

533499-2

✓ ACTIVE

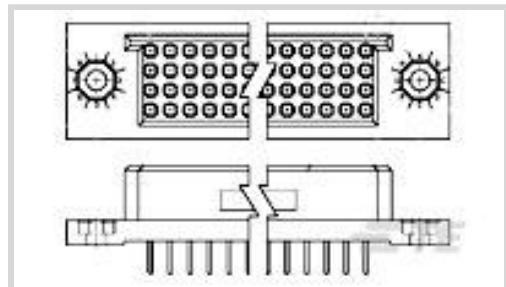
AMP

TE Internal #: 533499-2

PCB Mount Receptacle, Vertical, Board-to-Board, 232 Position, 2.54 mm [.1 in] Centerline, Gold (Au), Through Hole - Solder, Signal, Brown, Tube

[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: **232**Number of Rows: **4**

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	232
Board-to-Board Configuration	Perpendicular
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	232
Number of Rows	4

Body Features

Primary Product Color	Brown
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Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	.6 µm
Contact Shape & Form	Four Beam

Contact Layout	Matrix
Contact Base Material	Beryllium Copper
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.51 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Post & Tail Length	4.57 mm[.18 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarized
PCB Mount Retention Type	Mounting Hole
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	15.24 mm[.6 in]
Connector Width	14.85 mm[.585 in]
PCB Thickness (Recommended)	2.36 – 3.18 mm[.093 – .125 in]
Connector Height	10.16 mm[.4 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application

Signal

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

3

Packaging Method

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 2024
(241)Candidate List Declared Against: JAN 2019
(197)SVHC > Threshold:
Not Yet Reviewed

Halogen Content

Not Yet Reviewed for halogen content

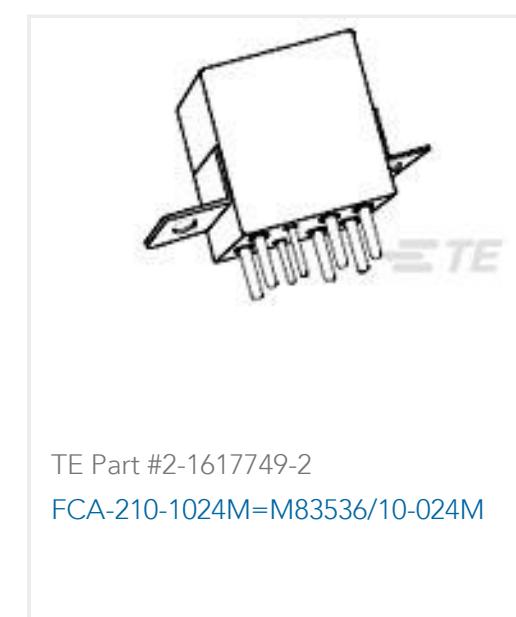
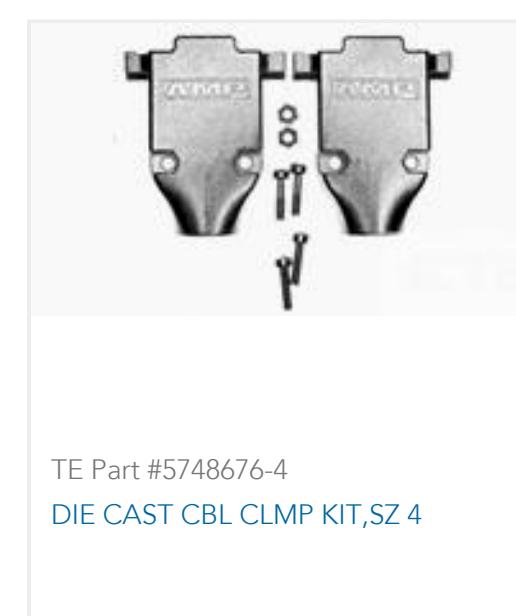
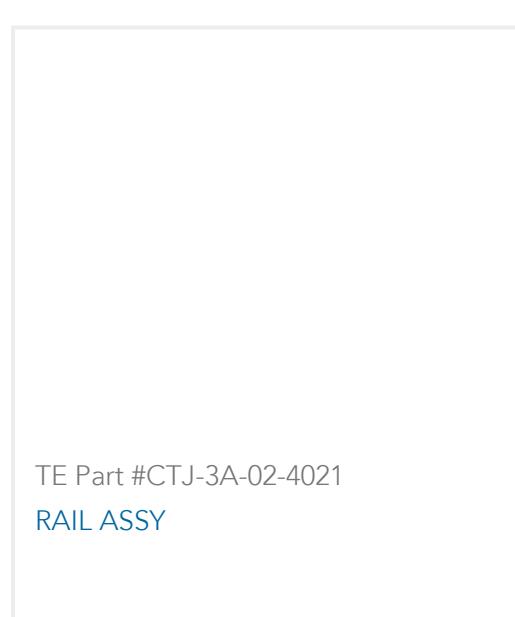
Solder Process Capability

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.

Customers Also Bought

TE Part #CTJ-3A-04-4021
RAIL ASSYTE Part #8-146256-0
60 MODII HDR DRST B/A .100CL LFTE Part #320571
PIDG R 22-16 COMM 22-18MIL 1/4TE Part #2-1617749-2
FCA-210-1024M=M83536/10-024MTE Part #530341-1
BOX EST KEY PASSIVATEDTE Part #YDTS20F21-41SAV001
RECP ASSYTE Part #1410189-1
MULTIGIG RT T2 7RW H-LFT,ET2TE Part #5748676-4
DIE CAST CBL CLMP KIT,SZ 4TE Part #CTJ-3A-02-4021
RAIL ASSYTE Part #YDTS26F11-05PAV001
PLUG ASSY

Documents

Product Drawings

BOX II 4 ROW RECP ASSY 232 POS

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_533499-2_G_c-533499-2-g.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_533499-2_G_c-533499-2-g.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_533499-2_G_c-533499-2-g.3d_stp.zip](#)

English

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Product Specifications

Product Specification

English