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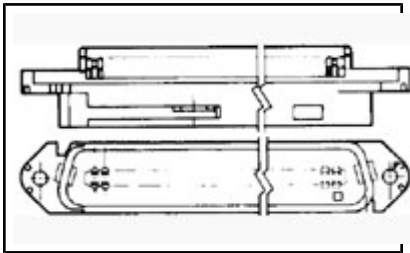
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# 552173-1 Product Details

 **Live Product Chat** US Only  
8:30am - 5pm ET, Mon - Fri



552173-1



### 2.16 [.085] IDC Connectors



[Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

#### Product Highlights:

- Connector
- Number of Positions = 50
- Plug
- Not Shielded
- Without Panel Attachment

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#### Documentation & Additional Information

**Product Drawings:**

- [PLUG ASSY, 50 POSITIONS, C SLOT W/ 4-40 HOLES, CHAMP-LOK](#) (PDF, English)

**Catalog Pages/Data Sheets:**

- [CHAMP Interconnection System](#) (PDF, English)
- [INTERCONNECTS FOR NETWORKING](#) (PDF, English)
- [MULTI-USER SYSTEMS](#) (PDF, English)
- [MINIATURE RIBBON CONNECTOR SYSTEM \(CHAMP\)](#) (PDF, English)

**Product Specifications:**

- [Connector, CHAMP](#) (PDF, English)

**Application Specifications:**

- [CHAMP Cable Connectors \(Standard And Shielded\)](#) (PDF, English)

**Instruction Sheets:**

- [CHAMP Cable-to-Cable and Cable-to-Panel Connectors](#) (PDF, English)

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

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

**Additional Information:**

- [Product Line Information](#)

**Related Products:**

- [Tooling](#)

[List all Documents](#)

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

**Product Type Features:**

- [Product Type](#) = Connector
- [Number of Positions](#) = 50
- [Gender](#) = Plug
- [Shielded](#) = No
- [Mating Connector Lock](#) = With
- Mating Connector Lock Type = Screwlocks
- [Slot Type Letter Code](#) = C
- [Wire/Cable Type](#) = 7 Strand, Solid
- Insulation Diameter (mm [in]) = 1.14 [.045] Max.
- Profile = Standard
- Connector Style = PS

**Mechanical Attachment:**

- [Panel Attachment](#) = Without
- Flange Thickness = Thick

**Body Related Features:**

- [Wire Range \(Solid\) \(mm \[AWG\]\)](#) = 0.65 [22]
- [Wire Range \(Stranded\) \(mm<sup>2</sup> \[AWG\]\)](#) = 0.40<sup>2</sup> [22]

**Contact Related Features:**

- Contact Mating Area Plating Material = Gold Flash over Palladium Nickel over Nickel, Gold (30) over Nickel (50)

**Housing Related Features:**

- Housing Color Dot Designation = Green

**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

**Packaging Related Features:**

- [Packaging Method](#) = Tray

**Other:**

- Brand = AMP

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