1-746610-5 ✔ ACTIVE

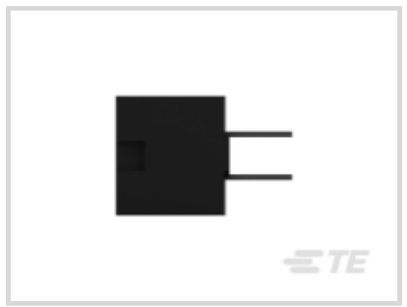
AMP-LATCH

TE Internal #: 1-746610-5

Wire-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Standard 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: **20**

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	Plug
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

Number of Positions	20
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	Standard

Contact Features

Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material	Gold
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Thickness	.127 µm[5 µin]
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Post & Tail Length	3.96 mm[.156 in]
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	Board Mount

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
Connector Width	7.06 mm[.278 in]

Wire Size	30 – 26 AWG
PCB Thickness (Recommended)	3.18 mm[.125 in]
Connector Height	6.43 mm[.253 in]
Connector Length	29.97 mm[1.18 in]
Row-to-Row Spacing	2 mm[.1 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Solder Dipped
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	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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

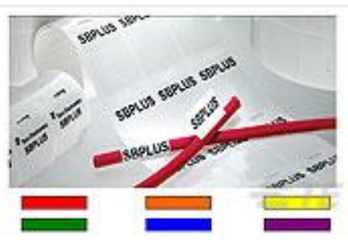


TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH



TE Part # 1658525-9
622-2053LF, PCB IDC, LEAD FREE

Customers Also Bought



TE Part #CN2896-000
SBP080150WE10

TE Part #1SNA103189R2600
SCD



TE Part #2-35476-1
TERMINAL,SOLIS R 12-10 6



TE Part #52922
TERMINAL,PIDG SPR SPD 26-22 4



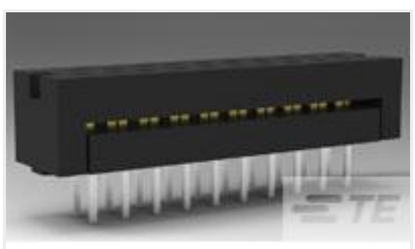
TE Part #1-66360-1
III+ SKT,18-14,30AU/FL,SMPACK



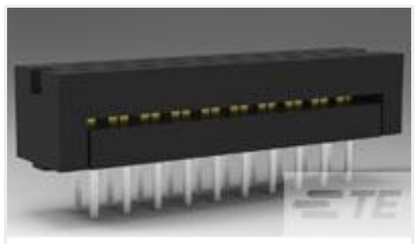
TE Part #1-499252-0
024 STRAIN RELIEF A-L RCPT



TE Part #520973-2
ULTRA-POD 187 ASSY REC 20-16 AWG TPBR



TE Part #1-746610-8
34 DIP PLUG, 100CL, LEAD FREE



TE Part #1-746610-9
40 DIP PLUG, 100CL, LEAD FREE



TE Part #965053-1
MT/JPT COVER

Documents

Product Drawings

20 DIP PLUG, 100CL, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-746610-5_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-746610-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-746610-5_F.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 Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English