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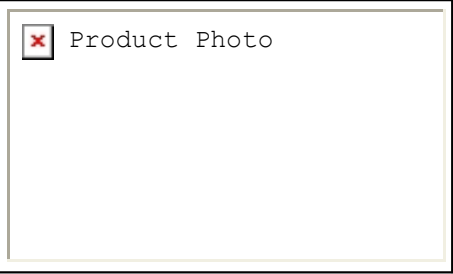
557101-9 Product Details



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557101-9

TE Internal Number: 557101-9



Superseded

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1.27 [.050] Series I, HD, FH and J Connectors

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

Product Highlights:

- Connector
- Receptacle
- Number of Positions = 50
- 1.27 mm Centerline
- Standard Profile

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- [CHAMP Interconnection System](#) (PDF, English)
- [CHAMP .050 SERIES CONNECTORS](#) (PDF, English)

Product Specifications:

- [Connector, CHAMP, 050, Board-To-Board, Vertical and ...](#) (PDF, English)
- [CHAMP* 050 Series I .025 Inch Centerline Connector](#) (PDF, English)

Application Specifications:

- [CHAMP .050 Series I Board-To-Board Connectors](#) (PDF, English)
- [CHAMP .050 Series I Connectors for 0.64 mm \(.025 In....](#) (PDF, English)

Instruction Sheets:

- [Base Assembly Universal Arbor Tool 768338-4](#) (PDF, English)
- [Connector-Specific Kit 679177-2 for CHAMP .050 Serie...](#) (PDF, English)
- [Pneumatic Auto-Cycle Unit 91112-3](#) (PDF, English)
- [Manual Arbor Frame Assembly 91085-2](#) (PDF, English)

CAD Files:

- None Available

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- [Product Type](#) = Connector
- [Gender](#) = Receptacle
- [Number of Positions](#) = 50
- [Profile](#) = Standard
- PCB Mount Style = Through Hole
- PCB Retention Feature = Yes
- [PCB Mount Angle](#) = Right Angle
- [Connector Type](#) = Series I
- [PCB Mount Polarization](#) = Without
- Color = Black
- Used For = Board To Board Applications
- Sealed Bottom = Without
- Product Series = Series I

Mechanical Attachment:

- Boardlock Material = Brass
- Boardlock Plating = Tin-Lead

Termination Related Features:

- [Termination Post Length \(mm \[in\]\)](#) = 3.10 [0.122]
- Solder Tail Contact Plating = Tin-Lead

Body Related Features:

- [Centerline \(mm \[in\]\)](#) = 1.27 [0.050]
- [PCB Retention Method](#) = Boardlock(s)

Contact Related Features:

- [Contact Mating Area Plating Material](#) = Gold (30)
- Contact Base Material = Phosphor Bronze

Housing Related Features:

- [Housing Temperature Rating](#) = High
- Housing Material = Liquid Crystal Polymer (LCP)
- Housing Flammability Rating = UL 94V-0

Industry Standards:

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

Operation/Application:

- [Application](#) = Standard

Other:

- Brand = AMP