



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **114**

Centerline (Pitch): **.64 mm, 24 mm [.945 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Ground Feature Type	Ground Bus
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	57
Number of Signal Positions	114
Number of Power Positions	3
Stackable	No
Number of Positions	114
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	3 VDC
Impedance	50 Ω
Insulation Resistance	2 MΩ



Signal Characteristics

Data Rate	10 Gb/s
Differential Signaling	Yes

Body Features

Primary Product Color	Black
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Contact Features

	150 – 250 µin
Contact Underplating Material	Nickel
Contact Shape & Form	Dual Beam
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au), Gold Flash
Contact Type	Socket
Contact Current Rating (Max)	11.5 A

Termination Features

Rectangular Termination Post & Tail Width	.53 mm[.021 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	With
PCB Mount Alignment Type	Locating Posts
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Mating Entry Location	Bottom
Centerline (Pitch)	.64 mm, 24 mm[.945 in]
Housing Material	LCP

Dimensions

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Connector Width	6.9 mm[.272 in]
Connector Height	6.1 mm[.24 in]
Connector Length	50.8 mm[2 in]
Stack Height	6.6 mm, 9 mm, 10.92 mm, 12.57 mm, 17.96 mm, 18.75 mm, 20 mm, 22.86 mm[.9 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Listed
Compatible With Approved Standards Products	CSA 1195944, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
Packaging Method	Tape

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (40% in 3433454) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free


Solder Process Capability

Reflow solder capable to 260°C


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>


Customers Also Bought



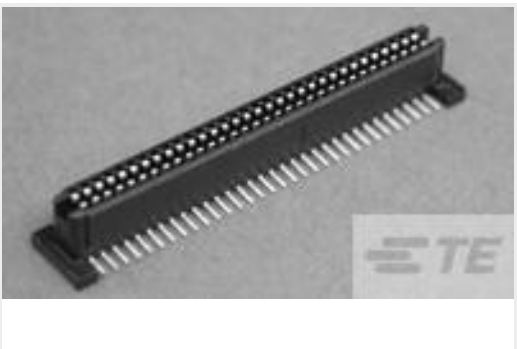
TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN



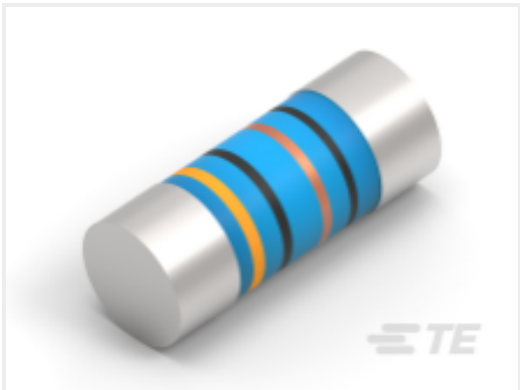
TE Part #3-1415020-1
PT570N20




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



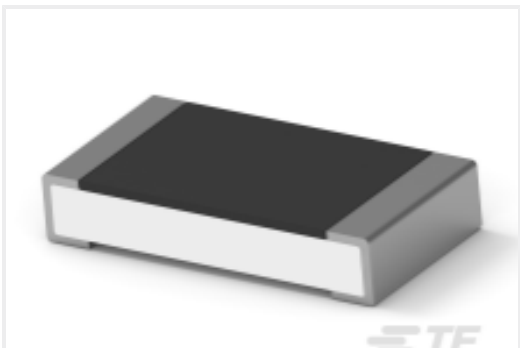
TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP




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



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



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



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

Documents

Product Drawings
MICT,REC,114,ASY,.025,TAPE,CAP



English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-767096-0_G1.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-767096-0_G1.3d_igs.zip

English

Customer View Model

ENG_CVM_1-767096-0_G1.3d_stp.zip

English

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Datasheets & Catalog Pages

MICTOR Interconnection System

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English