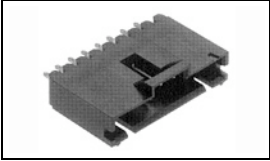


## 103638-7 Product Details



**103638-7**


TE Internal Number: 103638-7



Active

 [View 3D PDF](#)

### .100 AMPMODU Headers, Housings & Contacts

 [5 of 6 EU RoHS/ELV Compliant \(Find RoHS Compliant Alternates/Statement of Compliance\)](#)

#### Product Highlights:

- Connector
- Connector Type = Header - Pin
- 2.54 mm Centerline
- Row-to-Row Spacing = 2.54 mm
- 8 Positions

[View all Features](#)

#### Documentation & Additional Information

##### Product Drawings:

- [HDR\\_ASSY\\_VERT\\_SINGLE\\_ROW\\_2.54\[.100\]\\_CL\\_0.64\[.025\]...](#) (PDF, English)

##### Catalog Pages/Data Sheets:

- None Available

##### Product Specifications:

- None Available

##### Application Specifications:

- [AMPMODU MTE Interconnection System](#) (PDF, English)

##### Instruction Sheets:

- [AMP\\* AMPMODU\\* MTE CONNECTORS](#) (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](#)
- [Mating Products \(1\)](#)

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

##### Product Type Features:

- Product Type = Connector
- Connector Type = Header - Pin
- [Number of Positions](#) = 8
- [Post Size \(mm \[in\]\)](#) = 0.64 [.025]
- [PCB Mount Angle](#) = Vertical
- [Wire Termination Type](#) = Crimp, Insulation Displacement Crimp (IDC)
- [PCB Mount Style](#) = Through Hole
- [Mating Polarization](#) = With
- [PCB Retention Feature](#) = No
- [Mating Polarization Type](#) = Latched
- [Connector Series](#) = MTE
- Comment = Use Keying Tool No. 91417-1 to remove post for keying.

##### Electrical Characteristics:

##### Contact Related Features:

- [PCB Orientation Feature](#) = No
- [Contact Plating, Mating Area, Material](#) = Gold (15)
- Contact Base Material = Brass
- Contact Shape = Square
- Approved Standards = UL E28476, CSA LR7189

##### Housing Related Features:

- [Housing Color](#) = Black
- Housing Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

##### Industry Standards:

- [RoHS/ELV Compliance](#) = ELV compliant, 5 of 6 Compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C

- Contact Current Rating (Amps.) = 3
- Termination Resistance (mΩ) = 15
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 600

**Termination Related Features:**

- Solder Tail Contact Plating = Tin-Lead

**Body Related Features:**

- Centerline (mm [in]) = 2.54 [0.100]
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- [Number of Rows](#) = 1

**Conditions for Usage:**

- [Terminate To](#) = Printed Circuit Board
- Operating Temperature (°C) = -65 - +105

**Packaging Related Features:**

- Packaging Method = Tube

**Other:**

- Brand = AMP