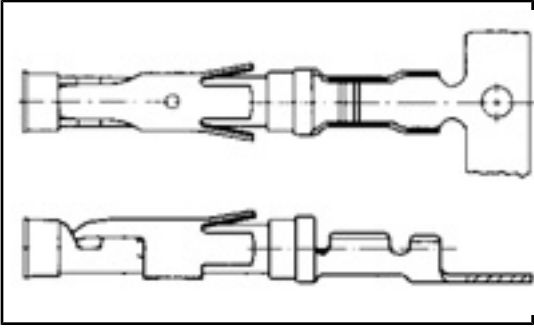


# 1-66109-6 Product Details

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**1-66109-6**

TE Internal Number: 1-66109-6



[Active](#)

## Multimate



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

### Product Highlights:

- Socket
- Gold (30) over Nickel (30) Contact Mating Area Plating Material
- Wire Range = 0.12-0.24<sup>2</sup> [26-24] mm [AWG]
- Insulation Diameter = .89 - 1.40 mm
- Brass Contact Base Material

[View all Features](#)

## Documentation & Additional Information

### Product Drawings:

- [SOCKET ASSEMBLY, LOOSE PIECE, TYPE III+](#) (PDF, English)

### Catalog Pages/Data Sheets:

- [HIGH CURRENT PRODUCTS](#) (PDF, English)
- [PRECISION PIN AND SOCKET CONTACTS](#) (PDF, English)
- [CIRCULAR CONNECTORS FOR COMMERCIAL SIGNAL AND POWER ...](#) (PDF, English)

### Product Specifications:

- None Available

### Application Specifications:

- None Available

### Instruction Sheets:

- [Selection Charts for Multimate Pin and Socket Contacts](#) (PDF, English)
- [Application and Maintenance for Crimping Head Assembly](#) (PDF, English)

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

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

[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:

- [Pin/Socket](#) = Socket
- [Insulation Diameter \(mm \[in\]\)](#) = 0.89 – 1.40 [0.035 – 0.055]
- Product Type = Type III+
- [Insulation Support](#) = Yes
- [Wire Termination Type](#) = Crimp
- Wire/Cable Type = Discrete Wire
- Grade = Commercial
- Comment = Overall insulation crimp diameter, including crimp barrel, must not exceed 3.18 [1.25].; PRO-CRIMPER II # 58495-1 Hand Tool for field repair use only.; Insertion Tool No. 91002-1 (for Insulation Dia. 1.78 [.070] or less), No. 200893-2 (for Insulation Dia. .090 [2.29] max.) Extraction Tool No. 305183.

### Electrical Characteristics:

- High Current = No

### Contact Related Features:

- [Contact Mating Area Plating Material](#) = Gold (30) over Nickel (30)
- [Contact Base Material](#) = Brass
- [Contact Size](#) = 16
- [Contact Type](#) = Signal

### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

### Conditions for Usage:

- [Terminate To](#) = Wire
- Test Current (Amps.) = 13.0

### Packaging Related Features:

**Termination Related Features:**

- [Termination End Plating](#) = Gold Flash
- Pin Diameter (mm [in]) = 1.57 [0.062]

**Body Related Features:**

- [Wire Range \(mm \[AWG\]\)](#) = 0.12-0.24<sup>2</sup> [26-24]
- Spring Material = Stainless Steel
- Used With = G Series Connectors, CPC Connectors, M Series Connectors

- [Packaging Method](#) = Loose Piece
- Packaging Quantity = 100/Box

**Other:**

- Brand = AMP