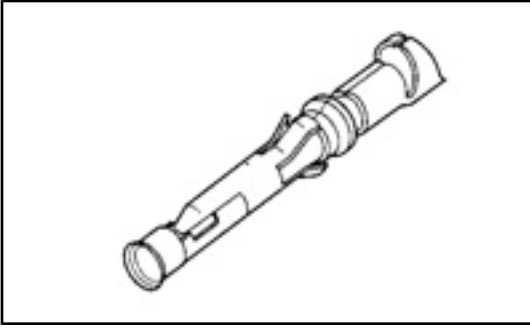


# 66181-1 Product Details

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**66181-1**

TE Internal Number: 66181-1



[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 = 0.80-1.40<sup>2</sup> [18-16] mm [AWG]
- Copper Alloy Contact Base Material
- Gold Termination End Plating

[View all Features](#)

## Documentation & Additional Information

### Product Drawings:

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

### Catalog Pages/Data Sheets:

- [PRECISION PIN AND SOCKET CONTACTS](#) (PDF, English)
- [Signal Contacts](#) (PDF, English)
- [M\\_SERIES\\_PIN\\_AND\\_SOCKET\\_CONNECTORS](#) (PDF, English)
- [CIRCULAR CONNECTORS FOR COMMERCIAL SIGNAL AND POWER ...](#) (PDF, English)
- [AMP Circular Connectors for Commercial Signal & Powe...](#) (PDF, English)

### Product Specifications:

- None Available

### Application Specifications:

- [Type III+ \(Size 16\) Contacts](#) (PDF, English)

### Instruction Sheets:

- None Available

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

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

[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
- Product Type = Type III+
- [Insulation Support](#) = Yes
- [Wire Termination Type](#) = Solder
- Wire/Cable Type = Discrete Wire
- Grade = Commercial
- Comment = These contacts can be used in MultiMate contact cavities of all connector housings.

### Electrical Characteristics:

- High Current = No

### Termination Related Features:

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

### Body Related Features:

- [Wire Range \(mm \[AWG\]\)](#) = 0.80-1.40<sup>2</sup> [18-

### Contact Related Features:

- [Contact Mating Area Plating Material](#) = Gold (30) over Nickel (30)
- [Contact Base Material](#) = Copper Alloy
- [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:

16]

- Spring Material = Stainless Steel
- Used With = M Series Connectors, CPC Connectors

- [Packaging Method](#) = Loose Piece

**Other:**

- Brand = AMP