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**TE CONNECTIVITY (TE)**  
**HEADER ASSY, 35 POS VERTICAL**  
 AMP | AMPSEAL

1-776230-4  
 TE Internal Number: 1-776230-4

Always EU RoHS/ELV Compliant

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

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

Number of Circuits **35**

Sealed **Yes**

Mounting Orientation **Vertical/180°**

Product Drawings

[ASSEMBLY, HEADER, 35 POSITION, VERTICAL, AMPSEAL](#)  
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CAD Files

[Customer View Model](#)  
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Product Specifications

Application Specification

[AMPSEAL Automotive Plug Connector And Header Assembly](#)  
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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 **35**

	Number of Rows	<b>3</b>
	Number of Sections	<b>1</b>
	Number of Signal Positions	<b>35</b>
Electrical Characteristics	Nominal Voltage Architecture (V)	<b>12, 24, 42, 48, 240</b>
	Voltage Rating (Max) (VAC)	<b>250</b>
	Operating Voltage (VAC)	<b>250</b>
Body Features	Color	<b>Gray</b>
Contact Features	Pin Diameter	<b>1.3 mm [ .051 in ]</b>
	Circuit Application	<b>Power, Signal</b>
	Interface Plating	<b>Gold (Au)</b>
Termination Features	Termination Method	<b>Through Hole - Solder</b>
Mechanical Attachment	Mounting Orientation	<b>Vertical/180°</b>
	PCB Mount Retention Type	<b>Solder Tails</b>
	PCB Mount Retention	<b>Without</b>
	Panel Mount Retention	<b>Without</b>
	Mounting Holes	<b>With</b>
	PCB Mount Alignment	<b>With</b>
	Locking Interface	<b>With</b>
Housing Features	Pitch	<b>4 mm [ .157 in ]</b>
Dimensions	Profile Height from PCB	<b>34.25 mm [ 1.348 in ]</b>
	Width	<b>32.1 mm [ 1.264 in ]</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
	Length	<b>76.9 mm [ 3.03 in ]</b>
Usage Conditions	Operating Temperature (Max) (°C)	<b>65, 70, 75, 80, 85, 90, 100, 105, 110, 120, 125</b>
	Operating Temperature (Max) (°F)	<b>149, 158, 167, 176, 185, 194, 212, 221, 230, 248, 257</b>
	Operating Temperature Range	<b>-40 – 125 °C [ -40 – 257 °F ]</b>
Industry Standards	Degree of Protection	<b>IP6K9K</b>

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

220

Product Compliance

[Statement of Compliance](#)  
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Relation Type 

RELATIONSHIP

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**PLUG ASSY 35 POS**  
**- 776164-4**

TE INTERNAL NUMBER: 776164-4

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[Always EU RoHS/ELV Compliant](#)

Connector Style **Housing for female terminals**

Mating Pin Diameter **1.3 mm**

Number of Positions **35**

Pitch **4 mm**

Sealed **Yes**

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