5-104078-7 ✔ ACTIVE

AMPMODU | AMPMODU System 50

TE Internal #: 5-104078-7

PCB Mount Receptacle, Vertical, Board-to-Board, 80 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: **80**

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	80
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 PCB	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	51.92 mm[2.04 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	10
Packaging Method	Tube

Product Compliance

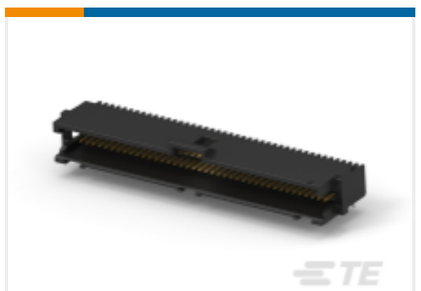
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



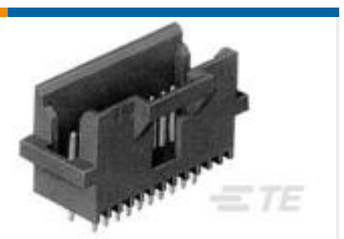
TE Part # 5-104069-3
80 sys 50 hdr drra shrd sn



TE Part # 6-104068-6
80 SYSTEM 50 HDR DRST SHRD



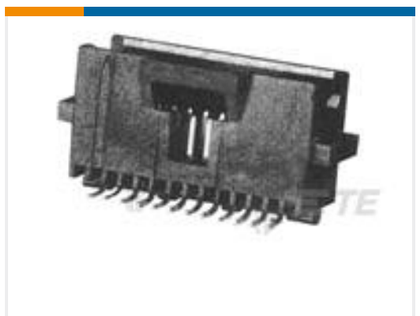
TE Part # 6-103916-6
80 sys 50 hdr drst unshrd sn



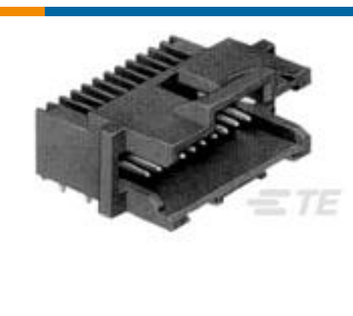
TE Part # 5-104666-5
80 SYSTEM 50 HDR DRST SHRD SN



TE Part # 5-104549-9
80 SYS50 S/M HDR DRST SHRDSN



TE Part # 5-147377-7
80 SYS50 SMT HDR DR SHD SN

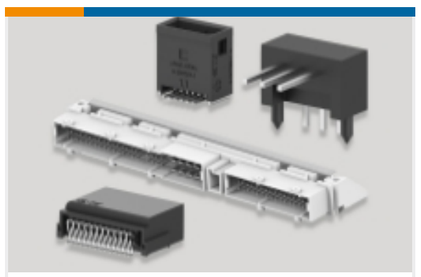


TE Part # 5-104477-6
80 SYSTEM 50 HDR DRRA SHRD SN



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

Also in the Series | AMPMODU System 50



PCB Headers & Receptacles(1007)

Customers Also Bought

TE Part #1-770967-1
03P MINI UMNL R/A HDR ASSY AU

TE Part #641300-2
MR RECPT AUPHBZ LP 26-18

TE Part #5536010-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-

TE Part #350742-4
09P UMNL PIN HDR ASSY 94VO LF



TE Part #292304-2
STD USB TYPE B, R/A, T/H



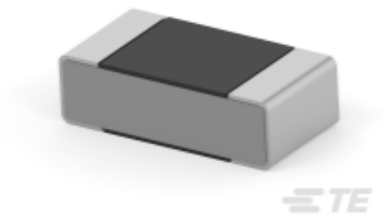
TE Part #5-104550-9
100 SYS50 SURFMNT DRST RCPT SN



TE Part #350786-3
02P UMNL HDR ASSY AU 94VO



TE Part #3-1761603-3
IDC LOW PRO HDR 40P VERT BLUE



TE Part #1-2176263-0
RN 0402 30K1 0.1% 10PPM 5K RL

Documents

Product Drawings

80 SYSTEM 50 RCPT ASSY DRST SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-104078-7_AA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-104078-7_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-104078-7_AA.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

Product Specifications

Application Specification

English