

147377-8 ✓ ACTIVE

AMPMODU | AMPMODU System 50

TE Internal #: 147377-8

PCB Mount Header, Vertical, Wire-to-Board / Board-to-Board, 100

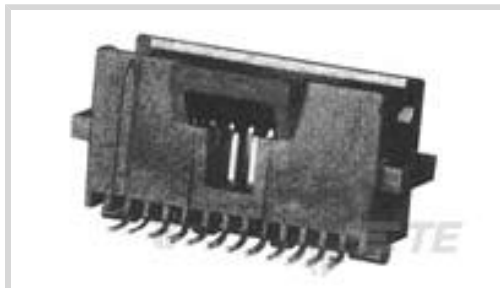
Position, .05 in [1.27 mm] Centerline, Fully Shrouded, Gold,

AMPMODU System 50

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board, Wire-to-Board**

Number of Positions: **100**

Number of Rows: **2**

Features

Product Type Features

| | |
|-----------------------------------|-------------------------------|
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Board-to-Board, Wire-to-Board |
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |
| Number of Positions | 100 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|---------------------------------------|--------|
| Dielectric Withstanding Voltage (Max) | 500 V |
| Operating Voltage | 30 VAC |

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

| | |
|----------------------|--------------|
| | 150 μ in |
| Contact Shape & Form | Round |



| | |
|---|-----------------|
| Contact Mating Area Plating Material Finish | Bright |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Pin |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|---|---------------|
| | .031 in |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Mating Retention | With |
| Panel Mount Feature | With |
| Mating Alignment | With |
| Mating Alignment Type | Latched |
| PCB Mount Retention | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 1.27 mm [.05 in] |
| Housing Material | PPA |

Dimensions

| | |
|--|-------|
| | .1 in |
|--|-------|

Usage Conditions

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

Operation/Application

| | |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application | Power & Signal |

Industry Standards

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

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 250 |
|--------------------|-----|



Packaging Type

Tape & Reel

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Not Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)
 Candidate List Declared Against: JUL 2021 (219)
 SVHC > Threshold:
 Pb (13% in component)

Article Safe Usage Statements:
 Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Reflow 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 # 1-111196-6
100 RCPT SYSTEM 50 30 DPLX



TE Part # 487937-1
100 HOUSING FFC 50CL DR LATCH



TE Part # 1-104549-0
100 SYS50 SRFMNT HDR DRST SHRD



TE Part # 104078-8
100 SYSTEM 50 RCPT ASSY DRST



TE Part # 104550-9
100 SYS50 SURFMNT DRST RCPT

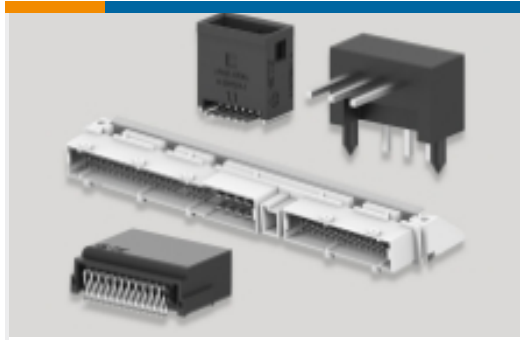


TE Part # 104744-5
100 SYSTEM 50 RCPT ASSY DRST



TE Part # 147378-8
100 SYS50 SMT RCPDR SHD W/O HD

Also in the Series | AMPMODU System 50



PCB Headers & Receptacles(1014)

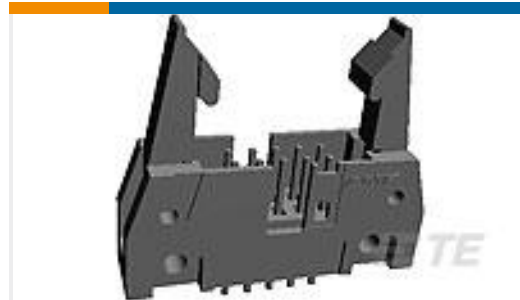
Customers Also Bought



TE Part #1-213781-0
CPC RCPT ASSY SIZE 23-19,S/L



TE Part #282888-7
TERMI-BLOK PCB 9 POS. 5 mm PIT



TE Part #499922-5
024 UNIV HDR SP 4S 15DP STD L1



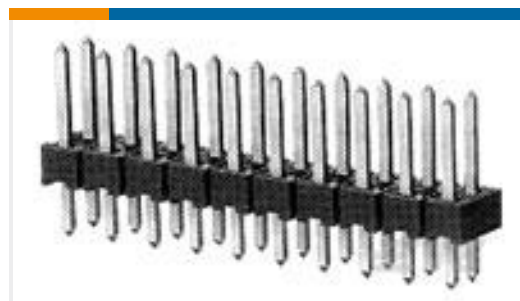
TE Part #5745085-2
HD-20 RCPT 25P RA 478



TE Part #641213-8
08P MTA100 HDR ASSY PO/ST 30AU



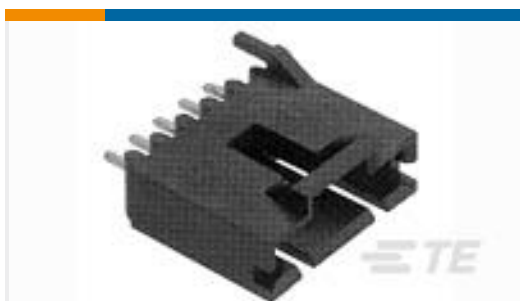
TE Part #745055-1
50 PLUG SP/AP INSRT



TE Part #1-103328-4
28 MODII HDR DRST B/A .100CL



TE Part #104450-7
08 MTE HDR SRST LATCH W/HLDWN



TE Part #104809-7
08 MTE HDR SRST LATCH W/HLDWN



CRIMPER REPRESENTATION ONLY
TE Part #1803692-2
CRIMPER, INSULATION F PREMIUM



Documents

Product Drawings

[100 SYS50 SMT HDRDR SHD W/O HD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_147377-8_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_147377-8_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_147377-8_J.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English