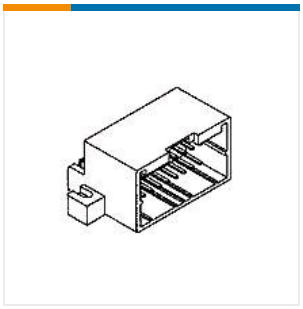
CONNECTORS

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

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

Qualification Test Report

.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.

Product Type Features	Connector Style	**Housing for male terminals**
	Sealed	**No**
	Hybrid Connector	**No**
	Primary Locking Feature	**On the terminal**
	Connector System	**Wire-to-Board/Device**
	Row-to-Row Spacing (mm)	**3, 3.5**
	Row-to-Row Spacing (in)	**.118, .138**
	Strain Relief	**No**
Configuration Features	Number of Positions	**12**
	Number of Rows	**2**
Electrical Characteristics	Nominal Voltage Architecture (V)	**12**
	Operating Voltage (VDC)	**12**
Body Features	Cable Exit Angle	**180°**
	Body Material	**PBT**
	Color	**Black**
Contact Features	Mating Tab Width	**1 mm [.04 in]**
Mechanical Attachment	Terminal Position Assurance	**No**
	Mounting Feature	**No**
	Polarized	**Yes**
Housing Features	Pitch	**2.5 mm [.098 in]**
Dimensions	Width	**30 mm [1.181 in]**
	Height	**16.7 mm [.657 in]**
	Length	**21.1 mm [.831 in]**
Usage Conditions	Operating Temperature (Max) (°C)	**70, 75, 80, 85, 90, 100, 105**
	Operating Temperature (Max) (°F)	**158, 167, 176, 185, 194, 212, 221**

	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

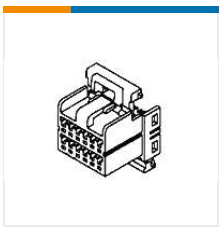
Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-Road Housings

AMP | 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**

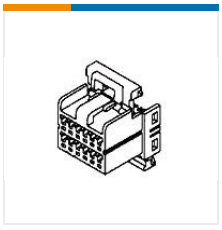
Sealed **No**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-Road Housings

AMP | 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**