



AMP-LATCH

TE Internal #: 1-111196-8
Cable-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, 2 Row,
Receptacle, Polarization Mating Alignment Type, Ribbon Cable
Connectors

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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

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Mating Retention Feature Material	Stainless Steel
Primary Product Color	Black



Contact Features

Mating Square Post Dimension	.38 mm[.015 in]
Contact Layout	Matrix
Mating Pin Diameter	.38 mm[.015 in]
Wire Contact Termination Area Plating 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]
Termination Post & Tail Diameter	.38 mm[.015 in]
Termination Method to Wire & Cable	Insulation Displacement (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
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	17.78 mm[.7 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]
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Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	70
Packaging Method	Tray

Product Compliance

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

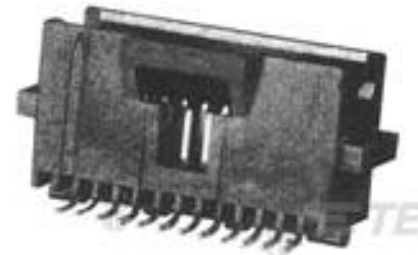
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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

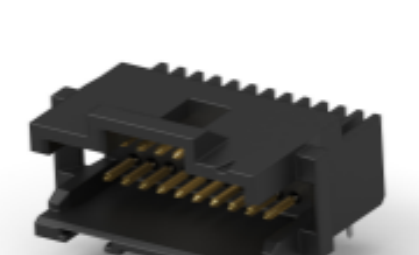
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5-104549-2
20 SYS50 S/M HDR DRST SHRDSN



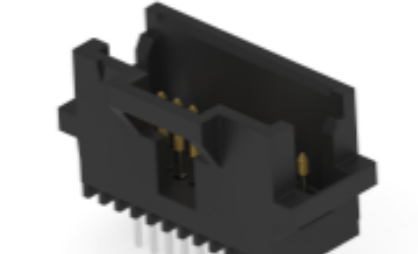
TE Part # 5-104069-1
20 sys 50 hdr drra shrd sn



TE Part # 5-104068-1
20 SYSTEM 50 HDR DRST SHRD



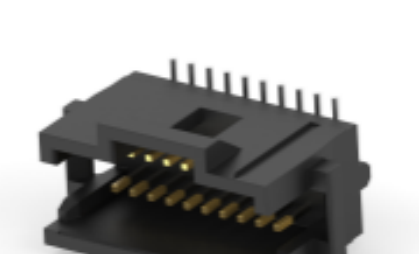
TE Part # 5-147377-2
20 SYS50 SMT HDR DR SHD SN



TE Part # 5-104666-1
20 SYSTEM 50 HDR DRST SHRD SN



TE Part # 5-104477-2
20 SYSTEM 50 HDR DRRA SHRD SN

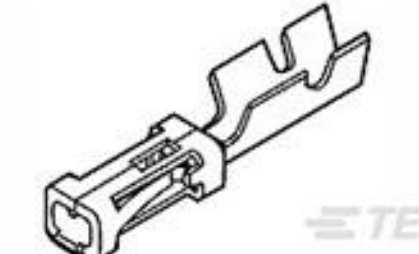


TE Part # 2-1825601-0
20 SYS50 SMT HDR DR SHD W/O CAP

Customers Also Bought



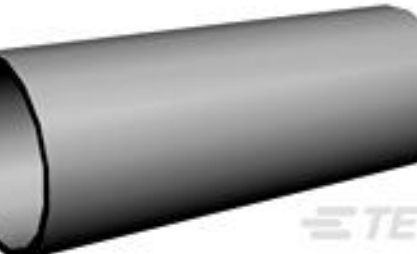
TE Part #52264-1
TERMINAL R PG 6 3/8



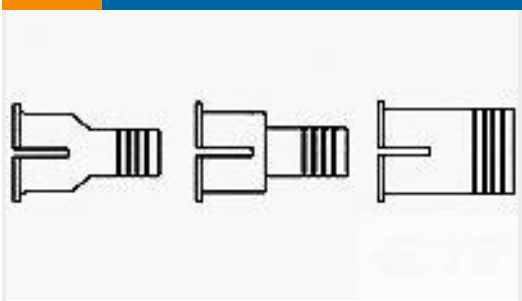
TE Part #87666-2
MOD IV RECP PLTD 30 SEL



TE Part #320749
SOLIS SPDFLG 22-16COM22-18MIL6



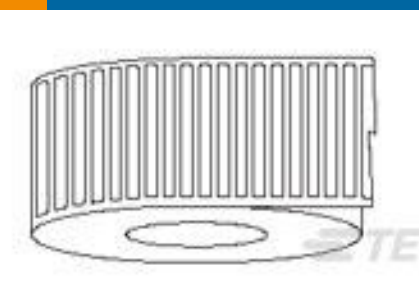
TE Part #4-745130-2
SHLDING FERRULE,PLTD,BULK PKG



TE Part #7-745129-4
SHLDING FERRULE,PLTD,BULK PKG



TE Part #2-487937-6
026 HOUSING FFC 50CL DR LATCH



TE Part #A36726-000
EP-762095-5-9

TE Part #5-1437514-7
399-HT-114=AUTOMATIC SEATING T

TE Part #5-1437514-3
399-HT-112="SEATING TOOL TIP,P

Documents



Product Drawings

20 RCPT SYSTEM 50, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-111196-8_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-111196-8_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-111196-8_S.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English