

1-1658527-9 ✓ ACTIVE



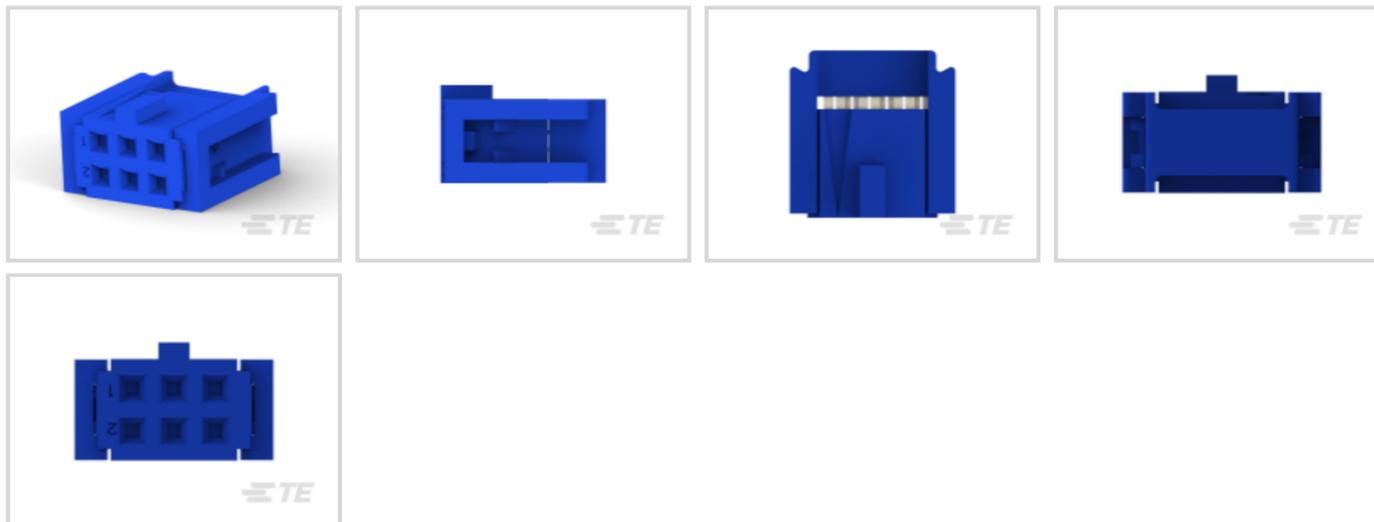
## AMP-LATCH

TE Internal #: 1-1658527-9

Wire-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, 2 Row,  
Receptacle, Wire & Cable, Signal, Cable Mount (Free-Hanging),  
Ribbon Cable Connectors

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



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

Number of Positions: **6**

Centerline (Pitch): **2.54 mm [.1 in]**

Row-to-Row Spacing: **2.54 mm [.1 in]**

Number of Rows: **2**

### Features

#### Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Connector Product Type            | Connector Assembly |
| Connector System                  | Wire-to-Board      |
| Connector & Housing Type          | Receptacle         |
| Connector & Contact Terminates To | Wire & Cable       |

#### Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 6 |
| Number of Rows      | 2 |

#### Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

#### Contact Features

|   |                         |
|---|-------------------------|
|   | 30 $\mu$ m              |
| Contact Mating Area Plating Material            | Gold (Au)               |
| Wire Contact Termination Area Plating Thickness | .127 $\mu$ m[5 $\mu$ m] |
| Wire Contact Termination Area Plating Material  | Gold Flash              |



|                              |                 |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|------------------------------|-----------------|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 1 A |
|------------------------------|-----|

### Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

### Mechanical Attachment

|                       |              |
|-----------------------|--------------|
| Mating Alignment Type | Polarization |
|-----------------------|--------------|

|                  |         |
|------------------|---------|
| Mating Retention | Without |
|------------------|---------|

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

### Dimensions

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

### Operation/Application

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

## 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: JAN 2025 (247)<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

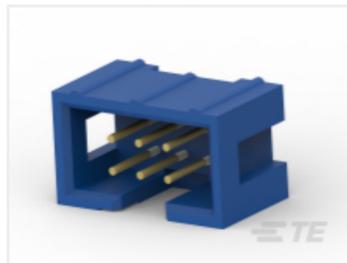


limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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>

## Compatible Parts



TE Part # 1761681-1  
IDC LOW PRO HDR 6P VERT HT  
BLACK



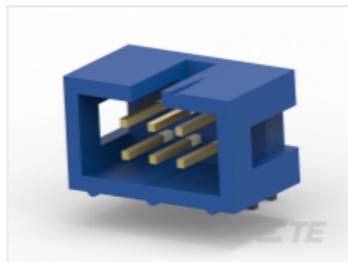
TE Part # 2-1761603-1  
IDC LOW PRO HDR 6P VERT BLUE



TE Part # 2-1761679-1  
IDC LOW PRO HDR 6P VERT BLUE



TE Part # 2-1761711-1  
IDC LOW PRO HDR 6P VERT LAT



TE Part # 2-1761605-1  
IDC LOW PRO HDR 6P RA BLUE



TE Part # 2-1761606-1  
IDC LOW PRO HDR 6P VERT LAT



TE Part # 2-1761607-1  
IDC LOW PRO HDR 6P RA LAT B

## Customers Also Bought



TE Part #513480-000  
242W042-25/225-0



TE Part #32588  
TERMINAL,PIDG SPD 12-10 8



TE Part #6-1614882-8  
CPF 0603 100K 0.1% 25PPM 5K RL



TE Part #2-1761605-7  
IDC LOW PRO HDR 20P RA BLUE



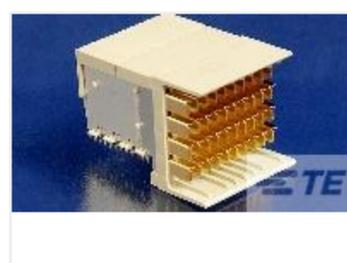
TE Part #CAT-SF59-C117ST123  
SFP+ Stacked Cage Assemblies



TE Part #1-2201855-1  
MINI I/O PLUG KIT TYPE II L



TE Part #5499913-1  
A/L UNIV HDR 10P RA SHT LAT



TE Part #6469048-1  
HMZD 4PR RA HDR 80P ASSY LF



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1658527-9\\_C.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1658527-9\\_C.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1658527-9\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[Ribbon Cable Interconnect Solutions](#)

English

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English