



**AMP-LATCH**

TE Internal #: 1-1658526-3

Ribbon Cable Connectors, Wire-to-Board, 20 Position, .1 in [2.54 mm] Centerline, Insulation Displacement (IDC), 2 Row, Receptacle

[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: **20**

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

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

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

**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**

Compatible With Wire & Cable Type	Ribbon Cable
Number of Positions	20
Number of Rows	2

**Contact Features**

Wire Contact Termination Area Plating Thickness	2.54 – 5.08 μm[100 – 200 μin]
Wire Contact Termination Area Plating Material	Tin
	30 μin
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	1 A



### Termination Features

Rectangular Termination Post & Tail Thickness	.36 mm[.014 in]
Rectangular Termination Post & Tail Width	.46 mm[.018 in]
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

Housing Color	Blue
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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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

 <p>TE Part # CAT-AM74-UN384H AMP-LATCH UNIVERSAL HEADERS</p>	 <p>TE Part # 102312-2 UNIVERSAL HEADER LATCH</p>	 <p>TE Part # 1761681-7 IDC LOW PRO HDR 20P VERT HT BLACK</p>	 <p>TE Part # 2-1761606-7 IDC LOW PRO HDR 20P VERT LG LA BLACK</p>
 <p>TE Part # 2-1761603-7 IDC LOW PRO HDR 20P VERT BLUE</p>	 <p>TE Part # 5103310-5 A/L LOW PRO HDR 20P RA BLACK</p>	 <p>TE Part # 5103311-5 A/L LOW PRO HDR 20P RA BLACK</p>	 <p>TE Part # 1761606-7 IDC LOW PRO HDR 20P VERT LG LAT BLK</p>
 <p>TE Part # 2-1761607-7 IDC LOW PRO HDR 20P RA LG LAT</p>	 <p>TE Part # 5103309-5 A/L LOW PRO HDR 20P VERT BLACK</p>	 <p>TE Part # 5103308-5 A/L LOW PRO HDR 20P VERT BLACK</p>	 <p>TE Part # 1-111446-8 020 UNIV I/O 30DP NO EARS</p>
 <p>TE Part # 1-111504-7 020 UNIV I/O 30DP NO EARS LTCH</p>	 <p>TE Part # 5104338-4 A/L LOW PRO HDR 20P VERT HT</p>	 <p>TE Part # 5111448-4 020 UNIV I/O 30DP SLOT</p>	 <p>TE Part # 104130-4 020 LOPRO HDR RA 30DP LATCH</p>



TE Part # 2-1761679-7  
IDC LOW PRO HDR 20P VERT BLUE



TE Part # 5104340-4  
A/L LOW PRO HDR 20P RA HT GRAY



TE Part # 1761686-7  
IDC LOW PRO HDR 20P VERT LG LAT



TE Part # 2-1761712-7  
IDC LOW PRO HDR 20P RA LG LAT

## Customers Also Bought



TE Part #1-6609001-0  
10EEB1=F7533 S0



TE Part #1-5750913-7  
68 50SR CABLE CONN KIT



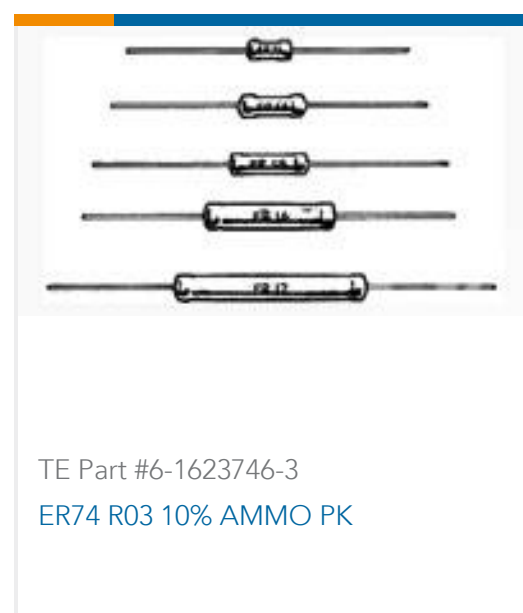
TE Part #5749195-2  
68 50SR KIT,ST,UK



TE Part #5103310-6  
A/L LOW PRO HDR 26P RA BLACK



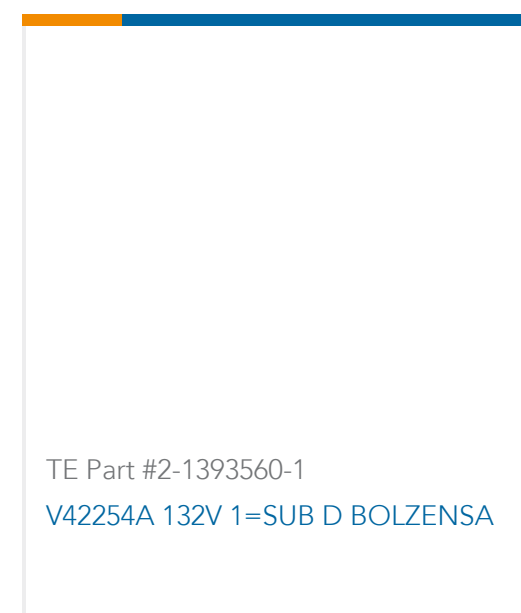
TE Part #1-1337451-0  
BNC BHSkt 50Ohm Silver Pltd



TE Part #6-1623746-3  
ER74 R03 10% AMMO PK



TE Part #8-1768048-1  
TKM75-N



TE Part #2-1393560-1  
V42254A 132V 1=SUB D BOLZENZA



TE Part #NB16012001  
RT-375-1/8-X-STK

## Documents

### Product Drawings

609-2041LF FEM SOCKT,LEAD FREE

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1658526-3\_C.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1658526-3\\_C.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1658526-3\\_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

---

**Product Environmental Compliance**

[TE Material Declaration](#)

English

---

**Instruction Sheets**

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

English