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↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

## 070 MLC CAP H ASSY SGL 6P NAT.

AMP | Multilock .070 , Multilock Connector System

175783-1

TE Internal Number: 175783-1

Always EU RoHS/ELV Compliant

Tab Width **1.8 mm [ .071 in ]**

Tab Thickness **.64 mm [ .025 in ]**

Pitch **3.5 mm [ .138 in ]**

Number of Circuits **6**

Sealed **No**

### Product Drawings

[070 SERIES MULTILOCK I/O CONNECTOR 6POSITION CAP HOUSING \(H-TYPE\)](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Product Specifications

Product Specification

[.070 Series MULTILOCK I/O Connector \(MLC\) For PCB](#)

PDF  
Japanese

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 **No**

Hybrid Header **No**

Shielded **No**

### Configuration Features

Number of Circuits **6**

	Number of Rows	<b>1</b>
	Number of Sections	<b>1</b>
	Number of Signal Positions	<b>6</b>
Electrical Characteristics	Nominal Voltage Architecture (V)	<b>12</b>
	Operating Voltage (VDC)	<b>12</b>
	Voltage Rating (Max) (VDC)	<b>12</b>
Body Features	Color	<b>White</b>
Contact Features	Tab Width	<b>1.8 mm [ .071 in ]</b>
	Tab Thickness	<b>.64 mm [ .025 in ]</b>
	Circuit Application	<b>Signal</b>
	Interface Plating	<b>Tin (Sn)</b>
Termination Features	Termination Method	<b>Through Hole - Solder</b>
Mechanical Attachment	Mounting Orientation	<b>Horizontal/90°</b>
	PCB Mount Retention Type	<b>Mounting Holes</b>
	PCB Mount Retention	<b>Without</b>
	Panel Mount Retention	<b>Without</b>
	Mounting Holes	<b>With</b>
	PCB Mount Alignment	<b>Without</b>
	Locking Interface	<b>With</b>
Housing Features	Pitch	<b>3.5 mm [ .138 in ]</b>
Dimensions	Profile Height from PCB	<b>12.5 mm [ .492 in ]</b>
	Width	<b>34.8 mm [ 1.37 in ]</b>
	Length	<b>20.42 mm [ .804 in ]</b>
	PCB Thickness (Recommended) (mm)	<b>1.6</b>
Usage Conditions	Operating Temperature (Max) (°C)	<b>65, 70, 75, 80, 85, 90, 100, 105</b>
	Operating Temperature (Max) (°F)	<b>149, 158, 167, 176, 185, 194, 212, 221</b>
	Operating Temperature Range	<b>-30 – 105 °C [ -22 – 221 °F ]</b>

Industry Standards	Degree of Protection	<b>other</b>
	UL Flammability Rating	<b>UL 94V-2</b>
Packaging Features	Packaging Type	<b>Loose Piece</b>
	Packaging Quantity	<b>50</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

## CUSTOMERS ALSO BOUGHT

<p>AUTOMOTIVE, TRUCK, BUS, &amp; OFF-ROAD HEADERS</p> <p><b>MQS ST-WANNE4P 90GR</b> 1-967657-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>AUTOMOTIVE, TRUCK, BUS, &amp; OFF-ROAD HEADERS</p> <p><b>DLI 16POS CAP ASSY V TIN</b> 172258-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>AUTOMOTIVE, TRUCK, BUS, &amp; OFF-ROAD HEADERS</p> <p><b>MQS HDR 6P ASSY B</b> 936287-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>CROWN CLIP JUNIOR CONN</b> 2178410-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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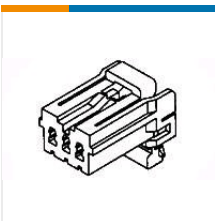
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Automotive, Truck, Bus, & Off-Road Housings  
AMP I Multilock Connector System  
**070 MLC PLUG HSG 6P GRAY - 174923-6**  
TE INTERNAL NUMBER: 174923-6

Active

Always EU RoHS/ELV Compliant

Connector Style **Housing for female terminals**

Mating Tab Width **1.8 mm**

Number of Positions **6**

Pitch **3.5 mm**

Sealed **No**

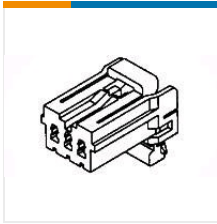


RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



### PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-Road Housings  
AMP I Multilock Connector System

**070 MLC W-W PLUG**  
**HSG 6P F/A - 1-174923-1**  
TE INTERNAL NUMBER: 1-174923-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Housing for female terminals**

Mating Tab Width **1.8 mm**

Number of Positions **6**

Pitch **3.5 mm**

Sealed **No**

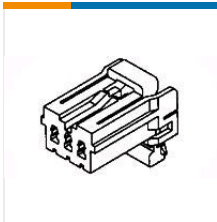


RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



### PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-Road Housings  
AMP I Multilock Connector System

**070 MLC PLUG 6P**  
**- 174923-1**  
TE INTERNAL NUMBER: 174923-1  
ALIAS ID: 0-0174923-1

✓ Active

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Connector Style **Housing for female terminals**

Mating Tab Width **1.8 mm**

Number of Positions **6**

Pitch **3.5 mm**

Sealed **No**

