

5745959-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

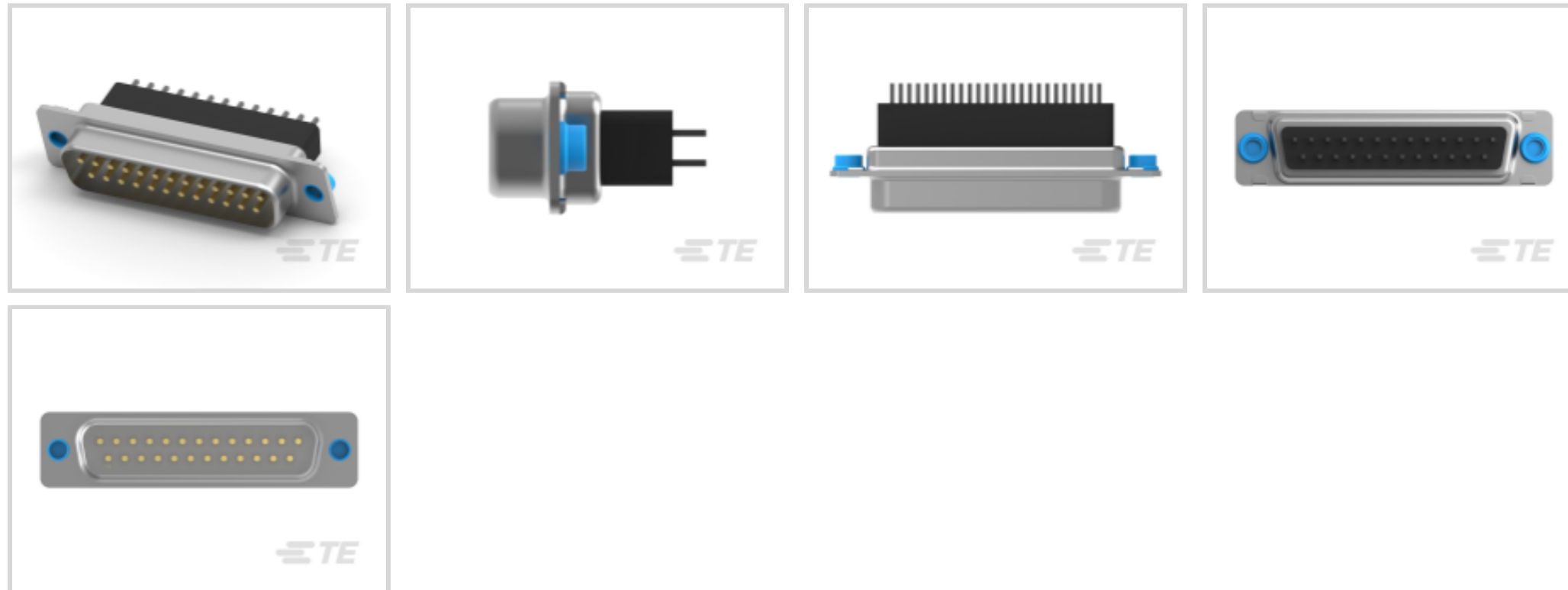
TE Internal #: 5745959-1

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

Contact Features

	30 μ m
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Contact Underplating Material	Nickel
Contact Options	Installed
Contact Mating Area Plating Material	Gold
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin

Product Type Features

Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	3
Connector & Contact Terminates To	Printed Circuit Board



Ground Feature Type	Grounding Indents
---------------------	-------------------

Shell Material Configuration	Full Metal Shell
------------------------------	------------------

Configuration Features

Number of Positions	25
---------------------	----

Number of Rows	2
----------------	---

PCB Mount Orientation	Vertical
-----------------------	----------

Housing Features

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

Housing Material	Nylon GF, PBT GF
------------------	------------------

Shell Material	Carbon Steel
----------------	--------------

Dimensions

Row-to-Row Spacing	2.84 mm [.112 in]
--------------------	-------------------

PCB Thickness (Recommended)	2.36 mm [.093 in]
-----------------------------	-------------------

Body Features

Connector Profile	Standard
-------------------	----------

Shield Plating Material	Tin
-------------------------	-----

Shield Material	Steel
-----------------	-------

Shell Plating Material	Tin
------------------------	-----

Primary Product Color	Black
-----------------------	-------

Mechanical Attachment

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
-------------------------	-------------

Mounting Hole Diameter	3.05 mm [.12 in]
------------------------	------------------

Operation/Application

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

Shielded	Yes
----------	-----

Usage Conditions

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



Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm [.125 in]
Square Termination Post & Tail Dimension	.63 mm [.025 in]

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



TE Part # 747548-8
KIT, RCPT, 25P, HDE, SHLD HDWRE

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



PCB D-Sub Connectors(353)

Customers Also Bought



TE Part #5747841-4
15 MSFL PLUG RA 318 (IN,FM,BL)



TE Part #5747190-1
09 RCPT SP/MS CNUT



TE Part #31886
PIDG R 22-16 COMM 22-18 MIL 8



TE Part #6368150-1
MJ,TE,8P,CAT5,SHIELDED



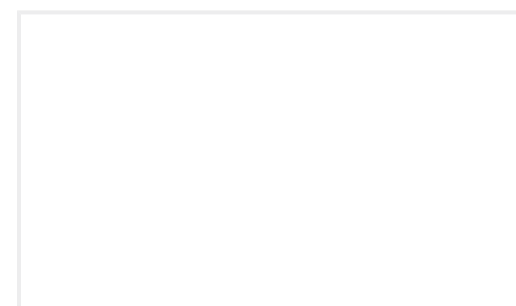
TE Part #CB3127-000
D-1744-03-LF



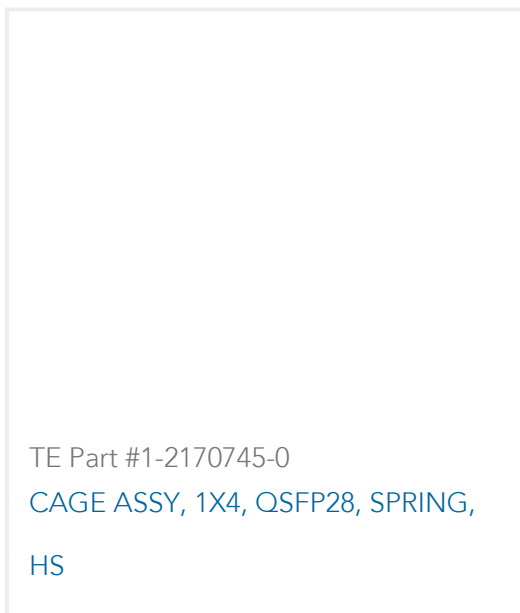
TE Part #1932605-1
1X1SFP CAGE ASSY & PT CONNECTOR ASSY



TE Part #1SNA173220R0500
PR30



TE Part #2301472-5
CAGE ASSY, QSFP28 1X1, SPRING, CSMID HS



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