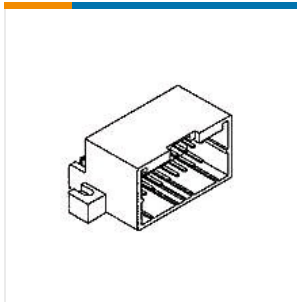




## CONNECTOR HOUSINGS



Active

PRODUCT DRAWING  
Japanese

3D PDF

TE CONNECTIVITY (TE)

### 040 MULTILOCK I/O CONN 12PASSY

AMP | Multilock Connector System

174051-2

TE Internal Number: 174051-2

Always EU RoHS/ELV Compliant

Connector Style **Housing for male terminals**

Mating Tab Width **1 mm [ .04 in ]**

Number of Positions **12**

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

Sealed **No**

#### Product Drawings

#### 040 SERIES MULTI-LOCK I/O CONNECTOR 12POSITION CAP HOUSING ASSEMBLY (HORIZONTAL TYPE)

PDF  
Japanese

#### 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

##### Product Specification

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

PDF  
Japanese

##### Qualification Test Report

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

PDF  
Japanese

#### .040 Multi Lock Connector

PDF  
Japanese

#### Instruction Sheets

##### Instruction Sheet (non U.S.)

#### 040 SERIES MULTI-LOCK CONNECTOR

PDF  
English

#### 040 SERIES MULTI-LOCK CONNECTOR

TIF  
English

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

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Product Type Features	Connector Style	<b>Housing for male terminals</b>
	Sealed	<b>No</b>
	Hybrid Connector	<b>No</b>
	Primary Locking Feature	<b>On the terminal</b>
	Connector System	<b>Wire-to-Board/Device</b>
	Row-to-Row Spacing (mm)	<b>3, 3.5</b>
	Row-to-Row Spacing (in)	<b>.118, .138</b>
	Strain Relief	<b>No</b>

---

Configuration Features	Number of Positions	<b>12</b>
	Number of Rows	<b>2</b>

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Electrical Characteristics	Nominal Voltage Architecture (V)	<b>12</b>
	Operating Voltage (VDC)	<b>12</b>

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Body Features	Cable Exit Angle	<b>180°</b>
	Body Material	<b>PBT</b>
	Color	<b>Black</b>

---

Contact Features	Mating Tab Width	<b>1 mm [ .04 in ]</b>
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Mechanical Attachment	Terminal Position Assurance	<b>No</b>
	Mounting Feature	<b>No</b>
	Polarized	<b>Yes</b>

---

Housing Features	Pitch	<b>2.5 mm [ .098 in ]</b>
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Dimensions	Width	<b>30 mm [ 1.181 in ]</b>
	Height	<b>16.7 mm [ .657 in ]</b>
	Length	<b>21.1 mm [ .831 in ]</b>

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Usage Conditions	Operating Temperature (Max) (°C)	<b>70, 75, 80, 85, 90, 100, 105</b>
	Operating Temperature (Max) (°F)	<b>158, 167, 176, 185, 194, 212, 221</b>

Operating Temperature Range

-30 – 105 °C [-22 – 221 °F]

Industry Standards

Degree of Protection

**Other**

UL Flammability Rating

**UL 94-HB**

Packaging Features

Packaging Quantity

**80**

Other

Connector Position Assurance Capable

**No**

Serviceable

**No**

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 2 Results

[View All](#)

Compare 0/10

Relation Type

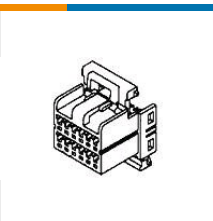
RELATIONSHIP

### 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  
**040 MULTILOCK PLUG**  
**12P - 174045-2**  
TE INTERNAL NUMBER: 174045-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Housing for female terminals**

Mating Tab Width **1 mm**

Number of Positions **12**

Pitch **2.5 mm**

Sealed **No**



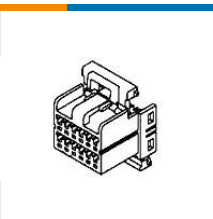
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Automotive, Truck, Bus, & Off-Road Housings  
AMP I Multilock .040, Multilock Connector System  
**040 MLC PLUG HSG 12P**  
**GREEN - 174045-4**  
TE INTERNAL NUMBER: 174045-4

Always EU RoHS/ELV Compliant

Connector Style **Housing for female terminals**

Mating Tab Width **1 mm**

Number of Positions **12**



✓ Active

Pitch **2.5 mm**

Sealed **No**