



CONNECTORS

## BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 80 BLDMATE RCPT ASSY LEAD FREE

CHAMP | CHAMP .050 Blindmate

787535-3

TE Internal Number: 787535-3

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm [ .05 in ]**

Number of Positions **80**

Packaging Method **Box**

Contact Mating Area Plating Material **Gold**



#### Product Drawings

**RECEPTACLE ASSEMBLY, RIGHT ANGLE, BOARD-TO-BOARD, .050, SERIES I, CHAMP BLINDMATE**

PDF (TIFF AVAILABLE)  
English

**RECEPTACLE ASSEMBLY, RIGHT ANGLE, BOARD-TO-BOARD, .050, SERIES I, CHAMP BLINDMATE**

PDF (TIFF AVAILABLE)  
English

#### CAD Files

**Customer View Model**

2D\_DXF.ZIP  
English

**3D PDF**

PDF  
3D

**Customer View Model**

3D\_IGS.ZIP  
English

**Customer View Model**

3D\_STP.ZIP  
English

## Product Specifications

Product Specification	<a href="#">Connector, CHAMP, Blindmate, .050 Series I</a> PDF English
Application Specification	<a href="#">CHAMP .050 Series I Blindmate Plug And Receptacle Single Connector Attachments (SCA)-2</a> PDF English
Qualification Test Report	<a href="#">Connector, CHAMP*, Blindmate, .050 Series I</a> PDF English
	<a href="#">Connector, CHAMP*, Blindmate, .050 Series I</a> TIF English

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## Instruction Sheets

Instruction Sheet (U.S.)	<a href="#">Seating Tool Assemblies 1320142-[] And 356198-[] For CHAMP .050 Series I Blindmate Press-Fit Connectors With Compliant Pin Contacts</a> PDF English
	<a href="#">Adapter Kits For GREENERD Manual Frame Assemblies 3A And 3B</a> PDF English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Connector Style	<b>Receptacle</b>
	PCB Mounting Orientation	<b>Right Angle</b>
	Sealed Bottom	<b>Without</b>
	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Profile	<b>High</b>
	Boss	<b>With</b>
	Series	<b>Blindmate, Series I</b>

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Configuration Features	Number of Positions	<b>80</b>
	Number of Rows	<b>2</b>
	Stackable	<b>No</b>

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Electrical Characteristics	Voltage (VAC)	<b>30</b>
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Body Features	Retention Leg Material	<b>Brass</b>
	Retention Leg Plating Material	<b>Tin over Nickel</b>
	Color	<b>Black</b>

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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>

	Contact Type	<b>Socket</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Base Material	<b>Phosphor Bronze</b>
Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>2.54 mm [ .1 in ]</b>
Mechanical Attachment	Mating Alignment Type	<b>Polarization</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>
	PCB Mount Alignment	<b>Without</b>
Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>
	Housing Color	<b>Black</b>
Dimensions	Tail Length	<b>2.7 mm [ .106 in ]</b>
	Height	<b>11.5 mm [ .45 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
	Housing Material Temperature	<b>High</b>
Operation/Application	For Use With	<b>Mates with Headers</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Box</b>
	Packaging Quantity	<b>40</b>
Other	Comment	<b>Without Sequenced Contacts</b>

Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

