



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



Connector & Housing Type: **Plug**

Solid Wire Size: **.13 – .32 mm²**

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm \(22\)](#)

Features

Product Type Features

Grade	Standard
Grounding Indents	With
Cable Support Gate Material	Polypropylene
Grommets	With
Shell Type	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	25
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable

Body Features

Strain Relief Clip Material	Stainless Steel
Body Material	Polypropylene



Cable Exit Angle	180°
Retainer Clip Material	Stainless Steel
Shell Material	Steel
Shell Plating Material	Tin over Copper
Cable Clamp Type	One-Piece Quick Snap

Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Gold Flash
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, Phosphor Bronze
D-Sub Contact Size	20
Contact Current Rating (Max)	1.5 A, 2.4 A

Termination Features

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

Mechanical Attachment

Mating Connector Lock	With
Mounting Screw Plating Material	Zinc
Mounting Angle	Straight
Mating Connector Lock Type	Mounting Holes
Mounting Screw Material	Steel
Screw Plating Material	Zinc
Screws and Retainer Clips	With
Screw Material	Steel
PCB Mount Retention Type	None
Screw & Hole Thread Size	4-40
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon GF, Polyester GF
Housing Color	Black
Enclosure	With
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

--	--



Cable Insulation Diameter Range	6.48 – 11.94 mm[.255 – .47 in]
Solid Wire Size	.13 – .32 mm ²
Wire Size	.15 – .4 mm ²

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

Packaging Features

Packaging Method	Package
Packaging Quantity	1

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 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
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 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>

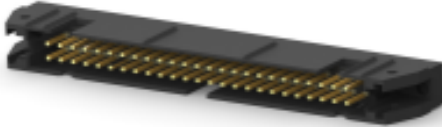
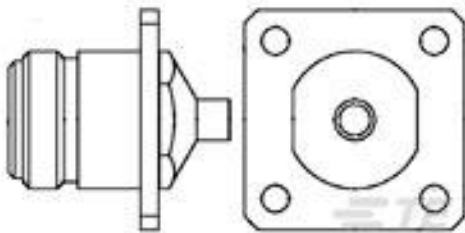
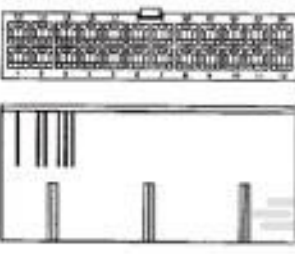
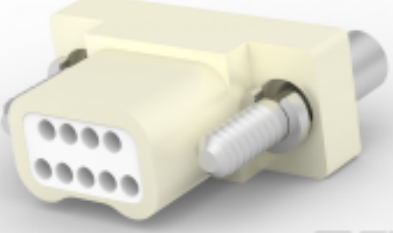
Compatible Parts

 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 608868-1 HDE HT PKG FOR SUB D	 TE Part # 543426-1 TERMINATION TOOL S/A,HDE	 TE Part # 543426-2 TERMINATION TOOL S/A,HDE
---	--	--	--

Also in the Series | **AMPLIMITE HDE**

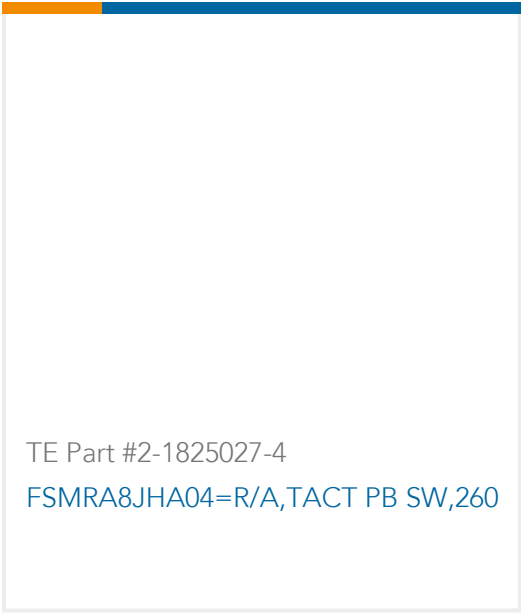
 Crimp D-Sub Connectors(1)	 D-Sub Connector Contacts(13)	 IDC D-Sub Connectors(83)	 Insertion & Extraction Tools(2)
--	---	---	--

Customers Also Bought

 TE Part #1-5499206-1 AMP-LATCH UNIVERSAL HEADERS	 TE Part #1-745495-7 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm	 TE Part #1658653-1 D-Sub Crimp Recpt Signal 50 Posn, Socket Size 20, Shell Size 5	 TE Part #1-1676481-9 CPF 0603 30R 0.1% 25PPM 1K RL
 TE Part #1057176-1 3006 7941 00	 TE Part #YDTS26F13-98PAV001 Straight Plug: D38999, 13-98 Insert, Electroless Nickel Plating	 TE Part #1-1586000-2 12P FH PLUG VAL-U-LOK V2	 TE Part #1589473-1 STM009PC2DC012N = WDUALOBE



TE Part #1838238-3
M12 MALE CONN. , STRAIGHT, PVC CABLE



TE Part #2-1825027-4
FSMRA8JHA04=R/A,TACT PB SW,260

Documents

Product Drawings

KIT SZ 1, HDE PLUG, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_749810-9_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_749810-9_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_749810-9_H.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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English