

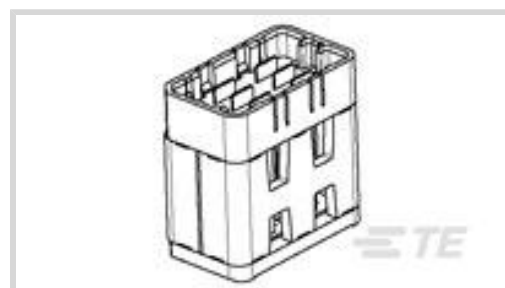
**STRADA**

TE Internal #: 7-2149520-5

PCB Mount Header, Vertical, Board-to-Board, 6 Position, 1.27 mm /
3.04 mm / 6.09 mm [.05 in / .12 in / .24 in] Centerline, Fully
Shrouded, Gold Flash

[View on TE.com >](#)

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: **6**Number of Rows: **3****Features****Signal Characteristics**

Data Rate	16 Gb/s
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Electrical Characteristics

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

Dimensions

Stack Height	25 mm[.984 in]
PCB Thickness (Recommended)	.06 mm[.8 in]
Connector Height	24.8 mm[.976 in]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power & Signal

Mechanical Attachment

Mating Retention	With
PCB Mount Alignment Type	Post Polarization
PCB Mount Retention	With
PCB Mount Alignment	With



Connector Mounting Type	Board Mount
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Mating Alignment	With
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Termination Features

Rectangular Termination Post & Tail Width	.73 mm[.029 in]
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Rectangular Termination Post & Tail Thickness	.3 mm[.011 in]
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Termination Post & Tail Length	2.05 mm[.08 in]
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Termination Method to PCB	Through Hole - Press-Fit
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Contact Features

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

Mating Entry Location	Top
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Housing Material	LCP (High Temp Thermoplastic)
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Centerline (Pitch)	3.04 mm, 6.09 mm, 1.27 mm[.24 in][.12 in][.05 in]
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Configuration Features

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

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
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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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>](#)

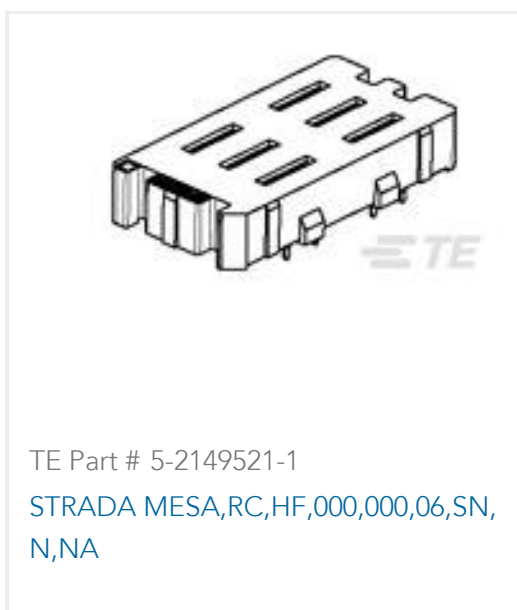
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

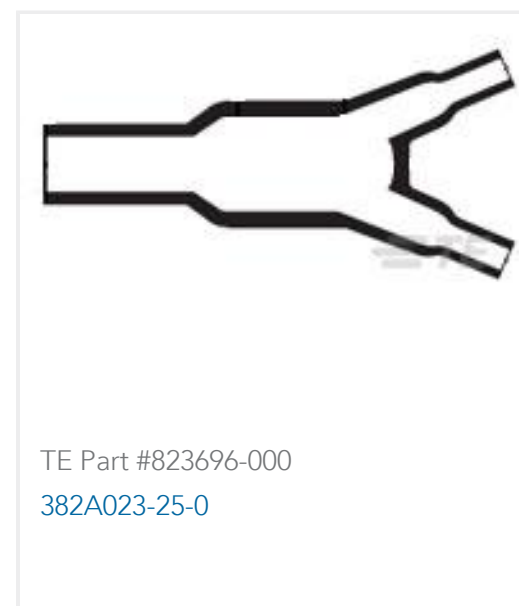
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Customers Also Bought



Documents

Product Drawings

[STRADA MESA,HD,HF,000,000,06,SN,N,25](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_7-2149520-5_A.2d_dxf.zip](#)

English



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_7-2149520-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-2149520-5_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English