



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

Number of Positions: **20**

Centerline (Pitch): **2.54 mm [.1 in ]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Ribbon Cable Connector Type       | Female-on-Board       |
| Connector Product Type            | Connector Assembly    |
| Connector System                  | Cable-to-Board        |
| Connector & Housing Type          | Receptacle            |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 20       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 1000 MΩ |
| Operating Voltage     | 100 VAC |

Body Features

|                       |          |
|-----------------------|----------|
| Primary Product Color | Red      |
| Connector Profile     | Standard |

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 μm[118.11 – 196.85 μin] |
| Contact Layout                                          | Staggered                     |



|                                                      |                               |
|------------------------------------------------------|-------------------------------|
| Contact Type                                         | Receptacle                    |
| Contact Mating Area Plating Material Thickness       | 3 – 5 µm[118.11 – 196.85 µin] |
| Contact Mating Area Plating Material                 | Tin                           |
| PCB Contact Termination Area Plating Material Finish | Matte                         |
| Contact Mating Area Plating Material Finish          | Matte                         |
| Contact Underplating Material                        | Nickel                        |
| PCB Contact Termination Area Plating Material        | Tin                           |
| Contact Base Material                                | Phosphor Bronze               |
| Contact Current Rating (Max)                         | 1.5 A                         |

Termination Features

|                                             |               |
|---------------------------------------------|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---------------------------------------------|---------------|

Mechanical Attachment

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

Housing Features

|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Bottom         |
| Housing Material      | PA 4.6 GF      |
| Centerline (Pitch)    | 2.54 mm[.1 in] |

Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 1.5 mm[.059 in] |
|--------------------|-----------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

|                    |            |
|--------------------|------------|
| UL Rating          | Recognized |
| Agency/Standard    | UL         |
| Approved Standards | UL E28476  |



UL Flammability Rating

UL 94V-0

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1200 |
| Packaging Method   | Reel |

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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Reflow solder capable to 260°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 # CAT-M5833-M2934  
Male-on-Board Connector, Micro-MaTch

TE Part # CAT-M5833-M2934A  
Male-on-Wire Connector, Micro-MaTch

TE Part # 2-338095-0  
MICRO-MATCH COSI HSG

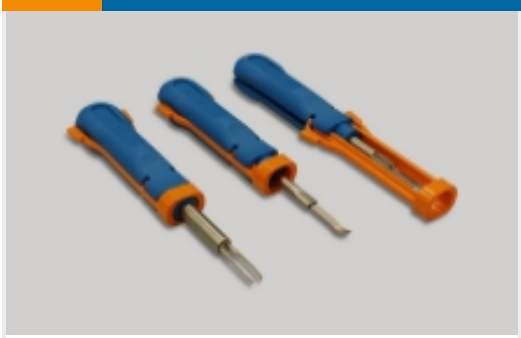




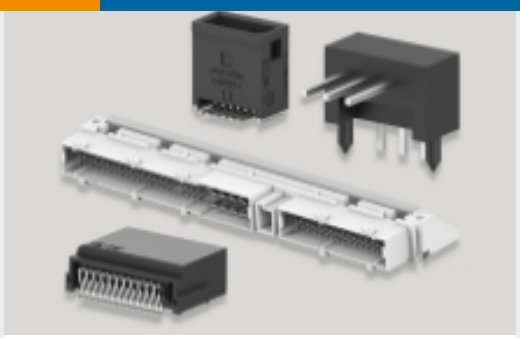
Also in the Series | Micro-MaTch Industrial



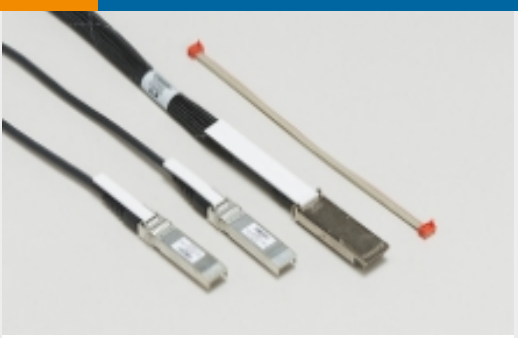
Board-In Connectors(20)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(185)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #280592  
AMPMODU I RECEPTACLE HOUSING.



TE Part #280593  
AMP MODU MOD I RECEPT HSG



TE Part #280361  
AMPMODU II REC. HSG, SINGLE ROW 8 POS



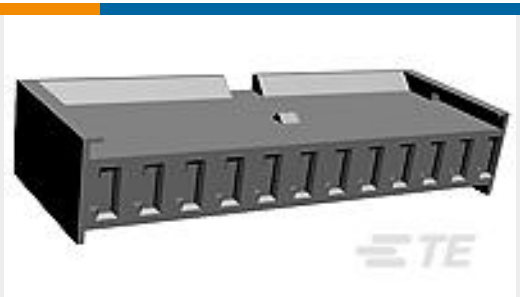
TE Part #926898-1  
UNIV.M-N-L.PIN



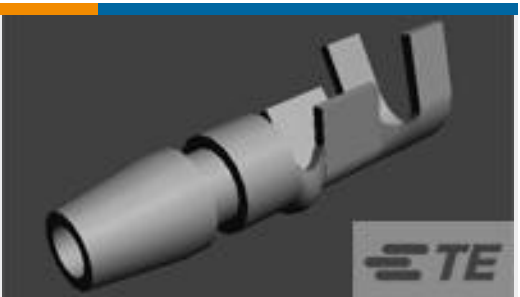
TE Part #350715-4  
06P UMN PLUG HSG UL94VO



TE Part #280591  
AMPMODU MODU I REC HOUSING



TE Part #280595  
AMP MODU MOD I RECEPT HSG



TE Part #170020-2  
SHUR PLUG 20-14 MM2 TPBR



TE Part #170021-2  
SHUR PLUG RECEPTACLE 20-16 AWG TPBR



Documents

Product Drawings

M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_9-188431-0\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-188431-0\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-188431-0\_E.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Micro-MaTch Catalog

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English