

5-338313-2 ✓ ACTIVE

## AMPLIMITE

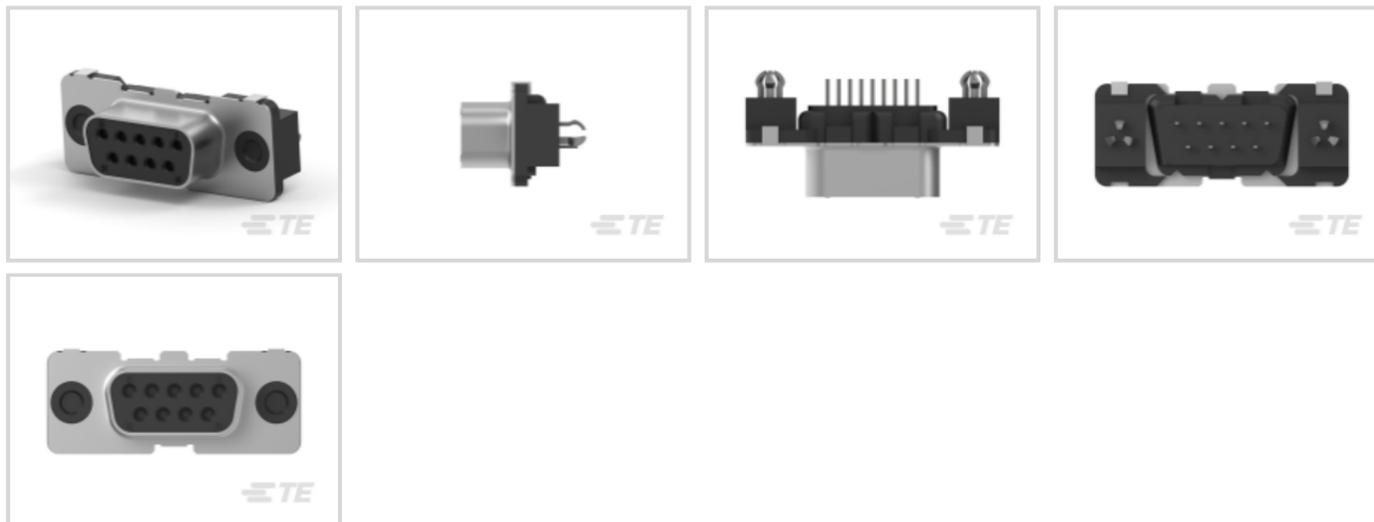
TE Internal #: 5-338313-2

9 Position D-Shaped Connector, Receptacle, Cable-to-Board,  
Board Mount, Shell Size 1, 2.74 mm [.108 in] Centerline, Printed  
Circuit Board, Signal

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Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm



Number of Positions: 9

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: 1

[All D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm \(37\)](#)

## Features

### Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

Assembly Process Feature Material	Phosphor Bronze
Shell Plating Material	Tin



Primary Product Color	Black
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Connector Profile	Standard
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### Contact Features

	30 $\mu$ m
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Contact Underplating Material	Nickel
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Contact Mating Area Plating Material	Gold (Au)
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin
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Contact Shape & Form	Round
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Contact Current Rating (Max)	6 A
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Contact Options	Installed
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### Termination Features

Rectangular Termination Post & Tail Width	.45 mm[.017 in]
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Rectangular Termination Post & Tail Thickness	.32 mm[.012 in]
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Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	3.2 mm[.126 in]
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### Mechanical Attachment

Mounting Hole Diameter	5 mm
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Assembly Process Feature Plating Material	Tin
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Connector Mounting Type	Board Mount
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PCB Mount Retention	Without
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Mating Retention	Without
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Mating Retention Type	Threaded Insert, 4-40 UNC
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### Housing Features

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

PCB Thickness (Recommended)	1.6 mm[.063 in]
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Row-to-Row Spacing	2.84 mm[.112 in]
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### Usage Conditions

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

Durability Rating	200 Cycles
Shielded	No
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	DIN 41652

### Packaging Features

Packaging Quantity	55
Packaging Method	Tray

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-AM7-248H3  
IDC D-Sub: Plug Assembly, Wire to  
Wire, Signal, 2.77 mm



TE Part # 1-747944-5  
09 SHLDG ENCL PLUG, LEAD FREE



TE Part # 206509-1  
SIZE 20 KEYING PLUG

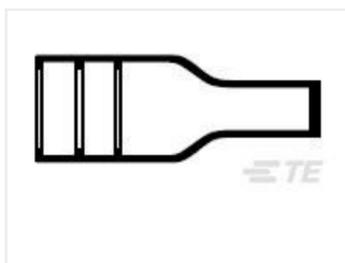


TE Part # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low  
Profile, Signal, 2.77 mm

## Customers Also Bought



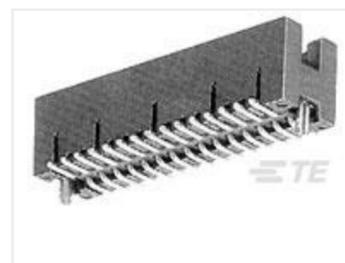
TE Part #800245-SF  
FN382-6-21



TE Part #814406-000  
202D121-4-0



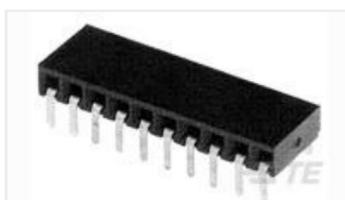
TE Part #T4162123005-005  
RPC-M12-5MS-5.0SH-M12-5FS-PUR



TE Part #5-147381-2  
20 50/50 HDR SMT.250 W/HD SN



TE Part #177619-1  
AMPLIMITE SCREW LOCK



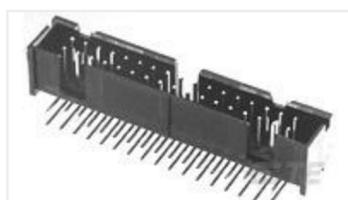
TE Part #216602-4  
4P HV190 FEDERLEIS



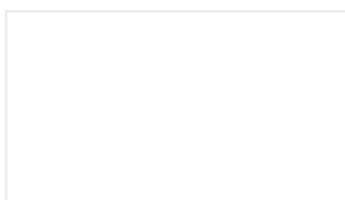
TE Part #9-1676123-3  
1/2W SM M/OX 5% 5K6



TE Part #3-2176379-6  
RQ 0805 249R 0.1% 10PPM 5K RL



TE Part #5103311-3  
A/L LOW PRO HDR 16P RA BLACK



TE Part #166066-E  
IDCCS SMC 1,27 26 \* AU AUI 50 PVC

## Documents

### Product Drawings

[9POS.HD-20 REC.ASSY](#)

English

### CAD Files

[3D PDF](#)

[3D](#)



**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-338313-2\\_E\\_c-5-338313-2-e.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-338313-2\\_E\\_c-5-338313-2-e.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-338313-2\\_E\\_c-5-338313-2-e.3d\\_stp.zip](#)

English

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