

# AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



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Connectors > Automotive Connectors > Automotive Housings



Hybrid Connector: **No**  
Number of Rows: **1**  
Connector Position Assurance Capable: **No**

## Features

### Product Type Features

Connector & Housing Type	Housing for Female Terminals, Housing for Male Terminals
Connector System	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Sealable	No, Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing, On the Terminal

### Configuration Features

Number of Positions	1, 2, 3, 4, 5, 6
Number of Rows	1

### Electrical Characteristics

Operating Voltage (VDC)	24
Operating Voltage (VAC)	250
Nominal Voltage Architecture (V)	12, 24

### Body Features

Cable Exit Angle	180°
Body Material	PA, PA GF
Primary Product Color	Black, Gray, Green, Orange, White
Connector Code	Z

### Contact Features

Mating Tab Width (mm)	1.2, 1.5
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Mating Tab Width (in)	.047, .059
<b>Mechanical Attachment</b>	
Mounting Feature	Without
Terminal Position Assurance	No, Yes
Strain Relief	No
Mating Alignment Type	Polarized
<b>Housing Features</b>	
Centerline (Pitch) (mm)	6
Centerline (Pitch) (in)	.236
<b>Dimensions</b>	
Product Width (mm)	9.3, 13.8, 21.3, 25.8, 32.2, 36.8
Product Width (in)	.366, .543, .839, 1.016, 1.26, 1.449
Product Length (mm)	9.3, 13.6, 17.1, 19.8, 23.1, 25.8, 29.1, 31.8, 32.2, 36.8, 37.8, 40.9, 43.8
Product Length (in)	.366, .535, .673, .78, .909, 1.016, 1.14, 1.146, 1.252, 1.268, 1.449, 1.488, 1.61, 1.724
Product Height (mm)	9.3, 29.9, 32.2, 42
Product Height (in)	.366, 1.177, 1.268, 1.654
<b>Usage Conditions</b>	
Operating Temperature (Max) (°C)	70, 75, 80, 85, 90, 100, 105, 110, 120, 125
Operating Temperature (Max) (°F)	158, 167, 176, 185, 194, 212, 221, 230, 248, 257
Operating Temperature Range (°C)	-40 - 125, -40 - 125
Operating Temperature Range (°F)	-40 - 257, -40 - 257
<b>Operation/Application</b>	
Circuit Application	Signal
<b>Industry Standards</b>	
Degree of Protection	IP6, IP67, IPX6K, IPX9K
UL Flammability Rating	UL 94V-2
<b>Packaging Features</b>	
Packaging Quantity	350, 400, 500, 550, 650, 700, 800, 900, 1200, 1500, 1600, 2200
Packaging Method	Bag, Bag/Box, Box, Box & Carton



Other

Serviceable	No, Yes
Connector Position Assurance Capable	No

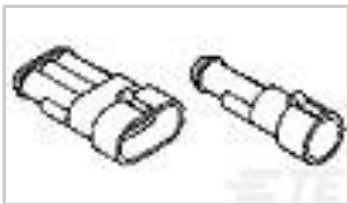
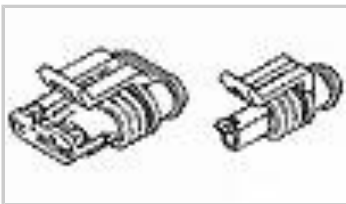
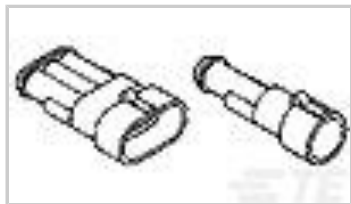
Reference Number

TE Internal Number	CAT-AM71-CH8172
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 5)



	AMP SUPERSEAL 1.5 SERIES 6P CA	AMP SUPERSEAL 1.5 SERIES 6P PL	AMP SUPERSEAL 1.5 SERIES 2P CA	AMP SUPERSEAL 1.5 SERIES 5P CA
TE Part #	282108-1	282090-1	282104-2	282107-1
Connector & Housing Type	Housing for Male Terminals	Housing for Female Terminals	Housing for Female Terminals	Housing for Male Terminals
Mating Tab Width	1.5 mm	1.5 mm	1.5 mm	1.5 mm
Connector System	Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Wire
Number of Positions	6	6	2	5
Centerline (Pitch)	6 mm	6 mm	6 mm	6 mm
Sealable	Yes	Yes	No	Yes
Primary Locking Feature	Integrated in Housing	On the Terminal	Integrated in Housing	Integrated in Housing
Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C
Primary Product Color	Black	Black	Gray	Black
Nominal Voltage Architecture	12 V, 24 V	12 V, 24 V	12 V, 24 V	12 V, 24 V
Circuit Application	Signal	Signal	Signal	Signal
Operating Temperature Range	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C
Connector Code				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	AMP
Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series

