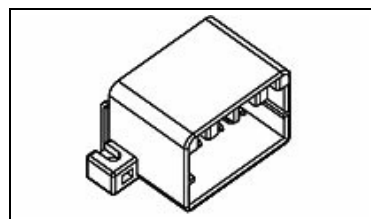




# 175974-3 Product Details

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**175974-3**

## MULTILOCK Connectors and Contacts

Always EU RoHS/ELV Compliant (Statement of Compliance)

### Product Highlights:

- MULTILOCK Product Line
- Connector
- Wire-to-Board
- Connector Assembly
- Contact Type = Tab

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
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TE Internal Number: 175974-3

Active

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## Documentation & Additional Information

### Product Drawings:

- [12POSITION CAP HOUSING ASSEMBLY\(H-TYPE\) 040 SERIES M...](#) (PDF, Japanese)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

- [.040 Series Multi Lock I/O Connector MK-II](#) (PDF, Japanese)

### Application Specifications:

- None Available

### Instruction Sheets:

- None Available

### CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version E3)
- [3D Model](#) (IGES, Version E3)
- [3D Model](#) (STEP, Version E3)

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)

[List all Documents](#)

## Product Features (Please use the Product Drawing for all design activity)

### Product Type Features:

- Product Line = MULTILOCK
- [Product Type](#) = Connector
- Connector Type = Connector Assembly
- [PCB Mounting Orientation](#) = Right Angle
- PCB Mount Retention = With
- PCB Mount Retention Type = Mounting Hole(s)
- Product Series = 040 Mark II
- PCB Mount Alignment = Without
- Sealed = No

### Mechanical Attachment:

- Mating Retention Type = Latching
- [Panel Mount Retention](#) = With
- [Panel Mount Retention Type](#) = Mounting Ear(s)

### Termination Features:

- Termination Method to PC Board = Through Hole - Solder

### Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]
- [Tab Width \(mm \[in\]\)](#) = 1 [0.039]
- Tail Length (mm [in]) = 3.7 [0.146]
- Length (X-Axis) (mm [in]) = 17.70 [0.6969]
- Width (Z-Axis) (mm [in]) = 30.00 [1.181]
- Profile Height (Y-Axis) (mm [in]) = 16.90 [0.6653]

### Body Features:

### Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 2.50 [0.098]
- Mating Alignment = With
- Mating Alignment Type = Polarization
- [Housing Color](#) = Black
- Housing Material = PBT - GF

### Configuration Features:

- [Number of Rows](#) = 2
- [Number of Positions](#) = 12
- Strain Relief = Without
- GET 0.64 Connector System = No

### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant

### Environmental:

- Operating Temperature (°C [°F]) = -30 - +105 [-22 - +221]

### Conditions for Usage:

- [Applies To](#) = Printed Circuit Board
- [For Use With](#) = Plug: 175965

### Operation/Application:

- Application Use = Wire-to-Board

- Mating Retention = With

**Contact Features:**

- Contact Type = Tab
- Shunts/Shorting Bars = Without
- Multiple Contact Types = Without
- Contact Series = .040
- [Contact Base Material](#) = Brass
- [Contact Plating, Mating Area, Material](#) = Select Tin
- Contact Plating, Mating Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.8 – 1.5 [31.49 – 59.05]
- Contact Plating, Termination Area, Material = Pre-Tin

**Packaging Features:**

- Packaging Method = Tube
- Packaging Quantity = 80

**Other:**

- Brand = AMP
- Proprietary Name = MULTILOCK

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**Quick Links**

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