7-2180760-3 ✔ ACTIVE

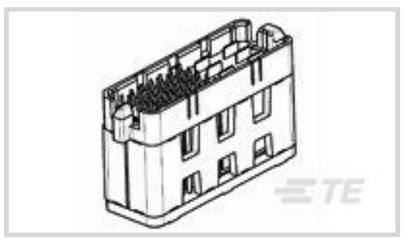
STRADA

TE Internal #: 7-2180760-3

PCB Mount Header, Vertical, Board-to-Board, 6 Position, 3.04 mm / 6.09 mm / 9.14 mm [.05 in / .24 in / .36 in] Centerline, Fully Shrouded, Gold Flash

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

Connector System: **Board-to-Board**

Number of Positions: **6**

Centerline (Pitch): **1.27 mm, 3.04 mm, 5.58 mm, 6.09 mm, 9.14 mm [.05 in, .12 in, .22 in, .24 in, .36 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Pairs	24
Stackable	No
Pairs per Column	4
Number of Positions	6
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Signal Positions	4

Electrical Characteristics

Operating Voltage	6 VDC

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.69 mm, 4.5 mm[.027 in][.177 in]
PCB Contact Termination Area Plating Material Thickness	.5 – 2.54 µm[19.68 – 100 µin]
Contact Layout	Staggered
Contact Base Material	Copper Alloy
Mating Tab Thickness	.3 mm, .41 mm[.011 in][.015 in]
Contact Mating Area Plating Material	Gold Flash
Contact Type	Pin
Contact Current Rating (Max)	1.5 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]

Termination Features

Rectangular Termination Post & Tail Width	.43 mm, .73 mm[.016 in][.029 in]
Rectangular Termination Post & Tail Thickness	.15 mm, .3 mm[.005 in][.011 in]
Termination Post & Tail Length	1.45 mm[.057 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	With
PCB Mount Alignment Type	Post Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	1.27 mm, 3.04 mm, 5.58 mm, 6.09 mm, 9.14 mm[.05 in][.12 in][.22 in][.24 in][.36 in]
Housing Material	Matte

Dimensions

Connector Height	22.8 mm[.897 in]
Stack Height	23 mm[.905 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	24
Packaging Method	Tray

Product Compliance

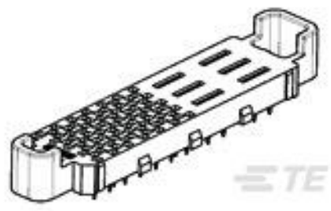
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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

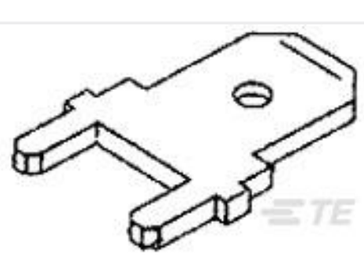


TE Part # 5-2180761-1
STRADA MESA,RC,HF,024,000,06,SN, Y,NA

Customers Also Bought



TE Part #224517-E
MSPEED 50 F SMDTHR F10 * AB VV 137 094 *



TE Part #63525-1
187 FASTON TAB TPBR



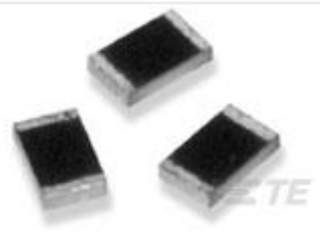
TE Part #966645-8
2x8P HV100 REC. CON, SMD, GOLD, TUBE PACK



TE Part #1-1469387-1
ATCA GUIDE MODULE VERT SHORT



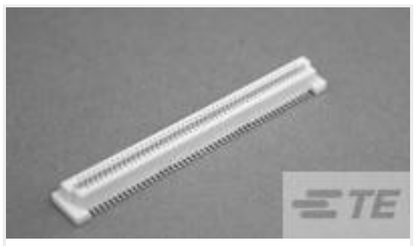
TE Part #1735284-5
SATA BACKPLANE RECEPTACLE, VERTICAL, SMT



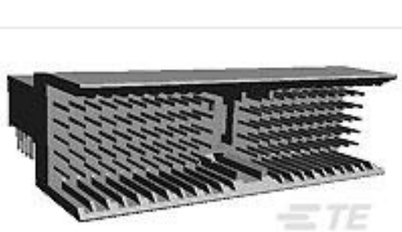
TE Part #5-1879267-0
RP 2B 1M0 0.1% 15PPM 1K RL



TE Part #8-2176092-4
RP 2A 0.25W 5K9 0.1% 25PPM 1K RL



TE Part #5177983-6
0.8FH,R05H.5,140,08/Sn,TU



TE Part #5352131-1
Z-PACK/B RAMH.110P.



TE Part #5406203-3
MJ ASSY,4P,8POS,SH,CAT5,NS P/O

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-2180760-3_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-2180760-3_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-2180760-3_1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English