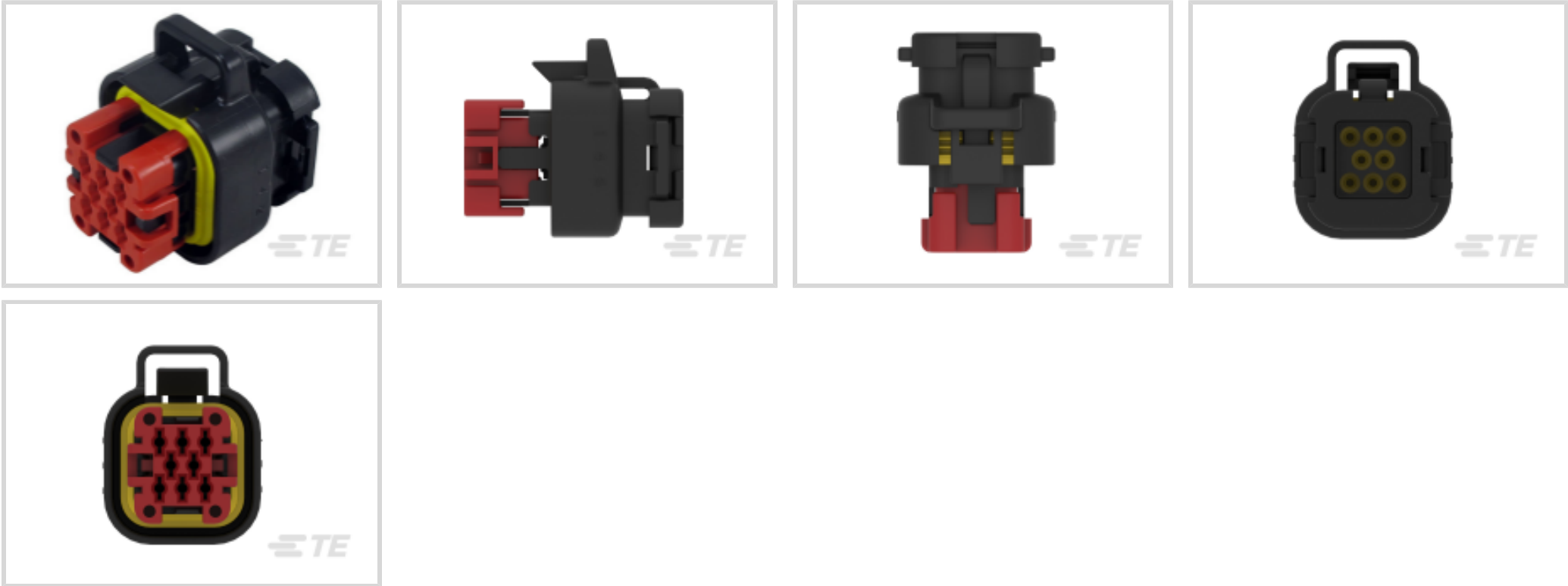




Connectors > Automotive Connectors > Connector Housings > AMPSEAL Receptacle Housings



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

Mating Pin Diameter: **1.3 mm [.051 in]**

Connector System: **Wire-to-Board, Wire-to-Device**

Number of Positions: **8**

Centerline (Pitch): **4 mm [.157 in]**

[All AMPSEAL Receptacle Housings \(31\)](#)

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	8
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V



Body Features

Cable Exit Angle	180°
Body Material	Other
Primary Product Color	Black
Connector Code	1

Contact Features

Contact Size	1.3mm
Contact Type	Socket
Mating Pin Diameter	1.3 mm[.051 in]
Contact Current Rating (Max)	17 A

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	4 mm[.157 in]
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Dimensions

Product Width	33.6 mm[1.323 in]
Product Length	27.4 mm[1.079 in]
Product Height	34.6 mm[1.362 in]
Row-to-Row Spacing	4 mm[.157 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Industry Standards

Degree of Protection	IP67, IP69K
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	220
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Packaging Method	Package
Other	
Serviceable	Yes
Connector Position Assurance Capable	No

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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 # CAT-AM78-H342
AMPSEAL PCB Headers



TE Part # CAT-J04-APHH
AMPSEAL PCB Horizontal Headers



TE Part # CAT-AM78-T273
AMPSEAL Crimp Contacts: 1.3 mm



TE Part # 2138529-1
STRAIN RELIEF,8 POSITION AMPSEAL



TE Part # 770678-1
SEAL PLUG, AMPSEAL




TE Part # 2301063-1
AMPSEAL PIN HEADER 8 POS.




