



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **34**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	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	34
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Connector Profile	Standard
Primary Product Color	Black



Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Rectangular
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Type	Pin
Contact Current Rating (Max)	3.6 A

Termination Features

Termination Post & Tail Diameter	.38 mm[.015 in]
Termination Post & Tail Length	3.68 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Mating Retention Type	Latching
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range

-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	19
Packaging Method	Box, Tube

Other

Position Locations Omitted	0
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave 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 # 3-111196-0
034 RCPT SYSTEM 50 30 DPLX

TE Part # 6-104078-0
34 SYSTEM 50 RCPT ASSY DRST SN

TE Part # 3-487937-4
034 HOUSING FFC 50CL DR LATCH

Also in the Series | AMPMODU System 50

PCB Headers & Receptacles(990)

Customers Also Bought

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #W2S
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141
DEUTSCH Solid Contacts

TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

TE Part #281934-2
SINGLE WIRE SEAL

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings
34 SYSTEM 50 HDR DRST SHRD SN



English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-104666-3_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-104666-3_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-104666-3_AD.3d_stp.zip

English

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Product Specifications

Application Specification

English