

5-2143411-1  ACTIVE

## STRADA

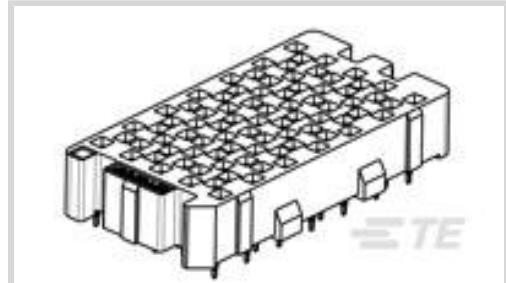
TE Internal #: 5-2143411-1

PCB Mount Receptacle, Vertical, Board-to-Board, 83 / 24 Position, 3.04 mm / 6.09 mm [.12 in / .24 in] Centerline, Gold, Through Hole - Press-Fit

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **24, 83**

Centerline (Pitch): **3.04 mm, 6.09 mm [.12 in, .24 in]**

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
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	24, 83
Board-to-Board Configuration	Parallel

### Electrical Characteristics

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

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 µm[19.685 - 100 µin]
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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	.41 mm[.015 in]
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PCB Contact Termination 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
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Contact Mating Area Plating Material Thickness	.076 µm[3 µin]
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Contact Type	Socket
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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	1.47 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
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PCB Mount Retention	With
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PCB Mount Alignment	With
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Connector Mounting Type	Board Mount
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#### Housing Features

Mating Entry Location	Top
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Centerline (Pitch)	3.04 mm, 6.09 mm[.12 in][.24 in]
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## Housing Material

LCP (High Temp Thermoplastic)

## Dimensions

Connector Height

4.49 mm [.176 in]

PCB Thickness (Recommended)

.06 mm [.8 in]

## Usage Conditions

Operating Temperature Range

-55 - 85 °C [-67 - 185 °F]

## Operation/Application

Circuit Application

Power &amp; Signal

## Industry Standards

UL Flammability Rating

UL 94V-0

## Packaging Features

Packaging Method

Box, Tray

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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: JAN 2024  
(240)Candidate List Declared Against: JAN 2024  
(240)

Does not contain REACH SVHC

Halogen Content

Low Bromine/Chlorine - Br and Cl < 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 # 7-2143410-5  
STRADA MESA,HD,HF,024,000,00,SN,  
N,25



TE Part # 6-2143410-6  
STRADA MESA,HD,HF,024,000,00,SN,  
N,16



TE Part # 9-2143410-0  
STRADA MESA,HD,HF,024,000,00,SN,  
N,40



TE Part # 1-2143410-6  
STRADA MESA,HD,HF,024,000,00,PB,  
N,16



TE Part # 2-2143410-5  
STRADA MESA,HD,HF,024,000,00,PB,  
N,25



TE Part # 4-2143410-0  
STRADA MESA,HD,HF,024,000,00,PB,  
N,40

## Customers Also Bought



TE Part # 1892731-2  
Assy 2x6 MINIPAK HDE seq2



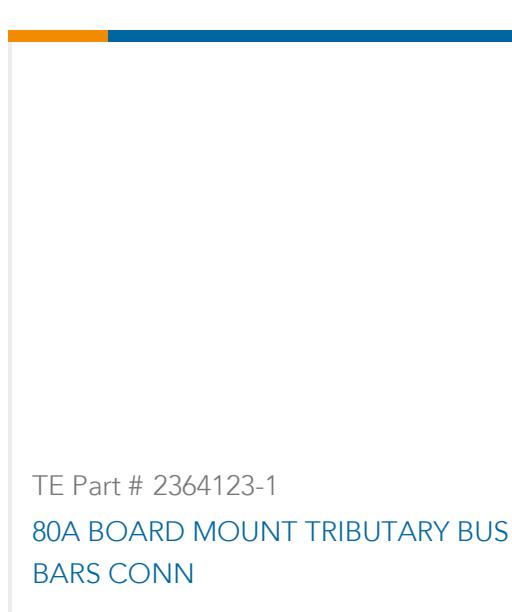
TE Part # 5-104804-1  
25 SYSTEM 50 HDR SRST SHRD SN



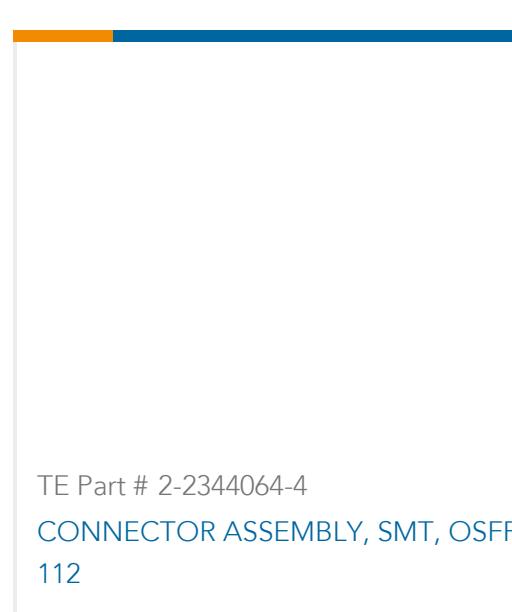
TE Part # 5-2267109-6  
30 SYSTEM 50 HDR SRST SHRD SN



TE Part # 5-2267178-6  
12 MODIV VRT DR SFMNT 30AU NO  
CAP



TE Part # 2364123-1  
80A BOARD MOUNT TRIBUTARY BUS  
BARS CONN



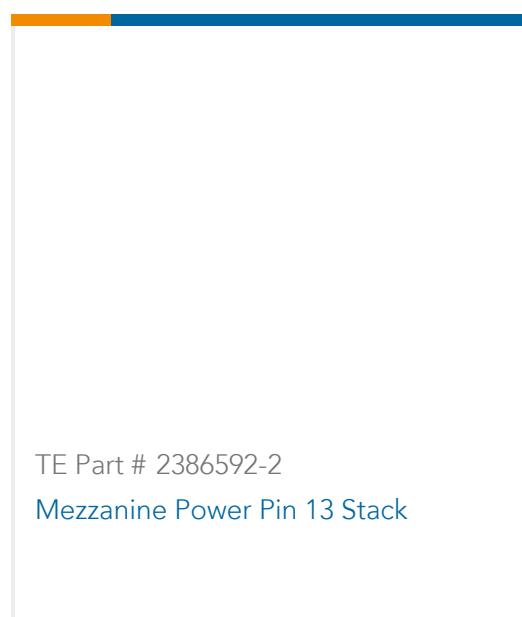
TE Part # 2-2344064-4  
CONNECTOR ASSEMBLY, SMT, OSFP  
112



TE Part # 2057989-1  
IMP100S,R,RA6P14C,LG,39



TE Part # 2057990-1  
IMP100S,R,RA6P14C,RG,39



TE Part # 2386592-2  
Mezzanine Power Pin 13 Stack

## Documents

### Product Drawings

[STRADA MESA,RC,HF,024,000,00,SN,N,NA](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2143411-1\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2143411-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2143411-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English