111196-4 ✔ ACTIVE

AMP-LATCH

TE Internal #: 111196-4

Cable-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, 2 Row, Receptacle, Wire & Cable, Signal, Cable Mount (Free-Hanging), Ribbon Cable Connectors

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: **20**

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

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

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ

Body Features

Mating Retention Feature Material	Stainless Steel
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.38 mm[.015 in]
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	6.45 mm[.254 in]
Connector Height	12.32 mm[.485 in]
Connector Length	19.3 mm[.76 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	70
Packaging Method	Tray

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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



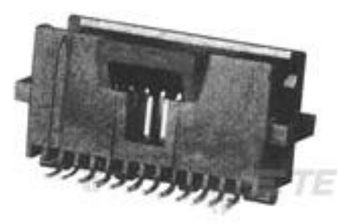
TE Part # 104666-1
20 SYSTEM 50 HDR DRST SHRD



TE Part # 104069-1
20 SYSTEM 50 HDR DRRA SHRD



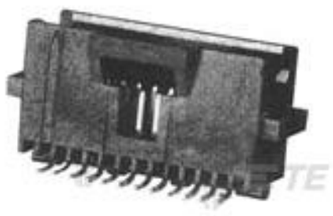
TE Part # 104068-1
20 SYSTEM 50 HDR DRST SHRD



TE Part # 147377-2
20 SYS50 SMT HDR DR SHD W/O HD



TE Part # 104477-2
20 SYSTEM 50 HDR DRRA SHRD



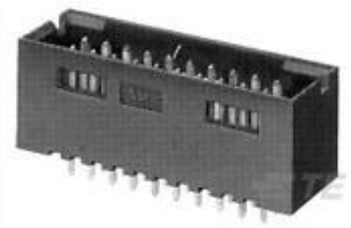
TE Part # 104549-2
20 SYS50 SURFMNT HDR DRST SHRD

Customers Also Bought

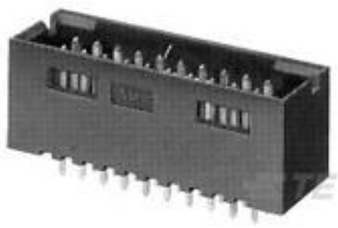
TE Part #RM54-106S
RECP ASSY



TE Part #5-103167-2
10 MODII HDR DRRA SHRD LF



TE Part #103169-3
10 MODII HDR DRST SHRD .100CL



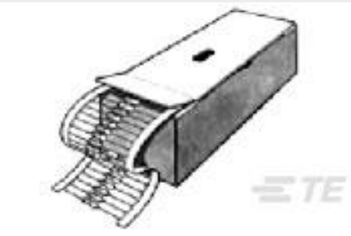
TE Part #5-103169-8
20 MODII HDR DRST SHRD .100CL



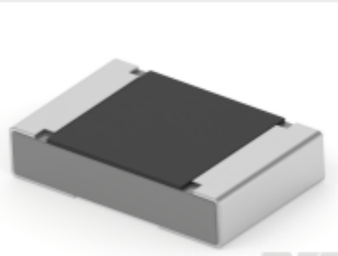
TE Part #5-1437561-1
TT11EGPC1=SW TOGGLE W/GOLD PC



TE Part #6-1625867-6
RP 1J 0.166W 29R4 0.1% 25PPM 1K RL



TE Part #1-1879927-8
EP 7W 3K3 5%



TE Part #1-2176476-3
RA73F 2A 68R1 0.1% 1K RL



TE Part #104068-1
20 SYSTEM 50 HDR DRST SHRD

Documents

Product Drawings

020 RCPT SYSTEM 50 30 DPLX

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_111196-4_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_111196-4_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_111196-4_S.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

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English