

Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 040 MLC CAP ASSY V 16P

AMP | Multilock .040 , Multilock Connector System

174975-2

TE Internal Number: 174975-2

Always EU RoHS/ELV Compliant

Tab Width **1 mm [ .039 in ]**

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

Pitch **2.5 mm [ .098 in ]**

Number of Circuits **16**

Sealed **No**

### Product Drawings

[16Pos. CAP HOUSING ASS'Y .040 SRS. MULTI-LOCK I/O CONN. \(V-TYPE\)](#)

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_STP.ZIP  
English

### Product Specifications

Product Specification

[.040 Series Multi-Lock I/O Connector \(.040 ML I/O\)](#)

PDF  
Japanese

[.040 SERIES MULTI-LOCK CONNECTOR \(.040 ML I/O\)](#)

PDF  
Japanese

### Instruction Sheets

Instruction Sheet (non U.S.)

[040 SERIES MULTI-LOCK CONNECTOR](#)

PDF  
English

[040 SERIES MULTI-LOCK CONNECTOR](#)

TIF  
English

Drawing for all design activity.

---

Product Type Features	Sealed	<b>No</b>
	Hybrid Header	<b>No</b>
	Shielded	<b>No</b>

---

Configuration Features	Number of Circuits	<b>16</b>
	Number of Rows	<b>2</b>
	Number of Sections	<b>1</b>
	Number of Signal Positions	<b>16</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>Black</b>
---------------	-------	--------------

---

Contact Features	Tab Width	<b>1 mm [ .039 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>Vertical/180°</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>2.5 mm [ .098 in ]</b>
------------------	-------	---------------------------

---

Dimensions	Profile Height from PCB	<b>19.2 mm [ .756 in ]</b>
	Width	<b>32.5 mm [ 1.28 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Length	<b>16.9 mm [ .665 in ]</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 94-HB</b>

Packaging Features	Packaging Type	<b>Tube</b>
	Packaging Quantity	<b>100</b>

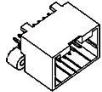
Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT


**AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HEADERS**



**040 MLC CAP ASSY V 20P**  
174977-2

[Save to List](#)  
[Find Similar Products](#)

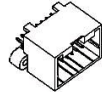
**INSULATION BOOTS & SLEEVES**



**INSULATION SLEEVE**  
170892-1


[Save to List](#)  
[Find Similar Products](#)

**AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HEADERS**



**040 MLC CAP ASSY V 12P**  
174973-2

[Save to List](#)  
[Find Similar Products](#)



**RP 1J 0.166W 75R 0.1% 25PPM 1K RL**  
RP73PF1J75RBTF

[Save to List](#)  
[Find Similar Products](#)

Products - 1 Results

[View All](#)

Compare 0/10 [↔](#)

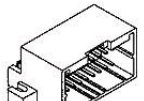
Relation Type ▼

### RELATIONSHIP

#### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p><b>PRODUCT - MATING PRODUCTS</b></p> <p>Connectors - Automotive, Truck, Bus, &amp; Off-Road Headers AMP I Multilock .040, Multilock Connector System</p> <p><b>040 MULTILOCK I/O</b></p>	<p><b>Always EU RoHS/ELV Compliant</b></p> <p>Tab Width <b>1 mm</b></p> <p>Tab Thickness <b>.64 mm</b></p>	<input checked="" type="checkbox"/>
---	---	--	-------------------------------------



# CONN 16PASSY - 174053-2

TE INTERNAL NUMBER: 174053-2

✓ Active

Pitch **2.5 mm**

Number of Circuits **16**

Sealed **No**