TE Part # 2373965-1
CPA, AMPSEAL


Also in the Series | AMPSEAL




Automotive Connector Caps & Covers (7)



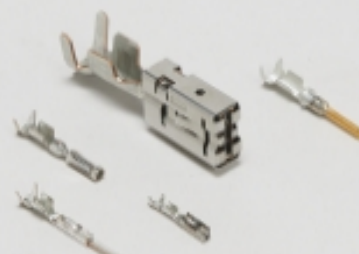
Automotive Connector Locks & Position Assurance(1)



Automotive Housings(31)



Automotive Seals & Cavity Plugs(1)

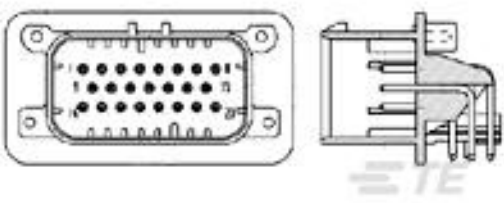


Automotive Terminals(8)



PCB Headers & Receptacles(109)

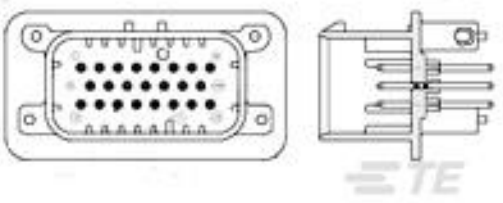
Customers Also Bought



TE Part #1-776280-1
8POS,PIN DIA 1.3,HDR ASSY,90DEG,SLDR,SLD



TE Part #770680-5
AMPSEAL Receptacle Housings



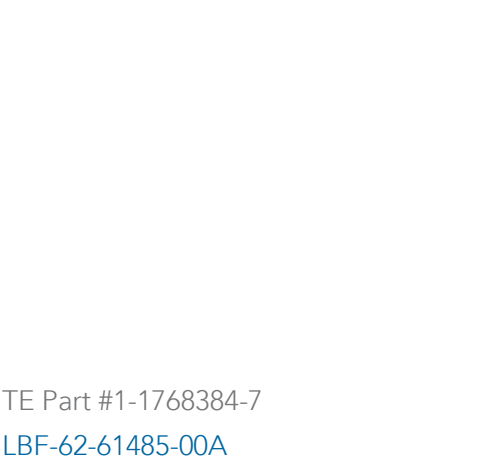
TE Part #1-776276-1
8POS,PIN DIA 1.3,HDR ASSY,180DEG,SLDR



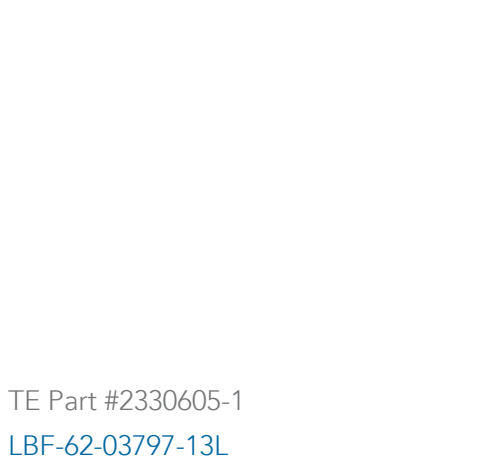
TE Part #2138529-1
STRAIN RELIEF,8 POSITION AMPSEAL



TE Part #2-1447232-6
3900281-441=SP/SEAL 44P PLUG



TE Part #1-1768384-7
LBF-62-61485-00A



TE Part #2330605-1
LBF-62-03797-13L



Documents

Product Drawings

8POS,AMPSEAL,SOC HSG ASSY,SLD,COD 1

English

CAD Files

Customer View Model

ENG_CVM_CVM_776286-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776286-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776286-1_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMPSEAL Connector Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English