



TE Internal #: 2301838-2  
Receptacle, Cable-to-Board, 9 Position, 2.77 mm [.109 in]  
Centerline, 2 Row, 1 Connector Shell Size, Straight, Vertical, PCB D-Sub Connectors  
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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**  
Connector System: **Cable-to-Board**  
Number of Positions: **9**  
Centerline (Pitch): **2.77 mm [.109 in]**  
Number of Rows: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Cable-to-Board        |
| Connector Shell Size              | 1                     |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 9        |
| Number of Rows        | 2        |
| PCB Mount Orientation | Vertical |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 2.77 mm[.109 in] |
|--------------------|------------------|

Dimensions

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 2.84 mm[.112 in] |
|--------------------|------------------|

Contact Features

|                      |          |
|----------------------|----------|
| Contact Shape & Form | Straight |
|----------------------|----------|



|                              |           |
|------------------------------|-----------|
| Contact Current Rating (Max) | 1.5 A     |
| Contact Options              | Installed |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Retention      | With           |
| PCB Mount Retention Type | Boardlock      |
| Mating Retention         | With           |
| Mating Retention Type    | 4-40 Screwlock |
| Connector Mounting Type  | Board Mount    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Other

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

Termination Features

|                                  |                       |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | .6 mm[.023 in]        |
| Termination Method to PCB        | Through Hole - Solder |

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                     | 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 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 # 2301826-2  
AMPL PLUG HD20, VERT, 9P, B/L,4-40  
S/LOC

Customers Also Bought

TE Part #1462037-1  
IM01GR=IM RELAY 140mW 3V

TE Part #2301836-1  
AMPL PLUG HD20, VERT, 37P, B/L,4-40  
S/LO

TE Part #8-640925-1  
RECEPT,PIDG FASTON 22-18 110

TE Part #4-794629-6  
16P MICRO MNL ASSY,R/A,SMT,LF

TE Part #2-1734248-4  
1.0 FPC, ZIF V/T, SMT, 24P

TE Part #CV25852001  
RW-175-E Heat Shrink Tubing

TE Part #2102515-2  
Fortis Zd 2PR EMI Assy RA 93/7 SnPb  
Tail

TE Part #2301835-2  
AMPL PLUG HD20, VERT, 25P, B/L,4-40  
S/LO

TE Part #7-1437142-2  
FSN-22A-8=NOMEX FS STD

Documents

Product Drawings





AMPL REC HD20, VERT, 9P, B/L,4-40 S/LOCK

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2301838-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2301838-2\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2301838-2\_B.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