

1-2201196-0 ✓ ACTIVE

TE Internal #: 1-2201196-0

PCB Mount Header, Vertical, Board-to-Board, 10 Position, .4 mm [.015 in] Centerline, Gold, Surface Mount, Signal, Black

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **10**

Number of Rows: **2**

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Dielectric Withstanding Voltage (Max)	250 VAC
Insulation Resistance	2 MΩ
Operating Voltage	30 VAC

### Body Features



Connector Profile	Low
Primary Product Color	Black

### Contact Features

PCB Contact Termination Area Plating Material Thickness	.05 $\mu\text{m}$ [1.968 $\mu\text{in}$ ]
Contact Layout	Inline
Mating Tab Width	.27 mm[.01 in]
Mating Tab Thickness	.06 mm[.002 in]
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
	4 $\mu\text{in}$
Contact Type	Pin
Contact Current Rating (Max)	.3 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.06 mm[.002 in]
Rectangular Termination Post & Tail Width	.15 mm[.005 in]
Termination Method to Printed Circuit Board	Surface Mount

### Mechanical Attachment

PCB Mount Alignment Type	None
Mating Alignment	With
Mating Alignment Type	Polarized
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

### Housing Features

Mating Entry Location	Top
Centerline (Pitch)	.4 mm[.015 in]
Housing Material	LCP (Liquid Crystal Polymer)

### Dimensions

Connector Height	.76 mm[.029 in]
Row-to-Row Spacing	.82 mm
Stack Height	.98 mm[.038 in]



### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Assembly Process Feature	Vacuum Cover
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	5000
Packaging Type	Tape & Reel

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

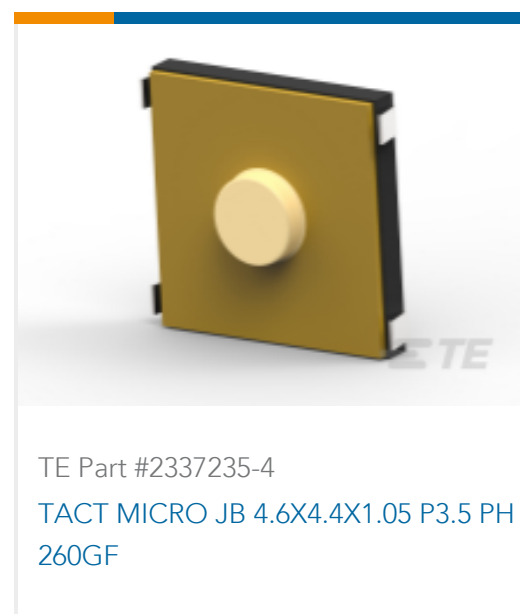
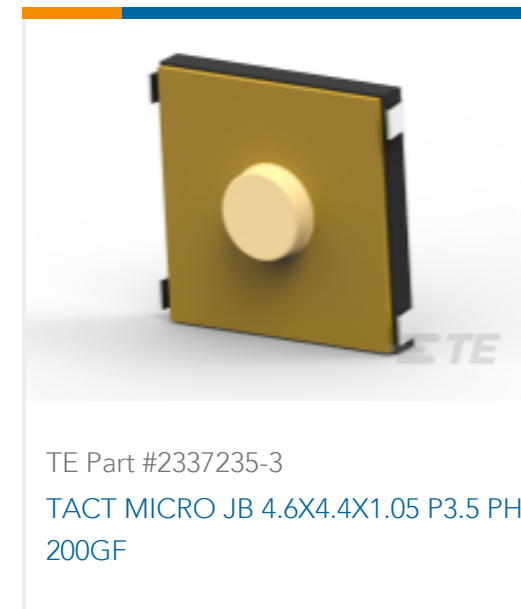
#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



## Customers Also Bought



## Documents

### Product Drawings

0.4 STACKING CONN H0.98 PLUG ASSEMBLY

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2201196-0\_F.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2201196-0\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2201196-0\\_F.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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## Product Specifications

[Product Specification](#)

Japanese

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## Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

Japanese