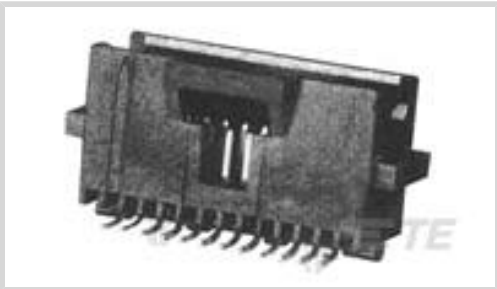




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board, Wire-to-Board**
Number of Positions: **40**
Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board, Wire-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	40
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

	150 – 250 µin
PCB Contact Termination Area Plating Material Finish	Matte



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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

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

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



Packaging Features

Packaging Quantity	16
Packaging Type	Box, Tube

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) 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, 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 # CAT-F439-R2435127
FFC Receptacle Housing: 1.27mm

TE Part # 104078-2
40 SYSTEM 50 RCPT ASSY DRST

TE Part # 111196-9
040 RCPT SYSTEM 50 30 DPLX

TE Part # 104550-5
40 SYS50 SURFMNT DRST RCPT

TE Part # 104744-6
40 SYSTEM 50 RCPT ASSY DRST

TE Part # 147377-4
40 SYS50 SMT HDR DR SHD W/O HD

TE Part # 147378-4
40 SYS50 SMT RCP DR SHD W/O HD

Also in the Series | AMPMODU System 50

PCB Headers & Receptacles(1014)

Documents

Product Drawings

40 SYS50 SURFMNT HDR DRST SHRD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_104549-6_Y.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_104549-6_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_104549-6_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