



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **120**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	120

Electrical Characteristics

Insulation Resistance	1 MΩ
Operating Voltage	250 VAC

Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	Standard

Contact Features

Contact Layout	Inline
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Contact Mating Area Length	6.6 mm[.259 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.4 µin]
Mating Tab Width	.8 mm[.031 in]
Mating Tab Thickness	.32 mm[.013 in]
Contact Shape & Form	Single Tine
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.2 µm[7.9 µin]
Contact Type	Tab
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Boardlock, Retention Leg
Mating Alignment	With
Mating Alignment Type	Polarized
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Nylon - GF

Dimensions

Connector Height	7 mm[.275 in]
	.2 in

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	50
Packaging Type	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

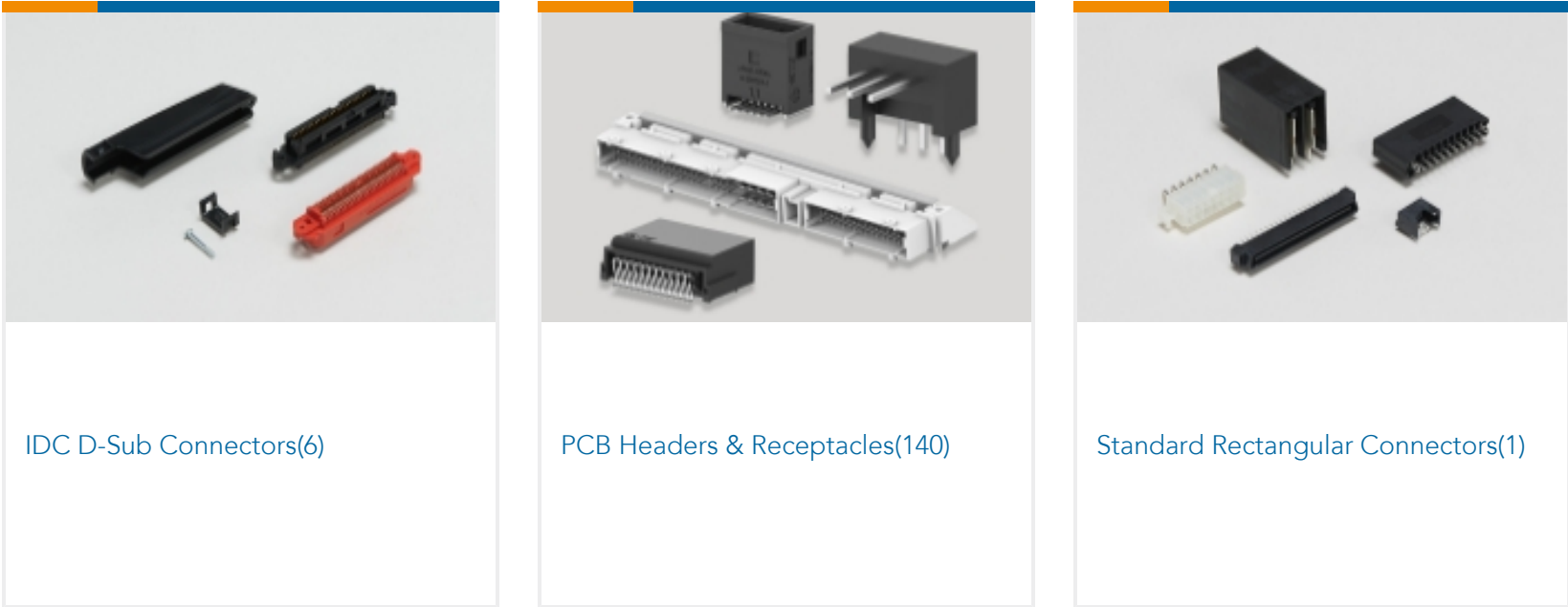
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Compatible Parts



Also in the Series

CHAMP .050 Series I



Documents

Product Drawings

CHAMP 050 B/ PLUG V W/LG 120P

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-5175473-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5175473-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5175473-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English