2-292141-8 ✔ ACTIVE

AMP CT

TE Internal #: 2-292141-8

PCB Mount Header, Vertical, Wire-to-Board, 28 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, AMP CT

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > CT 2mm Dbl Row Assembly w/Boss: Vert.



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **28**

Centerline (Pitch): **2 mm [.079 in]**

All CT 2mm Dbl Row Assembly w/Boss: Vert. (25)

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	28
Number of Rows	2

Electrical Characteristics

Operating Voltage	125 VDC

Body Features

Primary Product Color	Natural

Contact Features

Mating Pin Diameter	.6 mm[.024 in]

PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Mating Area Length	4.7 mm[.185 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Pin
Contact Current Rating (Max)	4 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Polarized Lock
Mating Alignment Type	Polarization
PCB Mount Retention Type	Boardlock
PCB Mount Alignment Type	Boss
PCB Mount Alignment	With
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	Nylon 66

Dimensions

Row-to-Row Spacing	6.5 mm[.256 in]
Connector Width	10.7 mm[.421 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	7.5 mm[.295 in]

Connector Length	33.9 mm[1.334 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power & Signal

Industry Standards

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	130
Packaging Method	Box, Tray

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 240°C

Product Compliance Disclaimer

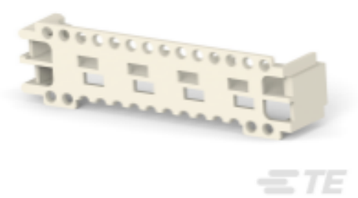
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-179472-8
CT DBL ROW HOLDER,CRIMP,28P,NA



TE Part # 2-179608-8
CT DBL ROW HOLDER,MT,28P,NA

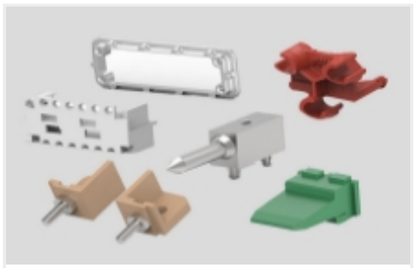


TE Part # 2-175133-8
CT DOUBLE ROW 28P HOLDER NATU.

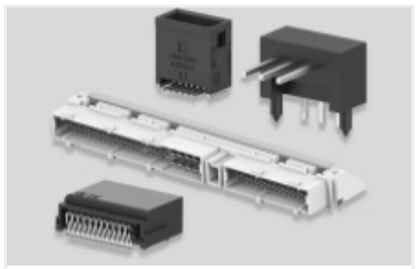
Also in the Series | AMP CT



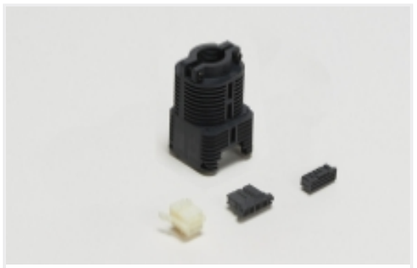
Connector Contacts(8)



Connector Hardware(39)



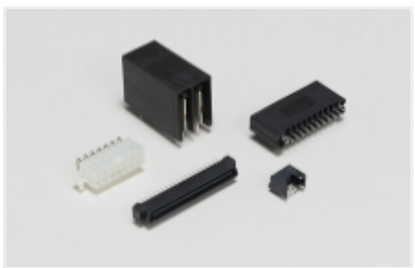
PCB Headers & Receptacles(739)



Rectangular Connector Housings(74)



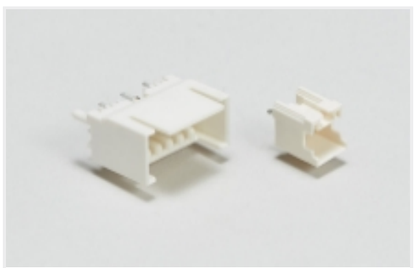
Rectangular Power Connectors(883)



Standard Rectangular Connectors(228)



Wire-to-Board Connector Assemblies & Housings(165)

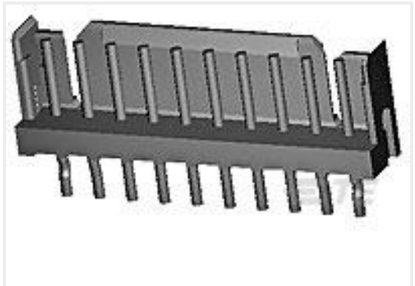


Wire-to-Board Headers & Receptacles (739)

Customers Also Bought



TE Part #CAT-3983178-PHBXVD
CT 2mm Post Header Asmbly: Box V DIP



TE Part #1-292161-1
CT P/HDR ASSY V 11P W/KINK NAT



TE Part #292206-3
MINI CT SGL DIP H 3P NAT



TE Part #1-292207-0
MINI CT SGL DIP V 10P NAT



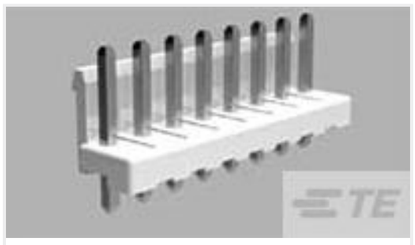
TE Part #1-292207-1
MINI CT SGL DIP V 11P NAT



TE Part #1-292207-5
MINI CT SGL DIP V 15P NAT



TE Part #1-292207-8
MINI CT SGL DIP V 18P NAT



TE Part #1-1123723-9
3.96 EP HDR ASSY 9P(NATURAL)



TE Part #1-1612257-4
REC ASSY 14P ,MINI CT DC DRAWE

Documents

Product Drawings

CT DOUBLE ROW ASSY V 28P W/BOS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-292141-8_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-292141-8_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-292141-8_O.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

Product Specification

English

CT DOUBLE ROW CONNECTOR, LEAD FREE VERSION

Japanese

Product Specification

Japanese