



AMP-LATCH

TE Internal #: 1-1888381-3

Ribbon Cable Connectors, Wire-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low Profile

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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: **40**

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 Mating Latch & Lock Type | Long |
| 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 | 40 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Body Features

| | |
|-----------------------|-------|
| 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 μ m[100 μ in] |
| Contact Type | Pin |
| | 30 μ in |
| Contact Mating Area Plating Material | Gold Flash |
| Contact Shape & Form | Square |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|---|-------------------------------|
| Round Termination Post & Tail Diameter | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
| Termination Method to Printed Circuit Board | 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 | With |
| Mating Retention Type | Ejection Latch |
| 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 | 3.94 mm[.155 in] |
| Connector Length | 58.5 mm[2.3 in] |
| Connector Height | 10.26 mm[.4 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 | Tray |

Other

| | |
|---------------------------------|-----------------------------------|
| Wire-to-Board Connector Comment | For Use With AMP-Latch Receptacle |
|---------------------------------|-----------------------------------|

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 1-1761606-3
IDC LOW PRO HDR 40P VERT LG LAT
BLK



TE Part # 1658621-9
40 NOVO MIL/CTR 15DP, LEAD FREE

Customers Also Bought



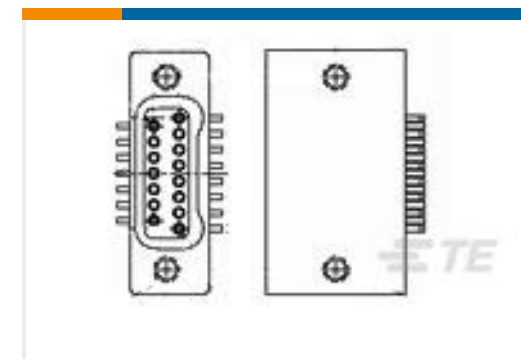
TE Part #641974-3
12P UMNL PIN HDR ASSY 94VO LF



TE Part #9-1393116-9
KUMP-7D58-12=KU



TE Part #499374-1
010 UNIV HDR SP 4S 30DP STD L2



TE Part #1589484-2
STL009L42KN = SMT CONN




TE Part #9-1437471-6
SSC22AGA=120V 50/60HZ 10/300 S



TE Part #1423008-9
T92P7D24-24



TE Part #2-826648-0
20P AMPMODU II STIFT LEI



TE Part #D22099-000
CI-239-302



TE Part #04-0979-0449
PT9420-0250-114-1110



TE Part #1106411-2
HA.10.STS.1.M20.G

Documents

Product Drawings

IDC LOW PRO HDR 40P VERT LG LA

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1888381-3_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1888381-3_C.3d_igs.zip](#)

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Customer View Model

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