

5-2149521-1 ✓ ACTIVE



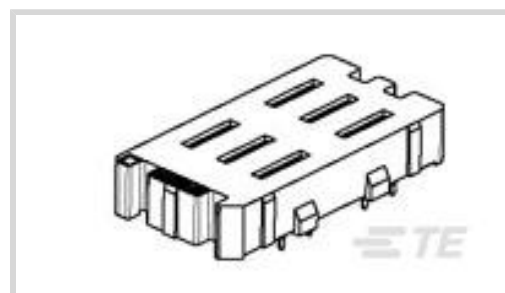
STRADA

TE Internal #: 5-2149521-1

PCB Mount Receptacle, Vertical, Board-to-Board, 6 Position, 9.14 mm [.36 in] Centerline, Gold, Through Hole - Press-Fit, Power & Signal, Black, Tray

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **3**

Features

Signal Characteristics

Data Rate	16 Gb/s
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Electrical Characteristics

Impedance	100 Ω
Operating Voltage	6 VDC
Insulation Resistance	1000 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC

Dimensions

PCB Thickness (Recommended)	.06 mm[.8 in]
Connector Height	4.49 mm[.176 in]

Packaging Features

Packaging Quantity	48
Packaging Method	Tray

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

Termination Features

Rectangular Termination Post & Tail Width	.74 mm[.029 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	2.05 mm[.08 in]
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.076 μm [3 μin]
Mating Tab Width	4.5 mm[.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[.011 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Socket
Contact Current Rating (Max)	18 A

Housing Features

Mating Entry Location	Top
Housing Material	LCP (High Temp Thermoplastic)
Centerline (Pitch)	9.14 mm[.36 in]

Configuration Features

Number of Pairs	0
Number of Signal Positions	0
Number of Power Positions	6
Board-to-Board Configuration	Parallel
Stackable	No
Pairs per Column	0
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	3



Product Type Features

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

Body Features

Primary Product Color	Black
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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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

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

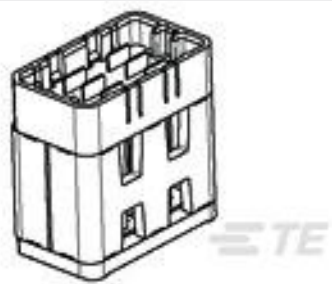
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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

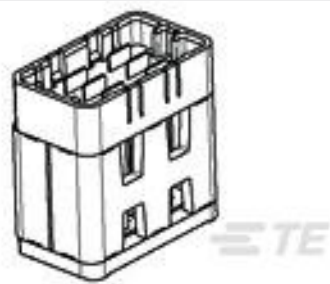
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

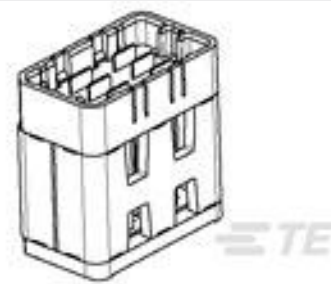
Compatible Parts



TE Part # 7-2149520-2
STRADA MESA,HD,HF,000,000,06,SN,
N,22



TE Part # 9-2149520-0
STRADA MESA,HD,HF,000,000,06,SN,
N,40



TE Part # 7-2149520-5
STRADA MESA,HD,HF,000,000,06,SN,
N,25

Customers Also Bought



TE Part #1410142-1
MULTIGIG RT T2 .8" BP FULL RGH



TE Part #292254-2
CT RELAY HDR ASSY 2P NAT



TE Part #YDTS24F13-98PNV001
RECP ASSY



TE Part #1410187-3
MULTIGIG RT T2 7RW DC DF CT



TE Part #1410189-3
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part #1410186-1
MULTIGIG RT T2 .8" BP H-LFT



TE Part #1410140-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part #32441
TERMINAL,PIDG R 16-14 4

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_5-2149521-1_A.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model



[ENG_CVM_CVM_5-2149521-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-2149521-1_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English