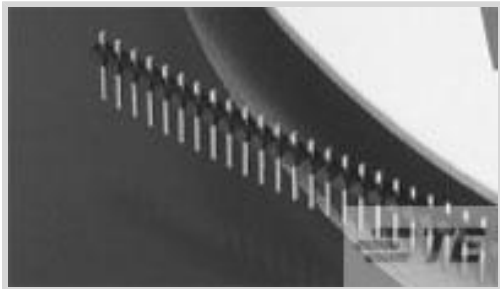




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **20**
Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Parallel

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.64 mm[.025 in] 100 - 200 μin
Contact Shape & Form	Square



Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 - 5.08 μ m[100 - 200 μ in]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 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

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 - 105 $^{\circ}$ C[-85 - 221 $^{\circ}$ F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features



Packaging Quantity	25000
Packaging Method	Box

Product Compliance

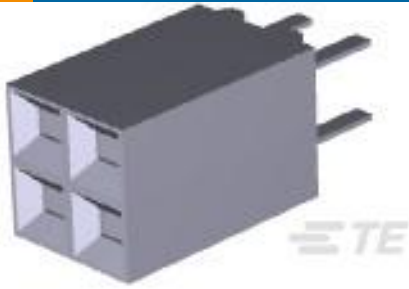
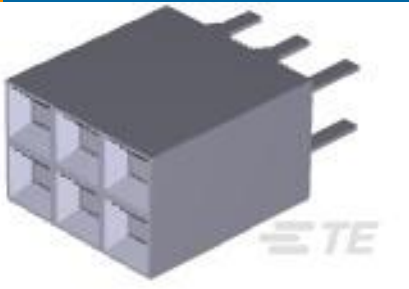
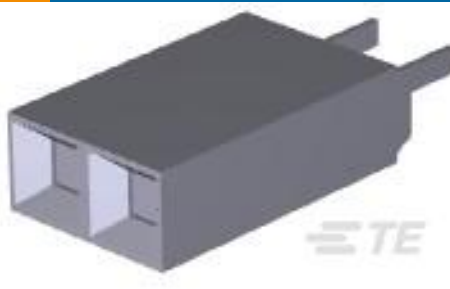
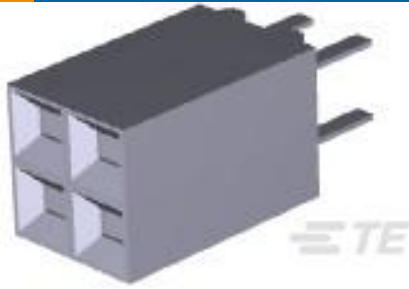
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 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 # 5-146762-9 04 MODII RCPT VERT DR	 TE Part # 6-146762-0 06 MODII RCPT VERT DR	 TE Part # 5-535585-3 02 MODIV VRT DR CE RCPT ASSY	 TE Part # 5-535585-4 04 MODIV VRT DR CE RCPT ASSY
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TE Part # 5-535585-5
06 MODIV VRT DR CE RCPT ASSY

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 # W3S
WEDGE LOCK, 3P, PLG, ORG, STD, DT

TE Part # C538733001
RAY-101-12.5(100)

TE Part # 282837-2
TERMI-BLOK PCB MOUNT 2P

TE Part # 282837-4
TERMI-BLOK PCB MOUNT 4P

TE Part # 5-1625892-4
3W SM M/OX 5% 47R

TE Part # 6-2176391-9
RQ 1206 63K4 0.1% 10PPM 5K RL

TE Part # 1062-14-0144
SOC, SF, SIZE 16, 14-18, AU/SN

TE Part # DT06-3S-CE04
PLG, 3P, GRY, E, XCAP



Documents

Product Drawings

B/A REELED DRST HDR ASSY, SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_146851-2_F_c-146851-2-f.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_146851-2_F_c-146851-2-f.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_146851-2_F_c-146851-2-f.3d_stp.zip

English

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

Agency Approvals

UL

English