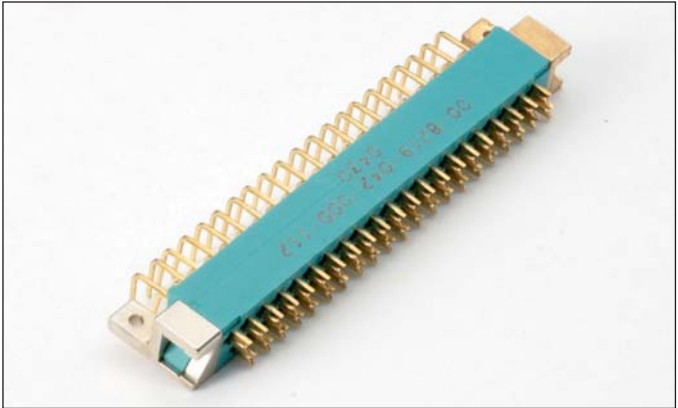


Series 8219 – 0.050" Staggered Dual Row

FEATURES

- For p.c. card-to-card applications
- High contact density
- Low withdrawal force contacts
- Rugged, color coded end guides
- Parallel or perpendicular p.c. board mounting
- Mates with Series 8218



TECHNICAL SPECIFICATIONS

Current Rating:

5 amperes, maximum

Contact Resistance:

6 milliohms, maximum

Contact Material and Plating:

Phosphor Bronze

Gold, 10 microinches minimum,
over nickel, 50 to 100 microinches

Insulator Material:

Diallyl phthalate, glass-filled, flame resistant per MIL-M-14F, Type SDGF.

Guidance Hardware:

Left hand guides: Metal, gold color
Right hand guides: Metal, silver color

Insulation Resistance:

5,000 megohms, minimum

Dielectric Withstanding Voltage:

Sea Level: 1000 Volts rms

3.4" Hg: 500 Volts rms

Insertion/Withdrawal Force:

2 to 8 ounces per contact

ORDERING CODE

00

8219

042

722

001

Number of Contacts
018, 030, 036, 042, 054, 072

Contact Code
(see below)

Variation Code

For Variation = 001

Code No.	Contact Type	"X" Dim.
722	Wire hole tail	.187
721	P. C. solder tail	.250
736	P. C. solder tail	.281
737	P. C. solder tail	.562
753	P. C. solder tail	.125
771	P. C. solder tail	.484

For Variation = 002

Code No.	Contact Type
000	P. C. solder tails formed
722	Wire hole tail unformed

For Variation = 005

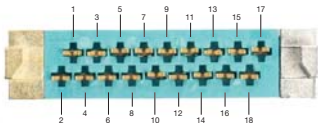
Code No.	Contact Type	"Y" Dim.
722	Wire hole tail	.157
721	P. C. solder tail	.219
736	P. C. solder tail	.250
737	P. C. solder tail	.531
753	P. C. solder tail	.093
771	P. C. solder tail	.453

Without Keying	001 = Receptacle
	002 = Plug, parallel board mounting
	005 = Plug, perpendicular board mounting

NOTE: Connector is supplied with mounting screws or eyelets, as applicable (see drawings).

Contact Factory for Special Variations.

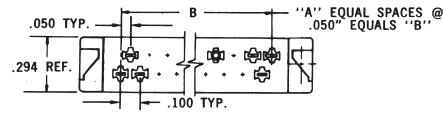
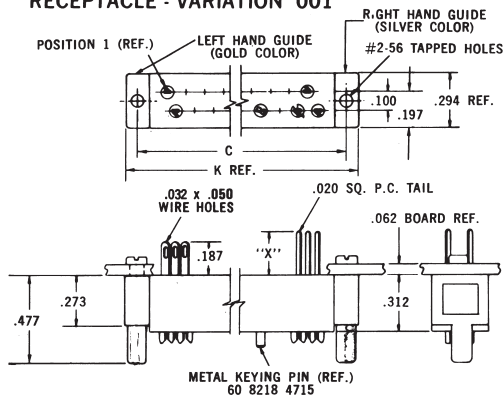
POLARIZING SYSTEM



When Keying is ordered with part number, the Key is installed at the factory.

