



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors



Connector & Housing Type: **Plug**

Solid Wire Size: **.13 – .32 mm²**

Shielded: **Yes**

Connector System: **Cable-to-Cable**

Features

Product Type Features

Grade	Standard
Grounding Indents	With
Product Type	Connector
Shell Type	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Yes
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Pre-Assembled	No
Number of Positions	25
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features

Shield Material	Steel
Color	Black
Shell Material	Steel



Insert Material	Thermoplastic
Shell Plating Material	Tin
Shield Plating Material	Tin

Contact Features

Contact Type	Pin
Contact Mating Area Plating Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
D-Sub Contact Size	20
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
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Mechanical Attachment

Mating Connector Lock	With
Mounting Angle	Straight
Mating Connector Lock Type	Mounting Holes
Wire Insulation Support	With
PCB Mount Retention Type	None
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Enclosure	With
Centerline (Pitch)	1.38 mm[.054 in]

Dimensions

Cable Outside Diameter	4.19 – 11.56 mm[.165 – .455 in]
Cable Insulation Diameter	4.19 – 11.56 mm[.165 – .455 in]
Accepts Cable Diameter (Max)	11.56 mm[.455 in]
Accepts Wire Insulation Diameter Range	1.52 mm[.06 in]
Solid Wire Size	.13 – .32 mm ²
Wire Size	.15 – .4 mm ²

Usage Conditions

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

Shielded	Yes
Circuit Application	Signal

Industry Standards

Insert Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

Comment	Components shipped unassembled, each part bulk-packaged., Maximum cable diameter after jacket and braid removed.
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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 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability







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

 <p>TE Model / Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME</p>	 <p>TE Model / Part # 5-106507-2 25P.HDP20 REC.ASSY</p>	 <p>TE Model / Part # 3-106507-2 25P.HDP20 REC.ASSY.</p>	 <p>TE Model / Part # 1-745967-4 25 RCPT SP/FMS SCRLK</p>
 <p>TE Model / Part # 5745536-2 25 RCPT RA/MS STD (SL)</p>	 <p>TE Model / Part # 747846-4 25 MSFL RCPT RA 318 (IN,FM,BL)</p>	 <p>TE Model / Part # 788800-1 25 HTMSFL ASSY RA 318 (IN,BL)</p>	 <p>TE Model / Part # 5745783-2 25 MSFL RCPT RA 318 (FM)</p>
 <p>TE Model / Part # 1-745495-8 25 HDE MS RCPT,22-26,LEAD FREE</p>	 <p>TE Model / Part # 745967-2 25 RCPT SP/FMS STD</p>	 <p>TE Model / Part # 745967-8 25 RCPT SP/FMS INSRT</p>	 <p>TE Model / Part # 5745187-1 25 RCPT SP/MS STD</p>
 <p>TE Model / Part # 745783-4 25 MSFL RCPT RA 318 (IN,FM)</p>	 <p>TE Model / Part # 1-745495-7 25 HDE MS RCPT,26-30,LEAD FREE</p>	 <p>TE Model / Part # 5745928-2 25 RCPT ACT PIN/MS MED SCRLK</p>	 <p>TE Model / Part # 5747846-2 25 MSFL RCPT RA 318 (FM,BL)</p>



TE Model / Part # 5746861-2
25 POS HDF RCPT, MS



TE Model / Part # 5745783-4
25 MSFL RCPT RA 318 (IN,FM)



TE Model / Part # 1-5745967-6
25 RCPT SP/FMS SCRLK




TE Model / Part # 1658610-2
25 POS HDF RCPT, MS, LEAD FREE

Also in the Series | **AMPLIMITE HDE**



Crimp D-Sub Connectors(1)




D-Sub Connector Contacts(13)



IDC D-Sub Connectors(83)

Customers Also Bought



TE Model / Part #1-222246-0
CONTACT,PLUG,COML BNC PLATED




TE Model / Part #222246-2
CONTACT, PLUG, COML BNC



TE Model / Part #747548-9
KIT,RCPT,25P,HDE,SHLD HDWRE



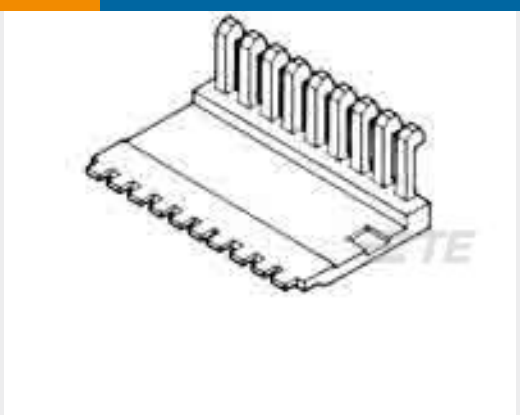
TE Model / Part #7-102398-8
60 AMPMODU MT ASSY DR.100CL SN



TE Model / Part #282812-4
TERMI-BLOK HEADER,ASSY 4P. 5



TE Model / Part #1-57040-8
Madison Spec 100-4703 Rev. 7



TE Model / Part #2-102536-8
60 AMPMODU MT COVER DR .100CL



TE Model / Part #332225
PLUG, TWIN BNC,



TE Model / Part #6-535585-0
20 MODIV VRT DR CE RCPT ASSY



TE Model / Part #YDTS20F21-35PN0000
SQUARE FLANGE RECEPTACLE



Documents

Product Drawings

KIT,PLUG,25P,HDE,SHLD HDWRE

English

CAD Files

Customer View Model

ENG_CVM_CVM_747547-9_J.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_747547-9_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_747547-9_J.3d_igs.zip

English

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Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Cable Connectors

English

AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG

English

Product Specifications

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English

UL Report

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