

37 RCPT SP/MS STD

✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

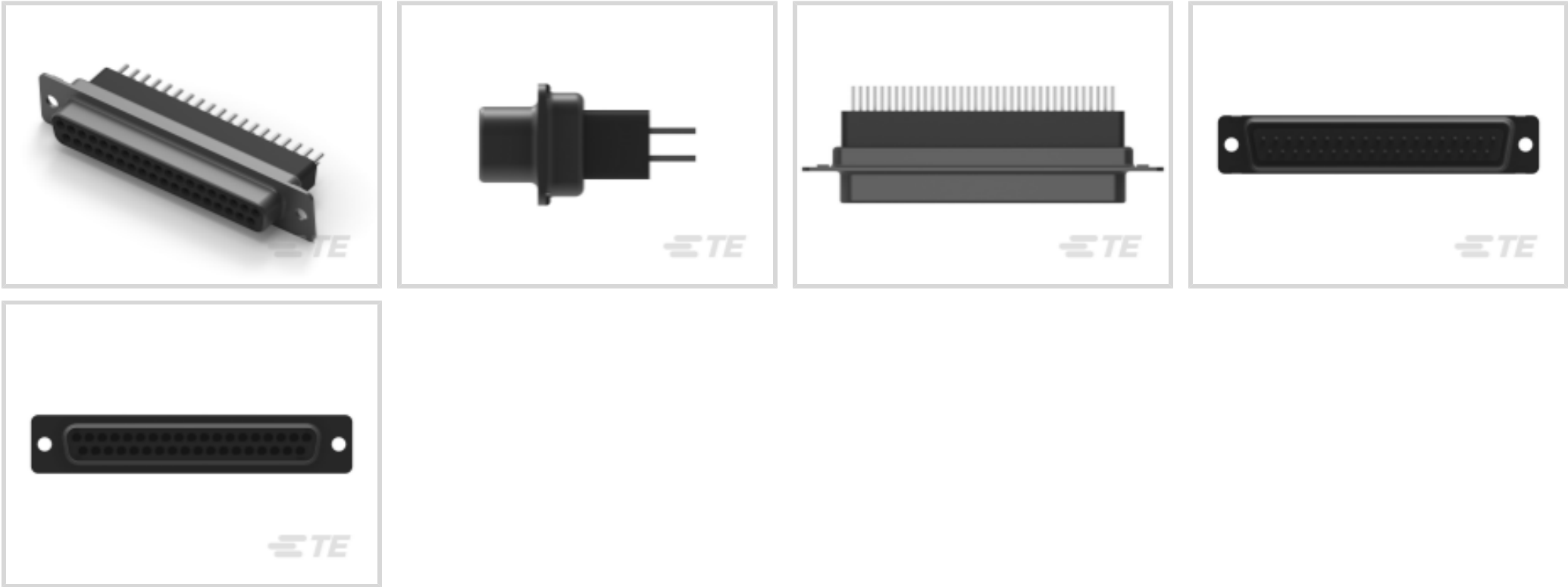
TE Part # 5745189-1

TE Internal #: 5745189-1

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector Style: **Receptacle**
Connector System: **Board-to-Board**
Number of Positions: **37**
Centerline (Pitch): **2.74 mm [.108 in]**
Number of Rows: **2**

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Shell Type	Full Metal Shell
Connector Style	Receptacle
Connector System	Board-to-Board
Row-to-Row Spacing	.112 in, 2.84 mm
Shell Size	4
Profile	High
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

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



Preloaded	Yes
Body Features	
Plastic	No
Insert Material	Thermoplastic
Shell Material	Steel
Shell Plating Material	Tin
Post Size	.64 mm[.025 in]
Contact Features	
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape	Square
Contact Current Rating (Max)	6 A
Contact Mating Area Plating Material	Gold
	30 µin
Termination Features	
Grounding Clips	Without
Termination Post Length	3.18 mm[.125 in]
Mechanical Attachment	
Panel Mount Feature	Without
PCB Mounting Style	Through Hole
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Connector Lock	Without
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]
Housing Features	
Centerline (Pitch)	2.74 mm[.108 in]
Dimensions	
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]



Operation/Application

Circuit Application	Signal
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Industry Standards

Insert Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
Packaging Quantity	7

Other

Comment	All receptacles are preloaded with size 20 DF posted socket contacts
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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: JAN 2019 (197) Candidate List Declared Against: JAN 2018 (181)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



Compatible Parts

TE Part # 1-745498-6 PLUG ASSY,37P,HDE,MS	TE Part # 1-747950-5 KIT,PLUG,37P,HDE,SHLD ENCLSRE	TE Part # 1-747950-4 KIT,PLUG,37P,HDE,SHLD ENCLSRE	TE Part # 1658608-1 37 POS HDF PLUG, MS, LEAD FREE
TE Part # 1658613-1 37 POS HDF PLUG, MS, LEAD FREE	TE Part # 1-745498-5 37 HDE MS PLUG,22-26, LEAD FREE	TE Part # 5746881-2 SCREW RETAINER KIT, BULK PKG	TE Part # 206509-1 SIZE 20 KEYING PLUG

Also in the Series | [AMPLIMITE HD-20](#)

Board-to-Board Connector Contacts(1)	PCB D-Sub Connectors (353)

Customers Also Bought

TE Part #5745187-1 25 RCPT SP/MS STD	TE Part #1-794075-0 16P MINI UMNL HDR W/O DH SN	TE Part #207121-9 METRIMATE PIN HDR ASY, 36P LF	TE Part #1-206763-3 METRIMATE PIN HEADER ASSY,24P

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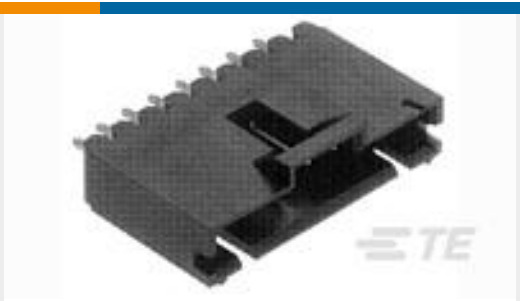
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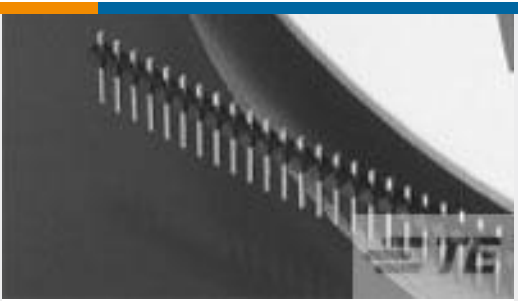
TE Part #1-794079-0
24P MINI UMNL HDR W/O
DH SN LF



TE Part #745183-1
09 RCPT SP/MS STD



TE Part #6-103639-4
15 MTE HDR SRST LATCH .
100CL



TE Part #146870-1
B/A REELED SRST HDR
ASSY 30 AU



TE Part #85829-4
04 MODI HDR SRST .156CL



TE Part #745187-1
25 RCPT SP/MS STD

Documents

Product Drawings

37 RCPT SP/MS STD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5745189-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5745189-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5745189-1_B.3d_stp.zip

English

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Straight Posted Connectors

English

Product Specifications

Application Specification

English