



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **100**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

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

Configuration Features

|                       |             |
|-----------------------|-------------|
| Stackable             | No          |
| PCB Mount Orientation | Right Angle |
| Number of Positions   | 100         |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Operating Voltage     | 250 VAC |
| Insulation Resistance | 1 MΩ    |

Body Features

|                                        |                 |
|----------------------------------------|-----------------|
| PCB Retention Feature Material         | Brass           |
| PCB Retention Feature Plating Material | Tin over Nickel |
| Connector Profile                      | Standard        |

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .5 μm[19.7 μin] |
|------------------------------------------------|-----------------|



|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Mating Tab Width                                        | .8 mm[.031 in]  |
| PCB Contact Termination Area Plating Material Thickness | 1 µm[39.4 µin]  |
| Contact Shape & Form                                    | Single Tine     |
| Contact Layout                                          | Inline          |
| Contact Mating Area Length                              | 6.6 mm[.259 in] |
| Contact Base Material                                   | Phosphor Bronze |
| Mating Tab Thickness                                    | .32 mm[.013 in] |
| PCB Contact Termination Area Plating Material           | Tin             |
| Contact Mating Area Plating Material                    | Gold (Au)       |
| Contact Type                                            | Tab             |
| Contact Current Rating (Max)                            | 1 A             |

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Width     | .5 mm[.02 in]         |
| Rectangular Termination Post & Tail Thickness | .32 mm[.013 in]       |
| Termination Post & Tail Length                | 3.1 mm[.122 in]       |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

|                          |                          |
|--------------------------|--------------------------|
| Mating Alignment Type    | Polarized                |
| PCB Mount Retention Type | Boardlock, Retention Leg |
| PCB Mount Retention      | With                     |
| PCB Mount Alignment      | Without                  |
| Connector Mounting Type  | Board Mount              |
| Mating Alignment         | With                     |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Nylon - GF      |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Dimensions

|                  |                 |
|------------------|-----------------|
| Connector Height | 7.5 mm[.295 in] |
|------------------|-----------------|

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|



Industry Standards

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 60   |
| Packaging Method   | Tray |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                    |

