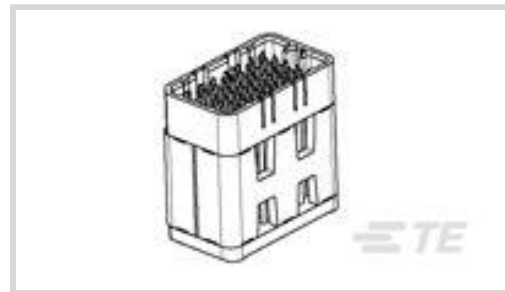


**STRADA**

TE Internal #: 7-2143410-5

PCB Mount Header, Vertical, Board-to-Board, 83 Position, 3.04 mm / 1.27 mm / 6.09 mm [.24 in / .05 in / .12 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: **83**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	4
Number of Power Positions	0
Number of Pairs	24
Number of Loaded Positions	83
Stackable	No
Number of Signal Positions	4
PCB Mount Orientation	Vertical
Number of Positions	83
Board-to-Board Configuration	Parallel

**Electrical Characteristics**

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



Impedance	100 $\Omega$
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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

PCB Contact Termination Area Plating Material Thickness	.5 – 2.54 $\mu\text{m}$ [19.68 – 100 $\mu\text{in}$ ]
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Contact Layout	Staggered
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Mating Tab Width	.69 mm[.027 in]
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Mating Tab Thickness	.41 mm[.015 in]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Finish	Matte
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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 Flash
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Contact Mating Area Plating Material Thickness	.076 $\mu\text{m}$ [3 $\mu\text{in}$ ]
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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[.005 in]
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Rectangular Termination Post & Tail Width	.43 mm[.016 in]
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Termination Post & Tail Length	1.45 mm[.057 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

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

PCB Mount Retention	With
---------------------	------

PCB Mount Alignment	With
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Connector Mounting Type	Board Mount
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### Housing Features



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

### Dimensions

Connector Height	24.8 mm [.976 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

Solder Process Feature	Board Standoff
Circuit Application	Power & Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Product Compliance

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

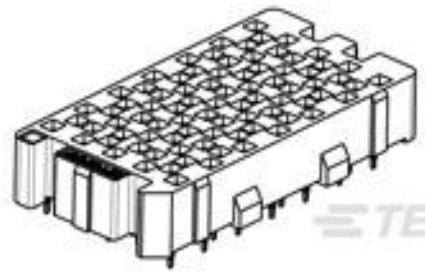
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2021 (211) Does not 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

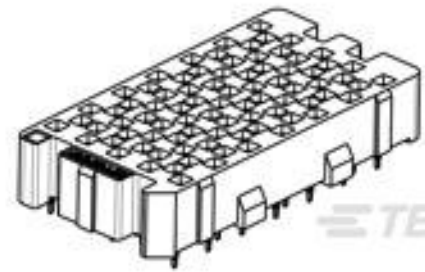
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



TE Part # 5-2143411-1  
STRADA MESA,RC,HF,024,000,00,SN,  
N,NA

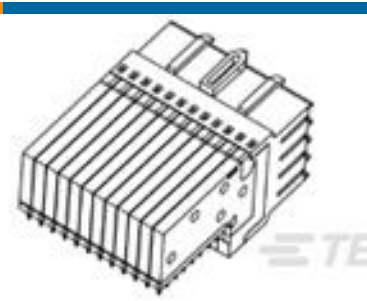


TE Part # 2143411-1  
STRADA MESA,RC,HF,024,000,00,PB,  
N,NA

## Customers Also Bought



TE Part #1888247-1  
20 POS SMT CONN, SFP/SFP+, 30A



TE Part #1857657-1  
Female Connector



TE Part #1932219-1  
MJ,INV,1X1,6PNL G.,100"ST,SN



TE Part #1658723-2  
ASSY SFP CAGE 1X4 SOLDER TAIL



TE Part #2284170-1  
SFP+ ENHANCED 1X5 CAGE  
ASSEMBLY PRESS FI



TE Part #2325864-1  
SFP-DD RECEPTACLE ASSEMBLY

## Documents

### Product Drawings

[STRADA MESA,HD,HF,024,000,00,SN,N,25](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2143410-5\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

[3D](#)



### Customer View Model

[ENG\\_CVM\\_CVM\\_7-2143410-5\\_A.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_7-2143410-5\\_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

### Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English