8-215083-2 ✔ ACTIVE

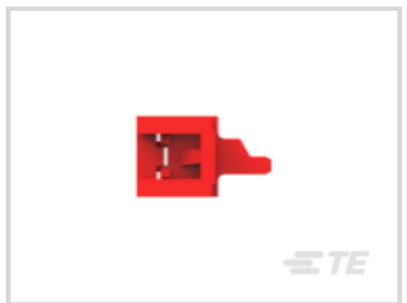
Micro-MaTch | Micro-MaTch Industrial

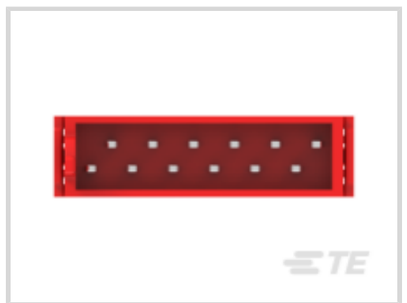
TE Internal #: 8-215083-2

Ribbon Cable Connectors, Cable-to-Board, 12 Position, 1.27 mm [.05 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Micro-MaTch Industrial

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Male-on-Wire Connector, Micro-MaTch




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

Number of Positions: **12**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All Male-on-Wire Connector, Micro-MaTch (19)

Features

Product Type Features

Ribbon Cable Connector Type	Male-On-Wire
Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ

Operating Voltage	100 VAC

Body Features

Daisy Chain	With
Primary Product Color	Red
Connector Profile	Standard

Contact Features

Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Type	Pin
Wire Contact Termination Area Plating Thickness	3 - 5 µm[118.11 - 196.85 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Material	Tin
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 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 Wire & Cable	Insulation Displacement (IDC)
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	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	18.7 mm[.736 in]
Connector Height	6.8 mm[.27 in]
Compatible Insulation Diameter Range	.8 - 1 mm[.035 - .039 in]
Wire Size	.08 - .09 mm^2
Row-to-Row Spacing	2 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	250
Packaging Method	Box & Carton

Product Compliance

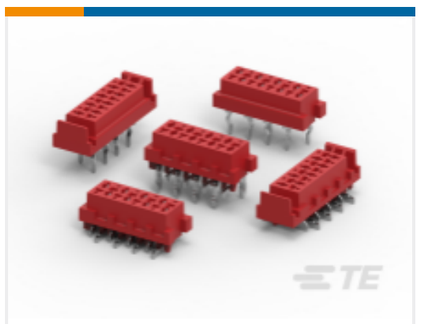
For compliance documentation, visit the product page on TE.com>

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	Not applicable 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

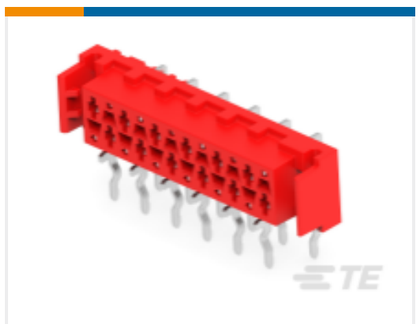
Compatible Parts



TE Part # CAT-M5833-F3492A
Female-on-Board Connector, Top Entry



TE Part # 8-215460-2
MICRO-MATCH FSID P



TE Part # 1-338070-2
MICRO-MATCH FEM.SE



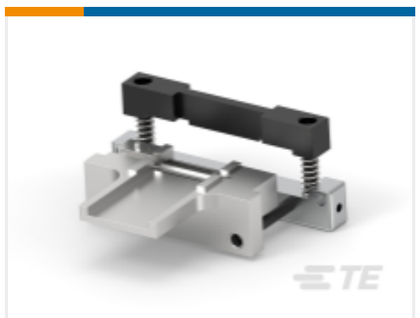
TE Part # 1-215460-2
MICRO-MATCH FEM.SE



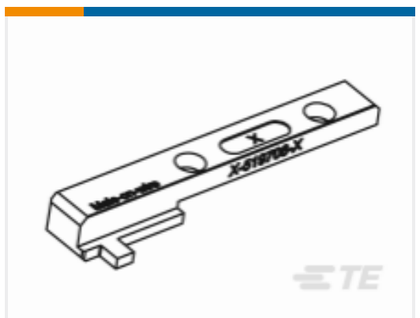
TE Part # 1-100400-2
MICRO-MATCH FSID NP



TE Part # 8-100400-2
MICRO-MATCH FSID NP



TE Part # 734024-1
Micro-MaTch ADAPTER, 4-24 POS.



TE Part # 519708-1
TERMINATION PUSHER



TE Part # 677412-4
SEMI AUTO.MACHINE, MICRO-MATCH, 4-24 POS

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)

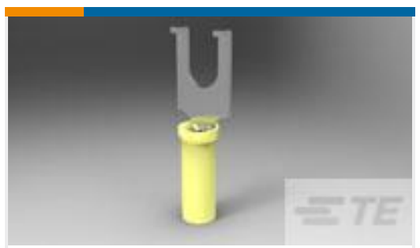
Customers Also Bought



TE Part # 8-215570-2
MICRO-MATCH PBC.12P



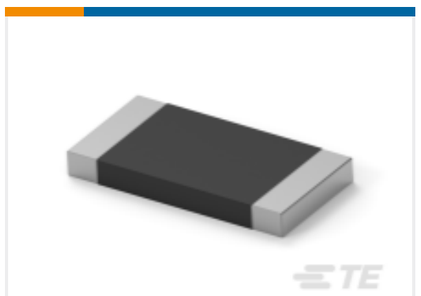
TE Part # 8-215083-0
Male-on-Wire Connector, Micro-MaTch



TE Part # 52369-1
TERMINAL,PIDG SPD FLG 26-22 4



TE Part # EL8204-000
Continuous Tube, Low Fire Hazard HX-CT



TE Part # 6-2176422-1
TLRP 2512 3.0W R030 1% 50PPM 4K RL

TE Part # 60LC1-20-08-1-B-A
60LC1-20-08-1-B-A

Documents

Product Drawings

MICRO-MATCH MOW.12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-215083-2_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-215083-2_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-215083-2_U.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

Ribbon Cable Interconnect Solutions

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English

micro match miniature connector system

English

Agency Approvals

UL Report

English