# 1-215460-8 ACTIVE

### Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 1-215460-8

Ribbon Cable Connectors, Cable-to-Board, 18 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-

MaTch Industrial

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: Cable-to-Board

Number of Positions: 18

Centerline (Pitch): 2.54 mm [.1 in]
PCB Mount Retention: With

PCB Mount Retention Type: Kinked Legs

### **Features**

### **Product Type Features**

Ribbon Cable Connector Type	Female-on-Board
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

### **Configuration Features**

Number of Positions	18
PCB Mount Orientation	Right Angle
Number of Rows	2

#### **Electrical Characteristics**

Insulation Resistance	1000 ΜΩ
Operating Voltage	100 VAC

## **Body Features**

Primary Product Color	Red
Connector Profile	Standard

#### **Contact Features**

PCB Contact Termination Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Layout	Staggered



Contact Mating Area Plating Material Trickness 3. – 5 pm[118.11 – 196.85 pm]  Contact Mating Area Plating Material Tin  PCB Contact Termination Area Plating Material Finish Matte  Contact Mating Area Plating Material Nickel  PCB Contact Termination Area Plating 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  Mechanical Attachment  Mating Alignment With  PCB Mount Alignment With  PCB Mount Retention  PCB Mount Retention Type Kinked Legs  Mating Alignment Type Polarization  Mating Retention  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side  Housing Features  Mating Entry Location Side  Housing Material Glass Filed PRT  Centedine (Pildt) 2.54 nm], (1 in]  Dimensions  Row to Row Spacing 1.5 nm], (899 in]  Usage Conditions  Operating Temperature Range 40 – 105 °CP-40 – 221 °FT  Operation/Application  Graul Application  Gravit Application  Circuit Applicati	Contact Type	Receptacle
PCB Contact Termination Area Plating Material Finish Matte Contact Mating Area Plating Material Finish Matte 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  Mechanical Attachment  Meting Alignment With PCB Mount Alignment With PCB Mount Retention With PCB Mount Retention Type Kinked Legs  Mating Alignment Type Polarization Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Features  Mating Entry Location Side Housing Material Glass Filled PBT Centerline (Pitch) 2.54 mm[1 in]  Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range 40 – 105 *CI-410 – 221 *Tr]  Operating Temperature Range Recognized	Contact Mating Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Mating Area Plating Material Contact Underplating Material PCB Contact Termination Area Plating Material PCB Contact Termination Area Plating Material Phosphor Bronze Contact Current Rating (Max) 1.5 A  Termination Features  Termination Method to Printed Circuit Board Through Hole Solder  Mechanical Attachment  Mating Alignment With PCB Mount Alignment With PCB Mount Retention With PCB Mount Retention With PCB Mount Retention Type Kinked Legs Mating Alignment Type Polarization Without  Connector Mounting Type Board Mount Housing Features  Mating Features  Mating Entry Location Housing Material Centerline (Pitch) Dimensions  Row-to-Row Specing 1.5 mml,059 inj  Usage Conditions  Operating Temperature Range -40 – 105 °C[40 – 221 °F]  Operation/Application Circuit Application Signal Industry Standards  U. Rasing Recognized	Contact Mating Area Plating Material	Tin
Contact Underplating Material PCB Contact Termination Area Plating Material Tin Contact Base Material Contact Current Rating (Max) 1.5 A  Termination Features  Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment  Mating Alignment With PCB Mount Alignment With PCB Mount Retention With PCB Mount Retention Type Kinked Legs Mating Alignment Type Polarization Without  Connector Mounting Type Board Mount Housing Features  Mating Entry Location Side Housing Material Centerline (Pitch) Dimensions  Row-to-Row Spacing 1.5 mm (159 in)  Usage Conditions  Operating Temperature Range A 0 105 °C[ 40 221 °F]  Operation/Application  Grout Application  Grout Application Signal  Industry Standards  UL Rating Recognized	PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Phosphor Bronze Contact Dase Material Phosphor Bronze Contact Current Rating (Max) 1.5 A  Termination Features Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment  Mating Alignment With PCB Mount Alignment With PCB Mount Retention With PCB Mount Retention Type Kinked Legs Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side Housing Material Glass Filled PBT Conterline (Pitch) 2.54 mm[.1 in]  Dimensions  Row-to-Row Specing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range 40 – 105 °C[-40 – 221 °T]  Operation/Application  Circuit Application  Glassification  Recognized	Contact Mating Area Plating Material Finish	Matte
Contact Base Material Phosphor Bronze  Contact Current Rating (Max) 1.5 A  Termination Features  Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment  Mating Alignment With  PCB Mount Alignment With  PCB Mount Retention With  PCB Mount Retention Type Kinked Legs  Mating Alignment Type Polarization  Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side  Housing Material Glass Filled PBT  Centerline (Pitch) 2.54 mm(,1 in)  Dimensions  Row-to-Row Spacing 1.5 mm(,059 in)  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °T]  Operation/Application  Gircuit Application Signal  Industry Standards  UL Rating Recognized	Contact Underplating Material	Nickel
Termination Features Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment  Mating Alignment With PCB Mount Alignment Without PCB Mount Retention Type Kinked Legs Mating Alignment Iype Polarization Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side Housing Material Glass Filled PBT Centerline (Pitch) 2.54 mm [.1 in]  Dimensions  Row-to-Row Spacing 1.5 mm [.059 in]  Usage Conditions  Operation/Application  Circuit Application Signal  Industry Standards  UL Rating Recognized	PCB Contact Termination Area Plating Material	Tin
