3-5178238-0 × OBSOLETE

CHAMP

TE Internal #: 3-5178238-0

TE Internal Description: CHAMP.050 REC ASS'Y 80P PB-FREE

View on TE.com >

Connectors > D-Shaped Connectors



Number of Positions: **80**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Panel Mount**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	80
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Assembly Process Feature Material	Copper Alloy
Shield Plating Material	Nickel
Shield Material	Steel
Shell Plating Material	Nickel
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy

PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.5 A, 1 A
Contact Options	Installed

Termination Features

Rectangular Termination Post & Tail Width	.4 mm[.015 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.012 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.1 mm[.122 in]

Mechanical Attachment

Mounting Hole Diameter	2.7 mm
Assembly Process Feature Plating Material	Tin over Nickel
Connector Mounting Type	Panel Mount
PCB Mount Retention	With
PCB Mount Retention Type	Retention Leg
Mating Retention	With
Mating Retention Type	Bail Lock

Housing Features

Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Panel Thickness (Recommended)	2.01 mm[.079 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Row-to-Row Spacing	1.9 mm[.075 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	60

Packaging Method	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: JUN 2020 (209) 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 265°C

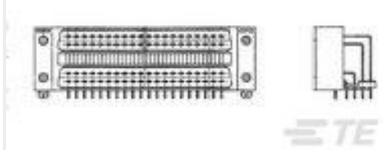
Product Compliance Disclaimer

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

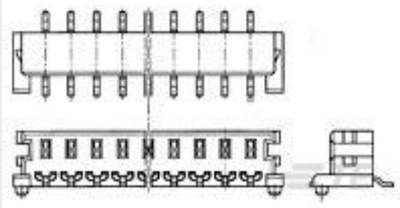
Customers Also Bought



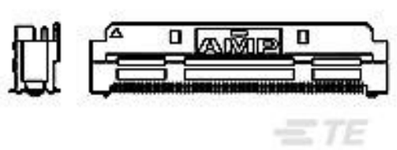
TE Part #ASA021N00210235000
623 PLUG



TE Part #900412-2
PC I/O RETENTION LEG ASSY 80P



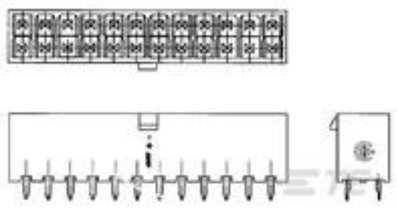
TE Part #7-917570-2
1.5 B-T-W HDR ASSY 12P W/O BOS



TE Part #1123677-1
Z-STACK TYPE F16 ASSY 130P



TE Part #1473226-1
SOCKET WITH RING MINI U-M-N-L



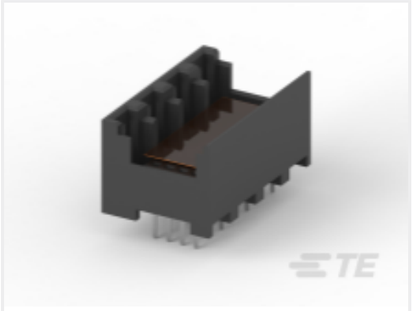
TE Part #2-1586038-2
22P VRT HDR VAL-U-LOK V0



TE Part #2013874-1
ME CONN (M) DUMMY PLUG ASSY



TE Part #2229093-1
MOD JACK ASSEMBLY V-TYPE H=21.7mm



TE Part #2309223-1
RITS CONN.HDR ASSY 4ROW 4P THR W TAPE



TE Part #1-2349815-2
D3950 REC 8POSN. 1ROW X KEY MARKED

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_3-5178238-0_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-5178238-0_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-5178238-0_O.3d_stp.zip

English

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Product Specifications

CHAMP.050 Series(II) Connector Wire to Board Type

English

Product Specification

English