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MALE-ON-WIRE CONNECTOR



Connector System: **Wire-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 \(18\)](#)

Features

Product Type Features

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

Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
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
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 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

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Alignment	Without
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
Housing Color	Red



Centerline (Pitch)	1.27 mm[.05 in]
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Dimensions

Connector Length	18.7 mm[.736 in]
Connector Height	6.8 mm[.27 in]
Accepts Wire 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]
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Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	2500
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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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



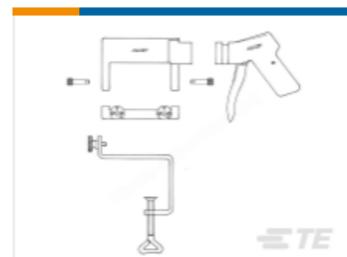
TE Part # 1-215460-2
MICRO-MATCH FEM.SE



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



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



TE Part # 734155-1
TOOLING KIT ASSY.



TE Part # 734024-1
ADAPTER (MICROMATCH)



TE Part # 1-167019-2
12P. RIBBCBL 28AWG P1.27



TE Part # 519708-1
TERMINATION PUSHER

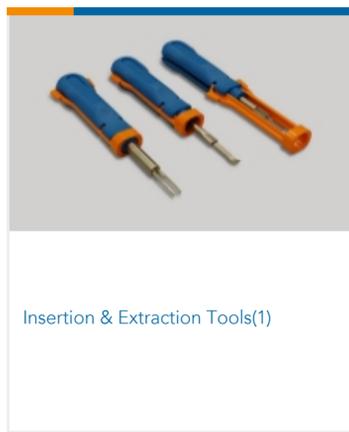


TE Part # 677412-4
SEMI AUTO.MACHINE, MICRO-
MATCH, 4-24 POS

Also in the Series | **Micro-MaTch Industrial**



Board-In Connectors(20)



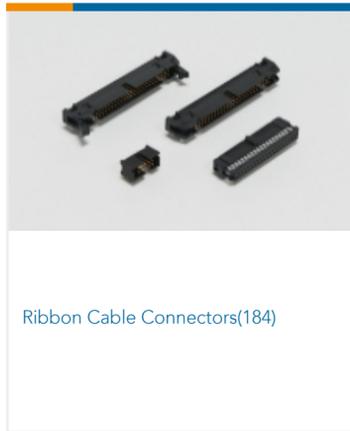
Insertion & Extraction Tools(1)



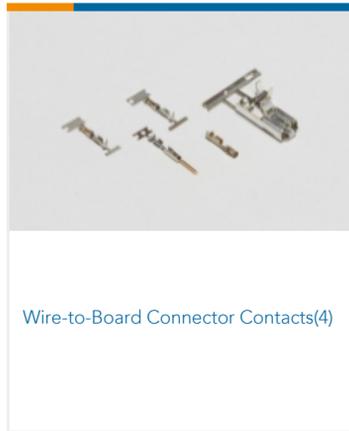
PCB Headers & Receptacles(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(184)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



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



TE Part #343445-2
AMP-IN MINI (SPECIAL) 18.5-14 AWG



TE Part #926790-6
PL 250 REC TERMINAL-FLAG 17-13
TPBR



TE Part #1-215083-6
MALE-ON-WIRE CONNECTOR



TE Part #EG76300001
ES-CAP-NO.1-C1-0-40MM

Documents

[Product Drawings](#)
[MICRO-MATCH MOW.12P.](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1-215083-2_U.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-215083-2_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-215083-2_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

[micro match miniature connector system](#)

English

Product Environmental Compliance

[MD_1-215083-2_01182016340_dmtec](#)

English

[MD_1-215083-2_01182016340_dmtec](#)

English

Agency Approvals

[UL Report](#)

English