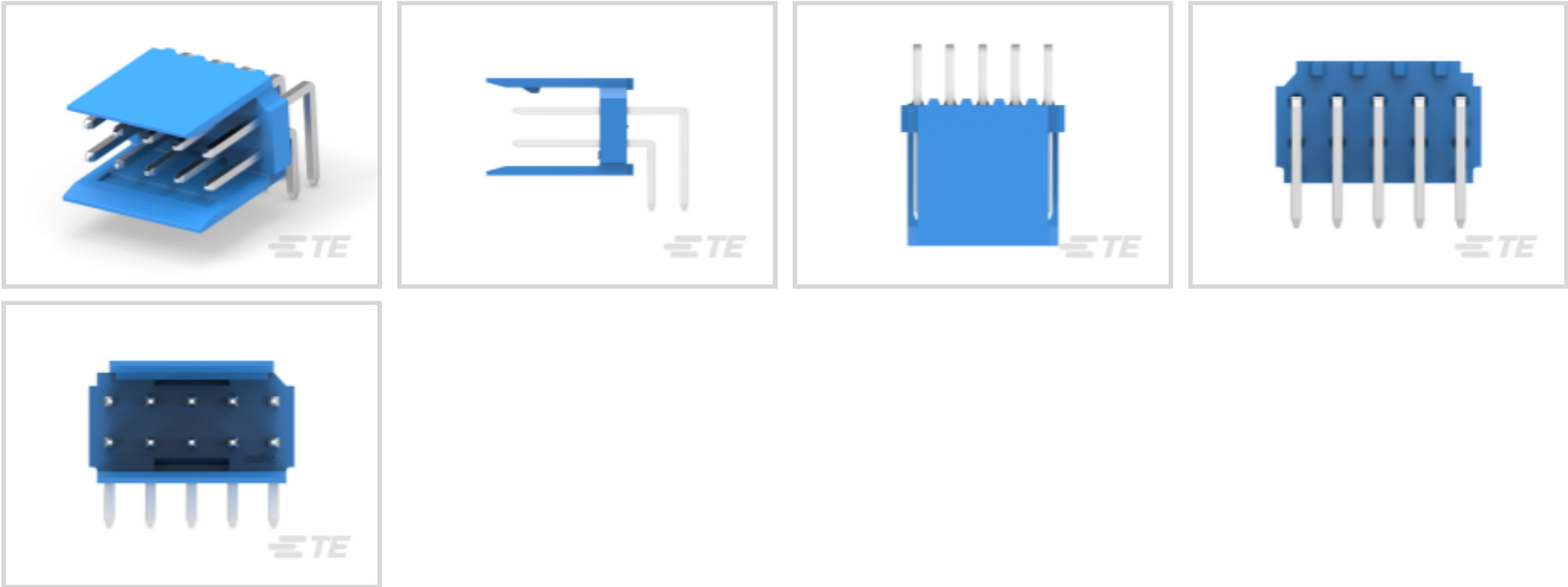




Connectors > PCB Connectors > PCB Headers & Receptacles > HE13/HE14 TH Headers, DRRA



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **2**

[All HE13/HE14 TH Headers, DRRA \(14\)](#)

Features

Dimensions

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Insulation Resistance                 | 1000 MΩ |
| Dielectric Withstanding Voltage (Max) | 500 V   |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 2000 |
| Packaging Method   | Box  |

Mechanical Attachment

|                       |              |
|-----------------------|--------------|
| Panel Mount Feature   | Without      |
| Mating Retention      | With         |
| Mating Alignment Type | Polarization |
| PCB Mount Retention   | Without      |



|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
| Mating Alignment        | With        |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 2.9 mm                |
| Square Termination Post & Tail Dimension | .63 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Underplating Material                  | Nickel          |
| Contact Mating Area Plating Material Thickness | .8 μm[31 μin]   |
| Mating Square Post Dimension                   | .64 mm[.025 in] |
| Contact Shape & Form                           | Square          |
| Contact Mating Area Length                     | 7 mm            |
| Contact Base Material                          | Phosphor Bronze |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Mating Area Plating Material Finish    | Matte           |
| Contact Mating Area Plating Material           | Tin             |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Housing Features

|                    |                                |
|--------------------|--------------------------------|
| Housing Material   | High Temperature Thermoplastic |
| Centerline (Pitch) | 2.54 mm[.1 in]                 |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Right Angle  |
| Number of Positions              | 10           |
| Number of Rows                   | 2            |

Product Type Features

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



Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 100 °C[-40 – 212 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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

