5174681-7 ❗ PENDING OBSOLESCENCE

AMPLIMITE | **AMPLIMITE 0.50 Series**
TE Internal #: 5174681-7
TE Internal Description: AMPLIMITE.050 PLUG ASS'Y (V) 6
AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm

View on TE.com >

Connector & Housing Type: **Receptacle**

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

Number of Positions: **68**

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

Number of Rows: **4**

All AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm (41)

Features

Product Type Features

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

Configuration Features

Number of Positions	68
Number of Rows	4
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material	Gold

PCB Contact Termination Area Plating Material	Tin, Tin over Nickel
Contact Base Material	Copper Alloy
Contact Shape & Form	Square
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.015 in]
Rectangular Termination Post & Tail Width	.45 mm[.017 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Retention Solder Tails
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	72
Packaging Method	Tray

Product Compliance

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

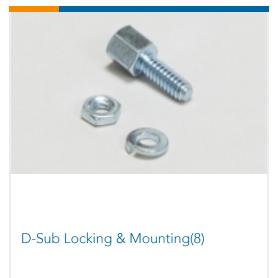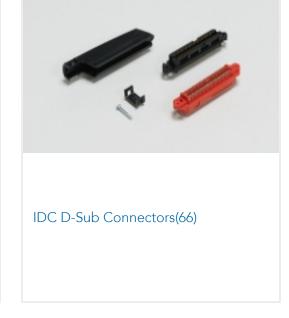|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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

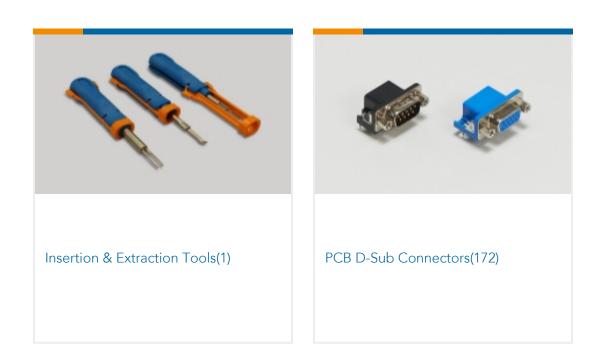## Also in the Series | AMPLIMITE 0.50 Series

Connector Backshells(31)

Connector Caps & Covers(20)

D-Sub Locking & Mounting(8)

IDC D-Sub Connectors(66)

Insertion & Extraction Tools(1)

PCB D-Sub Connectors(172)

Customers Also Bought

TE Part #2176055-1
RLP73V 2B R010 1% 1K RL

TE Part #350537-6
UMNL SOK 20-14 .0125 AUNI/PHBZ

TE Part #350735-4
12P UMNL PLUG HSG UL94VO

TE Part #2-1445090-5
MICRO MNL HDR ASSY S/ROW AU LF

TE Part #3-1614354-4
RN 0603 61R9 0.1% 10PPM CUT
LENGTH

TE Part #7-2176087-2
RP 1J 0.166W 383R 0.1% 25PPM 1K RL

TE Part #58246-1
MTA 100 CRIMP HEAD REPAIR
DISCRETE

TE Part #5-103945-4
4X5 MTE SHRD PIN SR LATCH .100

TE Part #5-103961-3
5X4 MTE RCPT SR LATHC .100CL

Documents

Product Drawings
AMPLIMITE.050 PLUG ASS'Y (V) 6

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_5174681-7_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5174681-7_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5174681-7_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 Environmental Compliance

AMPLIMITE.050 PLUG ASS'Y (V) 68P PB-FREE

English

AMPLIMITE.050 PLUG ASS'Y (V) 68P PB-FREE

English