747497-4 ! PENDING OBSOLESCENCE

AMPLIMITE | AMPLIMITE HDP
TE Internal #: 747497-4
TE Internal Description: 50 PLUG RA/MS STD (SL)
D-Sub Plug Assembly: Right Angle, Shell Size 5, 2.74mm

View on TE.com >

Connector & Housing Type: **Plug**

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

Number of Positions: **50**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **3**

All D-Sub Plug Assembly: Right Angle, Shell Size 5, 2.74mm (5)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Ground Feature Type	Grounding Indents
Connector & Housing Type	Plug
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	3
PCB Mount Orientation	Right Angle

Body Features

Mating Feature Material	Steel
Mating Feature Plating Material	Zinc
Insert Material	Thermoplastic
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	High

Contact Features

Contact Options	Installed
	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A

Termination Features

Square Termination Post & Tail Dimension	.63 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Female Screwlocks, 4-40 UNC
Connector Mounting Type	Board Mount

Housing Features

Shell Material	Steel
Housing Material	Thermoplastic
Centerline (Pitch)	2.74 mm[.108 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

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

Packaging Features

Packaging Quantity	7
Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

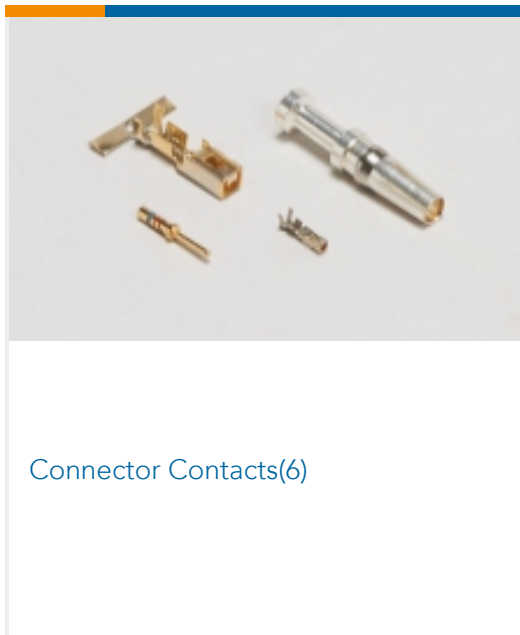| EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2023 (233) 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	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
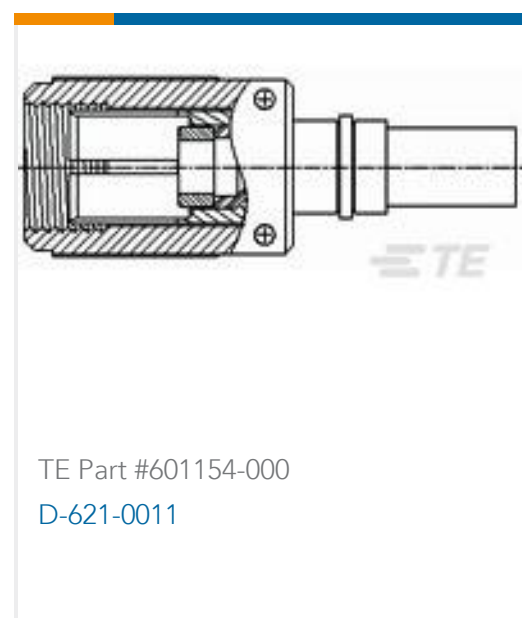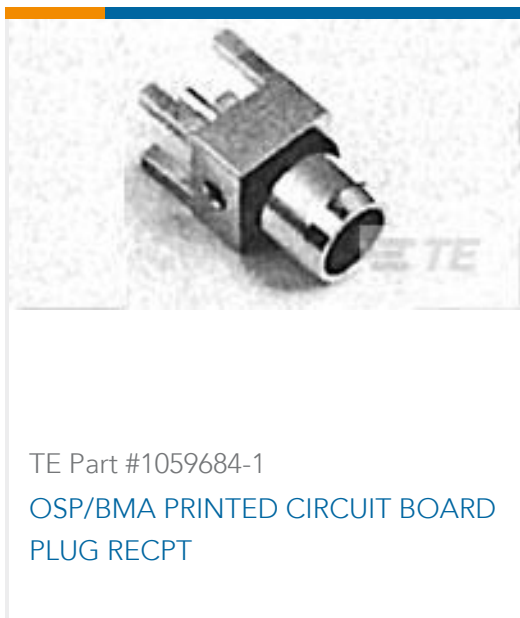
Compatible Parts

TE Part # 1658606-1

50 POS HDF RCPT, MS, LEAD FREE

Also in the Series | AMPLIMITE HDP

Connector Contacts(6)

PCB D-Sub Connectors(83)

Customers Also Bought

TE Part #1059684-1

OSP/BMA PRINTED CIRCUIT BOARD PLUG RECPT

TE Part #6-103639-3

14 MTE HDR SRST LATCH .100CL

TE Part #1-87233-0

10 MODII HDR SRRA UNSHRD .100

TE Part #6-103645-3

14 MTE RCPT SR LATCH .100CL

TE Part #6-534237-1

13 MODII VRT SR CE 100/115

TE Part #1676429-2

RN 0805 768R 0.1% 10PPM 1KRL

TE Part #2102446-1

FORTIS LRM,VERTICAL MODULE, UPM

TE Part #601154-000

D-621-0011

TE Part #87232-2

02 MODII HDR SRRA UNSHRD .100

Documents

Product Drawings

50 PLUG RA/MS STD (SL)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_747497-4_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_747497-4_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_747497-4_L.3d_stp.zip

English

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

Product Specifications

Application Specification

English