

2-87608-1

✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 2-87608-1

PCB Mount Header, Vertical, Board-to-Board, 50 Position, 2.54 mm

[.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder,

AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Vertical**Connector System: **Board-to-Board**Number of Positions: **50**Number of Rows: **2****Features****Product Type Features**

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	50
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	30 μ in

Contact Shape & Form	Square
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 μm [30 μin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	8.38 mm[.33 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Mating Retention Type	Detent Window
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	2.54 mm [.1 in]
Housing Material	Nylon-GF

Dimensions

Row-to-Row Spacing	2.54 mm [.1 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	CSA
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Compatible With Approved Standards Products

CSA LR7189, UL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

24

Packaging Method

Tray

Product ComplianceFor 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

BFR/CFR/PVC Free, but Br/Cl >900 ppm in
other sources.

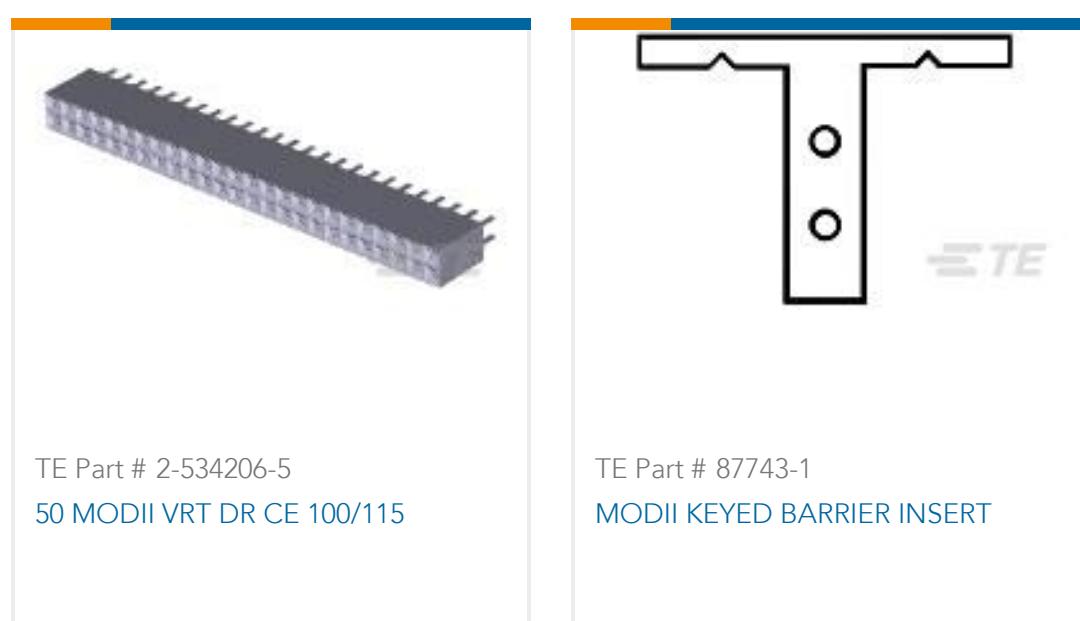
Solder Process Capability

Wave solder capable to 240°C

Product Compliance Disclaimer

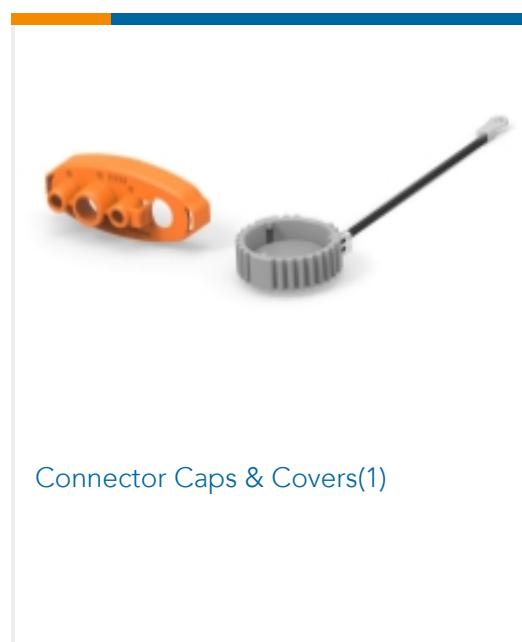
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