\*EU RoHS Directive 2011/65/EU

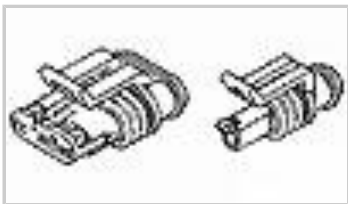
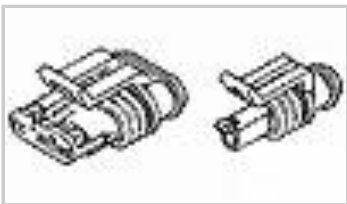
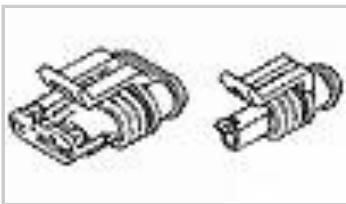
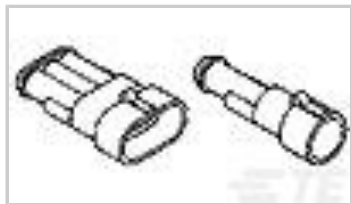
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Products (2 of 5)



	AMP SUPERSEAL 1.5 SERIES 3P CA	AMP SUPERSEAL 1.5 SERIES 4P PL	AMP SUPERSEAL 1.5 SERIES 2P PL	AMP SUPERSEAL 1.5 SERIES 5P PL
TE Part #	282105-1	282088-2	282080-3	282089-1
Connector & Housing Type	Housing for Male Terminals	Housing for Female Terminals	Housing for Female Terminals	Housing for Female Terminals
Mating Tab Width	1.5 mm	1.5 mm	1.5 mm	1.5 mm
Connector System	Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Number of Positions	3	4	2	5
Centerline (Pitch)	6 mm	6 mm	6 mm	6 mm
Sealable	No	Yes	Yes	Yes
Primary Locking Feature	On the Terminal	Integrated in Housing	Integrated in Housing	Integrated in Housing
Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C
Primary Product Color	Black	Gray	Green	Black
Nominal Voltage Architecture	12 V, 24 V	12 V, 24 V	12 V, 24 V	12 V, 24 V
Circuit Application	Signal	Signal	Signal	Signal
Operating Temperature Range	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C
Connector Code				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	AMP
Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series

\*EU RoHS Directive 2011/65/EU

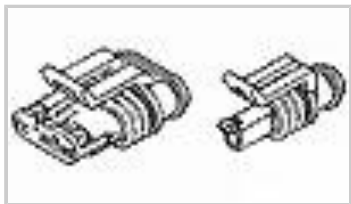
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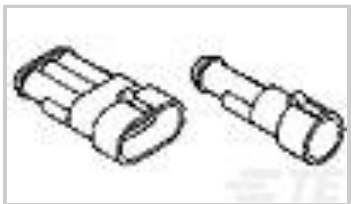
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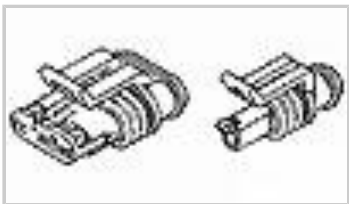
Products (3 of 5)



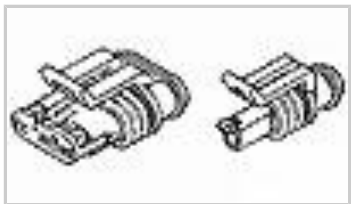
SUPERSEAL 2 POS. TAB HOUSING (CLOSED CAV)



AMP SUPERSEAL 1.5 SERIES 1P CA



AMP SUPERSEAL 1.5 SERIES 3P PL



AMP SUPERSEAL 1.5 SERIES 4P PL

TE Part #	1745022-1	282103-1	282087-1	282088-1
Connector & Housing Type	Housing for Male Terminals	Housing for Male Terminals	Housing for Female Terminals	Housing for Female Terminals
Mating Tab Width	1.5 mm		1.5 mm	1.5 mm
Connector System	Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Number of Positions	2	1	3	4
Centerline (Pitch)	6 mm		6 mm	6 mm
Sealable	No	No	Yes	Yes
Primary Locking Feature	On the Terminal	Integrated in Housing	Integrated in Housing	Integrated in Housing
Operating Temperature (Max)		70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C
Primary Product Color	Orange	Black	Black	Black
Nominal Voltage Architecture	12 V, 24 V	12 V, 24 V	12 V, 24 V	12 V, 24 V
Circuit Application		Signal	Signal	Signal
Operating Temperature Range		-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C
Connector Code				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	
Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series

