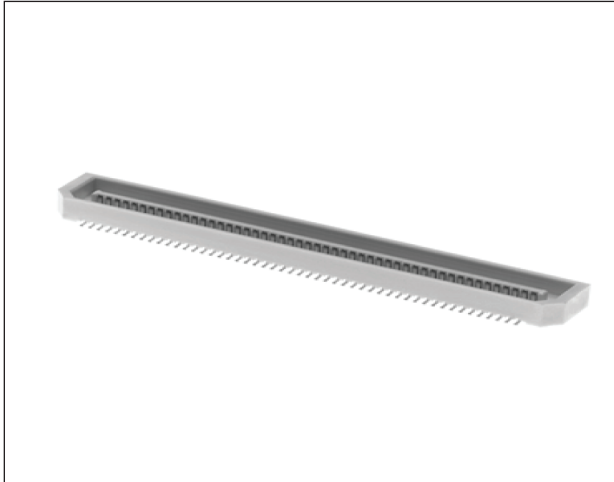


# 3M™ Pak 8 Plug Connector

0.8 mm, Vertical, Surfacemount, 3 mm Stack Height

P08 Series



- 0.8 mm pitch connector system
- 3 mm mated stack height
- 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: February 23, 2017

TS-1096-G  
Sheet 1 of 2

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## Physical

### Insulation

Material: High Temp Thermo Plastic  
Flammability: UL 94V-0  
Color: Natural

### Contact:

Material: Copper Alloy

### Plating:

Underplating: 50 μ" [1.25 μm] Nickel  
Wiping Area: 8 μ" [0.20 μm] Gold  
Solder Tails: Gold Flash

Mating Compatibility: P08 Series Sockets. TS-1150

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## Electrical

**Current Rating:** 0.5 A

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

**Insulation Resistance:** 10<sup>3</sup> MΩ min. at 500 V<sub>DC</sub>

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

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## Environmental

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

**Process Rating:** 245°C (profile per J-STD-020)

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



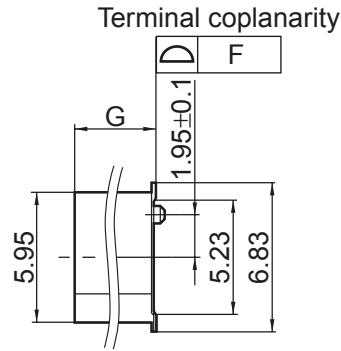
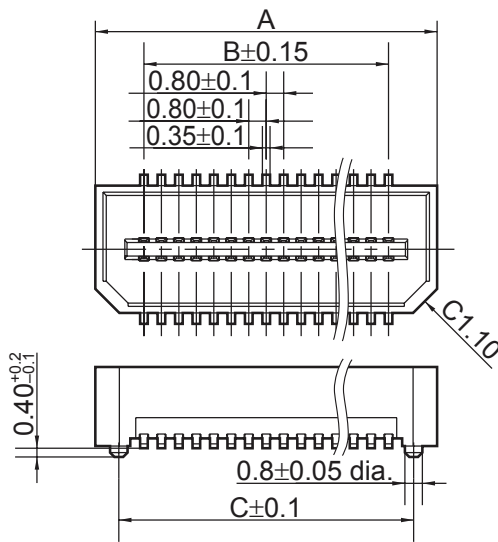
Electronics Materials Solutions Division  
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# 3M™ Pak 8 Plug Connector

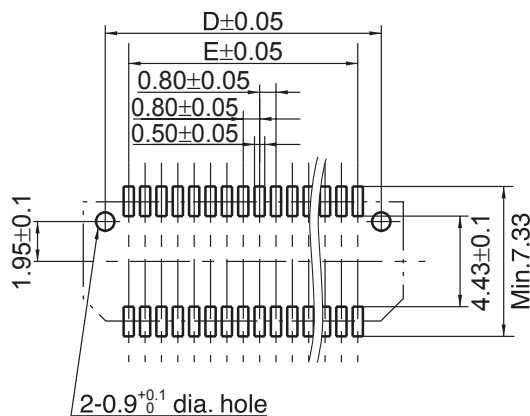
0.8 mm, Vertical, Surfacemount, 3 mm Stack Height

P08 Series



## Dimensions

No of Contacts	A	B	C	D	E	F
20	11.65	7.2	9.5	9.5	7.2	0.1



## Stacking Matrix

		Stack Height When Mated To:
Plug Type	Dim G	A Skt
A	2.72	3

mm (inch)			
Tolerance Unless Noted			
	.0	.00	.000
mm	±.3	±.3	

( ) Dimensions used for Reference Only

## Ordering Information

**P08 - XXX - PLXX - A - G** (RIA E1 & C1 apply)

Contact Quantity  
See Table

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

Height Options:  
A = 2.72 mm Height

C = Suction Cover  
Blank = none

TS-1096-G  
Sheet 2 of 2

**Regulatory:** For regulatory information about this product, contact your 3M representative.

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