5-146763-8 ✔ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 5-146763-8

PCB Mount Receptacle, Vertical, Board-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Tin, Through Hole - Solder, Signal, Black, AMPMODU IV/V

View on TE.com >

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: **6**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms
Operating Voltage	333 VAC

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Layout	Inline
Contact Protection Type	Closed Entry Housing
Mating Square Post Dimension	.64 mm[.025 in]
	150 – 300 µin
Contact Shape & Form	Short Point
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 7.62 µm[150 – 300 µin]
Contact Type	Socket
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Polyester - GF

Dimensions

Connector Height	3.56 mm[.14 in]
Stack Height	10.92 mm[.43 in]
PCB Thickness (Recommended)	1.4 – 2.4 mm[.055 – .094 in]

Usage Conditions

Housing Temperature Rating	Standard

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	37
Packaging Type	Box, 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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 # 86286-1
KEYING PLUG

TE Part # 1-87348-0
10 MODII HDR SRST UNSHRD .100

TE Part # 6-87348-0
10 MODII HDR SRST UNSHRD .100

TE Part # 5-146497-3
06 MODII HDR DRST UNSHRD STKG

Also in the Series | AMPMODU IV/V

Automotive Housings(2)

Backplane Connector Housings(1)

Board-to-Board Connector Contacts(6)

Insertion & Extraction Tools(4)

PCB Connector Covers(18)

PCB Connector Keying(6)

PCB Connector Mounting(1)

PCB Connector Strain Relief(3)

PCB Headers & Receptacles(939)

PCB Latches, Locks & Retainers(7)

Rectangular Connector Housings(5)

Standard Rectangular Connectors(8)

Wire-to-Board Connector Assemblies & Housings(467)

Wire-to-Board Connector Contacts (326)

Documents

Product Drawings

06 MODII VRT SR CE 100

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-146763-8_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-146763-8_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-146763-8_M.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_5-146763-8_07182013016_dmtec

English

MD_5-146763-8_07182013016_dmtec

English