

#### AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5745959-1

Plug, Board-to-Board, 25 Position, 2.74 mm [.108 in] Centerline, 2

Row, 3 Connector Shell Size, Square, AMPLIMITE HD-20, PCB D-

Sub Connectors

View on TE.com >



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm











Connector & Housing Type: Plug

Connector System: Board-to-Board

Number of Positions: 25

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

Number of Rows: 2

All D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm (47)

### **Features**

#### **Product Type Features**

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Shell Material Configuration	Full Metal Shell
Ground Feature Type	Grounding Indents
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	3
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Vertical
Body Features	

Shield Plating Material Tin



Shield Material	Steel
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard
Contact Features	
Contact Options	Installed
	30 μin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Termination Features	
Square Termination Post & Tail Dimension	.63 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mounting Hole Diameter	3.05 mm[.12 in]
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Clinch Nut, 4-40 UNC
Connector Mounting Type	Board Mount
Housing Features	
Shell Material	Carbon Steel
Housing Material	Nylon GF, PBT GF
Centerline (Pitch)	2.74 mm[.108 in]
Dimensions	
PCB Thickness (Recommended)	2.36 mm[.093 in]
Row-to-Row Spacing	2.84 mm[.112 in]
Usage Conditions	



Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Shielded	Yes
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	10
Packaging Method	Tube

### **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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

## Compatible Parts





TE Part # CAT-AM7-248H5 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm



### Also in the Series | AMPLIMITE HD-20



# Customers Also Bought





TE Part #5-2176231-8 3522 2K4 1% 3W



TE Part #745820-1 15 RCPT SP/MS CNUT



TE Part #1577630-1 TERMINAL RT PIDG PEEK STRATO 18-16 AWG



TE Part #1827525-1 MECHATROLINK II CONNECTOR KIT



TE Part #CSJ-SGFB-100-MHF4 SMA to MHF4 100mm 0.81 OD



TE Part #5053112041 RNF-100-1/4-4-STK



TE Part #59824-1 TETRA-CRIMP PIDG PG FASTON 22-10 ASSY

TE Part #5039944010 SRFR-7.8/4.6-8-CS-34034



### **Documents**

### **Product Drawings**

25 PLUG SP/MS CNUT

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5745959-1\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5745959-1\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5745959-1\_B.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 - Straight Posted Connectors

English

### **Product Specifications**

**Application Specification** 

English

### Agency Approvals

**UL Report** 

English