747145-2 × OBSOLETE

AMPLIMITE

TE Internal #: 747145-2

TE Internal Description: 50 RCPT ACT PIN/MS MED SCRLK

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Connectors > D-Shaped Connectors



Number of Positions: **50**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **5**

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	5
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Shell Plating Material	Tin
Mating Feature Material	Zinc
Primary Product Color	Black
Connector Profile	Medium

Contact Features

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

PCB Contact Termination Area Plating Material	Tin-Lead
Contact Options	Installed

Termination Features

Rectangular Termination Post & Tail Width	.86 mm[.034 in]
Rectangular Termination Post & Tail Thickness	.63 mm[.025 in]
Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	5.8 mm[.228 in]

Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail, Mounting Hole
Mating Retention	With
Mating Retention Type	Female Screwlocks, Fixed

Housing Features

Housing Material	Thermoplastic
Shell Material	Carbon Steel
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

PCB Thickness (Recommended)	2.36 mm[.093 in]
Row-to-Row Spacing	2.84 mm[.112 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E81956

Packaging Features

Packaging Quantity	7
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 2025 (250) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 #5-103166-3
10 MODII HDR DRRA SHRD LF



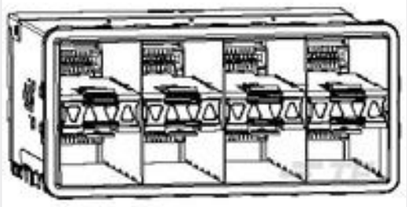
TE Part #207446-3
SEALING CAP ASSY,SZ 23,CPC



TE Part #292317-4
STD USB TYPE B, R/A, T/H



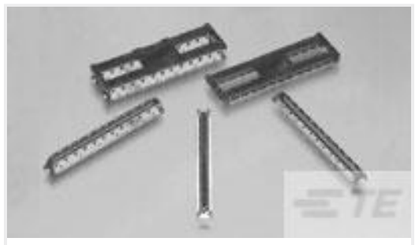
TE Part #5-520314-5
TRIOMATE ASSY H 5P L=2.54 LDFR



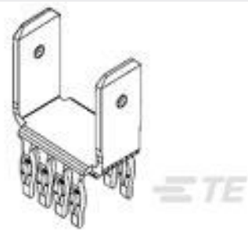
TE Part #2180324-2
zSFP+ STACKED 2X4 RECEPTACLE ASSEMBLY



TE Part #1-2201197-0
0.4 STACKING CONN H0.98 REC ASSEMBLY



TE Part #3-6318490-6
.5FHR04H,220,S,GIG,08/Sn,HT,NSYes



TE Part #167892-6
8P.P.L.TERM.(H)



TE Part #1948759-1
AMPLIMITE .050 FLAT ASSY, 10 FT



TE Part #1979911-1
6 POSN MODU - 4 POSN CT, 5 IN

Documents

Product Drawings

50 RCPT ACT PIN/MS MED SCRLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_747145-2_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_747145-2_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_747145-2_K.3d_stp.zip

English

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Product Specifications

Application Specification

English