5786165-1 × OBSOLETE

TE Internal #: 5786165-1

TE Internal Description: CIRC DIN RCPT ASY W/GRND CLIP

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Connectors > Circular Connectors > DIN Connectors







Circular DIN Connector Type: **Circular DIN**

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

Number of Positions: **7**

Connector Contact Load Condition: **Selectively Loaded**

Mating Alignment Type: **Keyed**

Features

Product Type Features

Circular DIN Connector Type	Circular DIN
Connector System	Wire-to-Board, Wire-to-Panel
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	7
Connector Contact Load Condition	Selectively Loaded

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

	2.54 µin[100 µin]
Shield Material	Brass
Shield Underplate Material	Nickel
Primary Product Color	Black
Shield Underplate Thickness	1.27 µm[50 µin]

Contact Features

Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Tuning Fork
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Staggered
Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	7.5 A

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Self-Tapping Screw
Mating Retention	Without
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Alignment Type	Solder Tail Layout
Mating Alignment Type	Keyed
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Legs
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.49 mm[.1 in]

Dimensions

PCB Thickness (Recommended)	2.36 mm
Product Width	20.07 mm[.79 in]
Product Length	15.49 mm[.61 in]
Connector Height	20.83 mm[.824 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA LR3507, UL E28476

Packaging Features

Packaging Quantity	100
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: 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 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 #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



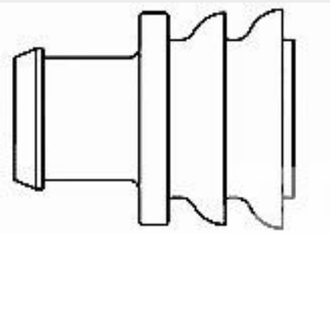
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

CIRC DIN RCPT ASY W/GRND CLIP

English

CAD Files

Customer View Model

ENG_CVM_5786165-1_O1.3d_igs.zip

English

Customer View Model

ENG_CVM_5786165-1_O1.3d_stp.zip

English

Customer View Model

ENG_CVM_5786165-1_O1.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English