

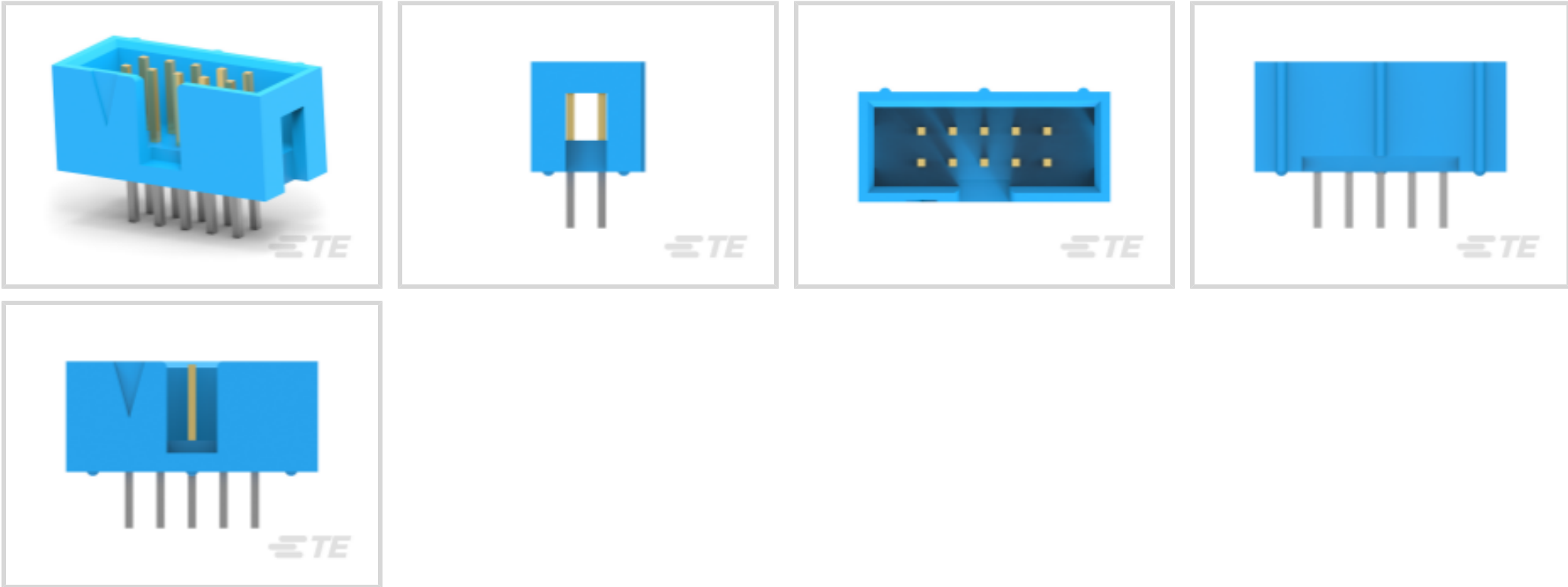


AMP-LATCH

TE Internal #: 2-1761679-3  
Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable  
Connectors

[View on TE.com >](#)

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



Connector System: **Wire-to-Board**  
Number of Positions: **10**  
Centerline (Pitch): **2.54 mm [.1 in]**  
PCB Mount Retention: **Without**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

|                                    |                       |
|------------------------------------|-----------------------|
| Connector Product Type             | Connector Assembly    |
| Ribbon Cable Connector Header Type | Pin Header            |
| Connector System                   | Wire-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

|                       |         |
|-----------------------|---------|
| Operating Voltage     | 250 VAC |
| Insulation Resistance | 5000 MΩ |

Body Features

|             |      |
|-------------|------|
| Daisy Chain | With |
|-------------|------|



|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
| Connector Profile     | Low  |

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
|                                                         | 30 µin           |
| Contact Underplating Material                           | Nickel           |
| Mating Pin Diameter                                     | .64 mm[.025 in]  |
| Mating Square Post Dimension                            | .64 mm[.025 in]  |
| Contact Shape & Form                                    | Square           |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin] |
| Contact Mating Area Plating Material                    | Gold (Au)        |
| Contact Base Material                                   | Phosphor Bronze  |
| PCB Contact Termination Area Plating Material           | Tin              |
| Contact Type                                            | Pin              |
| Contact Current Rating (Max)                            | 1 A              |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Diameter         | .64 mm[.025 in]       |
| Termination Post & Tail Length           | 4.19 mm[.165 in]      |
| Square Termination Post & Tail Dimension | .5 mm[.02 in]         |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Panel Mount Feature     | Without     |
| Mating Alignment        | With        |
| PCB Mount Alignment     | Without     |
| PCB Mount Retention     | Without     |
| Mating Alignment Type   | Center      |
| Mating Retention        | Without     |
| Connector Mounting Type | Board Mount |

Housing Features

|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Top            |
| Housing Material      | PBT            |
| Centerline (Pitch)    | 2.54 mm[.1 in] |

Dimensions

|  |
|--|
|  |
|--|



|                        |                 |
|------------------------|-----------------|
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Height       | 8.89 mm[.35 in] |
| Connector Length       | 20.32 mm[.8 in] |
| Row-to-Row Spacing     | 2.54 mm[.1 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

