1658624-1 ✔ ACTIVE

AMP-LATCH | AMP-LATCH - NOVO

TE Internal #: 1658624-1

Ribbon Cable Connectors, Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Receptacle, AMP-LATCH - NOVO

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

Ribbon Cable Connector Header Type	Pin Header
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	10
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	Without

Primary Product Color	Black
Connector Profile	Low

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Mating Pin Diameter	.64 mm[.025 in]
Contact Type	Socket
Wire Contact Termination Area Plating Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Shape & Form	Tuning Fork
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

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	Polarization
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	17.27 mm[.68 in]
Connector Height	15.16 mm[.597 in]
Connector Width	7.49 mm[.295 in]

Wire Size	.08 – .15 mm²
Compatible Insulation Diameter Range	.79 – .94 mm[.031 – .037 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	50
Packaging Method	Box & Tube, Tube

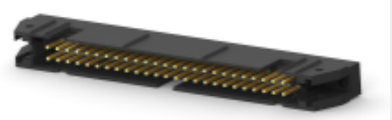
Product Compliance

For compliance documentation, visit the product page on TE.com>

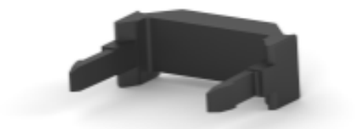
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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



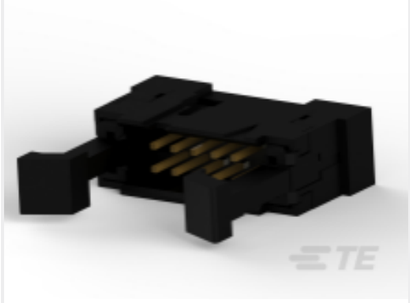
TE Part # CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS



TE Part # 499252-5
010 STRAIN RELIEF A-L RCPT

TE Part # 5088450-3
PULL LOOP, CUT LENGTH .64 IN

TE Part # 1-111446-4
10 UNIV I/O, NO EARS,LEAD FREE



TE Part # 1-111504-4
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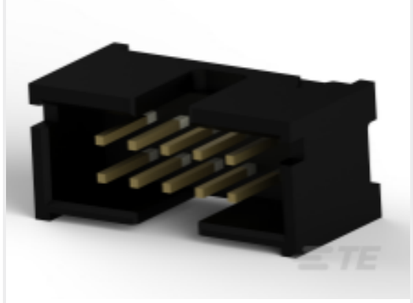
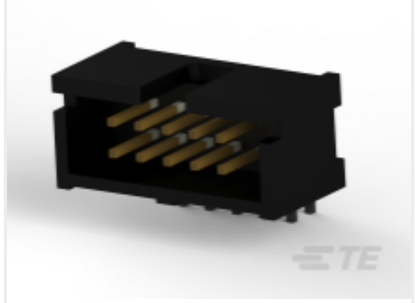
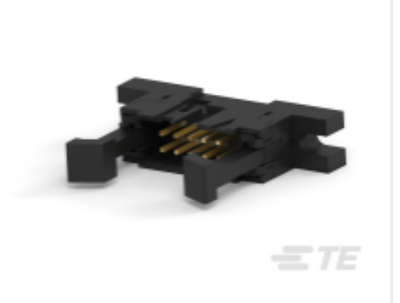


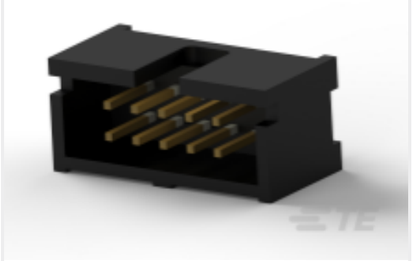
TE Part # 5104338-1
A/L LOW PRO HDR 10P VERT HT



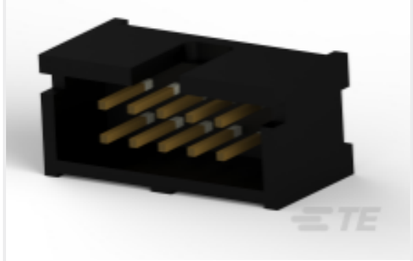
TE Part # 5103311-1
A/L LOW PRO HDR 10P RA BLACK



TE Part # 1-111506-6
010 UNIV I/O 30DP SLOT LTCH



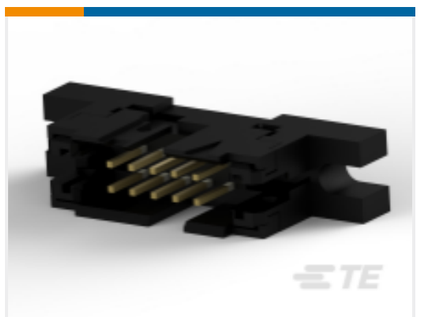
TE Part # 5103310-1
A/L LOW PRO HDR 10P RA BLACK



