1-1658621-3 ✔ ACTIVE

AMP-LATCH

TE Internal #: 1-1658621-3

Wire-to-Board, 44 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Receptacle, Low Profile, Ribbon Cable Connectors

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: **44**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Positions	44
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Body Features

Daisy Chain	Without

Primary Product Color	Black
Connector Profile	Low

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.64 mm[.025 in]
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Wire Contact Termination Area Plating Material	Tin
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Tuning Fork
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Base Material	Phosphor Bronze
Wire Contact Termination Area Plating Thickness	1.27 µm[50 µin]
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment	With
PCB Mount Alignment	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

Compatible Insulation Diameter Range	.79 – .94 mm[.031 – .037 in]
Connector Width	7.49 mm[.295 in]
Wire Size	28 – 26 AWG

Connector Height	15.16 mm[.597 in]
Connector Length	60.45 mm[2.38 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

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

Packaging Features

Packaging Quantity	600
Packaging Method	Box & Tube, Tube

Product Compliance

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

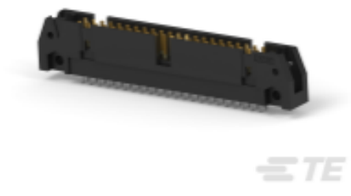
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does 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

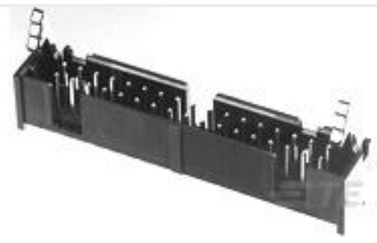
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

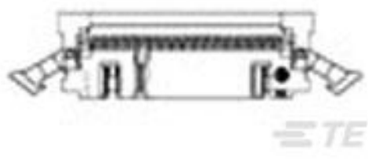
Compatible Parts



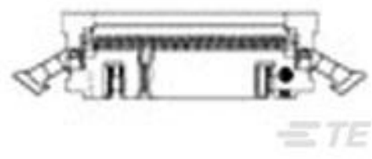
TE Part # 1-5102153-3
A/L UNIV HDR 44P VERT



TE Part # 3-1761608-4
IDC LOW PRO HDR 44P VERT SHT L



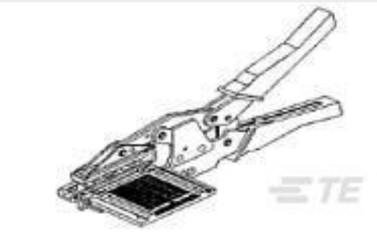
TE Part # 2-111494-3
044 UNIV I/O 30DP SLOT LTCH



TE Part # 2-111506-5
044 UNIV I/O 30DP SLOT LTCH



TE Part # 3-1761603-4
IDC LOW PRO HDR 44P VERT BLUE



TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH



TE Part # 1-499252-1
044 STRAIN RELIEF A-L RCPT

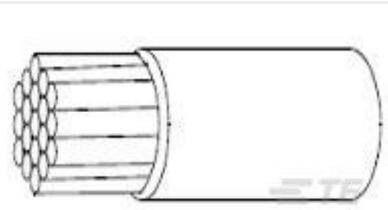


TE Part # 2-111492-4
044 UNIV I/O 30DP NO EARS LTCH

Customers Also Bought



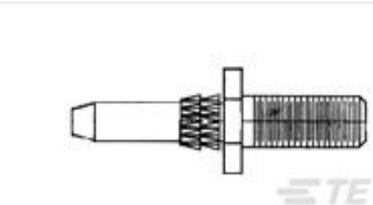
TE Part #YDIV43E19-11PNC003
RECP ASSY



TE Part #797785-000
55/0112-24-9



TE Part #1-208778-1
AMPLIMITE,SKT CONT,SZ 20



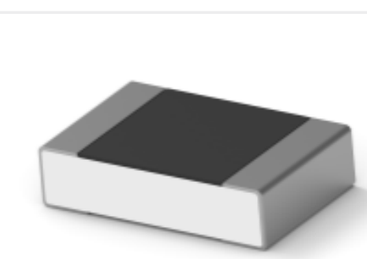
TE Part #531117-1
EXTERNAL KEY METAL



TE Part #6-1437514-7
8134-HC-5P3=CONTACT,T/L PLT. 3



TE Part #2007721-1
IMP100S,R,RA4P16C,LG,39



TE Part #2-2176381-7
RQ 0805 23K2 0.1% 10PPM 5K RL



TE Part #5102154-2
A/L UNIV HDR 14P VERT

TE Part #2-1617006-2
3SAV1694A3 = RELAY



TE Part #2169802-1
IMP,PWR,4PR,R/A,Hdr,6.9,6.9,Tin

Documents

Product Drawings

044 NOVO CTR&MIL 15DP FT

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1658621-3_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1658621-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1658621-3_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English