1-338728-0 ✔ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 1-338728-0

Board-to-Board, 10 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Plug, 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-Board Connector, Micro-MaTch



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

Number of Positions: **10**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All Male-on-Board Connector, Micro-MaTch (36)

Features

Product Type Features

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

Configuration Features

Number of Positions	10
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Daisy Chain	Without
Primary Product Color	Red
Connector Profile	Standard

Contact Features

PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Type	Pin
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 Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Square Termination Post & Tail Dimension	.4 mm[.016 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Method to PCB	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
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	15.9 mm[.625 in]

Connector Height	4.6 mm[.18 in]
PCB Thickness (Recommended)	1.6 mm[.062 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
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
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>

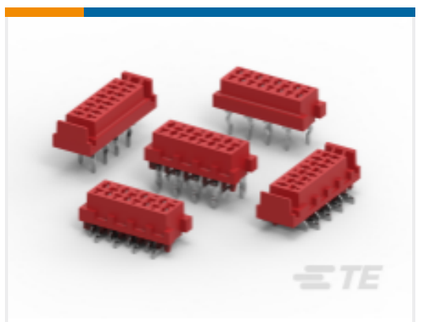
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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-F3492A
Female-on-Board Connector, Top Entry



TE Part # 1-338070-0
MICRO-MATCH FEM.SE



TE Part # 8-215460-0
MICRO-MATCH FSID P



TE Part # 1-215460-0
MICRO-MATCH FEM.SE



TE Part # 1-100400-0
MICRO-MATCH FSID NP



TE Part # 8-188431-0
M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.



TE Part # 8-100400-0
MICRO-MATCH FSID NP

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(21)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

Customers Also Bought



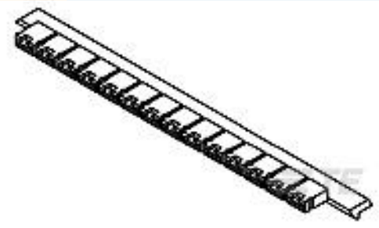
TE Part #1-215464-0
10P.MICRO-MATCH MOB



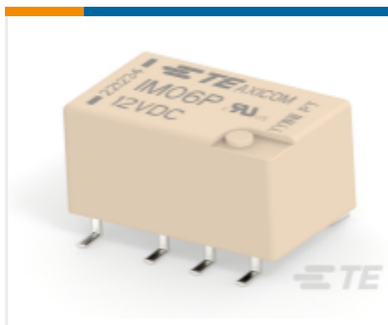
TE Part #4-1622820-1
3520 390R 5%



TE Part #747250-4
09 MSFL PLUG RA 318 (IN,FM)



TE Part #142270-1
CONNECTOR SHUNT 2 P



TE Part #5-1462039-6
IM06PGR=IM RELAY 140mW 12V



TE Part #1623327-1
CRG0805 5% 1K0

TE Part #NB15524001
RNF-100-CL Heat Shrink Tubing



TE Part #194939-000
MFT-MT2000-NO.33-0-SP

Documents

Product Drawings

MICROM. MOB SMD CON

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-338728-0_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-338728-0_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-338728-0_G.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

Datasheet - Ev Charging Board Signal Interconnects

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1743455-2 SBCHE64R7K 3631B101LL 917696-1 CPF0402B37K4E1 CRGCQ2010J3K3 ROX05SJ18R SMW73R0JT 1-962915-1 1903112-2 1969656-1 2-292161-3 2310537-1 2377783-2 936348-1 MPT100C18RF U5254-000005-030PA RH73H2A40MKTN 141991-2 3-1393225-0 1-794222-0 1393431-1 2005330-1 2380312-2 2834055-1 3430B2F51RTDF 650075-000 175977-2 SBCHE154R7K TE50BR39J