Operation/Application

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

Industry Standards

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

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 50      |
| Packaging Method   | Package |

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 2025 (250)<br>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

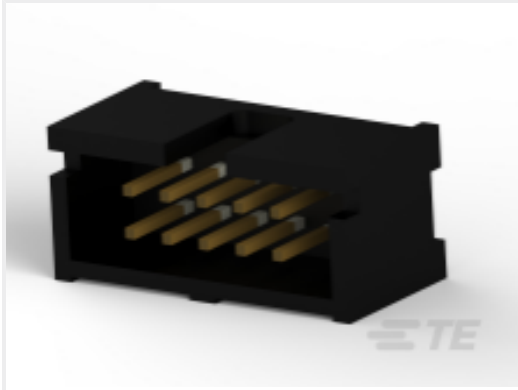


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 1658621-1  
10 NOVO MIL/CTR 15DP,LEAD FREE

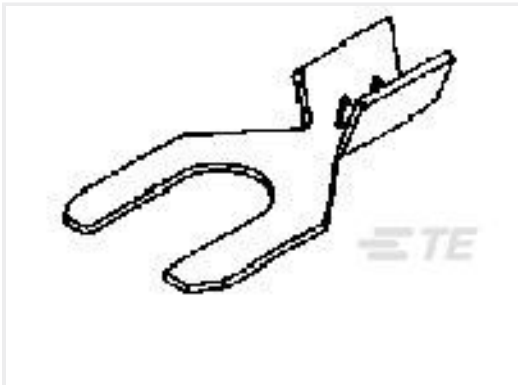


TE Part # 5103309-1  
A/L LOW PRO HDR 10P VERT BLACK

Customers Also Bought



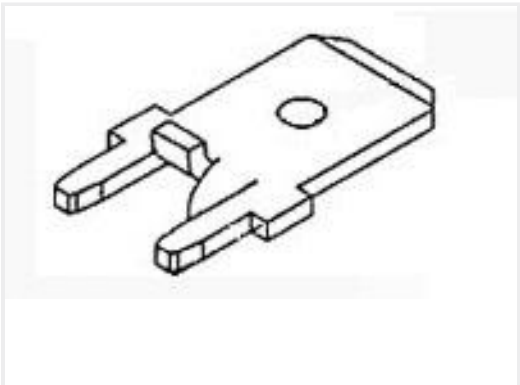
TE Part #484824-E  
STVC 96 M ABC VVV 4-00 0606 \* 8360 207 E



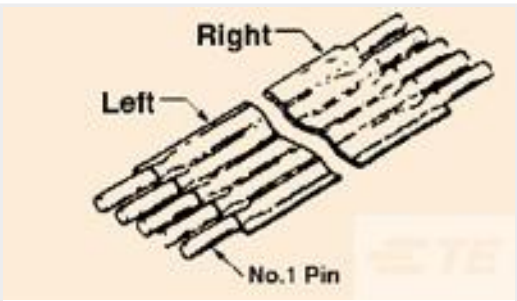
TE Part #60234-2  
SPADE 26-22 AWG TPBR



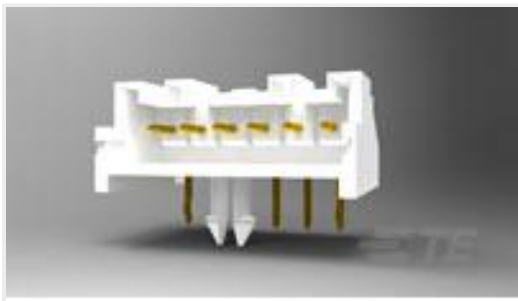
TE Part #103638-1  
02 MTE HDR SRST LATCH .100CL



TE Part #1217421-1  
250 FASTON,PCB TAB,TNBR



TE Part #1474448-1  
FSK-24A-5V6

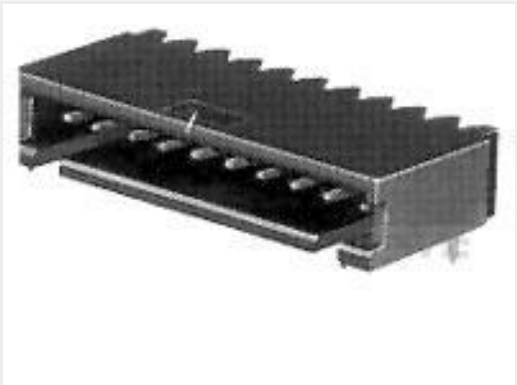


TE Part #1744426-4  
Header Housing Assy, EP 2.5 RA, 4 Pos.



TE Part #2405417-3  
3P TO 3P 300MM CABLE ASSEMBLY, 1775441-3

TE Part #Y77044-8-3PNV00400  
HERM RECP



TE Part #3-102203-4  
03 MODII HDR SRRA SHRD .100CL

Documents

- CAD Files
- 3D PDF
- 3D



Customer View Model

[ENG\\_CVM\\_CVM\\_2-1761679-3\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1761679-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1761679-3\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Product Engineering Evaluation Report](#)

English

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English