

5787131-1 ✓ ACTIVE

CHAMP | CHAMP .8 mm Connector

TE Internal #: 5787131-1

Plug, .05 mm² Stranded Wire, 30 AWG Stranded Wire, Shielded,
Cable-to-Cable, 50 / 68 Position, CHAMP .8 mm Connector, IDC D-
Sub Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Connector Kit, Plug, Signal, 0.8 mm



Connector & Housing Type: **Plug**

Stranded Wire Size: **30 AWG**

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Signal, 0.8 mm \(3\)](#)

Features

Product Type Features

Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50, 68
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features

Cover Material	ABS/Polycarbonate
Shell Plating Material	Nickel over Copper
Primary Product Color	Black

Contact Features



Contact Options	Installed
Wire Contact Termination Area Plating Material	Tin
	30 µin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.3 A, .5 A, 1.5 A

Termination Features

Termination Cover	Without
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Shell Material	Steel
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.8 mm [.031 in]

Dimensions

Compatible Insulation Diameter (Max)	.64 mm
Compatible Insulation Diameter Range	.56 – .64 mm
Stranded Wire Size	30 AWG

Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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



Also in the Series | [CHAMP .8 mm Connector](#)



Connector Backshells(5)



Connector Hardware(2)

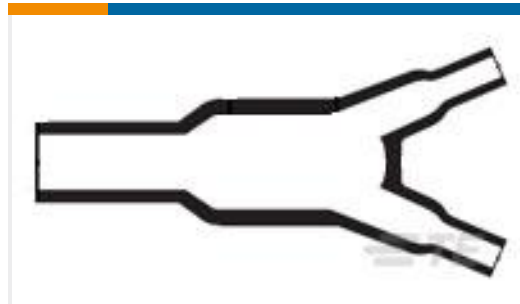


IDC D-Sub Connectors(3)



PCB D-Sub Connectors(8)

Customers Also Bought

TE Part #458821-000
462A023-25/86-0TE Part #879364-000
382A012-25/86-0TE Part #280522-2
2X12P MODU II SHRD HDR, RT ANG,
AUTE Part #5535070-5
ASSY,RECEPTACLE,EUROCARD,TYPE
AUTE Part #2-1437565-7
FSM2JSMA=SMT,TACTILE,PB SWITCHTE Part #5557969-1
MJ,TE,8P/8C,SHLD,PNL STOPS&GTE Part #3-5338556-1
8/8 MOD JACK ASSY SETE Part #1-1825059-3
ADF04S04=DIP SWT,FLUSH,SMT-GWTE Part #5536437-4
ASSY,PIN,EUROCARD,TYPE C,LEAD-
FREE,96 POTE Part #2311775-1
AMPL PLUG, HD22, R/A, 15P, S/L

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_5787131-1_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5787131-1_O.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_5787131-1_O.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

[Mass Termination Tooling Assembly 543580-1 & Cutter Subassembly 543610](#)

English