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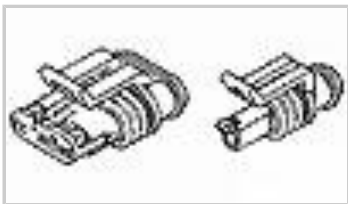
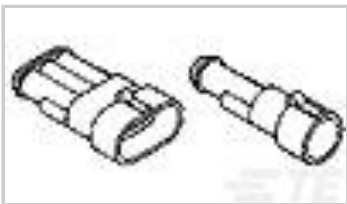
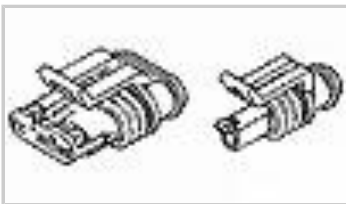
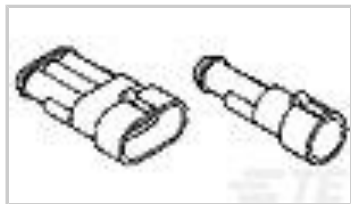
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Products (4 of 5)



	AMP SUPERSEAL 1.5 SERIES 4P CA	AMP SUPERSEAL 1.5 SERIES 2P PL	AMP SUPERSEAL 1.5 SERIES 2P CA	AMP SUPERSEAL 1.5 SERIES 3P PL
TE Part #	282106-1	282080-2	282104-1	282087-2
Connector & Housing Type	Housing for Male Terminals	Housing for Female Terminals	Housing for Male Terminals	Housing for Female Terminals
Mating Tab Width	1.5 mm	1.5 mm	1.5 mm	1.5 mm
Connector System	Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Number of Positions	4	2	2	3
Centerline (Pitch)	6 mm	6 mm	6 mm	6 mm
Sealable	No	Yes	No	Yes
Primary Locking Feature	Integrated in Housing	Integrated in Housing	Integrated in Housing	Integrated in Housing
Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C
Primary Product Color	Black	Gray	Black	Gray
Nominal Voltage Architecture	12 V, 24 V	12 V, 24 V	12 V, 24 V	12 V, 24 V
Circuit Application	Signal	Signal	Signal	Signal
Operating Temperature Range	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C
Connector Code				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	AMP
Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series

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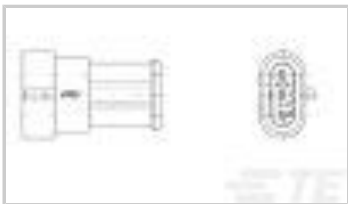
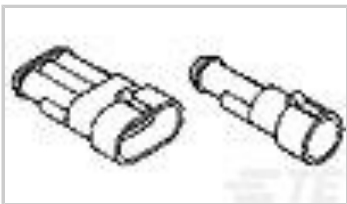
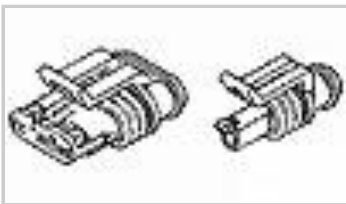
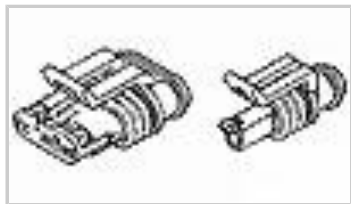
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Products (5 of 5)



AMP SUPERSEAL 1.5 SERIES 1P PLAMP SUPERSEAL 1.5 SERIES 2P PLAMP SUPERSEAL 1.5 SERIES 2P CA3 POS. TAB ASSY AMP SUPERSEAL 1.5 SRS.				
TE Part #	282079-2	282080-1	282104-3	1745082-1
Connector & Housing Type	Housing for Female Terminals	Housing for Female Terminals	Housing for Female Terminals	Housing for Male Terminals
Mating Tab Width	1.2 mm	1.5 mm	1.5 mm	1.5 mm
Connector System	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device, Wire-to-Wire	Wire-to-Board, Wire-to-Device
Number of Positions	1	2	2	3
Centerline (Pitch)		6 mm	6 mm	6 mm
Sealable	Yes	Yes	No	No
Primary Locking Feature	Integrated in Housing	On the Terminal	Integrated in Housing	On the Terminal
Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C
Primary Product Color	Black	Black	Green	White
Nominal Voltage Architecture	12 V, 24 V	12 V, 24 V	12 V, 24 V	12 V, 24 V
Circuit Application	Signal	Signal	Signal	Signal
Operating Temperature Range	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C	-40 - 125 °C, -40 - 125 °C
Connector Code	Z			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	AMP	AMP	AMP	
Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series	AMP Superseal 1.5mm Series

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Related Materials

Catalog Section

AMP SUPERSEAL 1.5mm Connector System

English