1-2177053-1 ✔ ACTIVE

AMP+ HVP800

TE Internal #: 1-2177053-1

Housing for Male Terminals, Wire-to-Wire, 2 Position, .9 in [23 mm] Centerline, Sealable, Orange, Wire & Cable, Signal, AMP+ HVP800

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings







Connector System: **Wire-to-Wire**

Number of Positions: **2**

Connector & Housing Type: **Housing for Male Terminals**

Centerline (Pitch): **23 mm [.9 in]**

Sealable: **Yes**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	850 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V, 500 V, 550 V, 600 V

Body Features

Cable Exit Angle	180°

Primary Product Color	Orange
Connector & Keying Code	A

Contact Features

Contact Size	8mm
Contact Type	Pin
Mating Pin Diameter	8 mm[.314 in]

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	23 mm[.9 in]

Dimensions

Connector Height	57.3 mm[2.25 in]
Product Width	92.5 mm[3.64 in]
Product Length	85 mm[3.34 in]

Usage Conditions

Operating Temperature (Max)	140 °C[284 °F]
Operating Temperature Range	-40 - 140 °C[-40 - 284 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

Degree of Protection	IP6K9K

Packaging Features

Packaging Quantity	18
Packaging Method	Box

Other

Serviceable	No

Connector Position Assurance Capable	Yes

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed 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 # 2141156-1
SWS,8MM HV,WHT,50 SQMM



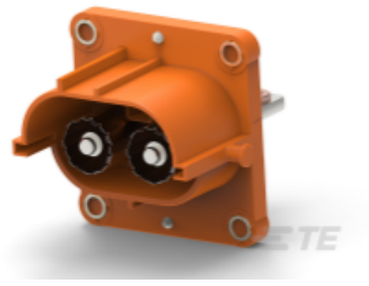
TE Part # 2177059-1
PROTECTION CAP,180DEG



TE Part # 2177058-1
INSULATION INSERT,180DEG



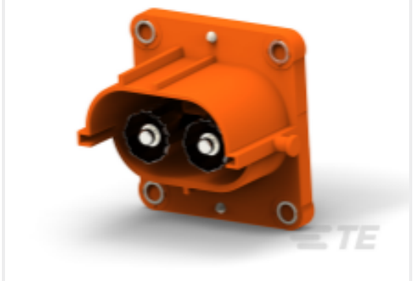
TE Part # 2141156-2
SWS,8MM HV,WHT,35 SQMM



TE Part # 2-2322122-1
HVP800 2P HEADER ASSY



TE Part # 2177090-1
STEEL,OUTER FERRULE,8MM HV, 50SQMM



TE Part # 2322122-1
HVP800 2P HEADER ASSY



TE Part # 2141156-3
SWS,8MM HV,WHT,25 SQMM



TE Part # 2177090-3
STEEL,OUTER FERRULE,8MM HV, 25SQMM



TE Part # 2177090-2
STEEL,OUTER FERRULE,8MM HV, 35SQMM



TE Part # 1-2322122-1
HVP800 2P HEADER ASSY

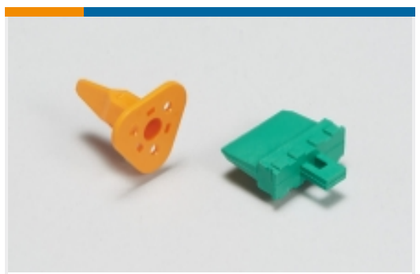
Also in the Series | AMP+ HVP800



Automotive Connector Caps & Covers (11)



Automotive Connector EMC Shielding (10)



Automotive Connector Locks & Position Assurance(1)



Automotive Housings(56)

Automotive Terminals(7)

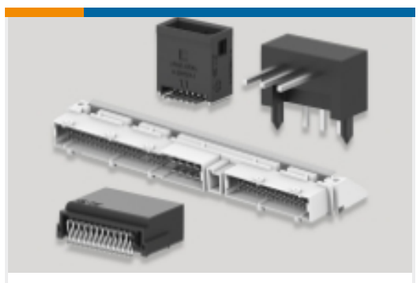
Connector Seals & Cavity Plugs(5)

Electric, Hybrid & Fuel Cell Cable Assemblies(79)

High Voltage Wire Processing Equipment(24)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(44)

Customers Also Bought



TE Part # 2103346-2
HVA280 2 Bay Header Sub-Assy, KEY D, F



TE Part # 1-2141227-1
2POS,PIN DIA 8.0,PIN HSG,ASSY,SLD



TE Part # 1-2323612-1
SHIELD, PLUG, SIZE 1, Sn, HVA280



TE Part # 2177061-2
SHIELD CRIMP FERRULE,180DEG



TE Part # 2208608-3
8MM HV, CONTACT,ASSY



TE Part # 2310488-2
PROTECTION COVER, V0



TE Part # 2315660-2
2POS. RING TONGUE HSG,ASSY



TE Part # 2341055-3
SEAL RETAINER,ASSY, HVA280 2PHI

TE Part # 2177060-4
CU ALLOY,SHIELD,8MM HV,CONN HSG,180 DEG



TE Part # 1-2103212-1
Plug Assembly, 350A, MSD

Documents

Product Drawings

2POS,8MM HV,PLUG HSG,ASSY,SEALED

English

2POS,8MM HV,PLUG HSG,ASSY,SEALED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2177053-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2177053-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2177053-1_B.3d_stp.zip

English

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Product Specifications

Application Specification

English