

5174215-1 x OBSOLETE

AMPLIMITE | AMPLIMITE 0.50 Series

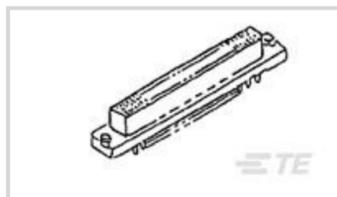
TE Internal #: 5174215-1

TE Internal Description: AMPLIMITE.050 PLUG ASS'Y (V) 30P PB-FREE

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Plug**

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

Number of Positions: **30**

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

Number of Rows: **2**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Shell Type | All Plastic |
| Connector & Housing Type | Plug |
| Connector System | Cable-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded | No |
| Connector Type | Connector Assembly |
| Product Type | Connector |

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 30 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

Body Features

| | |
|-----------------------|-----------------|
| Post Plating Material | Tin over Nickel |
| Connector Profile | Standard |

Contact Features

| | |
|---|-----------------|
| Contact Mating Area Plating Material | Gold |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Shape & Form | Square |

| | |
|------------------------------|--------|
| Contact Current Rating (Max) | 1 A |
| | 30 µin |

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length | 3.1 mm[.122 in] |

Mechanical Attachment

| | |
|-------------------------|-------------|
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |
| Mating Retention | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material | PBT |
| Housing Color | Black |

Dimensions

| | |
|-----------------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
| PCB Thickness (Recommended) | .8 – 1.6 mm |

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|------|
| Packaging Method | Tray |
| Packaging Quantity | 144 |

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 2022 (224) Candidate List Declared Against: JUL 2019 (201) 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**



D-Sub Backshells & Clamps(31)



D-Sub Covers(20)



D-Sub Locking & Mounting(8)



IDC D-Sub Connectors(76)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(191)

Documents

[Product Drawings](#)



AMPLIMITE.050 PLUG ASS'Y (V) 30P PB-FREE

English

CAD Files

Customer View Model

[ENG_CVM_5174215-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5174215-1_A1.2d_dxf.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_5174215-1_A1.3d_igs.zip](#)

English

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Product Specifications

Product Specification

English

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English