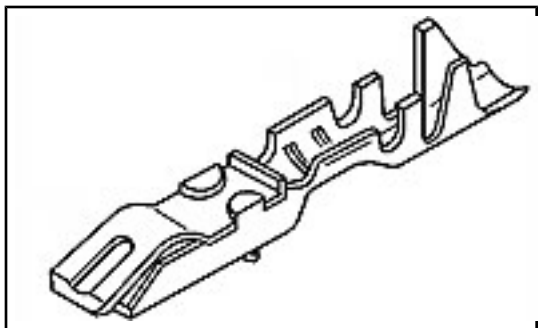


## 87165-1 Product Details

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**87165-1**

TE Internal Number: 87165-1

 [Active](#)

### Contacts-AMPMODU Machine Applied

 [Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

#### Product Highlights:

- Contact Type = Locking Clip
- Post Size = 0.64 [.025] mm [in]
- Wire Range = 0.12-0.40<sup>2</sup> [26-22] mm [AWG]
- Wire Insulation Diameter = .97 - 1.57 mm
- Phosphor Bronze Contact Base Material

[View all Features](#)

## Documentation & Additional Information

### Product Drawings:

- [CONTACT - LOCKING CLIP, FOR 0.64\[.025\] SQUARE POST, ...](#) (PDF, English)

### Catalog Pages/Data Sheets:

- [AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#) (PDF, English)

### Product Specifications:

- None Available

### Application Specifications:

- [Locking Clip 0.64-mm \(.025-in.\) Square Contacts and ...](#) (PDF, English)

### Instruction Sheets:

- [Hand Crimping Tool 90289-1](#) (PDF, English)
- [AMPMODU Locking Clip Contacts and Housings for 0.64m...](#) (PDF, English)

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

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

[List all Documents](#)

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)

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

### Product Type Features:

- [Post Size \(mm \[in\]\)](#) = 0.64 [.025]
- [Wire Insulation Diameter \(mm \[in\]\)](#) = 0.97 – 1.57 [0.038 – 0.062]
- With Insulation Support = Yes
- Wire Termination Type = Crimp
- Comment = These contacts must be crimped in accordance with AMP Specification No. 114-25006 in order to function properly in a connector housing.; Extraction Tool No. 91084-1 is used for removing individual contacts from connector housings and for detaching contacts from mating posts.; (\*) For use with Model "K" machines. Call the Technical Assistance Center (1-800-522-6752) for part numbers of applicators for use with Model "G" machines, as well as other bench machines and fully automatic AMPOMATOR lead making machines.

### Mechanical Attachment:

- Contact Spring Material = Stainless Steel

### Contact Related Features:

- [Contact Type](#) = Locking Clip
- [Contact Base Material](#) = Phosphor Bronze
- [Contact Mating Area Plating Material](#) = Gold (30) over Nickel (50)
- Contact Shape = Square
- Approved Standards = UL E28476

### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

### Conditions for Usage:

- Operating Temperature (°C) = -65 – +105

### Packaging Related Features:

- [Packaging Method](#) = Loose Piece

**Electrical Characteristics:**

- Contact Current Rating (Amps.) = 3
- Termination Resistance (m ) = 12
- Insulation Resistance (M ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

**Termination Related Features:**

- Solder Tail Contact Plating = Gold Flash over Nickel (50)

**Body Related Features:**

- [Wire Range \(mm \[AWG\]\)](#) = 0.12-0.40<sup>2</sup> [26-22]

**Other:**

- Brand = AMP