

TE Internal #: 294813-E

Connector Assembly, Receptacle, Cable-to-Board, 16 Position, 1.27 mm [.05 in] Centerline, Insulation Displacement (IDC), 2 Row, Black,

Wire & Cable

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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**

### **Contact Features**

Contact Underplating Material	Nickel
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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	

### **Product Compliance**

Packaging Method

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)

Tray



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









# 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

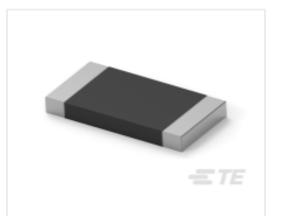


TE Part #394305-E M12 FEMALE, A CODE, 8P, 17MM SMT





TE Part #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







### **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