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**Part Number:** [87537-8811](#)

**Status:** **Active**

**Overview:** [EBBI™ 50D](#)

**Description:** 1.27mm Pitch EBBI™ 50D Receptacle, Through Hole, Right Angle, Blind Mate, with Beveled Metal Pin and Plastic Peg, 0.76µm Gold (Au) