

MICRO-MATCH MOW.24P ✓ ACTIVE

[Micro-MaTch](#) | [Micro-MaTch Industrial](#)

TE Part # 2-215083-4

TE Internal #: 2-215083-4

MALE-ON-WIRE CONNECTOR

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MALE-ON-WIRE CONNECTOR



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

Number of Positions: **24**

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

Termination Method to Wire & Cable: **Insulation Displacement Crimp (IDC)**

Row-to-Row Spacing: **1.5 mm**

[All MALE-ON-WIRE CONNECTOR \(20\)](#)

Features

Product Type Features

Product Type	Connector
Type of Connector	Male-On-Wire
Connector Type	Connector Assembly
Wire/Cable Type	Ribbon Cable
Header Type	Shrouded
Connector System	Cable-to-Board
Row-to-Row Spacing	1.5 mm
Connector Style	Plug
Profile	Standard
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Ejection Latches	Without
Number of Positions	24

Electrical Characteristics

Operating Voltage	100 VAC
Insulation Resistance	1000 MΩ

Body Features

Daisy Chain	Without
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Contact Features

Contact Termination Area Plating Material	Tin
Contact Design	Press-Fit
Contact Transmits (Typical)	Signal (Data)
Vacuum Tape	Without
Contact Mating Area Plating Thickness	3 – 5 μm [118.11 – 196.85 μin]
Contact Termination Area Plating Thickness	3 – 5 μm [118.11 – 196.85 μin]
Contact Type	Pin
Contact Mating Area Plating Material	Tin
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 Crimp (IDC)
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Mechanical Attachment

Polarization	With
Mating Retention	Without
Mating Alignment	With
Contact Retention in Housing	Press-Fit
PCB Mount Alignment	Without
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Connector Lock	Without

Housing Features

Housing Material	Polyester - GF
Housing Color	Red
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Length	34 mm[1.338 in]
Accepts Wire Insulation Diameter Range	.8 – 1. mm[.035 – .039 in]

Height	6.8 mm[.27 in]
Insulation Diameter	.9 mm[.035 in]
Wire Size	.08 – .09 mm ²

Usage Conditions

Operating Temperature Range	-40 – 105 °C
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Industry Standards

UL Flammability Rating	UL 94V-0
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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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 9-338069-4
MICRO-MATCH SMD FTE



TE Part # 2-338069-4
MICRO-MATCH SMD FTE


Also in the Series | Micro-MaTch Industrial



Pluggable I/O Cable
Assemblies(54)



Ribbon Cable Connectors
(203)



Wire-to-Board Connector
Contacts(4)

Customers Also Bought



TE Part #4-1123724-2
3.96EP HDR ASSY 2(3)P
RED



TE Part #640915-2
RECEPT,PIDG FASTON 16-
14 205



TE Part #2151337-1
OCEAN-2.0-APPLICATOR-
S-110O110O210O



TE Part #2151115-1
OCEAN_2.0_APPLICATION-
S-062F110F



TE Part #2151338-1
OCEAN-2.0-APPLICATOR-
S-140F140O210O



TE Part #6-103639-6
17 MTE HDR SRST LATCH .
100CL



TE Part #6-1565036-5
EP CONN. HDR ASSY 5/6P
W/O#5 BLUE

Documents

[Product Drawings](#)
[MICRO-MATCH MOW.24P](#)

English

[MICRO-MATCH MOW.24P](#)

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-215083-4_U.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-215083-4_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-215083-4_U.3d_stp.zip](#)

English

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

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English