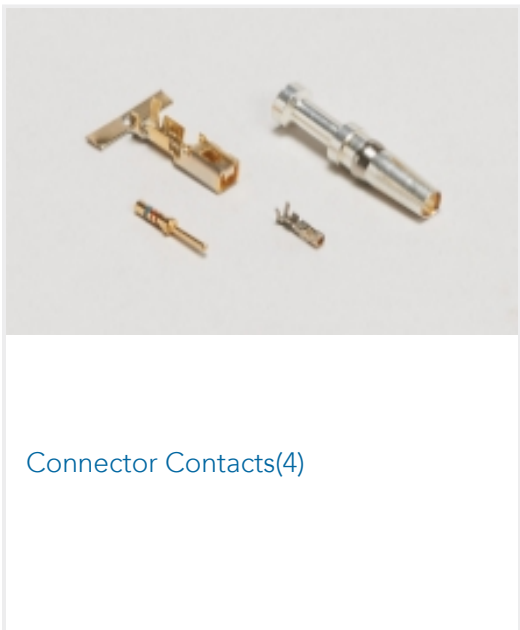


TE Part # 281839-5  
HOUSING HE13 HE14 COSI 2X5 P

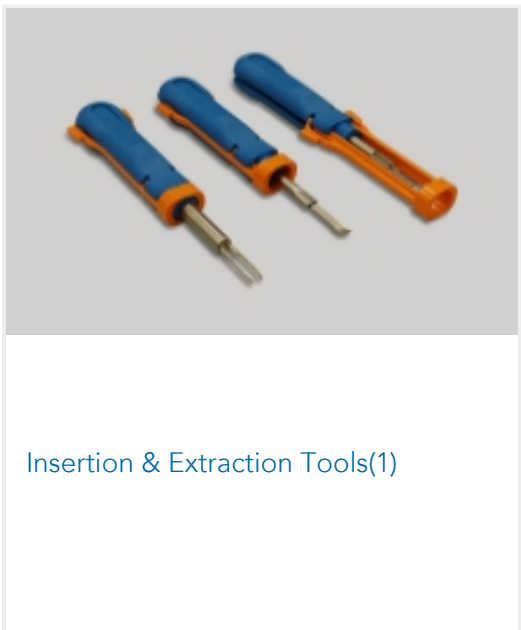


TE Part # 281792-5  
PLUG HE14 IDC 180 2X5 P AWG 28-26

Also in the Series | AMPMODU HE 13/HE 14



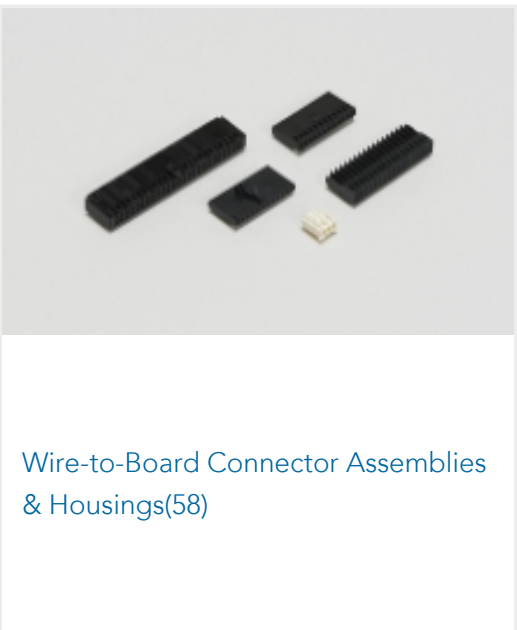
Connector Contacts(4)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(66)



Wire-to-Board Connector Assemblies & Housings(58)



Wire-to-Board Headers & Receptacles (66)

Customers Also Bought



TE Part #5747845-5  
15 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #2205070-1  
CA MICRO-MATCH MOW-PB 8POS



TE Part #281839-4  
HOUSING HE13 HE14 COSI 2X4 P



TE Part #281698-3  
HEADER HE14 RA 3 P



TE Part #2-1761605-3  
IDC LOW PRO HDR 10P RA BLUE

TE Part #3-2176310-2  
RP 1E 0.1W 226R 0.1% 25PPM 1K RL

TE Part #2-1761605-6  
IDC LOW PRO HDR 16P RA BLUE

TE Part #4-6474612-9  
FSN-23A-30

TE Part #1SNA176708R1600  
BJMI5DR

TE Part #4-2176607-4  
RLC73PD 3A R158 1% 1K RL

Documents

Product Drawings

HEADER HE14 RA 2X5 P

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_281742-5\_G.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_281742-5\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_281742-5\_G.3d\_stp.zip

English

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

Product Specifications

Product Specification

French