

106506-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP

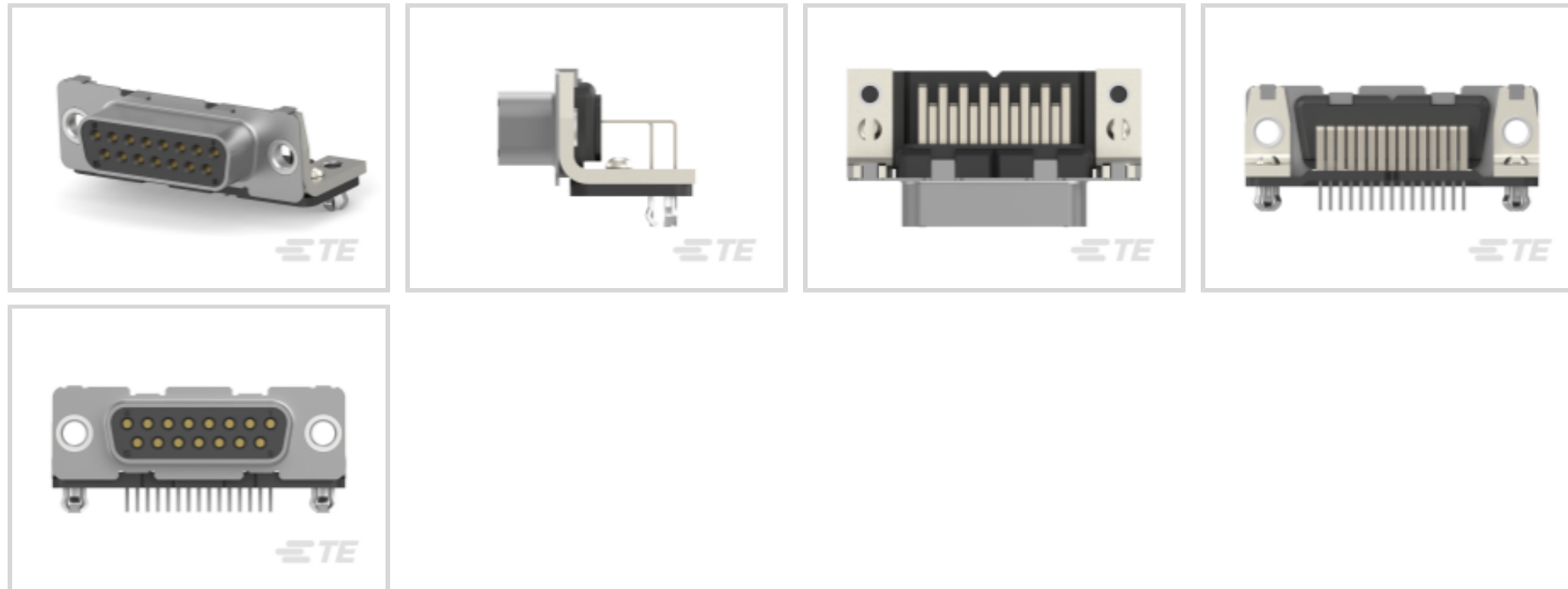
TE Internal #: 106506-2

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 15 Position,
2.74 mm [.108 in] Centerline, 2 Row, 2 Connector Shell Size, Round,
AMPLIMITE HDP

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 2, 2.74mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **15**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 2, 2.74mm \(39\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Shell Material Configuration | Front Metal Shell |
| Ground Feature Type | Grounding Straps |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Board |
| Connector Shell Size | 2 |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|-------------|
| Number of Positions | 15 |
| Number of Rows | 2 |
| PCB Mount Orientation | Right Angle |

Body Features

| | |
|-----------------------------------|-----------------|
| Assembly Process Feature Material | Phosphor Bronze |
|-----------------------------------|-----------------|



| | |
|------------------------|----------|
| Shell Plating Material | Tin |
| Primary Product Color | Black |
| Connector Profile | Standard |

Contact Features

| | |
|---|-----------------|
| Contact Mating Area Plating Material | Gold Flash |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Shape & Form | Round |
| Contact Current Rating (Max) | 6 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .32 mm[.012 in] |
| Rectangular Termination Post & Tail Width | .45 mm[.017 in] |
| Termination Post & Tail Length | 3.2 mm[.126 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|---|-----------------------------|
| Assembly Process Feature Plating Material | Tin |
| Mounting Hole Diameter | 3.1 mm |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention | Without |
| Mating Retention Type | Female Screwlocks, 4-40 UNC |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|------------------|
| Shell Material | Steel |
| Housing Material | Polyester GF |
| Centerline (Pitch) | 2.74 mm[.108 in] |

Dimensions

| | |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Row-to-Row Spacing | 2.54 mm[.1 in] |

Usage Conditions



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

Operation/Application

| | |
|---------------------|------------|
| Durability Rating | 200 Cycles |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|-----------|
| Approved Standards | DIN 41652 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 45 |
| Packaging Method | Tray |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (.35% 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 # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # 1-745494-5
15 HDE MS PLUG,22-26,LEAD FREE

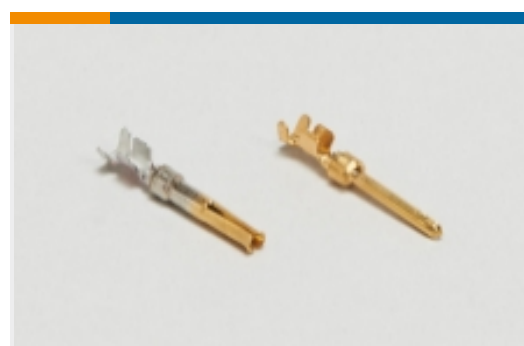


TE Part # 1-745494-7
PLUG ASSY,15P,HDE,MS



TE Part # 206509-1
SIZE 20 KEYING PLUG

Also in the Series | AMPLIMITE HDP



D-Sub Connector Contacts(6)



PCB D-Sub Connectors(83)

Customers Also Bought



TE Part #292253-2
CT CONN MT HDR ASSY H 2P NAT



TE Part #3-2176231-6
3522 300R 1% 3W



TE Part #726386-2
250 FASTON TAB TPBR



TE Part #1676365-2
RN 0805 51K1 0.1% 10PPM 1KRL



TE Part #1-2176308-2
RP 1E 0.1W 174K 0.1% 25PPM 5K RL



TE Part #1625827-4
TL3A R018 1%



TE Part #1461353-2
PCH-105L2MH,000

Documents

[Product Drawings](#)
15P.HDP20 REC.ASSY.

English

[CAD Files](#)



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_106506-2_J_c-106506-2-j.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_106506-2_J_c-106506-2-j.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_106506-2_J_c-106506-2-j.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors](#)

English