Termination Features  Termination Method to Printed Circuit Board  Mechanical Attachment  Mating Alignment  PCB Mount Alignment  With  PCB Mount Retention  With  PCB Mount Retention Type  Kinked Legs  Mating Alignment Type  Polarization  Mating Retention  Without  Connector Mounting Type  Board Mount  Housing Features  Mating Entry Location  Housing Material  Centerline (Ptch)  Dimensions  Row to Row Spacing  1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range  Alighting Industry Standards  UL Rating  Recognized	Contact Base Material	Phosphor Bronze
Termination Method to Printed Circuit Board  Mechanical Attachment  Mating Alignment  PCB Mount Alignment  With  PCB Mount Retention  With  PCB Mount Retention Type  Mating Alignment Type  Mating Alignment Type  Mating Retention  Without  Connector Mounting Type  Board Mount  Housing Features  Mating Entry Location  Housing Material  Centerline (Pitch)  Dimensions  Row-to-Row Spacing  1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range  -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Signal  Industry Standards  UI Rating  Recognized	Contact Current Rating (Max)	1.5 A
Mechanical Attachment  Mating Alignment With PCB Mount Alignment Without  PCB Mount Retention With PCB Mount Retention Type Kinked Legs Mating Alignment Type Polarization Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Housing Material Glass Filled PBT  Centerline (Pitch) Dimensions  Row to Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operation/Application Circuit Application Signal Industry Standards UL Rating Recognized	Termination Features	
Mating Alignment  PCB Mount Alignment  PCB Mount Retention  With  PCB Mount Retention Type  Kinked Legs  Mating Alignment Type  Polarization  Mating Retention  Without  Connector Mounting Type  Board Mount  Housing Features  Mating Entry Location  Flousing Material  Centerline (Pitch)  Dimensions  Row-to-Row Spacing  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Industry Standards  Ul Rating  Recognized	Termination Method to Printed Circuit Board	Through Hole - Solder
PCB Mount Alignment PCB Mount Retention With PCB Mount Retention Type Kinked Legs Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features  Mating Entry Location Housing Material Glass Filled PBT Centerline (Pitch) Dimensions  Row-to-Row Spacing 1.5 mm[.059 in] Usage Conditions Operating Temperature Range -40 – 105 °C[.40 – 221 °F]  Operation/Application Circuit Application Industry Standards  UL Rating Recognized	Mechanical Attachment	
PCB Mount Retention Type Kinked Legs  Mating Alignment Type Polarization  Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side  Housing Material Glass Filled PBT  Centerline (Pitch) 2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Industry Standards  UL Rating Retention Without Legs  Kinked Legs  Mating About 1904  Without 1905  Without 1904  W	Mating Alignment	With
PCB Mount Retention Type Kinked Legs  Mating Alignment Type Polarization  Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side  Housing Material Glass Filled PBT  Centerline (Pitch) 2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application Signal  Industry Standards  UL Rating Recognized	PCB Mount Alignment	Without
Mating Alignment Type Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side Housing Material Glass Filled PBT  Centerline (Pitch) 2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Industry Standards  UL Rating Recognized	PCB Mount Retention	With
Mating Retention Without  Connector Mounting Type Board Mount  Housing Features  Mating Entry Location Side  Housing Material Glass Filled PBT  Centerline (Pitch) 2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Industry Standards  UL Rating Retention Residue Side Recognized	PCB Mount Retention Type	Kinked Legs
Connector Mounting Type  Housing Features  Mating Entry Location  Housing Material  Centerline (Pitch)  Dimensions  Row-to-Row Spacing  1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range  -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Industry Standards  UL Rating  Recognized	Mating Alignment Type	Polarization
Housing Features  Mating Entry Location Side Housing Material Glass Filled PBT  Centerline (Pitch) 2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application Signal  Industry Standards  UL Rating Recognized	Mating Retention	Without
Mating Entry Location  Mating Entry Location  Glass Filled PBT  Centerline (Pitch)  2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing  1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range  -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Signal  Industry Standards  UL Rating  Recognized	Connector Mounting Type	Board Mount
Housing Material  Centerline (Pitch)  2.54 mm[.1 in]  Dimensions  Row-to-Row Spacing  1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range  -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Signal  Industry Standards  UL Rating  Recognized	Housing Features	
Centerline (Pitch)  Dimensions  Row-to-Row Spacing  1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range  -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Signal  Industry Standards  UL Rating  Recognized	Mating Entry Location	Side
Dimensions  Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application Signal  Industry Standards  UL Rating Recognized	Housing Material	Glass Filled PBT
Row-to-Row Spacing 1.5 mm[.059 in]  Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application Signal  Industry Standards  UL Rating Recognized	Centerline (Pitch)	2.54 mm[.1 in]
Usage Conditions  Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application Signal  Industry Standards  UL Rating Recognized	Dimensions	
Operating Temperature Range -40 – 105 °C[-40 – 221 °F]  Operation/Application  Circuit Application  Signal  Industry Standards  UL Rating  Recognized	Row-to-Row Spacing	1.5 mm[.059 in]
Operation/Application Circuit Application Signal Industry Standards UL Rating Recognized	Usage Conditions	
Circuit Application  Industry Standards  UL Rating  Recognized	Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Industry Standards  UL Rating  Recognized	Operation/Application	
UL Rating Recognized	Circuit Application	Signal
	Industry Standards	
Agency/Standard UL	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	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 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**









