



# 1-213828-1 Product Details

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**1-213828-1**

TE Internal Number: 1-213828-1

Active

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## CPC (Circular Plastic) and Circular Metal-Shell Connectors

Not EU RoHS or ELV Compliant

### Product Highlights:

- Connector Assembly
- Connector Style = Receptacle
- 37 Positions
- 37 Signal Positions
- 0 Power Positions

[View all Features](#)

### Quick Links

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## Documentation & Additional Information

**Product Drawings:**

- [RECEPTACLE ASSEMBLY, POSTED, REVERSE SEX, SERIES 1, ... \(PDF, English\)](#)

**Catalog Pages/Data Sheets:**

- None Available

**Product Specifications:**

- None Available

**Application Specifications:**

- [Circular Plastic Connectors \(CPC\) \(PDF, English\)](#)

**Instruction Sheets:**

- None Available

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

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

[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:**

- Connector Type = Connector Assembly
- Mount Angle = Straight
- Shell Size = 23
- PCB Mount Retention = Without
- Shell Type = All Plastic
- Product Series = Series 1
- Thread Size = 1-3/8 - 18 UNEF-2A
- Sealed = Yes

**Mechanical Attachment:**

- Number of Power Positions = 0
- Mount = Panel
- Mating Retention Type = Threaded Coupling

**Termination Features:**

- Contact Termination Type = Through Hole
- Termination Method = Solder
- Seal Type = Peripheral
- Termination End Plating = Tin-Lead over Nickel
- Termination Post Length (mm [in]) = 9.35 [0.368]

**Body Features:**

- Number of Positions = 37
- Number of Signal Positions = 37
- Mount Style = Flange with Mounting Holes
- Positions Unloaded = 7

**Contact Features:**

- Contact Type = Socket
- Contact Plating, Mating Area, Material = Tin
- Reverse Gender = Reverse
- Contact Base Material = Brass

**Housing Features:**

- Connector Style = Receptacle
- Mating Alignment Type = Keyed
- Housing Material = Nylon
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

**Configuration Features:**

- Environmental Protection = With
- Reverse Numbering = Without

**Industry Standards:**

- VDE Tested = No
- RoHS/ELV Compliance = Not ELV/RoHS compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C

**Identification Marking:**

- Keying = A
- Keyed Position = 7

**Environmental:**

- Fluid Resistance = Immersion

**Conditions for Usage:**

- Applies To = Printed Circuit Board

**Other:**

- Brand = AMP
- Comment = Posts are 0.43 [.017] offset from centerline of contacts. All posts must be oriented in the same plane for proper contact/post location.

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