

8-215464-4 ✓ ACTIVE

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

TE Internal #: 8-215464-4

Board-to-Board, 14 Position, 1.27 mm [.05 in] Centerline, Vertical,
Through Hole - Solder, 2 Row, Micro-MaTch Industrial, Ribbon
Cable Connectors

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[Male-on-Board Connector, Micro-MaTch](#)



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

Number of Positions: **14**

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

PCB Mount Retention: **With**

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

[All Male-on-Board Connector, Micro-MaTch \(36\)](#)

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 14 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Housing Features

| | |
|-----------------------|-----------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Mating Entry Location | Top |
| Housing Material | PBT GF |

Mechanical Attachment

| | |
|--------------------------|---------------------|
| PCB Mount Retention | With |
| PCB Mount Retention Type | Kinked Solder Tails |



| | |
|---------------------------------------|------------------|
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Mating Retention Type | Contact Friction |
| Connector Mounting Type | Board Mount |
| Contact Retention Type Within Housing | Press-Fit |
| Mating Alignment | With |
| PCB Mount Alignment | Without |

Termination Features

| | |
|---|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
| Rectangular Termination Post & Tail Width | .4 mm[.015 in] |
| Rectangular Termination Post & Tail Thickness | .5 mm[.02 in] |
| Termination Post & Tail Length | 3.1 mm[.122 in] |

Dimensions

| | |
|-----------------------------|------------------|
| Row-to-Row Spacing | 2 mm[.059 in] |
| PCB Thickness (Recommended) | 1.6 mm[.062 in] |
| Connector Height | 6.9 mm[.27 in] |
| Connector Length | 16.51 mm[.65 in] |

Body Features

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|-----------------------|----------|
| Connector Profile | Standard |
| Daisy Chain | Without |
| Primary Product Color | Red |

Contact Features

| | |
|---|---|
| Contact Current Rating (Max) | 1 A |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 3 – 5 μ m[118.11 – 196.85 μ in] |
| Mating Tab Width | .7 mm[.028 in] |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 μ m[118.11 – 196.85 μ in] |
| Contact Mating Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Mating Tab Thickness | .4 mm[.016 in] |
| PCB Contact Termination Area Plating Material | Tin |



| | |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

| | |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
|------------------------|----------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
|--------------------|-----------|

| | |
|-------------------|-----------|
| EU ELV Compliance | Compliant |
|-------------------|-----------|

Electrical Characteristics

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|-------------------|---------|
| Operating Voltage | 100 VDC |
|-------------------|---------|

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|-----------------------|---------|
| Insulation Resistance | 1000 MΩ |
|-----------------------|---------|

Industry Standards

| | |
|---|----|
| Compatible With Agency/Standards Products | UL |
|---|----|

| | |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

| | |
|---|-----------|
| Compatible With Approved Standards Products | UL E28476 |
|---|-----------|

Packaging Features

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|--------------------|-----|
| Packaging Quantity | 250 |
|--------------------|-----|

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|------------------|--------------|
| 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: 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. |
|-----------------|--|

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|---------------------------|------------------------------|
| 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>

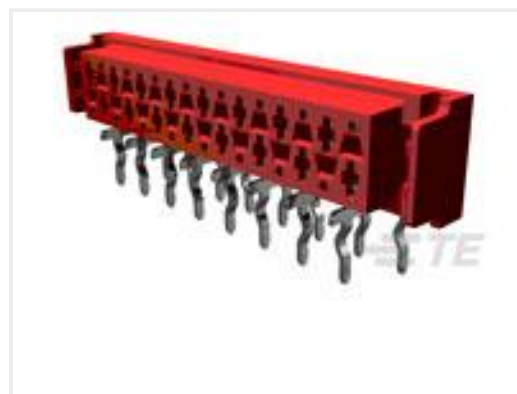
Compatible Parts



TE Part # CAT-M5833-F3492A
Female-on-Board Connector, Top Entry



TE Part # 8-215460-4
MICR-MATCH FSID P



TE Part # 1-338070-4
MICRO-MATCH FEM.SE



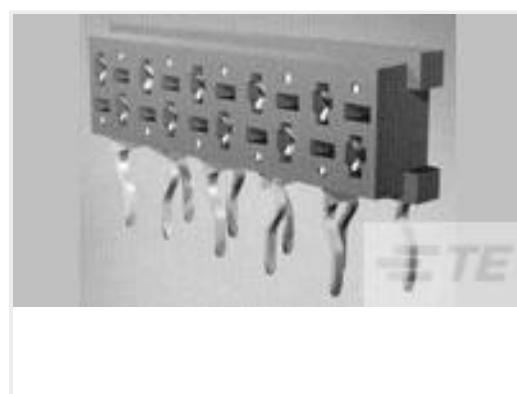
TE Part # 8-188431-4
M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.



