5-2149781-1 ✔ ACTIVE

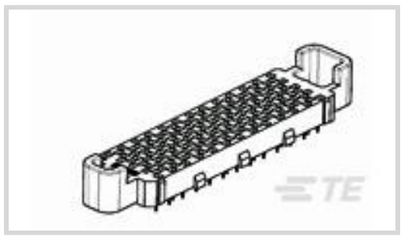
STRADA

TE Internal #: 5-2149781-1

PCB Mount Receptacle, Vertical, Board-to-Board, 161 / 48 Position, 1.27 mm / 3.04 mm / 6.09 mm [.05 in / .12 in / .24 in] Centerline, Gold (Au)

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **48, 161**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Pairs	48
Number of Loaded Positions	161
Stackable	No
Pairs per Column	4
Number of Positions	48, 161
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel
Number of Power Positions	0
Number of Signal Positions	4

Electrical Characteristics

Operating Voltage	0 VDC

Body Features

Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.69 mm[.027 in]
PCB Contact Termination Area Plating Material Thickness	.5 – 2.54 µm[19.68 – 100 µin]
Contact Layout	Staggered
Contact Base Material	Copper Alloy
Mating Tab Thickness	.41 mm[.015 in]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1.5 A, 18 A
	3 µin
PCB Contact Termination Area Plating Material	Tin

Termination Features

Rectangular Termination Post & Tail Width	.43 mm[.016 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.005 in]
Termination Post & Tail Length	1.47 mm[.057 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention Type	Solder Tail
PCB Mount Alignment Type	Post Polarization
Mating Alignment Type	Polarizing Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

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	Matte

Dimensions

Connector Height	7.29 mm[.287 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

Packaging Features

Packaging Quantity	32
Packaging Method	Package

Product Compliance

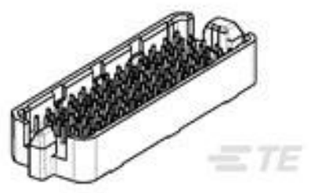
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

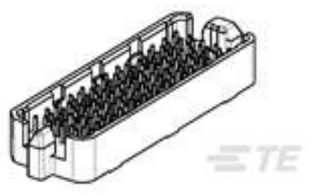
Product Compliance Disclaimer

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 # 1-2149780-1
STRADA MESA,HD,HF,048,000,00,PB,Y,11



TE Part # 6-2149780-1
STRADA MESA,HD,HF,048,000,00,SN,Y,11

Customers Also Bought



TE Part #31172
BODY,RING TONGUE 22-18



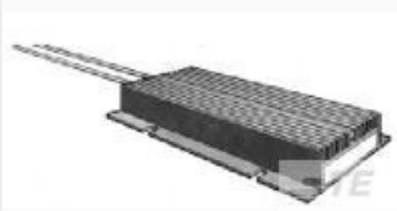
TE Part #31173
BODY,RING TONGUE 22-18



TE Part #2-320573-3
TERMINAL,PIDG R IR 18 3/8



TE Part #9-338069-4
MICRO-MATCH SMD FTE



TE Part #1-1623821-1
CFH 1100 5R6 5% 300mm Leads



TE Part #1747994-1
DYNAMIC D-2100 V-HDR ASS'Y 16P X-KEY



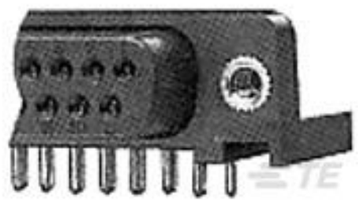
TE Part #1934226-1
Tin man Recpt Assy3pair8 Colum



TE Part #1-1939638-0
DYNAMIC 1100D HDR ASSY H 40P XBLACK GOLD



TE Part #5406275-3
MJ ASSY,4P,8POS,SH,RVPGT,CAT5



TE Part #5748901-1
AMP III RCPT 25P RA 318 THD IN

Documents

Product Drawings

STRADA MESA,RC,HF,048,000,00,SN,Y,NA

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-2149781-1_2.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2149781-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2149781-1_2.3d_stp.zip

English

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Product Specifications

Application Specification

English