776349-1 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776349-1

Automotive Terminals, Pin, Pin Diameter .063 in [1.59 mm], 20 – 18 AWG Wire Size, .5 – .8 mm² Wire Size, Locking Clean Body, AMPSEAL 16

View on TE.com >

Terminals & Splices > Automotive Terminals > Contacts: Size 16, 13A

Terminal Type: **Pin**

Mating Pin Diameter: **1.59 mm [.063 in]**

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

Wire Size: **.5 – .8 mm²**

All Contacts: Size 16, 13A (33)

Features

Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Clean Body

Contact Features

Contact Size	Size 16
Contact Fabrication	Stamped & Formed
Typical Current Rating	13 A
Crimp Type	F-Crimp
Terminal Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Interface Plating	Gold (Au)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Wire Size	.5 – .8 mm²

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Wire Size Search	18 AWG, 19 AWG, 20 AWG
Wire Insulation Diameter	2.26 – 3.32 mm[.089 – .131 in]

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Compatible With Wire Base Material	Copper

Packaging Features

Packaging Method	Reel
Packaging Quantity	4000

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
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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

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– .8 mm² Wire Size, Locking Clean Body, AMPSEAL 16

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

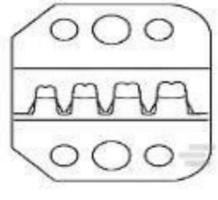TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp

TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings

TE Part # 2151731-1
OCEAN_2.0_Applicator-S-100F130O

TE Part # 91337-1
SIZE 16 PRO-CRIMPER ASSY.

TE Part # 91337-2
SIZE 16 PRO-CRIMPER DIE

TE Part # 2-2151731-1
OCEAN_2.0_Applicator-S-100F130O

TE Part # 2-2151731-2
OCEAN_2.0_Applicator-S-100F130O

TE Part # 2151731-2
OCEAN_2.0_Applicator-S-100F130O

TE Part # 2320913-1
2POS,AMPSEAL 16,PIN HSG ASSY, SLD,COD 1

TE Part # 2320913-2
2POS,AMPSEAL 16,PIN HSG ASSY, SLD,COD 2

TE Part # 2320913-3
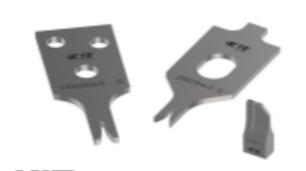2POS,AMPSEAL 16,PIN HSG ASSY, SLD,COD 3

TE Part # 2320913-4
2POS,AMPSEAL 16,PIN HSG ASSY, SLD,COD 4

TE Part # 5-2151731-1
OCEAN_2.0_Applicator-S-100F130O
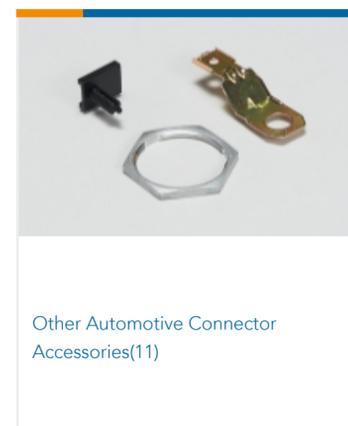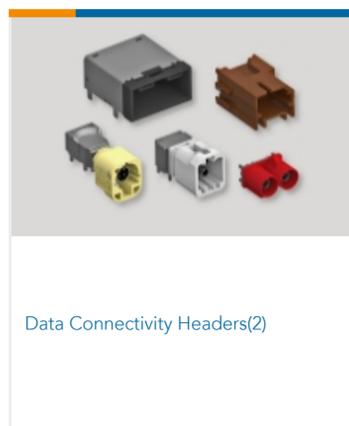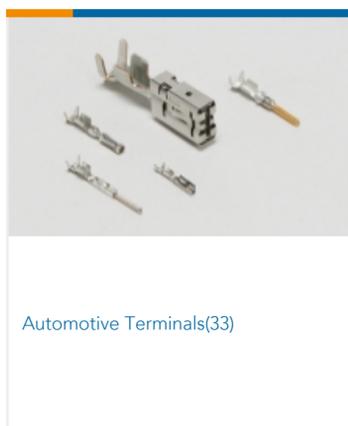
TE Part # 5-2151731-2
OCEAN_2.0_Applicator-S-100F130O

TE Part # 7-2151238-7
OC-100F130O-752-CRIMPTOOLINGKIT

TE Part # 7-2151731-1
OCEAN_2.0_Applicator-S-100F130O

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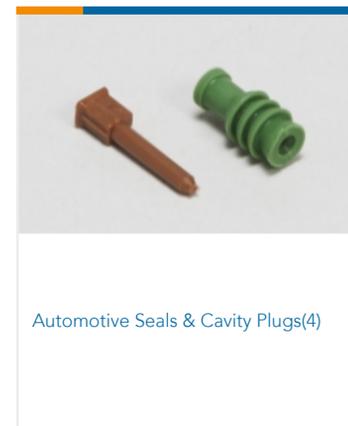
TE Part # 7-2151731-2
OCEAN_2.0_Applicator-S-100F130O

TE Part # 7-2151731-7
OCEAN_2.0_SPARE_PART_KIT-100F130O

TE Part # 91359-2
PRO-CRIMPER II DIE ASSEMBLY

Also in the Series │ AMPSEAL 16

Automotive Connector Caps & Covers (85)

Automotive Connector Locks & Position Assurance(2)

Automotive Housings(241)

Automotive Seals & Cavity Plugs(4)

Automotive Terminals(33)

Data Connectivity Headers(2)

Data Connectivity Housings(3)

Other Automotive Connector Accessories(11)
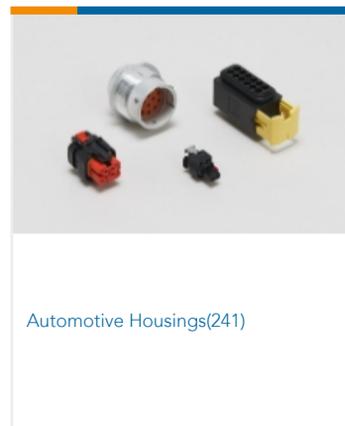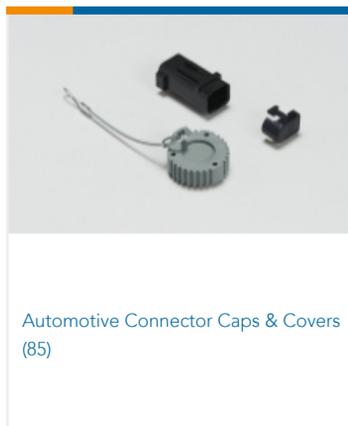
Documents

Product Drawings

PIN, SF, SIZE 16, 18-20 AWG, AU/SN

English

CAD Files

Customer View Model

ENG_CVM_776349-1_C1.3d_igs.zip

English

Customer View Model

ENG_CVM_776349-1_C1.3d_stp.zip

English

Customer View Model

ENG_CVM_776349-1_C1.2d_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English