3-111196-4 ✔ ACTIVE

AMP-LATCH

TE Internal #: 3-111196-4

Ribbon Cable Connectors, Cable-to-Board, 68 Position, 1.27mm [.05in] Centerline, Insulation Displacement Crimp (IDC)

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors







Connector System: **Cable-to-Board**

Number of Positions: **68**

Centerline (Pitch): **1.27 mm [.05 in]**

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

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

Features

Product Type Features

Connector Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
Number of Positions	68
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Mating Retention Feature Material	Stainless Steel

Contact Features

Contact Layout	Matrix
Mating Square Post Dimension	.38 mm[.015 in]
Mating Pin Diameter	.38 mm[.015 in]
Wire Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

Termination Features

Square Termination Post & Tail Dimension	.38 mm[.015 in]
Round Termination Post & Tail Diameter	.38 mm[.015 in]
Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)

Mechanical Attachment

Mating Alignment	With
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Housing Color	Black
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	49.78 mm[1.96 in]
Connector Height	12.32 mm[.485 in]
Connector Width	6.45 mm[.254 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

CSA File Number	LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
UL File Number	E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	20
Packaging Method	Tray

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

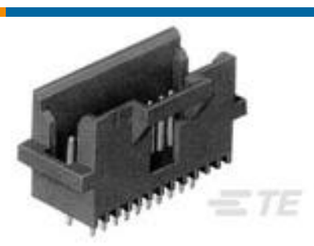
Compatible Parts



TE Part # 6-104068-8
68 SYSTEM 50 HDR DRST SHRD



TE Part # 6-104069-8
68 sys 50 hdr drra shrd sn

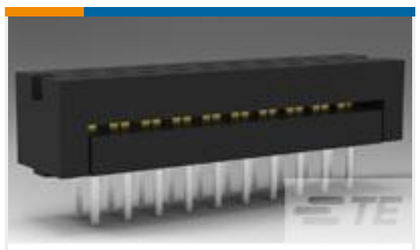


TE Part # 5-104666-8
68 SYSTEM 50 HDR DRST SHRD SN

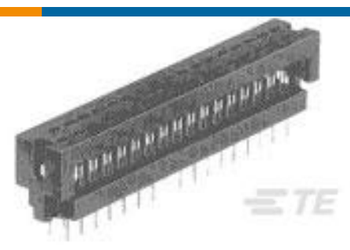
Customers Also Bought



TE Part #1658644-1
D-Sub Crimp Recpt Signal 15 Posn, Socket Size 20, Shell Size 2



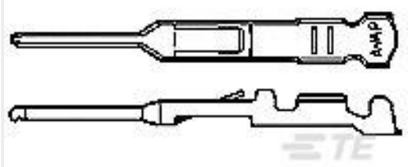
TE Part #1-746610-6
26 DIP PLUG, 100CL, LEAD FREE



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



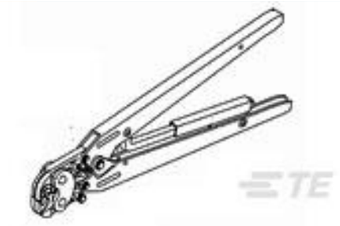
TE Part #2-111196-2
60 RCPT SYSTEM 50, LEAD FREE



TE Part #170376-1
AMP EI PIN CONTACT



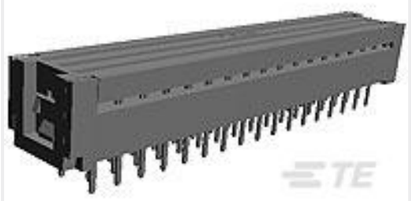
TE Part #1658660-1
D-Sub Crimp Recpt Signal 37 Posn, Socket Size 20, Shell Size 4



TE Part #1463260-1
DAHT 025 TAB REC G-Tab 22-20 ASSY



TE Part #1759546-1
0.8mm Mini PCI-Express 9.9 Height



TE Part #1-5111595-9
068 ASSY SYS 50 PADDLEBOARD



TE Part #NB19914001
VERSAFIT-1/16-0-SP

Documents

Product Drawings

68 RCPT SYSTEM 50 30 DPLX

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-111196-4_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-111196-4_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-111196-4_S.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

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English