact Terminal			X			1	.080 2.03 .062 1.57
	902	PC Terminal			X			2	
		Wire Hole Terminal			X			3	
		PC Straight Terminal			X			4	
		Crimp Contact			X			5	
	903	Wrappable Removable			X			6	
		Formed Contact Terminal			X			1	.093 2.36
	906	Similar to 901				X		15	
	907						X	16	
	908					X		15	
	909	Similar to 902					X	16	
	916					X		15	
	917						X	16	
	918	Similar to 904				X		15	
	919						X	16	
						X	16		

Series 8223 – 0.100" Dual Row Square Grid

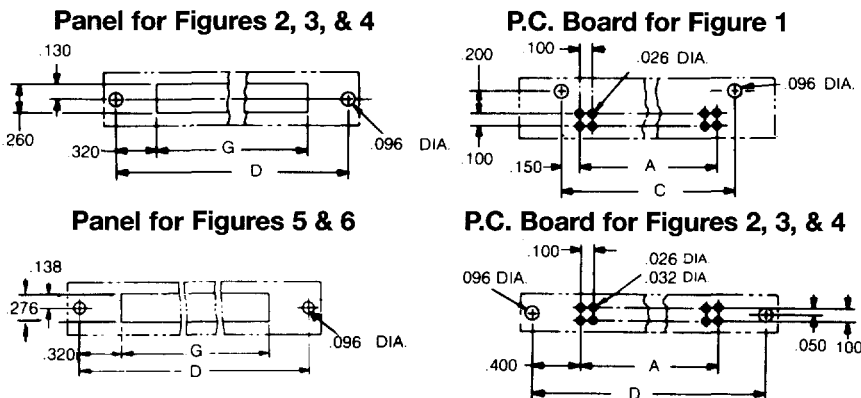
MALE INSULATORS



FEMALE INSULATORS

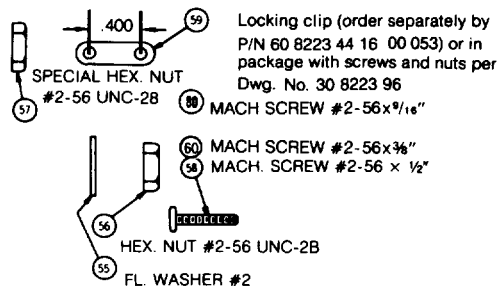


MOUNTING LAYOUT



MOUNTING HARDWARE

(See drawings for correct assembly of hardware.
Hardware shown is supplied with each connector.)



KEY TO DIAGRAMS

No. of Contacts	A	B	C	D	E	F	G	H	S
24	1.1	2.2	1.4	1.9	1.27	1.252	1.26	Pg. 24	1.236
48	2.3	3.4	2.6	3.1	2.47	2.452	2.46	Pg. 24	2.436
72	3.5	4.6	3.8	4.3	3.67	3.652	3.66	Pg. 24	3.636
96	4.7	5.8	5.0	5.5	4.87	4.852	4.86	Pg. 24	4.836

Item	Size	Part # Unified Thread
55	#2	90-0502-0031-11-053
56	#2-5	90-0602-0121-11-053
57	#2-5	90-2137-0185-11-053
58	#2-5	90-0902-0136-11-053
59		60-8223-4416-00-053

Item	Size	Part #
60	#2-5	90-0902-0096-11-053
70	#2-5	60-8223-4562-11-062
71	#2-5	60-8223-4522-11-062
72	#2-5	60-8223-4662-11-062
73	#2-5	60-8223-4662-11-062
80	#2-5	90-0902-0156-11-053