

# 3M™ Pak 8 Socket Connector

0.8 mm, Vertical, Surfacemount, 3 mm to 8 mm Stack Height

P08 Series



- 0.8 mm pitch connector system
- Mated heights available from 3 mm to 8 mm
- Surface mount design
- Locking mechanism with audible click when fully mated
- Tape and reel with suction covers available for automated assembly placement
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of [www.3Mconnectors.com](http://www.3Mconnectors.com) for compliance information (RIA E1 & C1 apply)

Date Modified: July 9, 2012

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## Physical

### Insulation

Material: High Temp Thermo Plastic

Flammability: UL 94V-0

Color: Natural

### Contact:

Material: Copper Alloy

### Plating:

Underplating: 50  $\mu$ " [1.25  $\mu$ m] Nickel

Wiping Area: 8  $\mu$ " [ 0.20  $\mu$ m ] Gold

Solder Tails: Gold Flash

Mating Compatibility: P08 Series Plugs. TS-1096

## Electrical

**Current Rating:** 0.5 A

**Voltage Rating:** 60 V<sub>AC/DC</sub>

**Insulation Resistance:** 10<sup>3</sup> M $\Omega$  min. at 500 V<sub>DC</sub>

**Withstanding Voltage:** 250 V<sub>AC</sub> for 1 minute

## Environmental

**Temperature Rating:** -55°C to +85°C

**Process Rating:** 260°C (profile per J-STD-020)

**Moisture Sensitivity Level:** MSL 1 (per J-STD-020)

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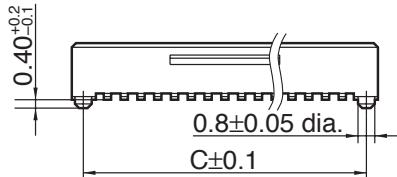
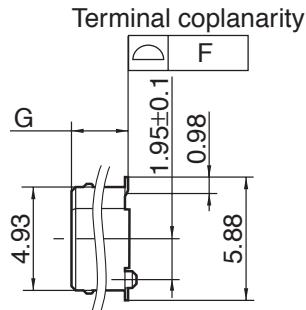
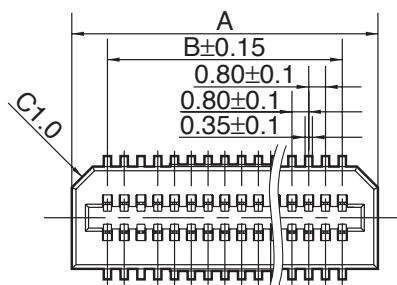
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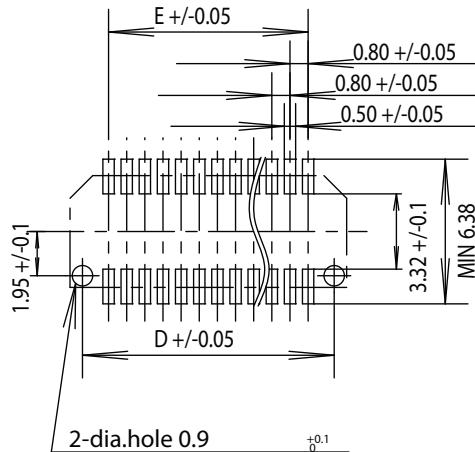
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Recommended PC board pattern  
(TOP VIEW)



No of Contacts	A	B	C	D	E	F
16	9.0	5.6	7.9	7.9	5.6	0.1
20	10.6	7.2	9.5	9.5	7.2	0.1
24	11.4	8.8	11.1	11.1	8.8	0.1
26	13.0	9.6	11.9	11.9	9.6	0.1
30	14.6	11.2	13.5	13.5	11.2	0.1
40	18.6	15.2	17.5	17.5	15.2	0.1
50	23.4	19.2	21.5	21.5	19.2	0.15
60	27.4	23.2	25.5	25.5	23.2	0.15
80	35.4	31.2	33.5	33.5	31.2	0.15
100	43.4	39.2	41.5	41.5	39.2	0.15

## Dimensions

Not Available:  
16 Contact: B Socket & C Plug (5, 6, 7 and 8 mm)  
24 Contact: B Plug (4 and 7 mm)

		Stack Height When Mated To:		
Skt Type	Dim G	A Plug	B Plug	C Plug
A	2.2	3	4	5
B	5.2	6	7	8

Tolerance Unless Noted		
mm	(inch)	
.0	.00	.000

(\*) Dimensions used for Reference Only

## Ordering Information

P08 - XXX - SLXX - X - G (RIA E1 & C1 apply)

Contact Quantity  
See Table

Packaging:  
T = Tape & Reel (opt)  
Blank = Tube Pack

Height Options:  
A = 2.2 mm Height  
B = 5.2 mm Height (Excludes 16 Contact)

Vacuum Pickup:  
C = Adhesive Suction Cover  
M = Molded suction cover (preferred for RoHS processes)  
Blank = None  
(M options require Tape and Reel Packaging)

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