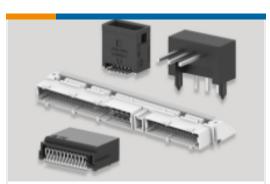
# Also in the Series | Micro-MaTch Industrial







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 #DRC26-50S04 PLG, 50P, BLK, N, 04



TE Part #9-215460-0 MICRO-MATCH FSID P



TE Part #1-406507-4 IMJ,1X1,P GRD,INSLT,LED(Y/G)SN



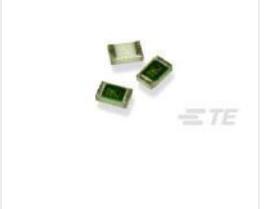
STD USB TYPE B, VERTICAL, T/H



TE Part #1571983-9 GDH06STR04=DIP SWITCH



TE Part #770966-1 02P MINI UMNL R/A HDR ASSY SN



TE Part #1-1879417-4 CPF 0603 620K 0.1% 25PPM 1K RL





TE Part #054595-E SMCB 26 M AB VV 3-03 CLHD \* 0007 137 E00

### **Documents**

## **Product Drawings**

MICRO-MATCH FEM.SE

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-215460-8\_J.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-215460-8\_J.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-215460-8\_J.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**

**Product Specification** 

English

## **Agency Approvals**

**UL Report** 

English