5747301-7 ✔ ACTIVE

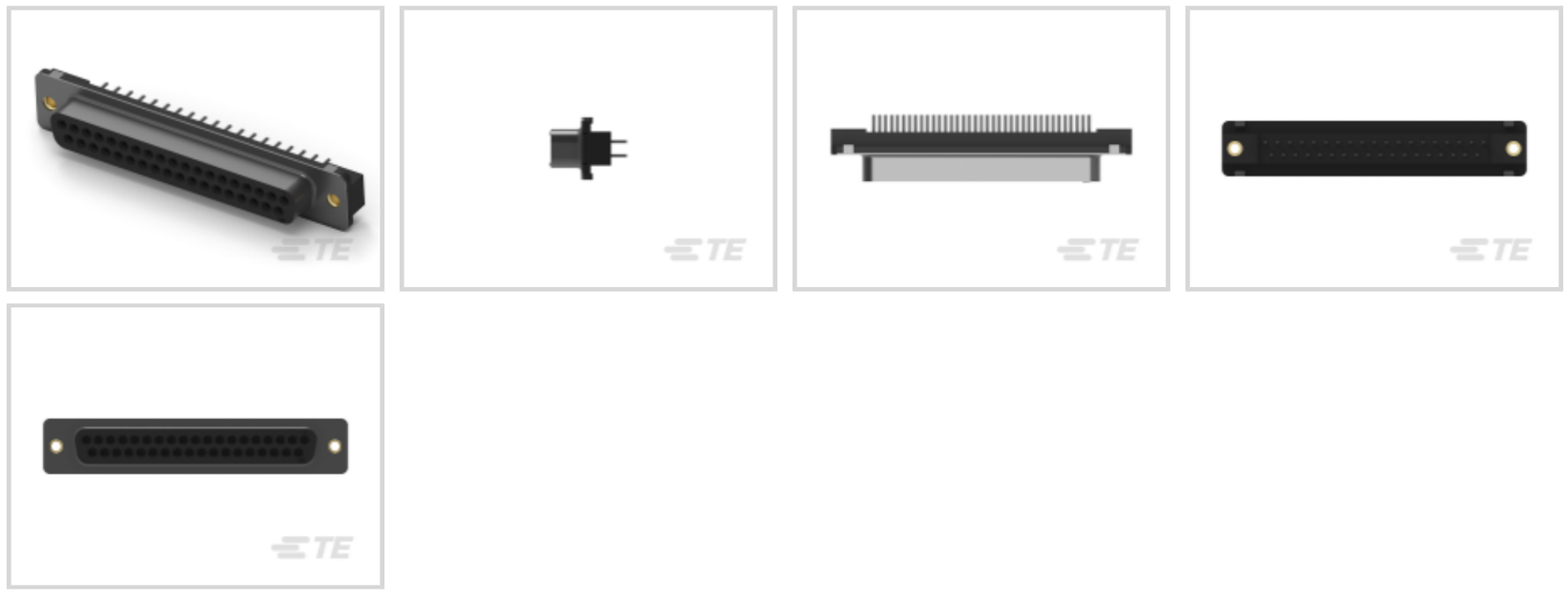
AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5747301-7

Receptacle, Board-to-Board, 37 Position, 2.77 mm [.109 in] Centerline, 2 Row, 4 Connector Shell Size, Round, AMPLIMITE HD-20, PCB D-Sub Connectors

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **37**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **2**

All D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm (30)

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	4
Connector & Contact Terminates To	Printed Circuit Board
Shell Material Configuration	Front Metal Shell

Configuration Features

Number of Positions	37
Number of Rows	2
PCB Mount Orientation	Vertical

Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
Housing Material	Polyester

Shell Material	Carbon Steel

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]

Contact Features

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

Body Features

Connector Profile	Standard
Shell Plating Material	Tin
Mating Retention Feature Material	Brass
Primary Product Color	Black

Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Operation/Application

Circuit Application	Signal

Usage Conditions

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

Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

Termination Features

Termination Post & Tail Diameter	.66 mm[.026 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	7
Packaging Method	Tube

Product Compliance

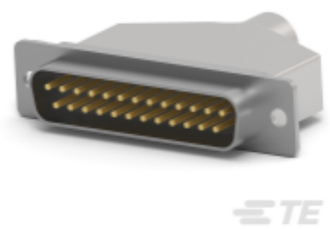
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% 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-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

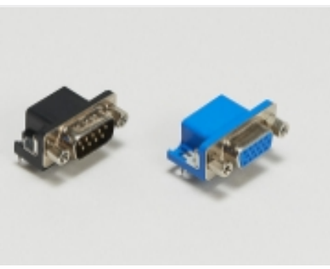


TE Part # 1-745498-7
PLUG ASSY,37P,HDE,MS



TE Part # 206509-1
SIZE 20 KEYING PLUG

Also in the Series | AMPLIMITE HD-20



PCB D-Sub Connectors(353)

Customers Also Bought



TE Part #1-5745967-4
25 RCPT SP/FMS SCRLK



TE Part #5747871-8
09 PLUG SP/FMS INSRT



TE Part #5-1462037-5
IM41JR=IM RELAY 100mW 3V BIS



TE Part #1-188275-0
MICRO-MATCH SMD FTE



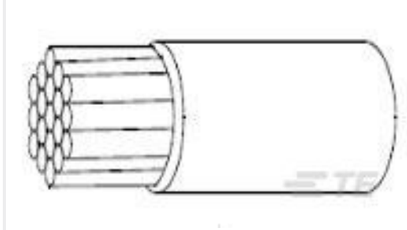
TE Part #1-6609028-7
20VK1=F7147 S0



TE Part #2301997-7
RJ45 JACK INT.MAG. 1GB LED 2X1



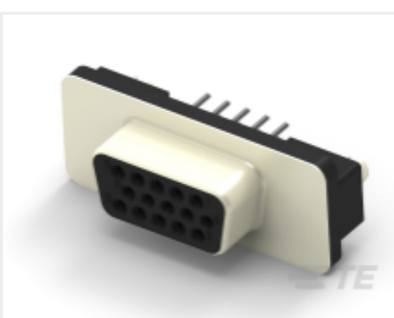
TE Part #316039-004
55A1121-24-0/9-9



TE Part #216278-001
22759/33-24-9



TE Part #104068-3
30 SYSTEM 50 HDR DRST SHRD



TE Part #2317171-1
AMPL REC, HD22, VERT, 15P, THREADED

Documents

Product Drawings

37 RCPT SP/FMS INSRT

English

CAD Files

Customer View Model

ENG_CVM_CVM_5747301-7_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5747301-7_L.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_5747301-7_L.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_5747301-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5747301-7_A.3d_stp.zip

English

Customer View Model

ENG_CVM_5747301-7_A.2d_dxf.zip

English

3D PDF

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