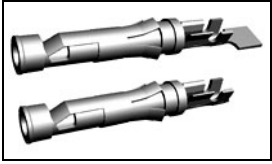




## 1-66101-9 Product Details



**1-66101-9**

TE Internal Number: 1-66101-9



### Multimate

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Contact Type = Socket
- Contact Classification = Signal
- Type III+ Series
- Bright Tin Contact Plating, Mating Area, Material
- Wire Range = 0.80-1.40<sup>2</sup> [18-16] mm [AWG]

### Documentation & Additional Information

#### Product Drawings:

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

#### Catalog Pages/Data Sheets:

- [Signal Contacts \(PDF, English\)](#)
- [M\\_SERIES\\_PIN\\_AND\\_SOCKET\\_CONNECTORS \(PDF, English\)](#)
- [AMP Circular Connectors for Commercial Signal & Powe... \(PDF, English\)](#)

#### Product Specifications:

- [Type III+ Stamped and Formed Contacts \(PDF, English\)](#)

#### Application Specifications:

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

#### Instruction Sheets:

- None Available

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

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

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

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

#### Product Type Features:

- Series = Type III+
- Insulation Support = Yes
- Termination Method to Wire/Cable = Crimp
- Wire/Cable Type = Discrete Wire
- Grade = Commercial

#### Electrical Characteristics:

- High Current = No

#### Termination Features:

- [Termination End Plating](#) = Bright Tin

#### Dimensions:

- Pin Diameter (mm [in]) = 1.57 [0.062]

#### Body Features:

- [Wire Range \(mm \[AWG\]\)](#) = 0.80-1.40<sup>2</sup> [18-16]
- Spring Material = Stainless Steel
- Used With = G Series Connectors, M Series Connectors, CPC Connectors

#### Contact Features:

- Contact Type = Socket
- Contact Classification = Signal
- [Contact Plating, Mating Area, Material](#) = Bright Tin
- [Contact Base Material](#) = Brass
- [Contact Size](#) = 16

#### 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:

- [Accepts Wire Insulation Diameter, Range \(mm \[in\]\)](#) = 2.03 - 2.54 [0.080 - 0.100]
- [Applies To](#) = Wire/Cable
- Test Current (A) = 13.0

#### Packaging Features:

- [Packaging Method](#) = Loose Piece
- [Packaging Quantity](#) = 1,000 Box/Carton

#### Other:

- Brand = AMP
- Comment = PRO-CRIMPER II # 58495-1 Hand Tool for field repair use only.; Overall insulation crimp diameter, including crimp barrel, must not exceed 3.18 [.125].; 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.