



Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors



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

Number of Positions: **40**

Centerline (Pitch): **6.84 mm, 8.24 mm [ .27 in, .324 in ]**

Contact Current Rating (Max): **15 A**

Circuit Application: **Power & Signal**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System                  | Board-to-Board        |

Configuration Features

|                            |          |
|----------------------------|----------|
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 40       |
| Number of Power Positions  | 16       |
| Number of Signal Positions | 24       |
| Number of Dual Positions   | 8        |

Electrical Characteristics

|                   |       |
|-------------------|-------|
| Operating Voltage | 300 V |
|-------------------|-------|

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                               |                 |
|-------------------------------|-----------------|
| Contact Underplating Material | Nickel          |
| Contact Base Material         | Phosphor Bronze |



|                                                |                |
|------------------------------------------------|----------------|
| PCB Contact Termination Area Plating Material  | Tin            |
| Contact Mating Area Plating Material Thickness | .76 μm[30 μin] |
| Contact Current Rating (Max)                   | 15 A           |
| Contact Mating Area Plating Material           | Gold (Au)      |

Termination Features

|                                |                          |
|--------------------------------|--------------------------|
| Termination Post & Tail Length | 3.5 mm[.138 in]          |
| Termination Method to PCB      | Through Hole - Press-Fit |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
| PCB Mount Retention     | With        |

Housing Features

|                    |                                   |
|--------------------|-----------------------------------|
| Housing Material   | Polyester GF                      |
| Centerline (Pitch) | 6.84 mm, 8.24 mm[.27 in][.324 in] |

Dimensions

|                          |               |
|--------------------------|---------------|
| Power Contact Centerline | 2 mm[.078 in] |
|--------------------------|---------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

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

Other

|                            |   |
|----------------------------|---|
| Position Locations Omitted | 0 |
|----------------------------|---|

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 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |



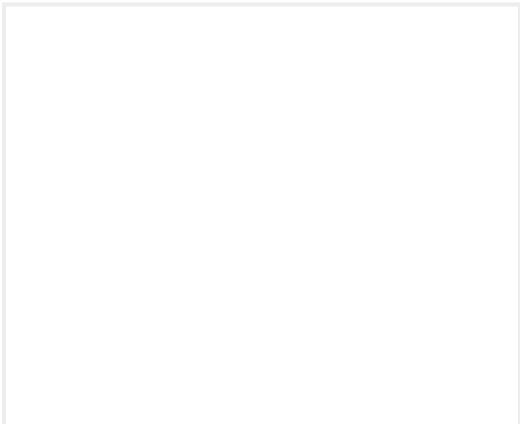
Solder Process Capability

Not applicable for solder process capability

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>

Customers Also Bought



TE Part #796136-3  
ASSY, SMT BATTERY CONN



TE Part #6-1734248-0  
1.0 FPC, ZIF V/T, SMT, 30P



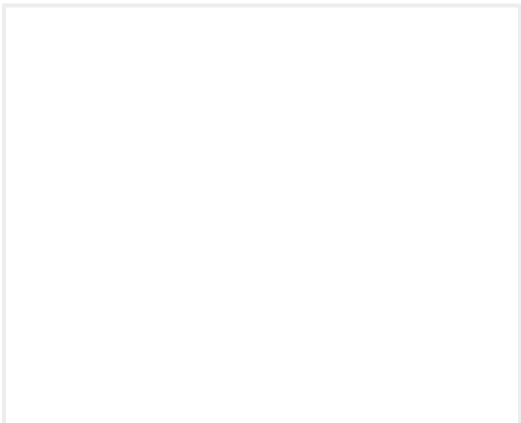
TE Part #2323854-2  
TAB0.63X0.63,MS



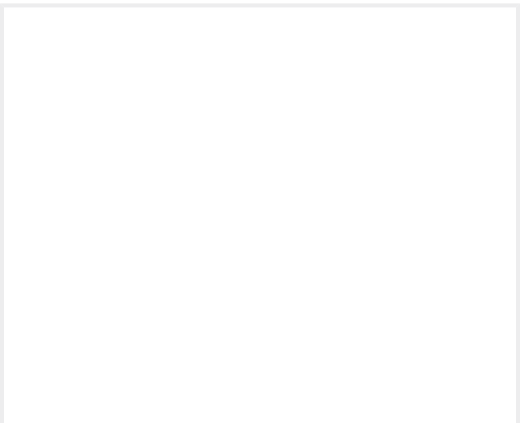
TE Part #2323881-4  
TAB1.5X0.6,MS



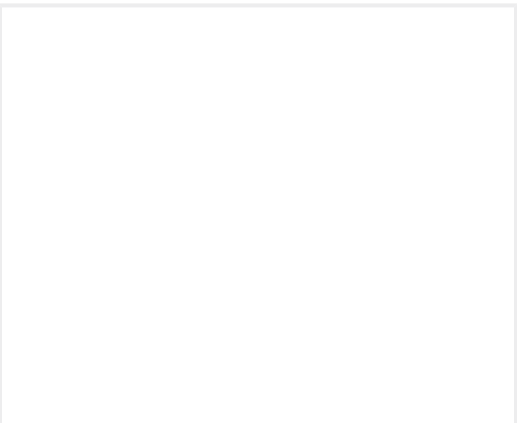
TE Part #2401856-1  
4X4 COMBO,MATE-AX,HDR ASSY,  
90DEG,SEALED



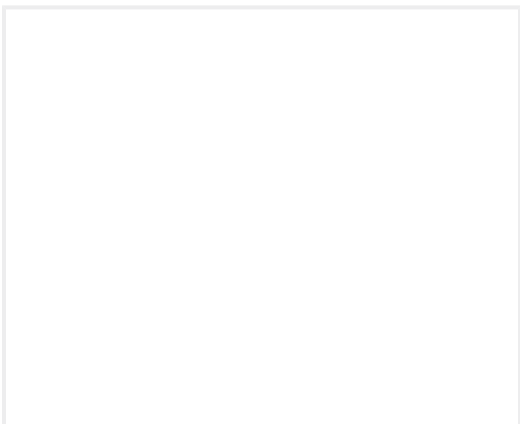
TE Part #1892200-5  
MBXLE R/A HDR 2P+24S+2P solder



TE Part #2170184-2  
20 POS SMT CONN, SFP+, 30A



TE Part #2274157-5  
SFP+ assy 2x2 Spring Fingers 4 LP Sn



TE Part #4-5223008-1  
FB-5R,ASY,030,SIG,REC,EN,3.55



TE Part #936524-2  
ECU 154P HDR ASSY

Documents

- CAD Files
- 3D PDF
- 3D



Customer View Model

[ENG\\_CVM\\_CVM\\_2170231-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2170231-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2170231-1\\_B.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English