

Active

PRODUCT DRAWING
Japanese

3D PDF

TE CONNECTIVITY (TE)

040 MULTILOCK I/O CONN 20PASSY

AMP | Multilock .040 , Multilock Connector System

174055-2

TE Internal Number: 174055-2

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 **20**

Sealed **No**

Product Drawings

040 SERIES MULTI-LOCK I/O CONNECTOR 20POSITION 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.

| | | |
|-----------------------|---------------|-----------|
| Product Type Features | Sealed | No |
| | Hybrid Header | No |
| | Shielded | No |

| | | |
|------------------------|----------------------------|-----------|
| Configuration Features | Number of Circuits | 20 |
| | Number of Rows | 2 |
| | Number of Sections | 1 |
| | Number of Signal Positions | 20 |

| | | |
|----------------------------|----------------------------------|-----------|
| Electrical Characteristics | Nominal Voltage Architecture (V) | 12 |
| | Operating Voltage (VDC) | 12 |
| | Voltage Rating (Max) (VDC) | 12 |

| | | |
|---------------|-------|--------------|
| Body Features | Color | Black |
|---------------|-------|--------------|

| | | |
|------------------|---------------------|---------------------------|
| Contact Features | Tab Width | 1 mm [.039 in] |
| | Tab Thickness | .64 mm [.025 in] |
| | Circuit Application | Signal |
| | Interface Plating | Gold (Au) |

| | | |
|----------------------|--------------------|------------------------------|
| Termination Features | Termination Method | Through Hole - Solder |
|----------------------|--------------------|------------------------------|

| | | |
|-----------------------|-----------------------|-----------------------|
| Mechanical Attachment | Mounting Orientation | Horizontal/90° |
| | PCB Mount Retention | Without |
| | Panel Mount Retention | Without |
| | Mounting Holes | With |
| | PCB Mount Alignment | Without |
| | Locking Interface | With |

| | | |
|------------------|-------|---------------------------|
| Housing Features | Pitch | 2.5 mm [.098 in] |
|------------------|-------|---------------------------|

| | | |
|------------|-------------------------|----------------------------|
| Dimensions | Profile Height from PCB | 16.7 mm [.657 in] |
| | Width | 40 mm [1.575 in] |

PCB Thickness (Recommended) **1.6 mm [.063 in]**

Length **21.7 mm [.854 in]**




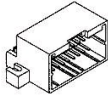
| | | |
|------------------|----------------------------------|---|
| Usage Conditions | Operating Temperature (Max) (°C) | 65, 70, 75, 80, 85, 90, 100, 105 |
| | Operating Temperature (Max) (°F) | 149, 158, 167, 176, 185, 194, 212, 221 |
| | Operating Temperature Range | -30 – 105 °C [-22 – 221 °F] |

| | | |
|--------------------|------------------------|-----------------|
| Industry Standards | Degree of Protection | other |
| | UL Flammability Rating | UL 94-HB |

| | | |
|--------------------|--------------------|-------------|
| Packaging Features | Packaging Type | Tube |
| | Packaging Quantity | 95 |

Product Compliance [Statement of Compliance PDF](#)
[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

| | | | |
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Mating Products

Used to identify Mating Parts

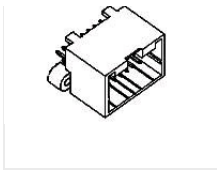
[See All Mating Products](#)

PRODUCT - MATING PRODUCTS

Connectors - Automotive, Truck, Bus, & Off-

Always EU RoHS/ELV Compliant





Road Headers
AMP I Multilock .040, Multilock Connector System
040 MLC CAP ASSY V
20P - 174977-2
TE INTERNAL NUMBER: 174977-2

✓ Active

Tab Width **1 mm**
Tab Thickness **.64 mm**
Pitch **2.5 mm**
Number of Circuits **20**
Sealed **No**

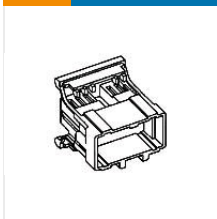
RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



Connectors - Automotive, Truck, Bus, & Off-Road Housings
AMP I Multilock Connector System
040 MLC CAP HSG 20P
W-W - 175652-2
TE INTERNAL NUMBER: 175652-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Housing for male terminals**

Mating Tab Width **1 mm**

Number of Positions **20**

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 MULTILOCK PLUG
20P - 174047-2
TE INTERNAL NUMBER: 174047-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Housing for female terminals**

Mating Tab Width **.64 mm**

Number of Positions **20**

Pitch **2.5 mm**

Sealed **No**

