



Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Headers



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

Sealable: **No**

Shielded: **No**

PCB Mount Orientation: **Vertical**

Number of Positions: **1**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Mixed & Hybrid Connector          | No                    |
| Connector System                  | Cable-to-Board        |
| Sealable                          | No                    |

Configuration Features

|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 1        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 800 VAC |
| Impedance         | 50 Ω    |

Signal Characteristics

|                           |              |
|---------------------------|--------------|
| Operating Frequency Range | 0 – 6000 MHz |
|---------------------------|--------------|

Body Features

|                                        |                          |
|----------------------------------------|--------------------------|
| PCB Retention Feature Plating Material | Tin                      |
| Body Material                          | Glass Filled Nylon, Zinc |
| Connector & Keying Code                | B                        |

Contact Features

|                                |       |
|--------------------------------|-------|
| Outer Contact Plating Material | Other |
|--------------------------------|-------|



|                                              |               |
|----------------------------------------------|---------------|
| RF Connector Center Contact Plating Material | Other         |
| Contact Mating Area Plating Material         | Gold (Au)     |
| Center Contact                               | With          |
| Contact Type                                 | Pin           |
| Mating Pin Diameter                          | .5 mm[.02 in] |
| Contact Current Rating (Max)                 | 1 A           |

Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

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

Housing Features

|               |       |
|---------------|-------|
| Housing Color | Cream |
|---------------|-------|

Dimensions

|                  |                  |
|------------------|------------------|
| Product Width    | 7.5 mm[.295 in]  |
| Product Length   | 13.8 mm[.543 in] |
| Connector Height | 11.45 mm[.45 in] |

Usage Conditions

|                             |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| Operating Temperature (Max) | 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[221 °F] |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F]                                       |

Operation/Application

|                     |                       |
|---------------------|-----------------------|
| Solder Process      | Reflow Solder Capable |
| Shielded            | No                    |
| Circuit Application | Signal                |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 300  |
| Packaging Method   | Reel |

Other

|                     |     |
|---------------------|-----|
| Dielectric Material | PCT |
|---------------------|-----|



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: JAN 2025 (247)<br>Not Yet Reviewed                     |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability                     | Not reviewed 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Also in the Series | FAKRA RF Connector System



Automotive Connector EMC Shielding (3)



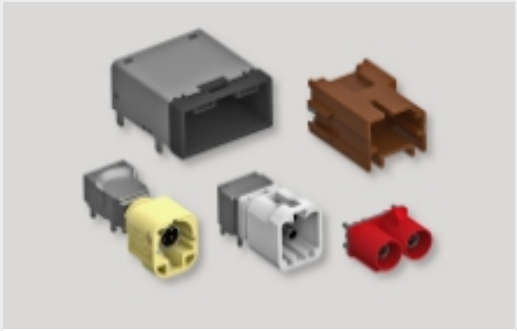
Automotive Connector Locks & Position Assurance(8)



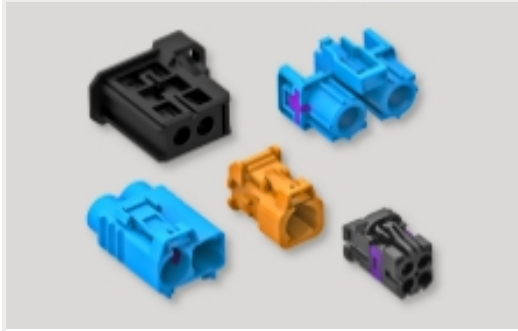
Automotive Headers(1)



Coax Connectors(1)



Data Connectivity Headers(361)



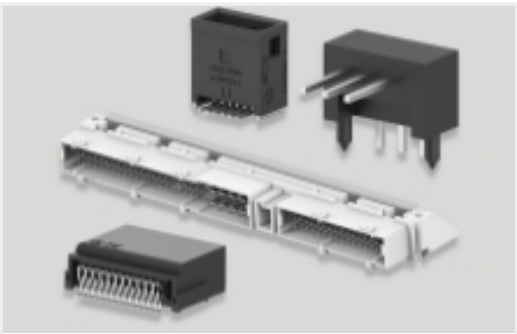
Data Connectivity Housings(430)



Infotainment & Multimedia Cable Assemblies(1)

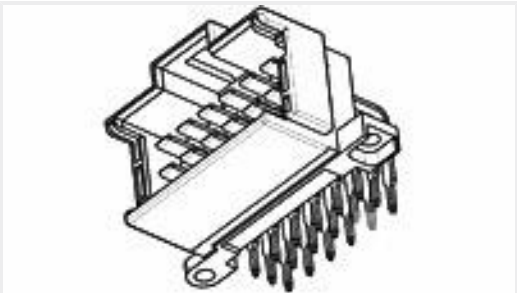


Other Automotive Connector Accessories(26)



PCB Headers & Receptacles(1)

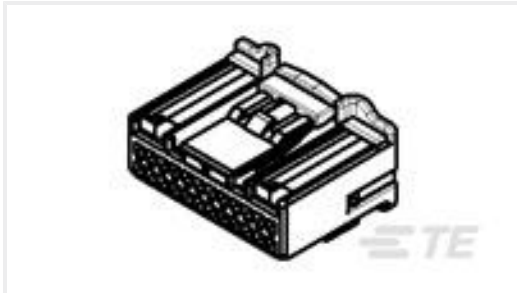
Customers Also Bought



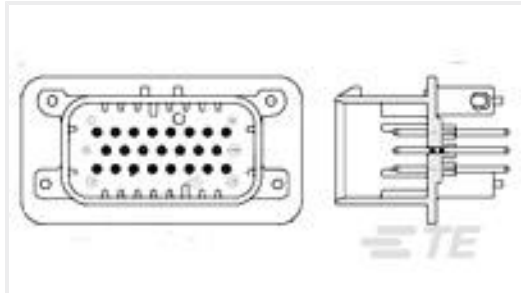
TE Part #9-966140-2  
MESSERLEISTE 15P



TE Part #1565917-4  
EMBOSS ASSY DDR2 SODIMM  
SOCKET 200P 5.2H



TE Part #1379668-1  
24W PLUG HSG ASSY BLACK



TE Part #776231-1  
35POS,PIN DIA 1.3,HDR ASSY,  
180DEG,COD 1



TE Part #1-1462039-8  
IM06DGR=IM RELAY 140mW 12V



TE Part #T4141512041-000  
M12,REAR MOUNTING,FEMALE,D  
CODE,4P



TE Part #1630184-3  
YP10 18K 5%



TE Part #CAT-SIGH262  
Signal Header



Documents

Product Drawings

MALE ASM, 1 POS, VERT, PCB, KEY B

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-2203452-2\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2203452-2\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2203452-2\_D.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