7-338728-8 ✔ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-338728-8

Ribbon Cable Connectors, Board-to-Board, 8 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Plug, Micro-MaTch Industrial

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: **8**

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	8
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 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
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	13.4 mm[.527 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
Assembly Process Feature	Vacuum Tape
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Agency/Standard	UL
Approved Standards	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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 # 7-215460-8
MICRO-MATCH FSID P

TE Part # 338070-8
MICRO-MATCH FEM.SE

TE Part # 100400-8
MICRO-MATCH FSID NP

TE Part # 7-188431-8
MM 8p FIB SMD connector

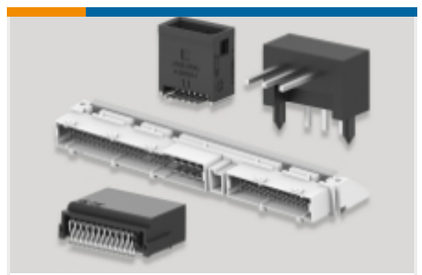
TE Part # 215460-8
MICRO-MATCH FEM.SE

TE Part # 7-100400-8
MICRO-MATCH FSID NP

Also in the Series | Micro-MaTch Industrial

Board-In Connectors(20)

Insertion & Extraction Tools(1)



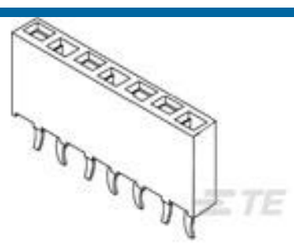
PCB Headers & Receptacles(1)

Pluggable I/O Cable Assemblies(52)

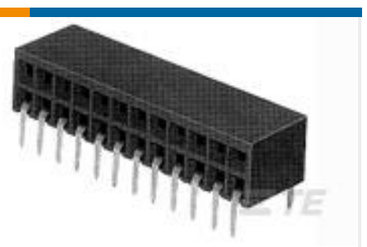
Ribbon Cable Connectors(185)

Wire-to-Board Connector Contacts(4)

Customers Also Bought



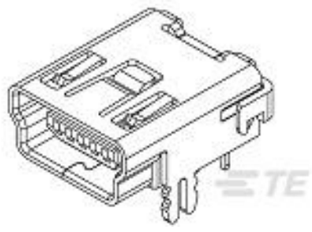
TE Part #1-215297-2
12P HV100 REC CON. TE, 7.0MM



TE Part #216604-7
2X 7P HV190FEDERLEI

TE Part #5555164-1
MJ,LPF,R/A,8P,TRAY

TE Part #1614884-9
CPF 0805 4R7 0.1% 25PPM 1K RL



TE Part #2172034-1
MINI USB B, RCPT, R/A, T/H, PBT, Tray

TE Part #DT13-12PA
DEUTSCH DT Headers

TE Part #1415539-5
RT314A24WG

TE Part #1483350-1
MICRO-MATCH LEAD 04P 100MM

Documents

Product Drawings

MICROM. MOB SMD CON

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-338728-8_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-338728-8_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-338728-8_H.3d_stp.zip

English

Datasheets & Catalog Pages

Micro-MaTch Catalog

English

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English