8-215079-6 ✔ ACTIVE

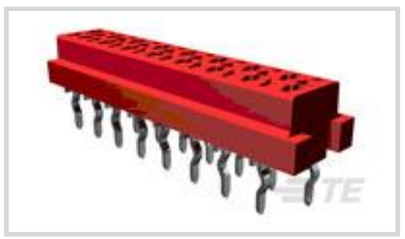
Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 8-215079-6

Ribbon Cable Connectors, Wire-to-Board / Board-to-Board, 16 Position, 1.27 mm [.05 in] Centerline, Vertical, Micro-MaTch Industrial

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Female-on-Board Connector, Top Entry



Connector System: **Board-to-Board, Wire-to-Board**

Number of Positions: **16**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Kinked Solder Tails**

All Female-on-Board Connector, Top Entry (67)

Features

Product Type Features

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

Configuration Features

Number of Positions	16
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Daisy Chain	Without
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 Type	Socket
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 Shape & Form	Dual Beam
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	PBT GF
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	22.4 mm[.881 in]

Connector Height	4 mm[.16 in]
PCB Thickness (Recommended)	1.6 mm[.062 in]
Row-to-Row Spacing	2 mm[.059 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
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	250
Packaging Method	Box & Carton

Product Compliance

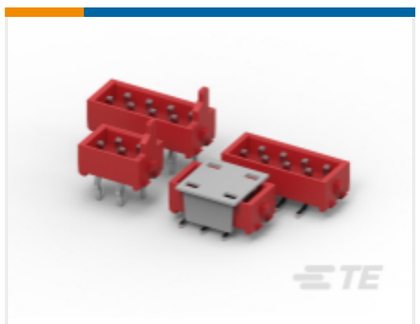
For compliance documentation, visit the product page on TE.com>

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	Wave solder capable to 265°C

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

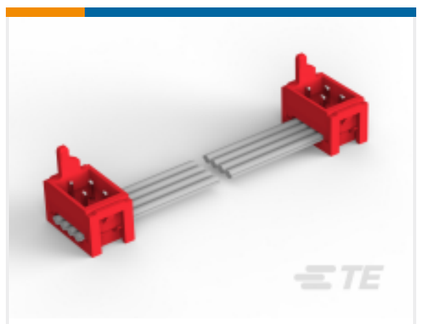
Compatible Parts

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

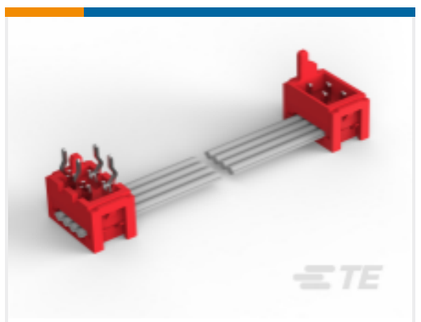


TE Part # CAT-M5833-M2934
Male-on-Board Connector, Micro-MaTch

TE Part # 1-338095-6
MICRO-MATCH COSI HSG



TE Part # CAT-M5833-C1121
MICRO-MATCH STD MOW TO MOW CABLE ASSY



TE Part # CAT-M5833-C1121A
MICRO-MATCH STD PB TO MOW CABLE ASSY

Also in the Series | Micro-MaTch Industrial

Board-In Connectors(21)

Connector Contacts(4)

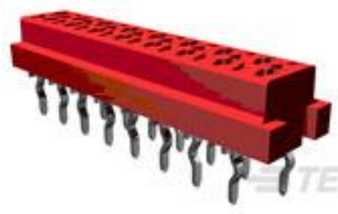
Insertion & Extraction Tools(1)

Pluggable I/O Cable Assemblies(52)

Ribbon Cable Connectors(186)

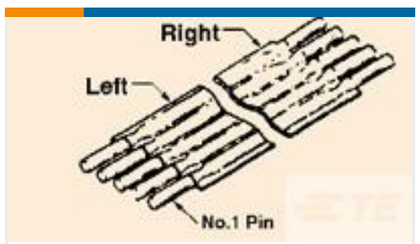
Customers Also Bought

TE Part # 8-215570-0
MICRO-MATCH PBC.10P

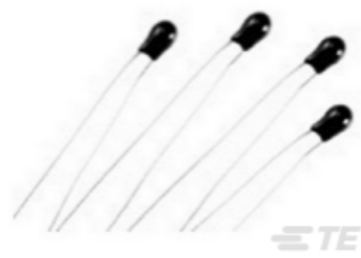


TE Part # 9-215079-0
MICRO-MATCH FOB.20P

TE Part # 8-215464-6
16P.MICRO-MATCH MOB

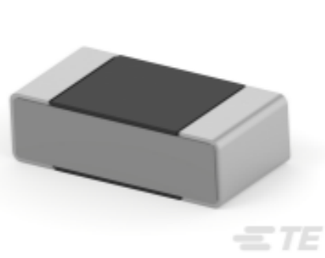


TE Part # 9-6474612-2
FSN-22A-6

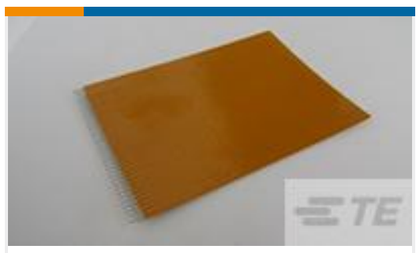


TE Part # 11028337-00
SUPER STABLE GLASS NTC THERMISTOR

TE Part # 534267-2
20 MODIV VRT DR OE 100/125



TE Part # 2-2176266-7
RU 0402 1K0 0.01% 2PPM 1K RL



TE Part # 7-1437139-7
FSN-21A-15=NOMEX FS STD

Documents

Product Drawings

MICRO-MATCH FOB.16P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-215079-6_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-215079-6_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-215079-6_T.3d_stp.zip

English

Datasheets & Catalog Pages

Micro-MaTch Catalog

English

Ribbon Cable Interconnect Solutions

English

Centerline Micro-Match Connector Series

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English