5-104078-8 ✔ ACTIVE

AMPMODU | AMPMODU System 50

TE Internal #: 5-104078-8

PCB Mount Receptacle, Vertical, Board-to-Board, 100 Position, 1.27 mm [.05 in] Centerline, Gold, Through Hole - Solder, Signal, AMPMODU System 50

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **100**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	100
Number of Rows	2
Board-to-Board Configuration	Orthogonal, Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.38 mm[.015 in]
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 µin]
Contact Layout	Matrix

PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.03 µm[1.18 µin]
Contact Type	Receptacle
Contact Current Rating (Max)	3.6 A

Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Rectangular Termination Post & Tail Width	.2 mm[.008 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Hold-Down Post
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Liquid Crystal Polymer (LCP)

Dimensions

Connector Length	64.62 mm[2.54 in]
Connector Height	8.89 mm[.35 in]
Connector Width	5.03 mm[.198 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	11.43 mm[.45 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff

Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	8
Packaging Method	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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 260°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

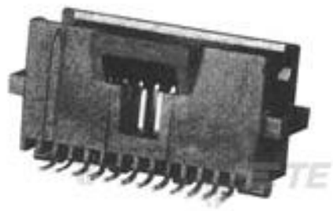
Compatible Parts



TE Part # 6-104068-7
100 SYSTEM 50 HDR DRST SHRD



TE Part # 6-104069-7
100 sys 50 hdr drra shrd sn



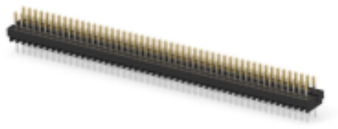
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TE Part # 5-104477-7
100 SYSTEM 50 HDR DRRA SHRD SN



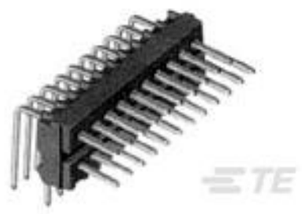
TE Part # 5-147377-8
100 SYS50 SMT HDRDR SHD SN



TE Part # 6-103916-7
100 sys 50 hdr drst unshrd sn

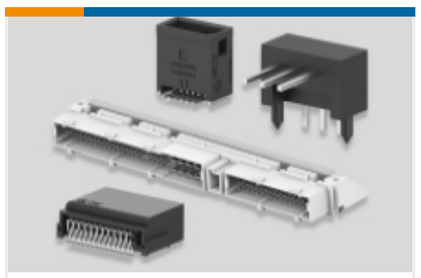


TE Part # 5-104666-6
100 SYSTEM 50 HDR DRST SHRD SN



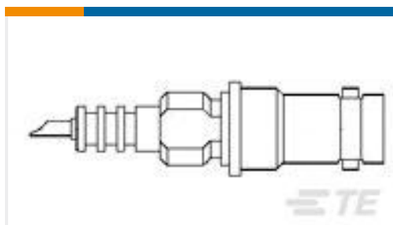
TE Part # 6-104118-7
100 SYS 50 HDR DRRA UNSHRD SN

Also in the Series | AMPMODU System 50



PCB Headers & Receptacles(1008)

Customers Also Bought



TE Part # 51494-2
STD HIGH VOLTAGE BLKHD RECEPT



TE Part # 5-104069-2
50 sys 50 hdr drra shrd sn



TE Part # 5-104078-5
50 SYSTEM 50 RCPT ASSY DRST SN



TE Part # 350792-1
04P UMML PIN HDR ASSY 94VO



TE Part # 350786-1
02P UMNL HDR ASSY 94VO



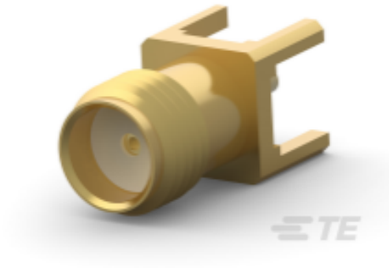
TE Part # 350777-4
02P UMNL PLUG HSG UL94V0



TE Part # 350851-7
UMNL SOK 24-18 AUNIBR



TE Part # 4-1622796-7
YR1 0.1% 113K



TE Part # 5-1814832-2
SMA Str PCB Skt GZD

Documents

Product Drawings

100 SYS 50 RCPT ASSY DRST SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-104078-8_AA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-104078-8_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-104078-8_AA.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

AMPMODU SYSTEM 50 QUICK REFERENCE GUIDE

English

AMPMODU SYSTEM 50

English

Product Specifications

Application Specification

English