8-215083-6 ✔ ACTIVE

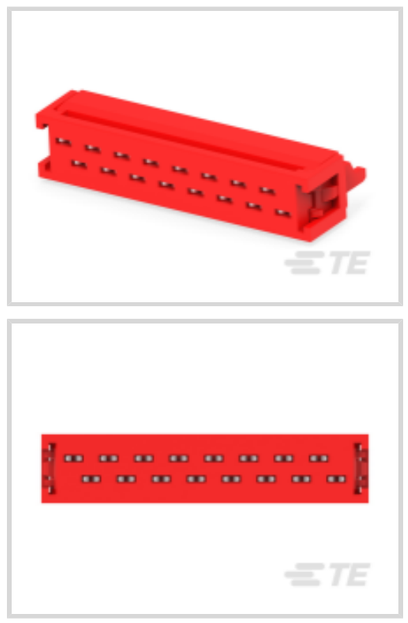
Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 8-215083-6

Cable-to-Board, 16 Position, 1.27 mm [.05 in] Centerline, Vertical, 2 Row, Plug, Standard Profile, Micro-MaTch Industrial, Ribbon Cable Connectors

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: **16**

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

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	100 VDC

Insulation Resistance	1000 MΩ

Body Features

Daisy Chain	With
Primary Product Color	Red
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
PCB 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]
Wire Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.7 mm[.028 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.4 mm[.016 in]
Wire Contact Termination Area Plating Thickness	3 – 5 µm[118.11 – 196.85 µin]
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Contact Retention Type Within Housing	Press-Fit
Mating Alignment	With
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

Compatible Insulation Diameter Range	.8 – 1 mm[.035 – .039 in]
Connector Height	6.8 mm[.27 in]
Wire Size	28 AWG
Connector Length	23.8 mm[.937 in]
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

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	250
Packaging Method	Box & Carton

Product Compliance

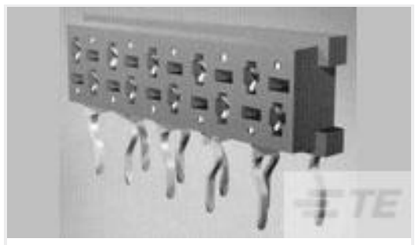
For compliance documentation, visit the product page on TE.com>

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

Compatible Parts

TE Part # 8-100400-6
MICRO-MATCH FSID NP

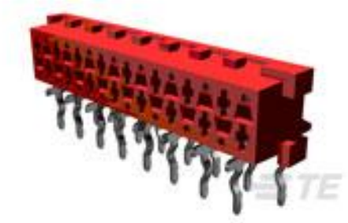
TE Part # 1-338070-6
MICRO-MATCH FEM.SE



TE Part # 1-100400-6
MICRO-MATCH FSID NP

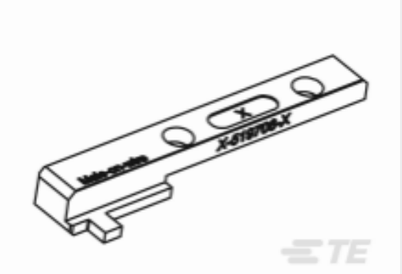
TE Part # 734024-1
Micro-MaTch ADAPTER, 4-24 POS.

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

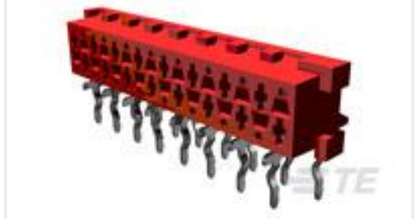


TE Part # 1-215460-6
MICRO-MATCH FEM.SE

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

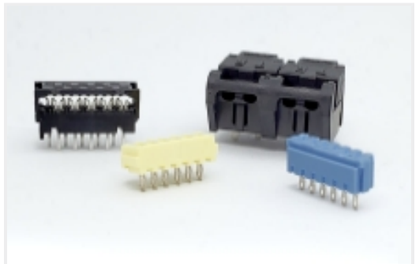


TE Part # 519708-1
TERMINATION PUSHER



TE Part # 8-215460-6
MICRO-MATCH FSID P

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)

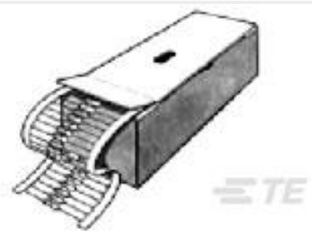
Connector Contacts(4)

Insertion & Extraction Tools(1)

Pluggable I/O Cable Assemblies(52)

Ribbon Cable Connectors(183)

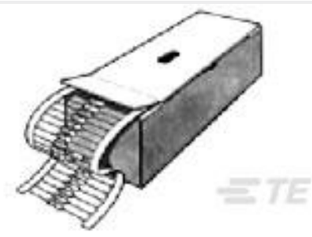
Customers Also Bought



TE Part #2176045-5
EP 5W 33R 5%

TE Part #2129691-2
USB3.1 TYPE-C REC MID-MOUNT 0.485 HYBRID

TE Part #8-215570-6
MICRO-MATCH PBC.16P



TE Part #2176045-2
EP 5W 10R 5%

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

TE Part #1483356-3
MICRO-MATCH LEAD 16P 250MM

TE Part #1483352-3
MICRO-MATCH LEAD 08P 250MM

TE Part #1394909-2
SHIELD, 180 DEG., 94POSN. RECEPTACLE HSG

TE Part #1483356-1
MICRO-MATCH LEAD 16P 100MM

Documents

Product Drawings

MICRO-MATCH MOW.16P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-215083-6_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-215083-6_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-215083-6_U.3d_stp.zip

English

Datasheets & Catalog Pages

Micro-MaTch Catalog

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English

micro match miniature connector system

English

Agency Approvals

UL Report

English