447208-1 ✔ ACTIVE

AMP

TE Internal #: 447208-1

PCB Mount Receptacle, Vertical, Board-to-Board, 240 Position, 2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal, Brown

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **240**

Number of Rows: **3**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Loaded Positions	160
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	240
Number of Rows	3
Board-to-Board Configuration	Perpendicular

Body Features

Primary Product Color	Brown

Contact Features

Contact Layout	Matrix
Mating Square Post Dimension	.64 mm[.025 in]
	100 µin
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Beryllium Copper

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Thickness	.36 mm[.015 in]
Rectangular Termination Post & Tail Width	.43 mm[.015 in]
Termination Post & Tail Length	4.95 mm[.195 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Mounting Hole
Mating Alignment	With
Mating Alignment Type	Polarized
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Polyphenylene Sulfide (PPS)

Dimensions

Connector Height	11.43 mm[.45 in]
Connector Width	12.57 mm[.495 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	15.24 mm[.6 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Type	Package

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: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Documents

Product Drawings

3 ROW BOX RECP 240 POS 100 C/L

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_447208-1_N_c-447208-1-n.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_447208-1_N_c-447208-1-n.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_447208-1_N_c-447208-1-n.3d_stp.zip

English

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Datasheets & Catalog Pages

Products for Aerospace and Defense

English