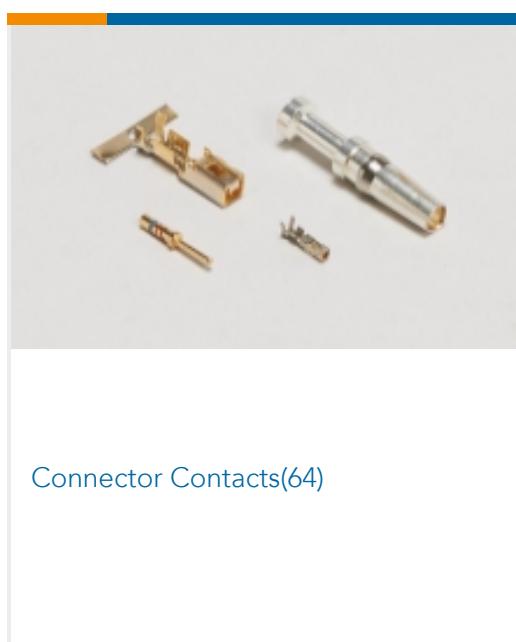
TE Part # 2-534206-5
50 MODII VRT DR CE 100/115TE Part # 87743-1
MODII KEYED BARRIER INSERT

Also in the Series

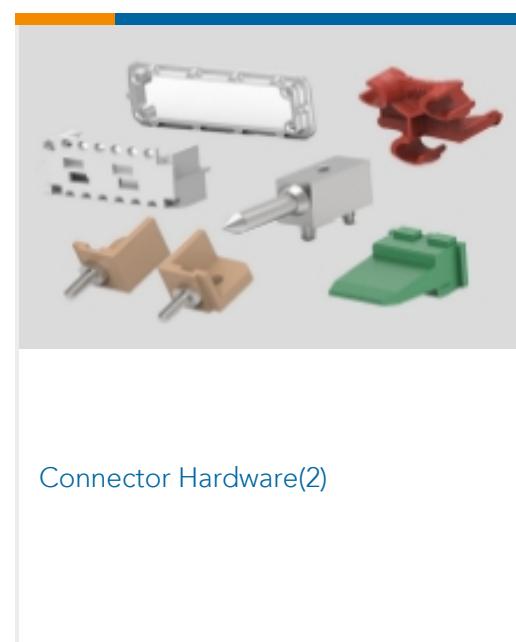
AMPMODU Headers



Connector Caps & Covers(1)



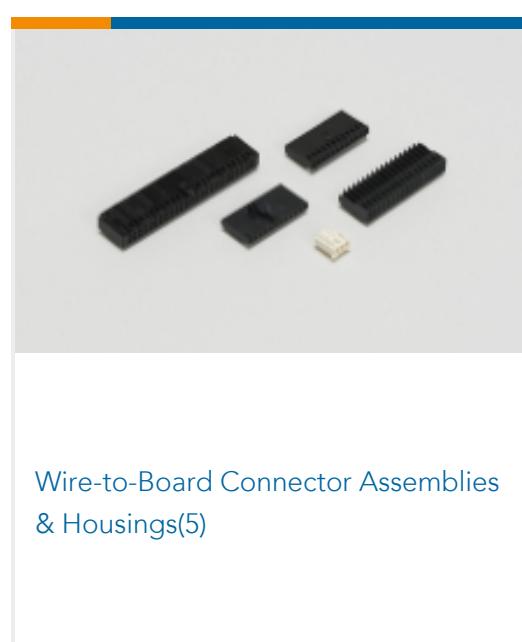
Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4349)

Wire-to-Board Connector Assemblies
& Housings(5)

Customers Also Bought

TE Part # DT04-2P
REC, 2P, GRY, NTE Part # W2S
Wedgelocks: DEUTSCH DTTE Part # 0460-202-16141
DEUTSCH Solid ContactsTE Part # 282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSINGTE Part # DT06-2S
PLG, 2P, GRY, NTE Part # 281934-2
SINGLE WIRE SEALTE Part # 114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

[50 MODII HDR DRST SHRD .100CL](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_2-87608-1_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_2-87608-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-87608-1_G.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_SECTIONS](#)

English