Series 8219 – 0.050" Staggered Dual Row

RECEPTACLE - VARIATION 001



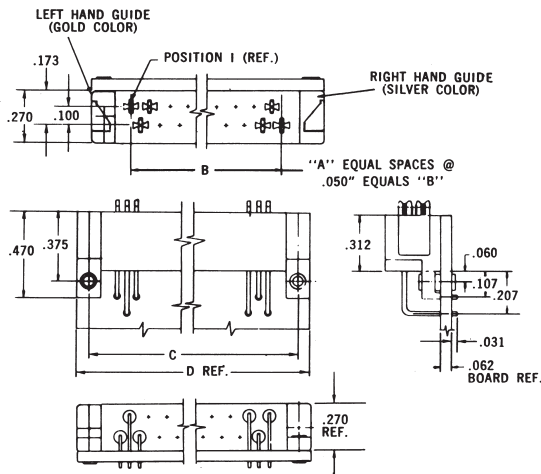
DIMENSIONS:

millimeters (inches)

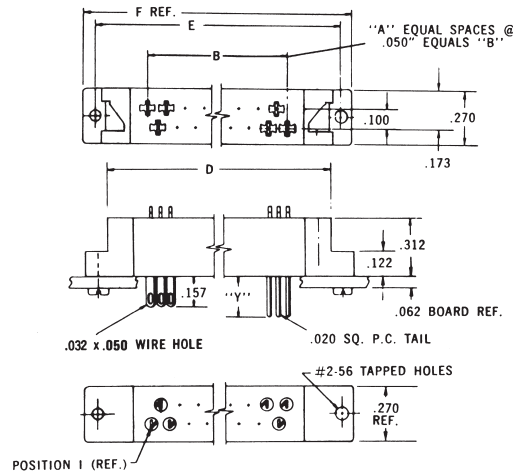
Number of Contacts	A	B	C	Ref. D	E	F	G	Ref. K
18	17	.850 (0.033)	1.150 (0.045)	1.290 (0.051)	1.400 (0.055)	1.540 (0.061)	.964 (0.038)	1.300 (0.051)
30	29	1.450 (0.057)	1.750 (0.069)	1.890 (0.075)	2.000 (0.079)	2.140 (0.084)	1.564 (0.061)	1.900 (0.075)
36	35	1.750 (0.069)	2.050 (0.080)	2.190 (0.086)	2.300 (0.091)	2.440 (0.096)	1.864 (0.073)	2.220 (0.087)
42	41	2.050 (0.080)	2.350 (0.093)	2.490 (0.098)	2.600 (0.102)	2.740 (0.108)	2.164 (0.085)	2.500 (0.098)
54	53	2.650 (0.104)	2.950 (0.116)	3.090 (0.122)	3.200 (0.126)	3.340 (0.131)	2.764 (0.109)	3.100 (0.122)
72	71	3.550 (0.140)	3.850 (0.152)	3.990 (0.157)	4.100 (0.161)	4.240 (0.167)	3.664 (0.144)	4.000 (0.157)

RECEPTACLE 001 MATES WITH PLUGS 002 AND 005

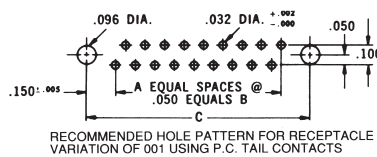
PLUG - VARIATION 002



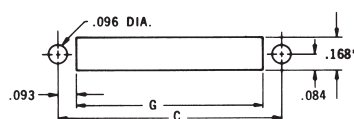
PLUG - VARIATION 005



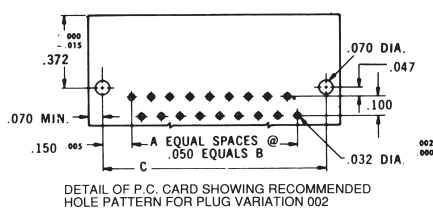
MOUNTING LAYOUTS



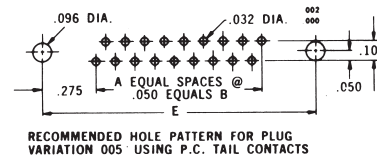
RECOMMENDED HOLE PATTERN FOR RECEPTACLE VARIATION 001 USING P.C. TAIL CONTACTS



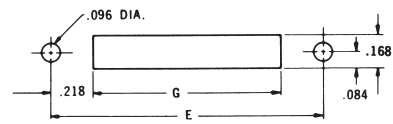
*RECOMMENDED CUTOUT FOR RECEPTACLE VARIATION 001 USING WIRE HOLE CONTACTS



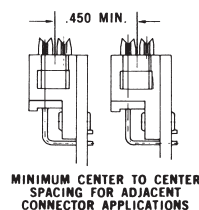
DETAIL OF P.C. CARD SHOWING RECOMMENDED HOLE PATTERN FOR PLUG VARIATION 002



RECOMMENDED HOLE PATTERN FOR PLUG VARIATION 005 USING P.C. TAIL CONTACTS



*RECOMMENDED CUTOUT FOR PLUG VARIATION 005 USING WIRE HOLE CONTACTS



*When used in metal panel with Code Contact 722 cut out diam. Is .210".