



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **16**

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

Features

Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Connector Product Type            | Connector Assembly |
| Connector & Housing Type          | Receptacle         |
| Connector System                  | Cable-to-Board     |
| Sealable                          | No                 |
| Connector & Contact Terminates To | Wire & Cable       |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 16 |
| Number of Rows      | 2  |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 10 VDC |
|-------------------|--------|

Body Features

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

Contact Features

|                               |        |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|



|                              |              |
|------------------------------|--------------|
| Contact Layout               | Matrix       |
| Contact Base Material        | Copper Alloy |
| Contact Type                 | Receptacle   |
| Contact Current Rating (Max) | 1.6 A        |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Retention Type   | Locking Latch              |
| Mating Retention        | With                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

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

Dimensions

|                    |                 |
|--------------------|-----------------|
| Wire Size          | 30 AWG          |
| Row-to-Row Spacing | 1.27 mm[.05 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

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

Packaging Features

|                  |      |
|------------------|------|
| 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: JAN 2025 (247) |



Candidate List Declared Against: JUNE 2024 (241)  
Does not contain REACH SVHC

|                           |  |
|---------------------------|--|
| Halogen Content           | Not Yet Reviewed for halogen content       |
| 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 # 474321-E  
SMCQ 16 M AB VV 8-03 CL \* H007 137 E005



TE Part # 534183-E  
SMCQ 16 M AB VV 8-13 CL \* H007 137 E005



TE Part # 254414-E  
SMCQ 16 M AB VV 8-23 CL \* H007 137 E005



TE Part # 254587-E  
SMCQ 16 M AB VV 8-13 CL \* H007 137 E005



TE Part # 464824-E  
SMCQ 16 M AB VV 8-13 CL \* H007 137 E005



TE Part # 254536-E  
SMCQ 16 M AB VV 8-03 CL \* H007 137 E005



TE Part # 354094-E  
SMCB 16 M AB VV 7-03 CL \* 0007 137 E004

Customers Also Bought



TE Part #223822-E

STVC 87 F ABC 0422 7-00 0606 17,0 \* 247

TE Part #2-917542-2

DYNAMIC D-5 S/ROW HDR ASY 4P V

TE Part #394305-E

M12 FEMALE, A CODE, 8P, 17MM SMT

TE Part #464431-E

M8 FEMALE, A CODE, 3P, 16.25MM SMT

TE Part #L000641-01

COIL ANT, SMT, 13.56MHZ NFC

TE Part #2176421-1

TLRP 2512 2.0W R010 1% 75PPM 4K RL

TE Part #1-338070-0

MICRO-MATCH FEM.SE

TE Part #244934-E

M12 MALE, A CODE, 5P, 10.5MM SMT

TE Part #834898-E

SCH SCHE O-RING 10,0X1,0 NBR SCHWARZ M 1

TE Part #3-2176490-9

HCL165 100W 27R 5% Cable 300mm

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_294813-E\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_294813-E\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_294813-E\_C.3d\_stp.zip

English

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

Product Specifications

SMC\_Receptacle\_with\_Ribbon\_Cable\_IDC\_and\_Header

English