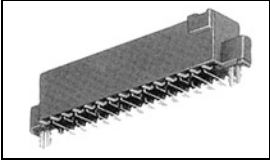


## 104652-2 Product Details




**104652-2**

TE Internal Number: 104652-2

 [Active](#)

 [View 3D PDF](#)

### .050 Inch AMPMODU 50/50 Grid

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

#### Product Highlights:

- 20 Positions
- Connector Type = Connector - Receptacle
- Terminate To Printed Circuit Board
- Vertical Mount Angle
- Yes PCB Retention Feature

[View all Features](#)

#### Documentation & Additional Information

##### Product Drawings:

- [ASSEMBLY, RECEPTACLE, VERTICAL, DOUBLE ROW, SURFACE M...](#) (PDF, English)

##### Catalog Pages/Data Sheets:

- [FINE PITCH STACKING CONNECTORS \(PARALLEL BRD TO BRD \(1\)\)](#) (PDF, English)
- [FINE PITCH STACKING CONNECTORS \(PARALLEL BRD TO BRD \(2\)\)](#) (PDF, English)
- [FINE PITCH STACKING CONNECTORS \(PARALLEL BRD TO BRD \(3\)\)](#) (PDF, English)
- [PERSONAL SYSTEMS PRODUCTS](#) (PDF, English)

##### Product Specifications:

- None Available

##### Application Specifications:

- [AMPMODU 50/50 Grid Connectors for SMT PC Board and I...](#) (PDF, English)

##### Instruction Sheets:

- None Available

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

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

[List all Documents](#)

##### Additional Information:

- [Product Line Information](#)

##### Related Products:

- [Tooling](#)
- [Mating Products \(16\)](#)

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

##### Product Type Features:

- [Number of Positions](#) = 20
- Connector Type = Connector - Receptacle
- [Mount Angle](#) = Vertical
- [PCB Retention Feature](#) = Yes
- [Mating Connector Lock](#) = Without
- [Mating Polarization](#) = With
- Mating Polarization Type = Polarizing Tab
- Hold-Down Post Material = Copper Alloy

##### Contact Related Features:

- Approved Standards = UL E28476, CSA LR7189
- Contact Base Material = Copper Alloy
- Contact Plating, Mating Area, Material = Gold (30)
- Contact Underplating = Nickel

##### Housing Related Features:

- Housing Material = Thermoplastic - GF
- Housing Flammability Rating = UL 94V-0
- Housing Color = Black

**Mechanical Attachment:**

- Hold-Down Post Plating = Tin-Lead (150) over Nickel (50)

**Electrical Characteristics:**

- Voltage (VAC) = 30
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 300
- Contact Current Rating (Amps.) = 1 - 4

**Termination Related Features:**

- Solder Tail Contact Plating = Tin-Lead (150)

**Body Related Features:**

- [PCB Retention Method](#) = Hold Down Post

- Housing Color = Black

**Industry Standards:**

- [RoHS/ELV Compliance](#) = ELV compliant, 5 of 6 Compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C

**Conditions for Usage:**

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

**Packaging Related Features:**

- Packaging Method = Tube

**Other:**

- Brand = AMP