

AMP-LATCH

TE Internal #: 1761664-2  
Wire-to-Board, 34 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Through Hole - Solder, 2 Row, Plug, Low Profile, 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: **34**  
Centerline (Pitch): **2.54 mm [.1 in]**  
PCB Mount Retention: **Without**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 34       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Body Features

|                       |       |
|-----------------------|-------|
| Daisy Chain           | With  |
| Primary Product Color | Black |
| Connector Profile     | Low   |

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Mating Square Post Dimension                            | .64 mm[.025 in]  |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin] |
| Mating Pin Diameter                                     | .64 mm[.025 in]  |
| Contact Type                                            | Pin              |



|                                               |                 |
|-----------------------------------------------|-----------------|
|                                               | 15 µin          |
| Contact Mating Area Plating Material          | Gold            |
| Contact Shape & Form                          | Square          |
| PCB Contact Termination Area Plating Material | Tin             |
| Contact Base Material                         | Phosphor Bronze |
| Contact Current Rating (Max)                  | 1 A             |

Termination Features

|                                          |                               |
|------------------------------------------|-------------------------------|
| Square Termination Post & Tail Dimension | .5 mm[.02 in]                 |
| Termination Post & Tail Diameter         | .64 mm[.025 in]               |
| Termination Post & Tail Length           | 2.79 mm[.11 in]               |
| Termination Method to Wire & Cable       | Insulation Displacement (IDC) |
| Termination Method to PCB                | Through Hole - Solder         |

Mechanical Attachment

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

Housing Features

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

Dimensions

|                        |                  |
|------------------------|------------------|
| Shrouded End Dimension | 3.76 mm[.148 in] |
| Connector Length       | 50.8 mm[2 in]    |
| Connector Height       | 8.89 mm[.35 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   | Tube |

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)<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                     | Wave solder capable to 265°C                                                                                                    |

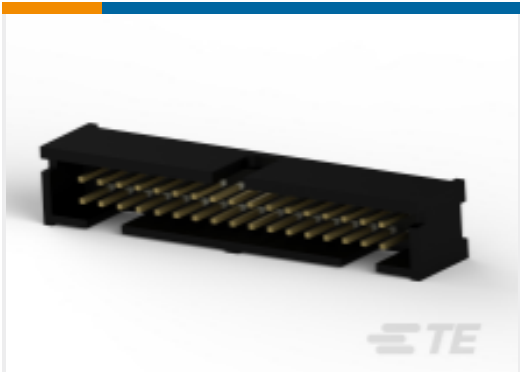
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



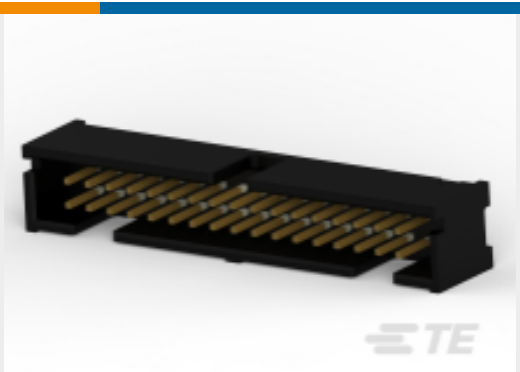




TE Part # 5103309-7  
A/L LOW PRO HDR 34P VERT BLACK



TE Part # 1658621-8  
34 NOVO MIL/CTR 15DP,LEAD FREE



TE Part # 5103308-7  
A/L LOW PRO HDR 34P VERT BLACK

Customers Also Bought



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



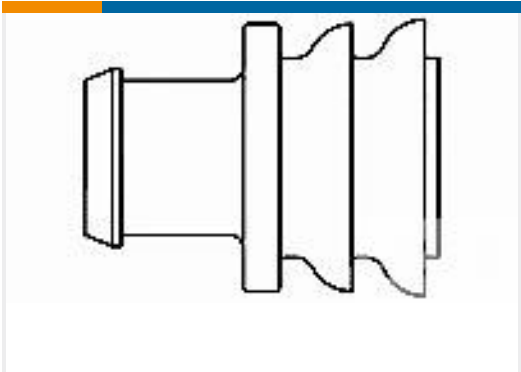
TE Part #W2S  
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

IDC LOW PRO HDR 33/34P VERT 15

English

Agency Approvals

UL Report

English