

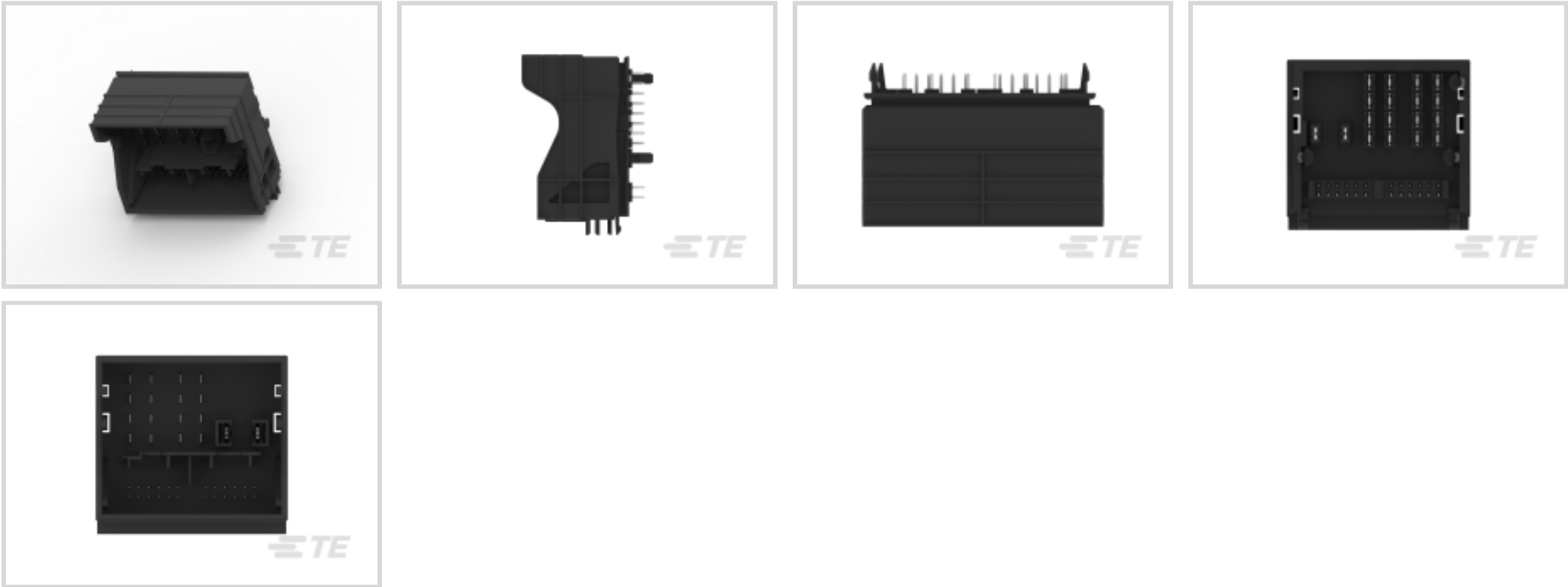


Radio Connectors

TE Internal #: 1241768-1
PCB Mount Header, Vertical, Wire-to-Board, 2.54 mm / 5.08 mm / 8.1 mm [.1 in / .2 in / .319 in] Centerline, Fully Shrouded, Tin, Radio Connectors

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Connectors > PCB Connectors > PCB Headers & Receptacles > Data Connectivity Header



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Rows: **2, 1, 4**
Centerline (Pitch): **8.1 mm, 5.08 mm, 2.54 mm [.319 in, .1 in, .2 in]**

[All Data Connectivity Header \(3\)](#)

Features

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Dimensions

Connector Width	34.5 mm[1.358 in]
PCB Thickness (Recommended)	.8 mm[.031 in]
Profile Height from PCB	28.3 mm[1.114 in]
Connector Length	49.8 mm[1.961 in]

Packaging Features

Packaging Quantity	120
Packaging Method	Loose Piece

Usage Conditions

Operating Temperature (Max)	80 °C, 75 °C, 70 °C[167 °F][158 °F][176 °F]
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Operating Temperature Range

-40 – 85 °C[-40 – 185 °F]

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
Mounting Holes	Without
Mating Retention	With
PCB Mount Retention Type	Boardlock
PCB Mount Retention	With
PCB Mount Alignment	Without
Mating Alignment	With

Contact Features

Contact Size	.63mm, 2.8mm
Mating Tab Width	.63 mm, 2.8 mm[.025 in][.11 in]
Mating Tab Thickness	.6 mm, .63 mm[.025 in][.024 in]
Contact Mating Area Plating Material	Tin
Contact Type	Tab

Configuration Features

Number of Signal Positions	24
Number of Sections	1
PCB Mount Orientation	Vertical
Number of Rows	2, 1, 4

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board



Body Features

Primary Product Color	Black
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Housing Features

Centerline (Pitch)	8.1 mm, 5.08 mm, 2.54 mm[.319 in][.1 in][.2 in]
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Industry Standards

UL Flammability Rating	UL 94HB
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°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 # 1241765-2
[16POS MIXED MQS REC](#)

Also in the Series | Radio Connectors

Automotive Headers(3)

PCB Headers & Receptacles(3)

Wire-to-Board Headers & Receptacles (3)

Customers Also Bought

TE Part #5-1823071-3
[HSD,HDR ASSY,90DEG,COD D](#)

Documents

Product Drawings
[MPQ/MQS ST-STE40+2P](#)
English

CAD Files
Customer View Model
[ENG_CVM_1241768-1_C11.3d_igs.zip](#)
English
Customer View Model
[ENG_CVM_1241768-1_C11.3d_stp.zip](#)
English
Customer View Model
[ENG_CVM_1241768-1_C11.2d_dxf.zip](#)

1241768-1

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English

3D PDF

English

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Product Specifications

Product Specification

English