

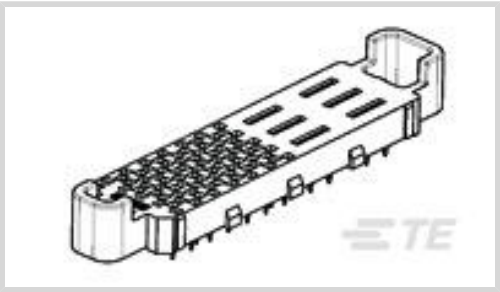


STRADA

TE Internal #: 5-2180761-1  
PCB Mount Receptacle, Vertical, Board-to-Board, 6 / 83 Position,  
1.27 mm / 3.04 mm / 9.14 mm [.05 in / .24 in / .36 in] Centerline,  
Gold (Au)

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **6, 83**  
Centerline (Pitch): **1.27 mm, 3.04 mm, 6.09 mm, 9.14 mm [ .05 in, .12 in, .24 in, .36 in ]**

Features

Product Type Features

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

Configuration Features

Number of Pairs	24
Number of Loaded Positions	83
Number of Signal Positions	4
Number of Power Positions	6
Board-to-Board Configuration	Parallel
Stackable	No
Pairs per Column	4
PCB Mount Orientation	Vertical
Number of Positions	6, 83

Electrical Characteristics

Operating Voltage	6 VDC
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Body Features

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Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.076 μm[3 μin]
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]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1.5 A, 18 A

Termination Features

Rectangular Termination Post & Tail Width	.43 mm, .74 mm[.016 in][.029 in]
Rectangular Termination Post & Tail Thickness	.15 mm, .2 mm[.005 in][.008 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
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

PCB Thickness (Recommended)	.06 mm[.8 in]
Connector Height	7.29 mm[.287 in]



Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	32
Packaging Method	Package

Product Compliance

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

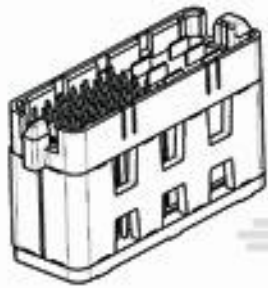
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

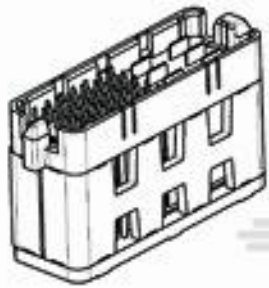
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 8-2180760-7  
[STRADA MESA,HD,HF,024,000,06,SN,Y,37](#)



TE Part # 7-2180760-3  
[STRADA MESA,HD,HF,024,000,06,SN,Y,23](#)

Customers Also Bought



TE Part #1-2007492-7  
[SFP+assy2x1 EMI Sprg Outer Lp Sn Enhance](#)

TE Part #1-292286-1  
[UNIVERSAL POWER MODULE,3P,R/A HEADER](#)

Documents

- CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2180761-1\\_2.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2180761-1\\_2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2180761-1\\_2.3d\\_stp.zip](#)

English

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

- Product Specifications

Application Specification

English