



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: **10**

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	10
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
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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	7.47 mm[.294 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 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal



Industry Standards

Agency/Standard	UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	70
Packaging Type	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 5-104549-1
10 SYS50 S/M HDR DRST SHRDSN

TE Part # 5-147377-1
10 SYS50 SMT HDR DR SHD SN

TE Part # 5-104069-4
10 sys 50 hdr drra shrd sn

TE Part # 6-104477-2
10 SYS50 HDR DRRRA 145 SOLDESN

TE Part # 5-104068-2
10 SYSTEM 50 HDR DRST SHRD

TE Part # 5-104118-3
10 SYS 50 HDR DRRRA UNSHRD SN

TE Part # 6-104666-2
10 SYSTEM 50 HDR DRST SHRD SN

TE Part # 5-103916-1
10 sys 50 hdr drst unshrd sn

Also in the Series | AMPMODU System 50

PCB Headers & Receptacles(1012)

Customers Also Bought

TE Part #826632-7
7P AMPMODU II PIN HDR.

TE Part #5520250-2
MJ,R/A,6P/4C,PNL STOPS,TRAY

TE Part #5-534237-2
04 MODII VRT SR CE 100/115

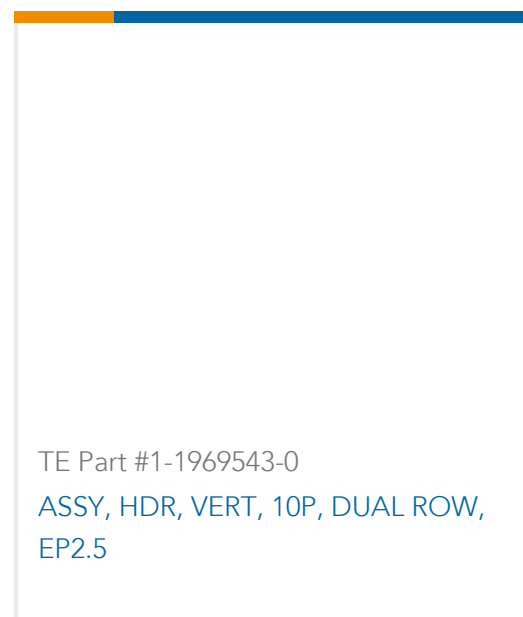
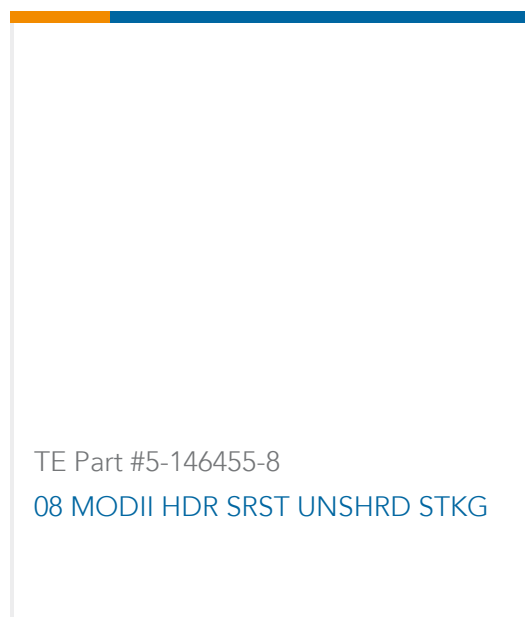
TE Part #3-2176088-4
RP 1J 0.166W 1K74 0.1% 25PPM 1K RL

TE Part #1-1969730-4
EP2.5 SHROUDED HDR ASSY 14P
VERTICAL

TE Part #1-1969730-1
EP2.5 SHROUDED HDR ASSY 11P
VERTICAL

TE Part #2151058-1
OCEAN_2.0_APPLICATOR-S-
080F1000

TE Part #2151188-1
OCEAN-2.0-APPLICATOR-S-070F0900



Documents

Product Drawings

[10 SYSTEM 50 RCPT ASSY DRST SN](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_5-104078-3_AA.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5-104078-3_AA.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5-104078-3_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

[AMPMODU SYSTEM 50 QUICK REFERENCE GUIDE](#)

English

[AMPMODU SYSTEM 50](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English