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↓ **PRODUCT DRAWING**  
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TE CONNECTIVITY (TE)

## 23 POS AMPSEAL HDR SNAP IN W/G

[AMP](#) | [AMPSEAL](#)

1-776087-1

TE Internal Number: 1-776087-1

[Always EU RoHS/ELV Compliant](#)

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

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

Number of Circuits **23**

Sealed **Yes**

Mounting Orientation **Horizontal/90°**

### Product Drawings

#### [HEADER ASSEMBLY, 23 POSITION, RIGHT ANGLE, AMPSEAL](#)

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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

#### Application Specification

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

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English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

#### Product Type Features

Sealed	<b>Yes</b>
Hybrid Header	<b>No</b>
Shielded	<b>No</b>

#### Configuration Features

Number of Circuits	<b>23</b>
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	Number of Rows	3
	Number of Sections	1
	Number of Signal Positions	23
Electrical Characteristics	Nominal Voltage Architecture (V)	12, 24, 42, 48, 240
	Voltage Rating (Max) (VAC)	250
	Operating Voltage (VAC)	250
Body Features	Color	Black
Contact Features	Pin Diameter	1.3 mm [ .051 in ]
	Circuit Application	Power, Signal
	Interface Plating	Gold (Au)
Termination Features	Termination Method	Through Hole - Solder
Mechanical Attachment	Mounting Orientation	Horizontal/90°
	PCB Mount Retention Type	Boardlocks
	PCB Mount Retention	With
	Panel Mount Retention	Without
	Mounting Holes	With
	PCB Mount Alignment	With
	Locking Interface	With
Housing Features	Pitch	4 mm [ .157 in ]
Dimensions	Profile Height from PCB	23.6 mm [ .929 in ]
	Width	37.9 mm [ 1.498 in ]
	PCB Thickness (Recommended)	1.57 mm [ .062 in ]
	Length	60.8 mm [ 2.3937 in ]
Usage Conditions	Operating Temperature (Max) (°C)	65, 70, 75, 80, 85, 90, 100, 105, 110, 120, 125
	Operating Temperature (Max) (°F)	149, 158, 167, 176, 185, 194, 212, 221, 230, 248, 257
	Operating Temperature Range	-40 – 125 °C [ -40 – 257 °F ]
Industry Standards	Degree of Protection	IP6K9K

Packaging Features	Packaging Quantity	220
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Product Compliance	<a href="#">Statement of Compliance</a> PDF
<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

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Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-Road Housings  
AMP | AMPSEAL  
**23 POS AMP SEAL PLUG ASSY - 770680-1**  
TE INTERNAL NUMBER: 770680-1

✓ Active

[Always EU RoHS/ELV Compliant](#)

Connector Style **Housing for female terminals**  
Mating Pin Diameter **1.3 mm**  
Number of Positions **23**  
Pitch **4 mm**  
Sealed **Yes**