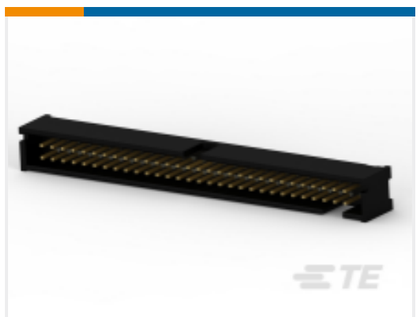
TE Part # 5103309-1
A/L LOW PRO HDR 10P VERT BLACK

TE Part # 5104340-1
A/L LOW PRO HDR 10P RA HT

TE Part # 499712-1
KEYING PLUG,NOVO RCPT

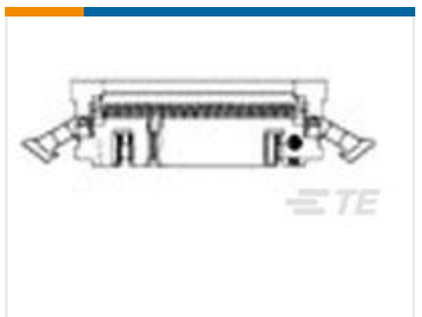


TE Part # 5111448-1
010 UNIV I/O 30DP SLOT



TE Part # 5103308-1
A/L LOW PRO HDR 10P VERT BLACK

TE Part # 1-111492-5
010 UNIV I/O 30DP NO EARS LTCH



TE Part # 1-111494-5
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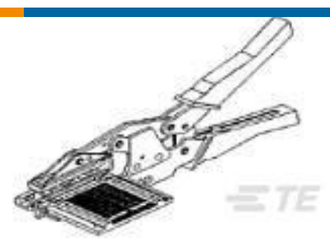
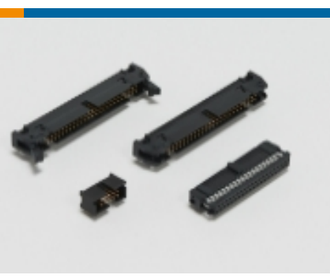


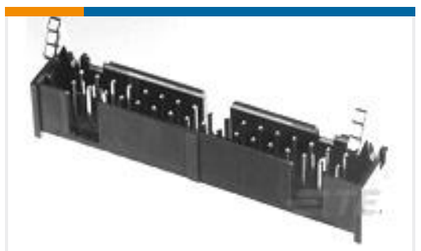
TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH

Also in the Series | AMP-LATCH - NOVO



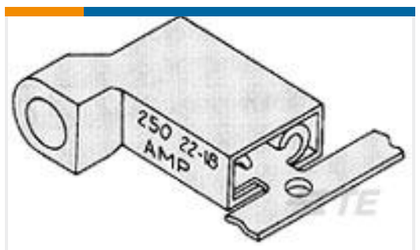
Ribbon Cable Connectors(46)

Customers Also Bought



TE Part #1761606-3
IDC LOW PRO HDR 10P VERT LG LAT BLK

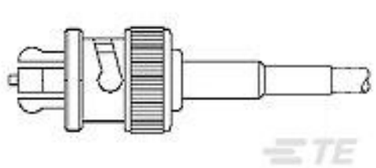
TE Part #1658621-6
26 NOVO MIL/CTR 15DP,LEAD FREE



TE Part #2-520335-2
ULTRA-FAST 187 ASY REC 22-18 TPBR

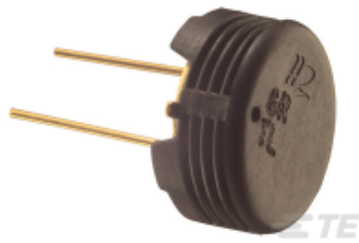
TE Part #530153-2
TDM SPRING SHUNT ASSY 2 POS

TE Part #324165
TERMINAL,PG SPD FLG 16-14 6

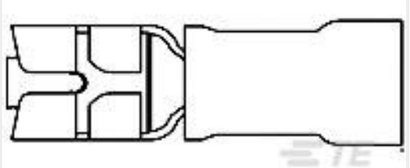


TE Part #5051426-4
SAFE HIGH VOLTAGE PLUG

TE Part #640911-1
RECEPT,PIDG FASTON 22-18 205



TE Part #HPP801A031
HS1101LF HUMIDITY SENSOR



TE Part #184268-1
RCPT,PIDG FASTON 187 LIF 22-18

Documents

Product Drawings

10 NOVO DUAL 30DP, LEAD FREE

English

CAD Files

Customer View Model

ENG_CVM_CVM_1658624-1_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658624-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1658624-1_D.3d_stp.zip

English

Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English