

5-146282-8 ✓ ACTIVE

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TE Internal #: 5-146282-8

PCB Mount Header, Vertical, Board-to-Board, 8 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, 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: **8**

Number of Rows: **1**

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	8
Number of Rows	1
Board-to-Board Configuration	Parallel

Body Features

Primary Product Color	Black
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Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 μ in
Contact Shape & Form	Square
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 5.08 μm [100 – 200 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	2.29 mm[.09 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	LCP (Liquid Crystal Polymer), LCP-GF (Liquid Crystal Polymer)

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	200
Packaging Method	Carton

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 Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Pin-in-Paste 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>

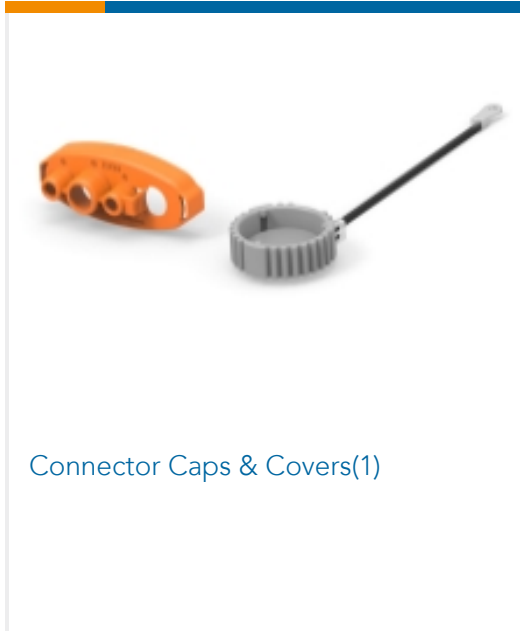
Compatible Parts

 <p>TE Part # 5-146763-2 08 MODII RCPT VERT SR</p>	 <p>TE Part # 5147733-7 08 MODII HORZ SR SFMNT SN</p>	 <p>TE Part # 5535677-9 08 MODII HORZ SR CE 100CL</p>	 <p>TE Part # 6-147729-2 13 MODIV VRT SR SFMNT SN</p>
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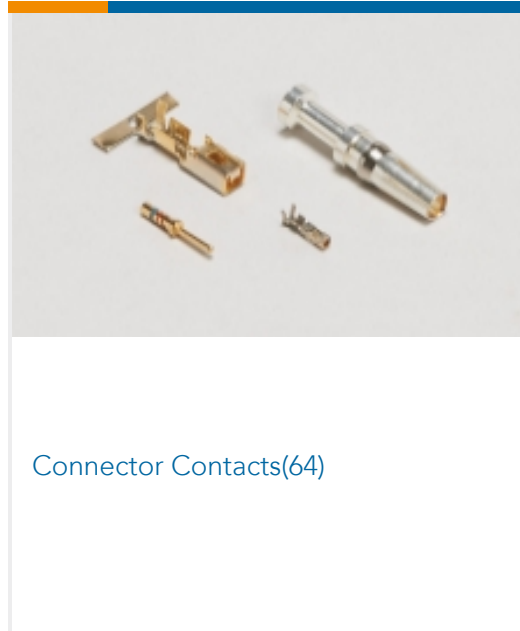


TE Part # 6-147729-7
18 MODIV VRT SR SFMNT SN

Also in the Series | AMPMODU Headers



Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4379)



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

Customers Also Bought



TE Part #5646347-1
2MM HM,ASY,T-E,HDR,08R,200,AP



TE Part #6609020-3
2EB1=F7100 S0



TE Part #1-292303-4
Std USB Type A, R/A, T/H



TE Part #2309411-5
DDR4 SODIMM 260P 8.0H STD



TE Part #207609-7
SKT HDR ASSY,3P,MMATE LF



TE Part #1218125-2
15 POS,ASSY,PLUG,LOW PROF,109



TE Part #2355005-2
Honeywell Shield Frame



TE Part #3-2176471-3
HPCR 0819 A 10% 470R Std T&R HV



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-146282-8_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-146282-8_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-146282-8_F.3d_stp.zip](#)

English

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