

**STRADA**

TE Internal #: 7-2057460-5

PCB Mount Header, Vertical, Board-to-Board, 190 Position, 3.04 mm / 2.28 mm / 6.09 mm [.05 in / .12 in / .09 in] Centerline, Fully Shrouded, Gold

[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: **190**Centerline (Pitch): **1.27 mm, 2.28 mm, 3.04 mm, 6.09 mm [.05 in, .09 in, .12 in, .24 in]****Features****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

Configuration Features

Pairs per Column	8
Number of Power Positions	6
Number of Pairs	56
Number of Loaded Positions	184
Stackable	Yes
Number of Signal Positions	8
PCB Mount Orientation	Vertical
Number of Positions	190
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	1000 MΩ



Impedance	100 Ω
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Operating Voltage	250 VAC
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Signal Characteristics

Data Rate	16 Gb/s
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Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Staggered
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Mating Tab Width	.69 mm, 4.5 mm [.027 in][.177 in]
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Mating Tab Thickness	.3 mm, .41 mm [.011 in][.015 in]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Shape & Form	Round
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
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Contact Type	Pin
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Contact Current Rating (Max)	1.5 A
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Termination Features

Rectangular Termination Post & Tail Thickness	.15 mm, .3 mm [.005 in][.011 in]
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Rectangular Termination Post & Tail Width	.43 mm, .73 mm [.016 in][.029 in]
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Termination Post & Tail Length	1.45 mm, 2.05 mm [.057 in][.08 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Mating Retention	With
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Mating Alignment	With
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	1.27 mm, 2.28 mm, 3.04 mm, 6.09 mm [.05 in][.09 in][.12 in][.24 in]
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Housing Material	LCP (High Temp Thermoplastic)
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Dimensions

Connector Height	24.8 mm[.975 in]
Stack Height	25 mm[.984 in]
PCB Thickness (Recommended)	.06 mm[.8 in]

Usage Conditions

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

Assembly Process Feature	None
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	24
Packaging Type	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 2022 (224) Candidate List Declared Against: JUN 2012 (84) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 5-2057461-1
STRADA MESA,RC,ST,056,000,06,SN,
N,NA

Documents

Product Drawings

[STRADA MESA,HD,ST,056,000,06,SN,N,25](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_7-2057460-5_9.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_7-2057460-5_9.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-2057460-5_9.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English