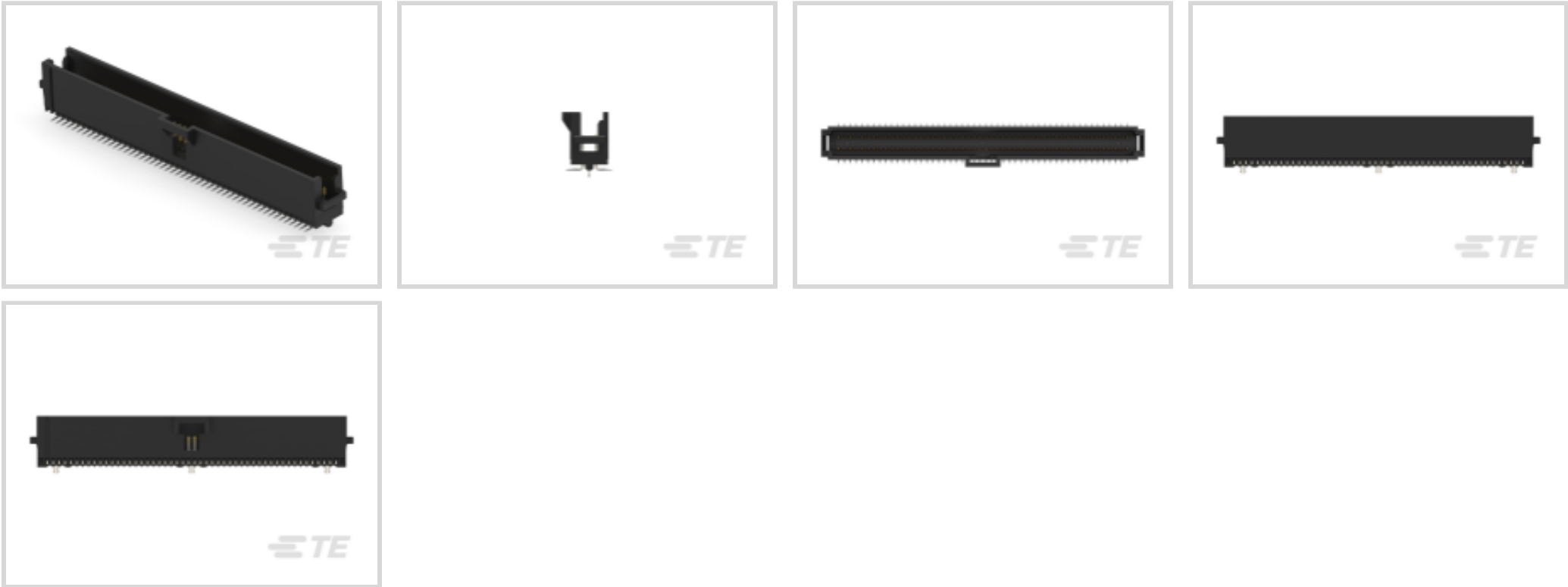




Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Not Compliant**

EU ELV Compliance: **Compliant with Exemptions**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board, Board-to-Board**

Features

Contact Features

	150 – 250 µin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	1 A

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board, Board-to-Board



Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	100
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Termination Features

Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention	With
PCB Mount Retention Type	Hold-Down Post
Mating Alignment Type	Latched
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm

Usage Conditions



Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power & Signal

Industry Standards

Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	7
Packaging Method	Tube, Box

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	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> 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, I < 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>



Compatible Parts

TE Part # 1-111196-6  
100 RCPT SYSTEM 50 30 DPLX

TE Part # 487937-1  
100 HOUSING FFC 50CL DR LATCH

TE Part # 104078-8  
100 SYSTEM 50 RCPT ASSY DRST

TE Part # 104550-9  
100 SYS50 SURFMNT DRST RCPT

TE Part # 104744-5  
100 SYSTEM 50 RCPT ASSY DRST

TE Part # 147377-8  
100 SYS50 SMT HDRDR SHD W/O HD

Also in the Series | AMPMODU System 50

PCB Headers & Receptacles(685)

Customers Also Bought

TE Part #1-770968-0  
04P MINI UMNL R/A HDR ASSY SN

TE Part #5-1393030-6  
SSRA-240D2 = SIP MODULE,2A,240V AC

TE Part #5745085-2  
HD-20 RCPT 25P RA 478

TE Part #3-1414937-3  
V23134J0065X497-EV-CBOX






TE Part #1879140-7  
[RN 0603 21K5 0.1% 10PPM 5K RL](#)




TE Part #1860991-1  
[RT78602, RELAY SOCKET PCB 5MM](#)




TE Part #225702-E  
[POWELM GEWINK VOLLM M6 8 2,54  
\\* EP 20 CU](#)



TE Part #3-5100143-0  
[2MM H.M. TYPE "A" PIN ASSY.](#)



TE Part #6345184-1  
[Z-PACK/B M-HDR 125P](#)



TE Part #6345185-1  
[Z-PACK/B M-HDR 125P](#)

Documents

Product Drawings

[100 SYS50 SRFMNT HDR DRST SHRD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-104549-0\\_Y.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-104549-0\\_Y.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-104549-0\\_Y.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