

7-215079-6 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-215079-6

TE Internal Description: MICRO-MATCH FOB.06P

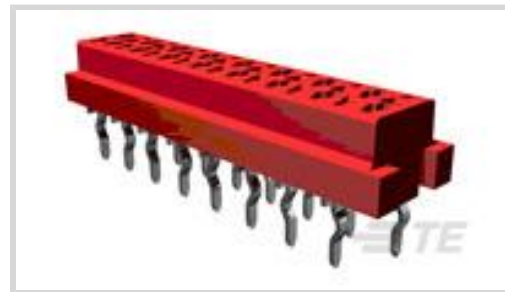
FEMALE-ON-BOARD CONNECTOR TOP ENTRY

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FEMALE-ON-BOARD CONNECTOR TOP ENTRY



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

Number of Positions: **6**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Kinked Solder Tails**

[All FEMALE-ON-BOARD CONNECTOR TOP ENTRY \(65\)](#)

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	6
PCB Mount Orientation	Vertical

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	Pin
Contact Mating Area Plating Material Thickness	3 – 5 μm [118.11 – 196.85 μin]
Contact Mating Area Plating Material	Tin
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 A

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Contact Retention Type Within Housing	Press-Fit
Mating Alignment	Without
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	9.7 mm[.382 in]
Connector Height	4 mm[.16 in]

Row-to-Row Spacing	1.5 mm
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Usage Conditions

Operating Temperature Range	-40 – 105 °C
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

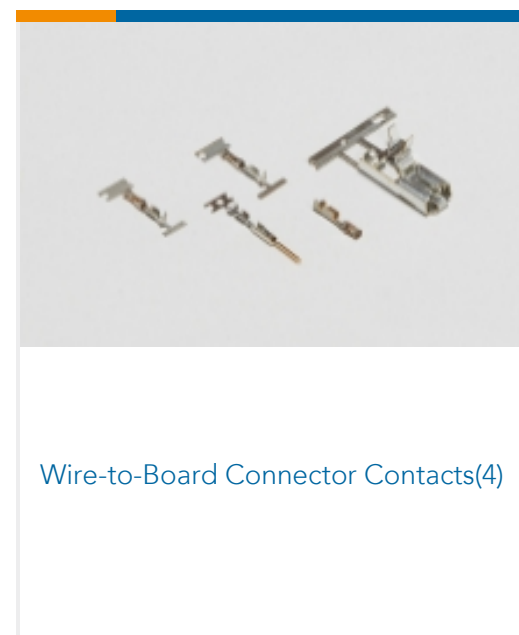
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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



Also in the Series | Micro-MaTch Industrial



Customers Also Bought





Documents

Product Drawings

[MICRO-MATCH FOB.06P](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_7-215079-6_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-215079-6_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-215079-6_T.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Micro-MaTch Catalog](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

[Centerline Micro-Match Connector Series](#)

English

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[MD_7-215079-6_07012015735_dmtec](#)

English

[MD_7-215079-6_07012015735_dmtec](#)

English

Agency Approvals

[UL Report](#)

English