2-5747705-1 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

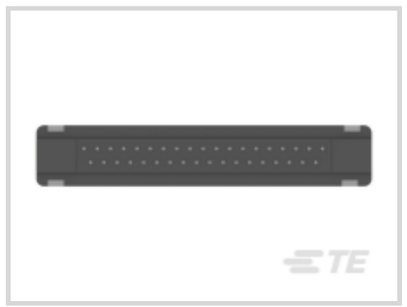
TE Internal #: 2-5747705-1

37 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, Shell Size 4, 2.77 mm [.109 in] Centerline, Printed Circuit Board, AMPLIMITE HD-20

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm




Number of Positions: **37**

Connector & Housing Type: **Plug**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **4**

All D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm (13)

Features

Product Type Features

Ground Feature Type	Grounding Indents
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	4
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Body Features

Assembly Process Feature Material	Brass

Shield Plating Material	Tin
Insert Material	Brass
Shield Material	Steel
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard

Contact Features

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

Termination Features

Termination Post & Tail Diameter	.66 mm[.026 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	4.32 mm[.17 in]

Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
Assembly Process Feature Plating Material	Tin
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Female Screwlocks, 4-40 UNC

Housing Features

Housing Material	Thermoplastic
Shell Material	Carbon Steel
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm, 2.36 mm[.062 in][.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
Compatible With Approved Standards Products	UL E28476

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
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

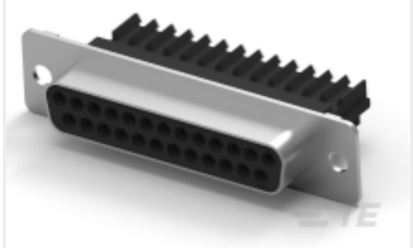
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

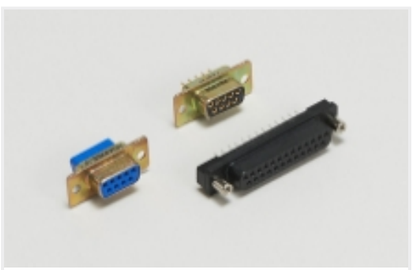


TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



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

Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

Customers Also Bought



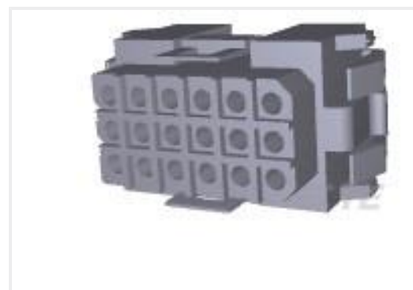
TE Part #374545-E
STVC 32 M AC GG 4-00 0606 * * 247 E007 1



TE Part #214836-E
STVC 96 F ABC VVV 7-00 TL 4,0 * 247 E007



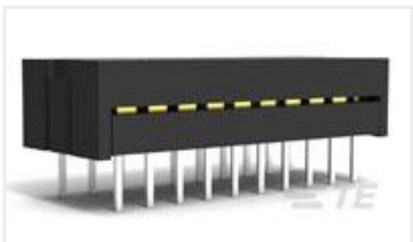
TE Part #207088-1
METRIMATE,STR REL KIT,24P



TE Part #207442-1
18 POS SQ GRID METRIMATE-PLUG



TE Part #207603-1
METRIMATE,STR REL KIT,18P



TE Part #746611-8
14 DIP PLUG CONN-W/COVER



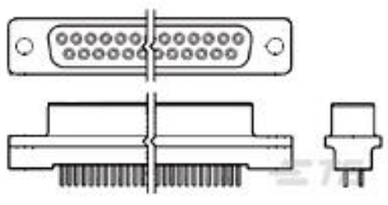
TE Part #1-1437558-1
MTA106DPC=(MSTA) SW TOG P/C TE



TE Part #5-1437567-0
MPG106F=(MSPG) SWITCH PUSHBUTT



TE Part #1-1622824-6
RL73H 3A R47 1% 4K RL



TE Part #5745076-4
HD-20 RCPT 9P VERT FFSCRLK

Documents

Product Drawings

37 PLUG SP/FMS SCRLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-5747705-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-5747705-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-5747705-1_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English