

**STRADA**

TE Internal #: 7-2057360-5

PCB Mount Header, Vertical, Board-to-Board, 259 Position, 6.09 mm / 3.04 mm / 1.27 mm [.05 in / .24 in / .12 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: **259**Centerline (Pitch): **1.27 mm, 3.04 mm, 6.09 mm [.05 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	0
Number of Pairs	80
Number of Loaded Positions	259
Number of Signal Positions	8
PCB Mount Orientation	Vertical
Number of Positions	259
Board-to-Board Configuration	Parallel

**Electrical Characteristics**

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



### Signal Characteristics

Data Rate	16 Gb/s
-----------	---------

### Body Features

Primary Product Color	Black
-----------------------	-------

### Contact Features

Mating Tab Width	.69 mm[.027 in]
Mating Tab Thickness	.41 mm[.015 in]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.076 $\mu$ m[3 $\mu$ in]
Contact Type	Pin
Contact Current Rating (Max)	1.5 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.15 mm[.005 in]
Rectangular Termination Post & Tail Width	.43 mm[.016 in]
Termination Post & Tail Length	1.45 mm[.057 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

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

### Usage Conditions

--	--



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

### Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

## 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



## Documents

### Product Drawings

[STRADA MESA,HD,ST,080,000,00,SN,N,25](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2057360-5\\_A.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2057360-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2057360-5\\_A.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