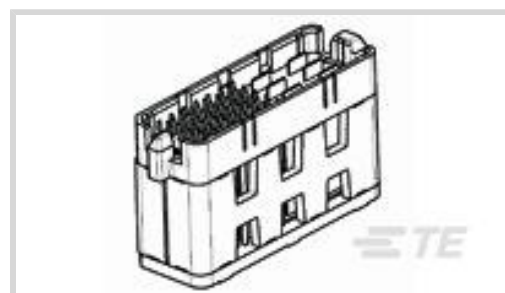




## STRADA

TE Internal #: 7-2180760-3

PCB Mount Header, Vertical, Board-to-Board, 6 Position, 1.27 mm /  
3.04 mm / 6.09 mm [.12 in / .24 in / .36 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**Centerline (Pitch): **5.58 mm, 9.14 mm, 3.04 mm, 1.27 mm, 6.09 mm** [.24 in, .22 in, .12 in, .36 in, .05 in]

## Features

### Electrical Characteristics

Operating Voltage	6 VDC
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### Dimensions

Stack Height	23 mm[.905 in]
PCB Thickness (Recommended)	.06 mm[.8 in]
Connector Height	22.8 mm[.897 in]

### Packaging Features

Packaging Quantity	24
Packaging Method	Tray

### 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
Mating Alignment	With



### Termination Features

Rectangular Termination Post & Tail Width	.43 mm, .73 mm [.016 in] [.029 in]
Rectangular Termination Post & Tail Thickness	.3 mm, .15 mm [.005 in] [.011 in]
Termination Post & Tail Length	1.45 mm [.057 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 $\mu$ m [3 $\mu$ in]
Mating Tab Width	4.5 mm, .69 mm [.177 in] [.027 in]
PCB Contact Termination Area Plating Material Thickness	.5 – 2.54 $\mu$ m [19.68 – 100 $\mu$ in]
Contact Layout	Staggered
Contact Base Material	Copper Alloy
Mating Tab Thickness	.41 mm, .3 mm [.011 in] [.015 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold Flash
Contact Type	Pin
Contact Current Rating (Max)	1.5 A

### Housing Features

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

### Configuration Features

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

### 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>](#)

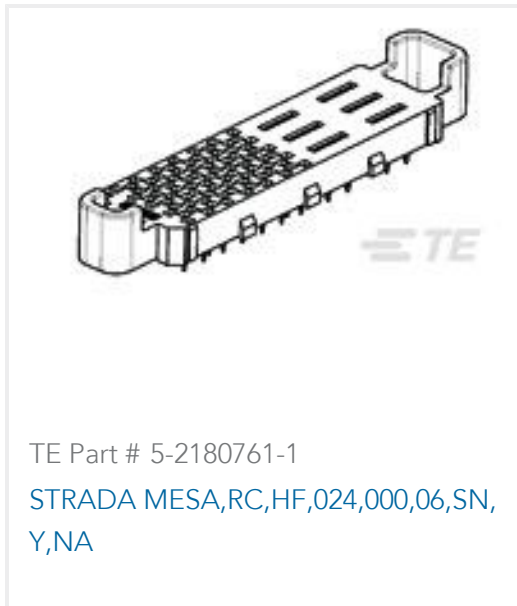
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does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

[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

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**Product Specifications**

[Application Specification](#)

English