9-2177810-2 ✔ ACTIVE

Charging Inlets

TE Internal #: 9-2177810-2

Automotive Terminals, Pin, Pin Diameter 6 mm [.236 in], 11 AWG Wire Size, 4 mm² Wire Size, Locking Clean Body, Charging Inlets

View on TE.com >

Terminals & Splices > Automotive Terminals





Terminal Type: **Pin**

Mating Pin Diameter: **6 mm [.236 in]**

Terminal Transmits: **0 – 24 A (Low Power)**

Wire Size: **4 mm²**

Features

Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Clean Body

Contact Features

Contact Size	6mm
Contact Fabrication	Solid
Wire Contact Termination Area Plating Material	Silver
Terminal Type	Pin
Mating Pin Diameter	6 mm[.236 in]
Interface Plating	Silver (Ag)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Accepts Wire Insulation Diameter Range	3.4 – 3.7 mm[.134 – .146 in]

Wire Size	4 mm²
Wire Size Search	11 AWG

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C[176 °F][185 °F][194 °F][212 °F]
Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]

Operation/Application

Compatible With Wire Base Material	Copper

Industry Standards

Agency/Standard	LV214

Packaging Features

Packaging Quantity	240
Packaging Method	Box

Other

Terminal Transmits	0 – 24 A (Low Power)

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (2.5% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed for solder process capability

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 # 2177786-1
5POS, MIXED,HSG, IEC62196-2 TYPE 2,BK

TE Part # 2177786-2
7POS, MIXED,HSG, IEC62196-2 TYPE 2,BK

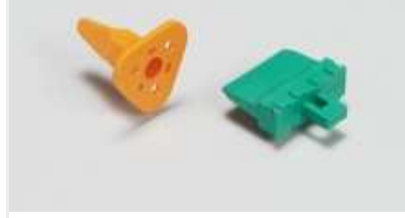
TE Part # 2177786-3
5POS, MIXED,HSG, IEC62196-2 TYPE 2,Top

TE Part # 2177786-5
5POS, MIXED,HSG, IEC62196-2 TYPE 2,Left

TE Part # 2177786-7
5POS, MIXED,HSG, IEC62196-2 TYPE 2,right

Also in the Series | Charging Inlets

Automotive Connector Caps & Covers (31)



Automotive Connector Locks & Position Assurance(3)

Automotive Housings(14)

Automotive Seals & Cavity Plugs(4)

Automotive Terminals(14)

Crimp Wire Pins, Tabs & Ferrules(6)

Electric, Hybrid & Fuel Cell Cable Assemblies(48)

High Voltage Wire Processing Equipment(18)

Other Automotive Connector Accessories(2)

Customers Also Bought

TE Part #2293270-3
PIN DIA 6.0,RIGID,POWER PE

TE Part #2287978-1
2POS,MCON 2.8,REC HSG,SHTD HVIL1.2,ASSY

TE Part #1-1241473-4
KUNSTSTOFFSCHRAUBE

TE Part #1802436-1
FAMILY SEAL,AC,3PH,PE16

TE Part #2-2208376-2
DIA 6MM CON, CONTACT

TE Part #2303237-4
COVER, CABLE SEAL, COMBO DC

TE Part #2316422-2
FAMILY SEAL,AC,1PH COMBO2

TE Part #2330425-1
COVER,CABLE FOR FCA INLET

TE Part #9-2177813-2
PIN DIA 3.0, CP

TE Part #2840730-1
M6 THREADED PRESS-IN INSERTS

Documents

Product Drawings

PIN DIA 6.0, L/N, ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-2177810-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-2177810-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-2177810-2_D.3d_stp.zip

English