TE Part # 1-215460-4
MICRO-MATCH FEM.SE

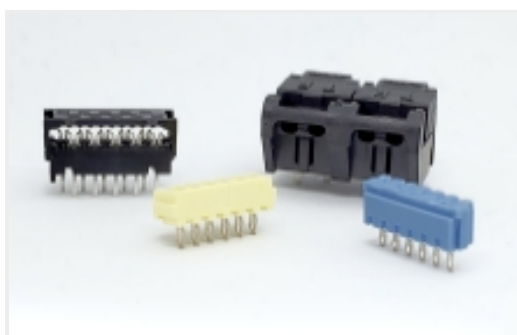


TE Part # 1-100400-4
MICRO-MATCH FSID NP



TE Part # 8-100400-4
MICRO-MATCH FSID NP

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



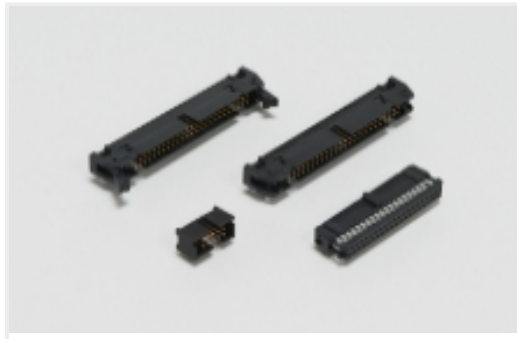
Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(183)

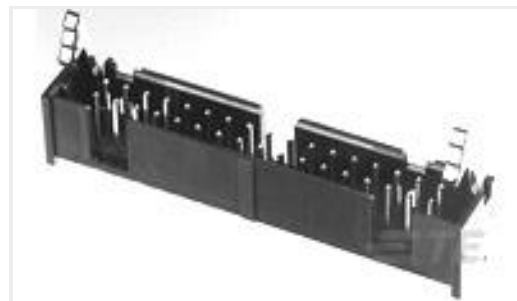
Customers Also Bought



TE Part #EEC-5X650A
ENCLOSURE, 5 X 6.50, BLK, VENT



TE Part #1534238-1
MESSERLEISTE 21P



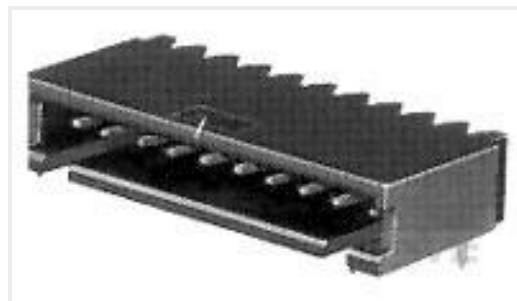
TE Part #3-1761606-1
IDC LOW PRO HDR 34P VERT LG LA



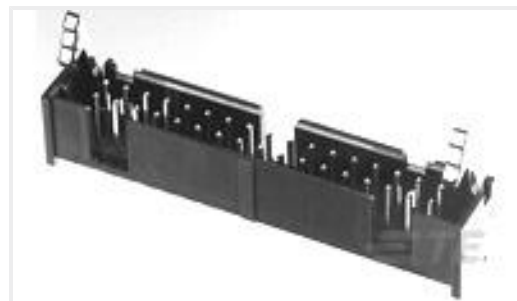
TE Part #4-1393238-4
RTB74012



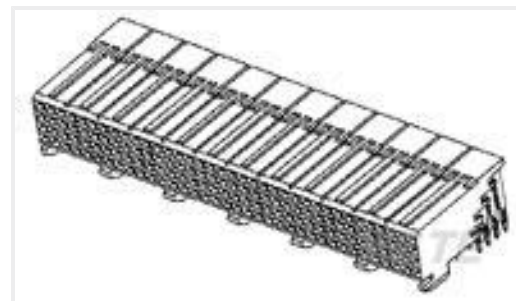
TE Part #280390-2
2X8P MODU II SHRD HDR,RT ANG,
0.38AU



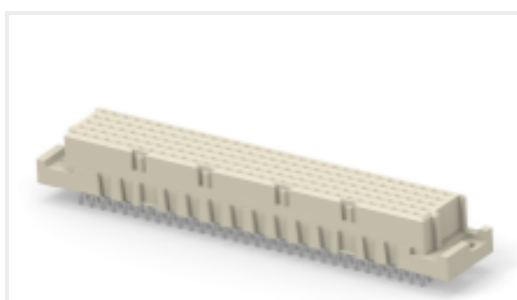
TE Part #5-103361-1
03 MODII HDR SRRA SHRD LF



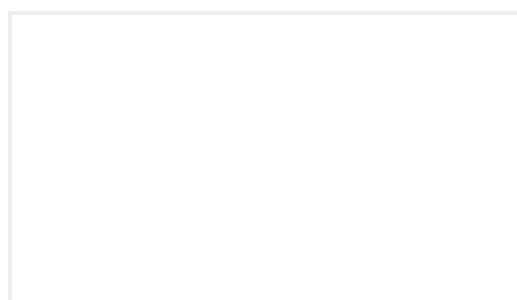
TE Part #2-1761606-8
IDC LOW PRO HDR 24P VERT LG LA



TE Part #5536507-2
2MM FB,ASY,048,SIG,REC,SL,2.73



TE Part #254123-E
STVE 160 F ABCDE VVVV 7-00 EE 4,0
* 247



TE Part #1393564-7
C42121A 40C 15=HALTERUNG

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_8-215464-4_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-215464-4_C.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_8-215464-4_C.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

Agency Approvals

[UL Report](#)

English