

5-747917-2 ✓ ACTIVE

## AMPLIMITE

TE Internal #: 5-747917-2

Solder D-Sub Connectors, Receptacle, Cable-to-Board, 37 Position,  
20 D-Sub Contact Size, 4 D-Sub Shell Size, Shielded, Mating  
Retention

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > Solder D-Sub Connectors



Connector & Housing Type: **Receptacle**

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

Number of Positions: **37**

D-Sub Contact Size: **20**

D-Sub Shell Size: **4**

### Features

#### Product Type Features

Grade	Standard
Grounding Indents	Without
Product Type	Connector
Shell Type	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
D-Sub Shell Size	4
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

#### Configuration Features

Preloaded	Yes
Number of Positions	37

#### Body Features

Shell Material	Steel
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Color	Black
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Insert Material	Thermoplastic
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Shell Plating Material	Tin
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#### Contact Features

Contact Type	Socket
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	.8 $\mu$ in
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Contact Mating Area Plating Material	Gold Flash
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin-Copper
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Contact Base Material	Phosphor Bronze
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D-Sub Contact Size	20
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Contact Current Rating (Max)	3 A
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#### Termination Features

Termination Method to Wire & Cable	Solder
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#### Mechanical Attachment

Mounting Angle	Straight
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PCB Mount Retention Type	None
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Mating Retention	With
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Mating Retention Type	Mounting Holes
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Connector Mounting Type	Board Mount
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#### Housing Features

Enclosure	Without
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Centerline (Pitch)	2.77 mm[.11 in]
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#### Dimensions

Wire Size	.5 – .6 mm <sup>2</sup>
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#### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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#### Operation/Application

Shielded	Yes
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Circuit Application	Signal
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#### Industry Standards

Insert Flammability Rating	UL 94V-0
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UL Flammability Rating	UL 94V-0
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**Packaging Features**

Packaging Method	Tray
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**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: JAN 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with lead free solder

**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**



**Customers Also Bought**



TE Part #1658670-2  
D-Sub Connector Contacts: Pin, Brass, Signal, Size 22



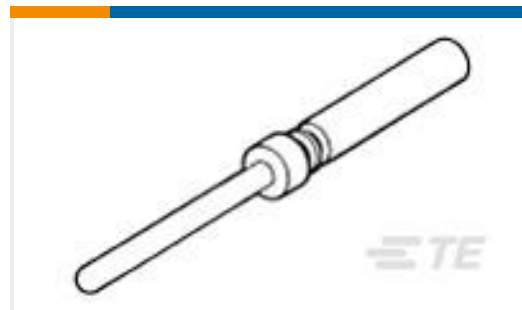
TE Part #1658686-2  
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 22



TE Part #1757819-6  
AMPLIMITE,ASY,PLUG,STD,109,ZN,1,CT



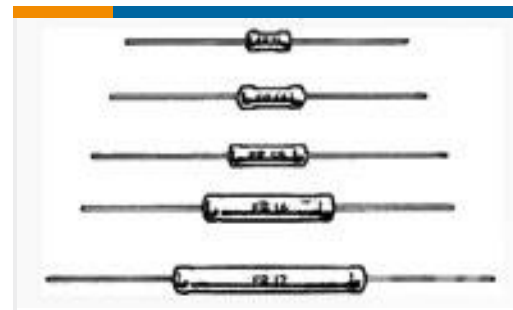
TE Part #102387-4  
20 MODIV HSG COMP DR .100 POL CT



TE Part #204370-2  
PIN CONTACT,Sz22D,22-28 AWG



TE Part #1658623-7  
30 NOVO MIL 30DP, LEAD FREE



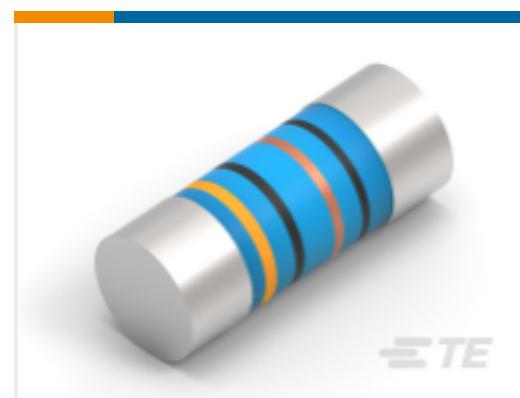
TE Part #1623746-5  
ER74 12R 5% AMMO PK



TE Part #1-292227-4  
MINI COMMON TERMINATION HEADERS



TE Part #YDTS26F25-35SB0000  
D38999: Straight Plug, 25-35 Insert



TE Part #1-2176314-3  
MELF SMA\_A 1K0 0.1% 15PPM 0102 0.3W

## Documents

### Product Drawings

37 Rcpt Solder Cup, Gold Flash

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-747917-2\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-747917-2\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-747917-2\_T.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 - Cable Connectors**

English

**AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG**

English

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**Product Specifications**

**Product Specification**

English

**Product Specification**

English

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**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English

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**Instruction Sheets**

**Instruction Sheet (U.S.)**

English

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**Agency Approvals**

**UL Report**

English

**UL Report**

English