7-188431-6 ✔ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-188431-6

Ribbon Cable Connectors, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial

View on TE.com >

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



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

Number of Positions: **6**

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	6
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
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1200
Packaging Method	Reel

Product Compliance

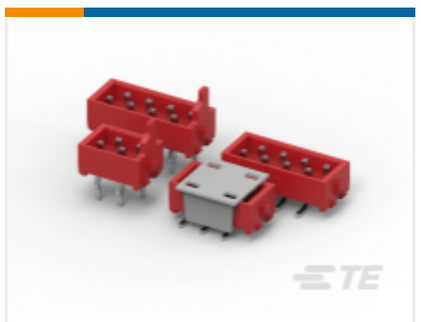
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 338095-6
MICRO-MATCH COSIHSG

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(21)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

Customers Also Bought



TE Part # 206705-1
CPC RECP. ASY SIZE 13-9



TE Part # 3-2176070-5
3521 270R 1% 2W



TE Part # 9-215083-0
MICRO-MATCH MOW.20P



TE Part # 1624213-2
23SE 10KB 6.35X50FL B7 CAT



TE Part # 6-1393243-3
RT424012



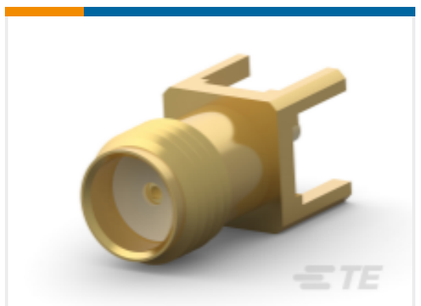
TE Part # 1-770166-1
02P MINI UMNL ASSY VO SNAU LF



TE Part # 42115-4
250 FASTON TAB TPBR



TE Part # 3-2176343-3
CRGCQ 1206 4K7 1%



TE Part # 5-1814832-2
SMA Str PCB Skt GZD

Documents

Product Drawings

MM 6p FIB SMD connector

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-188431-6_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-188431-6_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-188431-6_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

Micro-MaTch Catalog

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English