



**STRADA**

TE Internal #: 5-2057471-1

PCB Mount Receptacle, Vertical, Board-to-Board, 199 Position, 3.04 mm / 6.09 mm [.24 in / .12 in] Centerline, Gold, Through Hole - Press-Fit

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **199**

Centerline (Pitch): **3.04 mm, 6.09 mm [ .12 in, .24 in ]**

**Features**

**Product Type Features**

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

**Configuration Features**

|                              |          |
|------------------------------|----------|
| Pairs per Column             | 8        |
| Number of Power Positions    | 6        |
| Number of Pairs              | 32       |
| Number of Loaded Positions   | 193      |
| Stackable                    | Yes      |
| Number of Signal Positions   | 8        |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 199      |
| Board-to-Board Configuration | Parallel |

**Electrical Characteristics**

|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 750 VAC |
| Insulation Resistance                 | 1000 MΩ |
| Impedance                             | 100 Ω   |
| Operating Voltage                     | 250 VAC |

**Signal Characteristics**



|           |         |
|-----------|---------|
| Data Rate | 16 Gb/s |
|-----------|---------|

### Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

### Contact Features

|  |                                   |
|--|-----------------------------------|
| Contact Layout                                       | Staggered                         |
| Mating Tab Width                                     | .69 mm, 4.5 mm [.027 in][.177 in] |
| Mating Tab Thickness                                 | .3 mm, .41 mm [.011 in][.015 in]  |
| PCB Contact Termination Area Plating Material Finish | Matte                             |
| PCB Contact Termination Area Plating Material        | Tin                               |
| Contact Base Material                                | Copper Alloy                      |
| Contact Mating Area Plating Material                 | Gold                              |
| Contact Mating Area Plating Material Thickness       | 1.27 $\mu$ m [50 $\mu$ m]         |
| Contact Type   | Socket                            |
| Contact Current Rating (Max)                         | 1.5 A                             |

### Termination Features

|   |                                   |
|---|-----------------------------------|
| Rectangular Termination Post & Tail Thickness | .15 mm, .2 mm [.005 in][.008 in]  |
| Rectangular Termination Post & Tail Width     | .43 mm, .74 mm [.016 in][.029 in] |
| Termination Post & Tail Length                | 2.05 mm [.08 in]                  |
| Termination Method to Printed Circuit Board   | Through Hole - Press-Fit          |

### Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Mating Retention        | With        |
| Mating Alignment        | With        |
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |

### Housing Features

|                    |                                   |
|--------------------|-----------------------------------|
| Centerline (Pitch) | 3.04 mm, 6.09 mm [.12 in][.24 in] |
| Housing Material   | LCP (High Temp Thermoplastic)     |

### Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Height            | 4.49 mm [.177 in] |
| Stack Height                | 28 mm [1.102 in]  |
| PCB Thickness (Recommended) | .06 mm [.8 in]    |



### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

### Operation/Application

|                          |                |
|--------------------------|----------------|
| Assembly Process Feature | None           |
| Circuit Application      | Power & Signal |

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 32      |
| Packaging Type     | Package |

### 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                      |
| Solder Process Capability                     | Not applicable for solder process capability  |

#### 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

TE Part # 6-2057470-1  
STRADA MESA,HD,ST,032,084,06,SN,  
Y,11

TE Part # 6-2227706-1  
SM,HD,ST,032,084,06,SN,Y,11 (new tip)

TE Part # 7-2057470-3  
STRADA MESA,HD,ST,032,084,06,SN,  
Y,23

TE Part # 7-2057470-8  
STRADA MESA,HD,ST,032,084,06,SN,  
Y,28

TE Part # 9-2057470-0  
STRADA MESA,HD,ST,032,084,06,SN,  
Y,40

TE Part # 6-2057470-9  
STRADA MESA,HD,ST,032,084,06,SN,  
Y,19

TE Part # 7-2057470-5  
STRADA MESA,HD,ST,032,084,06,SN,  
Y,25

## Customers Also Bought

TE Part #640456-2  
02P MTA100 HDR ASSY F/L SQ STR

TE Part #2198318-6  
zSFP+ STACKED 2X1 RECEPTACLE  
ASSEMBLY

TE Part #9-2176307-7  
RP 1E 0.1W 124K 0.1% 25PPM 5K RL

TE Part #8-2176421-7  
TLRP 2512 2.0W R050 1% 75PPM 4K RL

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-2057471-1\\_A.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-2057471-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-2057471-1\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)



English

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[Product Environmental Compliance](#)

[TE Material Declaration](#)

English