



CONNECTOR HOUSINGS



TE CONNECTIVITY (TE) 23 POS AMP SEAL PLUG ASSY [AMP | AMPSEAL](#)

770680-1
TE Internal Number: 770680-1

Always EU RoHS/ELV Compliant
Connector Style **Housing for female terminals**

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

Number of Positions **23**

Pitch **4 mm [.157 in]**

Sealed **Yes**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

Product Drawings

[PLUG ASSEMBLY, AMPSEAL FAMILY DRAWING](#)

PDF
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Product Specifications

Product Specification

[AMPSEAL* Connectors](#)

PDF
English

Application Specification

[AMPSEAL Automotive Plug Connector And Header Assembly](#)

PDF
English

Qualification Test Report

[AMPSEAL Connectors](#)

PDF
English

Instruction Sheets

Instruction Sheet (U.S.)

[AMPSEAL Automotive Plug Assemblies 776268-\[\], 776273-\[\], 770680-\[\], And 776164-\[\]](#)


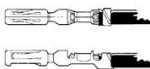
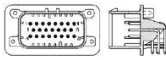
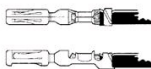
PDF
English

| | | |
|----------------------------|----------------------------------|---|
| Product Type Features | Connector Style | Housing for female terminals |
| | Sealed | Yes |
| | Hybrid Connector | No |
| | Primary Locking Feature | Integrated in Housing |
| | Connector System | Wire-to-Board/Device |
| | Row-to-Row Spacing | .157 mm [4 in] |
| | Strain Relief | Add By Accessory |
| Configuration Features | Number of Positions | 23 |
| | Number of Rows | 3 |
| Electrical Characteristics | Nominal Voltage Architecture (V) | 12, 24, 42, 48, 80, 90, 125, 240 |
| | Operating Voltage (VAC) | 250 |
| Body Features | Cable Exit Angle | 180° |
| | Body Material | Other |
| | Color | Black |
| Contact Features | Mating Pin Diameter | 1.3 mm [.051 in] |
| Mechanical Attachment | Terminal Position Assurance | Yes |
| | Mounting Feature | No |
| | Polarized | Yes |
| Housing Features | Pitch | 4 mm [.157 in] |
| Dimensions | Width | 33.6 mm [1.323 in] |
| | Height | 34.6 mm [1.362 in] |
| | Length | 47.4 mm [1.866 in] |
| Usage Conditions | Operating Temperature Range | -40 – 125 °C [-40 – 257 °F] |
| Industry Standards | Degree of Protection | IP6K9K |
| | UL Flammability Rating | UL 94V-0 |
| Packaging Features | Packaging Method | Package |

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

Product Compliance [Statement of Compliance PDF](#)
[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

| | | | |
|--|--|---|---|
| <p>AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HOUSINGS</p>  <p>23P AMPSEAL PLUG ASSY GREY 770680-4</p> <p>Save to List Find Similar Products</p> | <p>AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD TERMINALS</p>  <p>CONTACT, AMPSEAL AU L/P 770854-3</p> <p>Save to List Find Similar Products</p> | <p>AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HEADERS</p>  <p>23 POS AMPSEAL HDR SNAP IN W/G 776087-1</p> <p>Save to List Find Similar Products</p> | <p>AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD TERMINALS</p>  <p>CONTACT, AMPSEAL SN/LP 770854-1</p> <p>Save to List Find Similar Products</p> |
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Products - 11 Results

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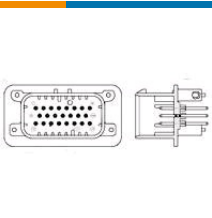
Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

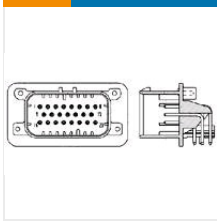
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|---|--|--|
|  | <p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Automotive, Truck, Bus, & Off-Road Headers AMP AMPSEAL</p> <p>HEADER ASSY, 23 POS VERTICAL - 1-776200-1 TE INTERNAL NUMBER: 1-776200-1</p> <p>✓ Active</p> | <p>Always EU RoHS/ELV Compliant</p> <p>Pin Diameter 1.3 mm</p> <p>Pitch 4 mm</p> <p>Number of Circuits 23</p> <p>Sealed Yes</p> <p>Mounting Orientation Vertical/180°</p> |
|---|--|--|

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-Road Headers
AMP | AMPSEAL

23 POS AMPSEAL HDR SNAP IN W/G - 776087-1

TE INTERNAL NUMBER: 776087-1

✓ Active

Always EU RoHS/ELV Compliant

Pin Diameter **1.3 mm**

Pitch **4 mm**

Number of Circuits **23**

Sealed **Yes**

Mounting Orientation

Horizontal/90°

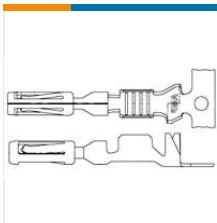


RELATIONSHIP

Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)



PRODUCT - CONTACTS

Connectors - Automotive, Truck, Bus, & Off-Road Terminals
AMP | AMPSEAL

CONTACT, AMPSEAL AUPL - 770520-3

TE INTERNAL NUMBER: 770520-3

✓ Active

Always EU RoHS/ELV Compliant

Terminal Style **Receptacle/Socket**

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

Sealed **No**

Wire Size Search **.5 mm², .6 mm², .75 mm², .85 mm², 1 mm², 1.25 mm², 1.3 mm², 1.4 mm², 1.5 mm²**

Interface Plating **Gold (Au)**

