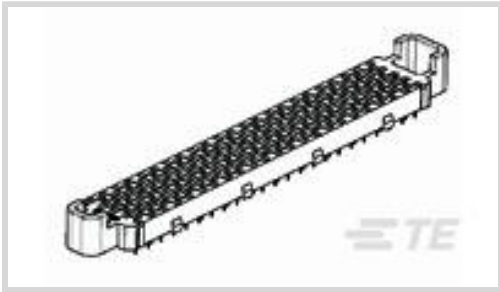




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**
Connector System: **Board-to-Board**
Number of Positions: **291**
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	88
Number of Loaded Positions	291
Stackable	No
Pairs per Column	4
Number of Positions	291
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
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Body Features

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Primary Product Color	Blue
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Contact Features

Mating Tab Width	.4 mm[.016 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	.15 mm[.006 in]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1.5 A
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]

Termination Features

Rectangular Termination Post & Tail Width	.43 mm[.017 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Termination Post & Tail Length	1.47 mm[.057 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	With
PCB Mount Alignment Type	Post Polarization
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	Thermoplastic

Dimensions

Connector Height	7.29 mm[.287 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions



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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUN 2012 (84) SVHC > Threshold: Not Yet Reviewed
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 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

<p>TE Part # 2149790-9</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,09</p>	<p>TE Part # 7-2149790-5</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,25</p>	<p>TE Part # 8-2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,38</p>	<p>TE Part # 1-2149790-3</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,13</p>
<p>TE Part # 4-2149790-2</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,42</p>	<p>TE Part # 2-2149790-3</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,23</p>	<p>TE Part # 2-2149790-5</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,25</p>	<p>TE Part # 7-2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,28</p>
<p>TE Part # 6-2149790-5</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,15</p>	<p>TE Part # 3-2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,38</p>	<p>TE Part # 4-2149790-0</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,40</p>	<p>TE Part # 5-2149790-9</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,09</p>
<p>TE Part # 7-2149790-3</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,23</p>	<p>TE Part # 2-2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,28</p>	<p>TE Part # 1-2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,18</p>	<p>TE Part # 8-2149790-0</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,30</p>
<p>TE Part # 6-2149790-3</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,13</p>	<p>TE Part # 3-2149790-0</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,30</p>	<p>TE Part # 6-2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,SN,Y,18</p>	<p>TE Part # 2149790-8</p> <p>STRADA MESA,HD,HF,088,000,00,PB,Y,08</p>

Customers Also Bought



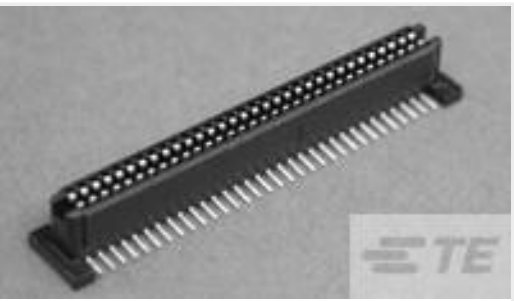
TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN



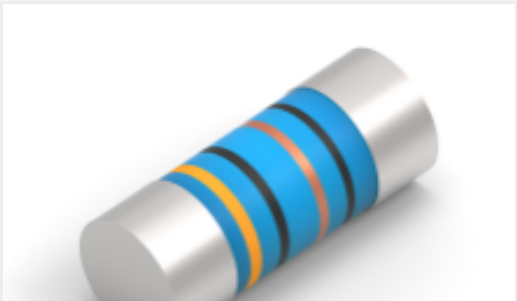
TE Part #3-1415020-1
PT570N20



TE Part #1-1825006-9
GDS10S04=DIP SW,SLIDE,SMT



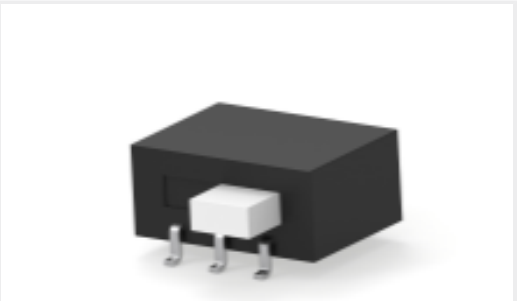
TE Part #5146893-2
1FHR,84,30A/S,S,C,S08,09,10



TE Part #2176314-4
MELF SMA_A 180R 0.1% 15PPM 0102 0.3W



TE Part #1-928836-2
MOD2 PIN WITH A-PIN L/P



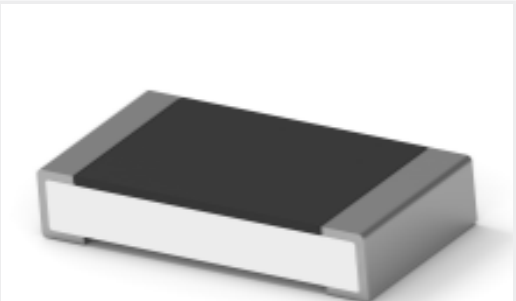
TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP



TE Part #5-103911-3
60 SYSTEM 50 RCPT ASSY DRRA



TE Part #7-2176246-6
CRGS2512 5% 1M8



TE Part #4-2176391-7
RQ 1206 37K4 0.1% 10PPM 5K RL

Documents

Product Drawings

STRADA MESA,RC,HF,088,000,00,PB,Y,NA

English

CAD Files

Customer View Model

ENG_CVM_CVM_2149791-1_2.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2149791-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2149791-1_2.3d_stp.zip

English

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Product Specifications



Application Specification

English

Application Specification

English