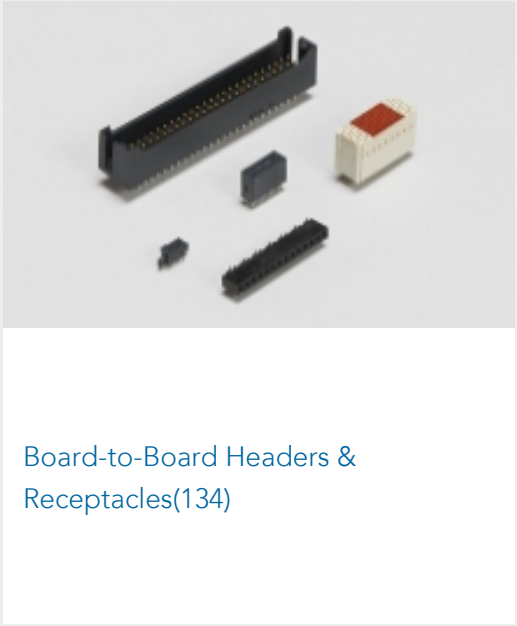
Product Compliance Disclaimer

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>

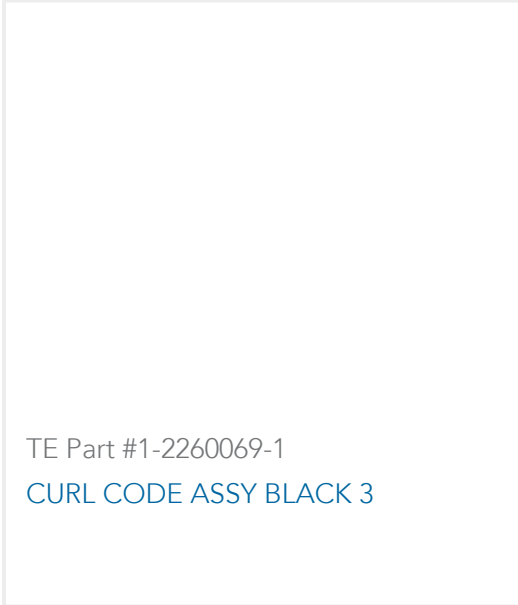
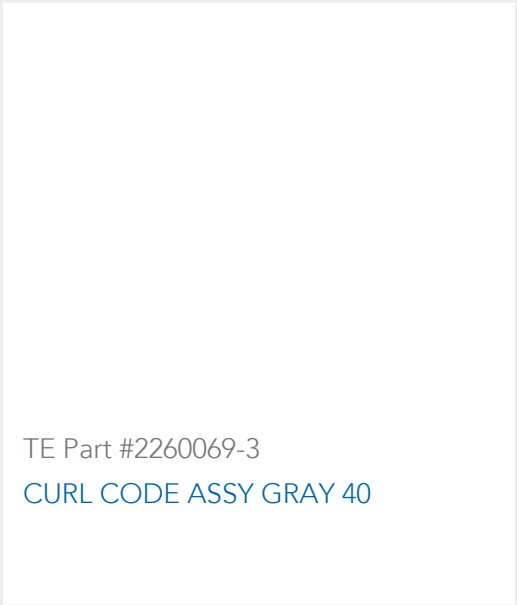
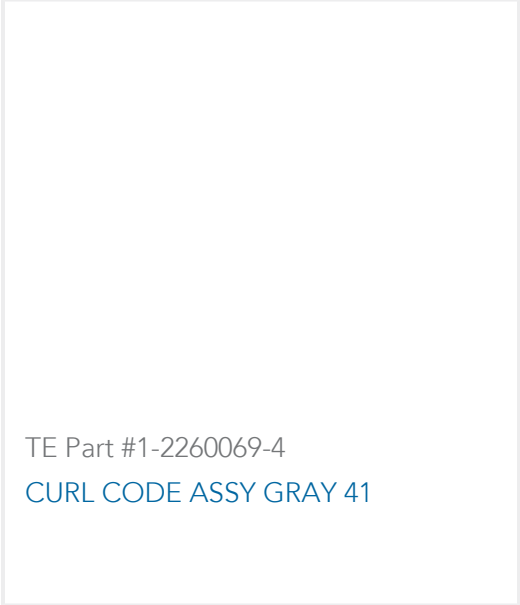
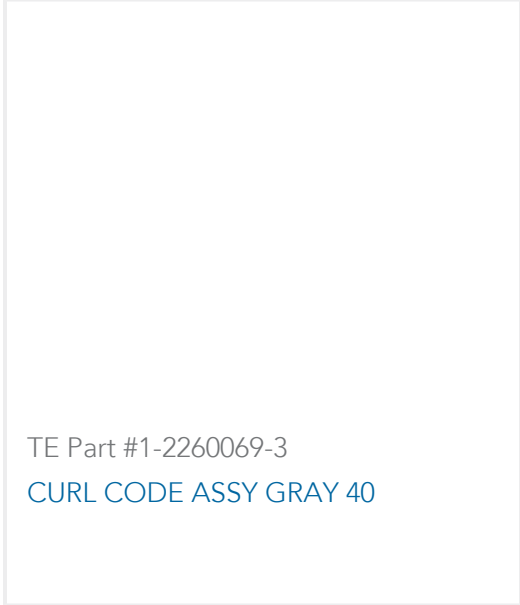
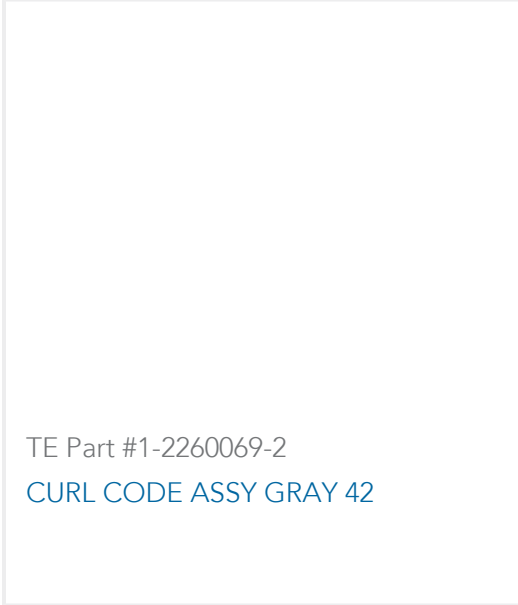
Compatible Parts



Also in the Series | CHAMP .050 Series I



Customers Also Bought





Documents

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_4-5175472-0\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_4-5175472-0\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_4-5175472-0\_O.3d\_stp.zip

English

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Product Specifications

Product Specification

English