7-188275-8 ✔ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-188275-8

Micro-MaTch Industrial, Ribbon Cable Connectors, Board-to-Board, 8 Position, 1.27mm [.05in] Centerline, Vertical, Surface Mount

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**

Number of Positions: **8**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All FEMALE-ON-BOARD CONNECTOR TOP ENTRY (67)

Features

Product Type Features

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

Configuration Features

Number of Positions	8
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Daisy Chain	Without

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)	1.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.75 mm[.029 in]
Termination Method to Printed Circuit Board	Surface Mount

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	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	PA 4.6
Housing Color	Red
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	19.8 mm[.779 in]

Connector Height	5.3 mm[.21 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
Assembly Process Feature	Vacuum Tape
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Agency/Standard	UL
UL File Number	E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	Reel

Other

Comment	For Use With Male-In-Wire/Male-On-Board

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 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
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

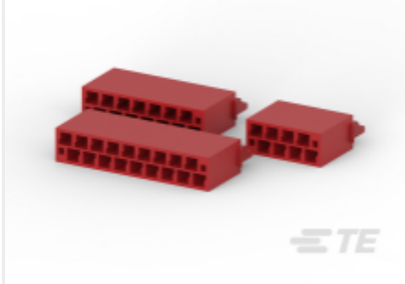
Compatible Parts



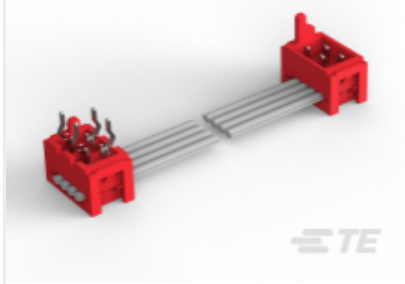
TE Part # CAT-M5833-M2934A
MALE-ON-WIRE CONNECTOR



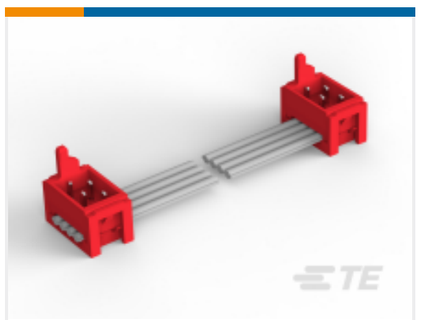
TE Part # CAT-M5833-M2934
MALE-ON-BOARD CONNECTOR



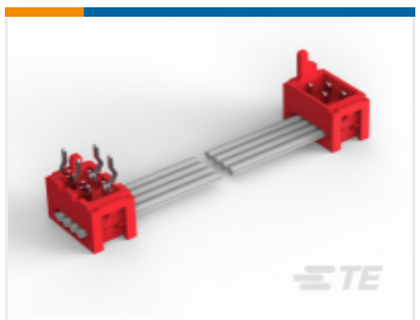
TE Part # CAT-M5833-C8684
CRIMP-ON-SNAP-IN HOUSING



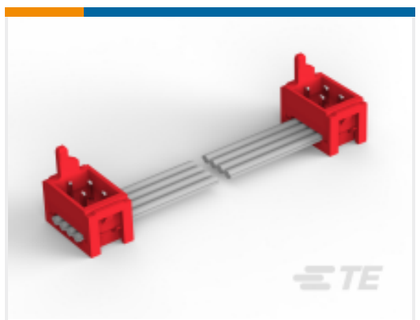
TE Part # 2205070-1
CA MICRO-MATCH MOW-PB 8POS



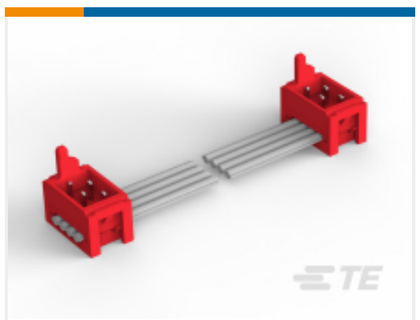
TE Part # 2205062-3
CA MICRO-MATCH MOW-MOW 8POS



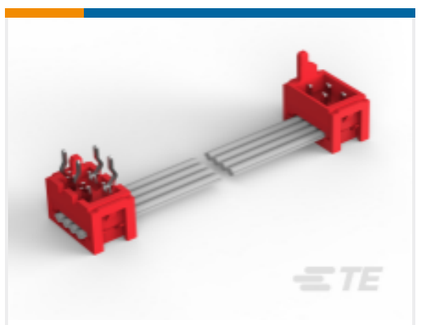
TE Part # 2205070-2
CA MICRO-MATCH MOW-PB 8POS



TE Part # 2205062-1
CA MICRO-MATCH MOW-MOW 8POS

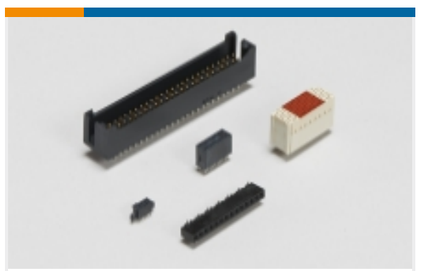


TE Part # 2205062-2
CA MICRO-MATCH MOW-MOW 8POS



TE Part # 2205070-3
CA MICRO-MATCH MOW-PB 8POS

Also in the Series | Micro-MaTch Industrial



Board-to-Board Headers & Receptacles(1)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(204)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



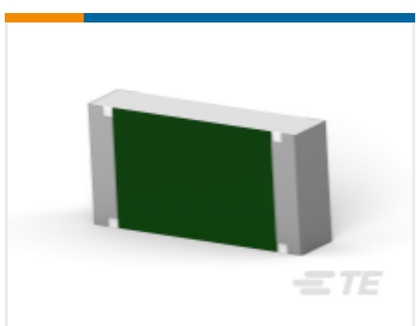
TE Part #1473005-1
DDR2 SO DIMM Sockets



TE Part #1393258-2
Force Guided Power Relay, 2 Poles



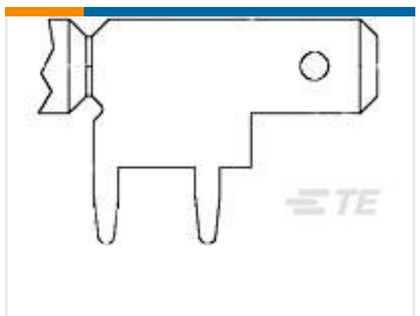
TE Part #1-1825027-1
FSMRA4JH04=R/A,TACT PB SW,160G



TE Part #1-2176397-3
3502 3R3 1%



TE Part #1-963221-1
LOW & MEDIUM POWER HEADER



TE Part #1217061-1
187 FASTON,FLAG,TAB,TNBR



TE Part #1-1879125-2
RN 0402 54R9 0.1% 10PPM 5K RL



TE Part #1437571-4
TP11CGPC0=SWITCH P/B N/O BLACK

TE Part #1103599-1
AMPSeal.Header.35



TE Part #DTM06-6S-EE04
DEUTSCH DTM HOUSINGS

Documents

Product Drawings

MICRO-MATCH SMD FTE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-188275-8_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-188275-8_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-188275-8_U.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

Ribbon Cable Interconnect Solutions

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_7-188275-8_121220172129_dmtec

English

MD_7-188275-8_121220172129_dmtec

English

MATERIAL DECLARATION 7-188275-8

English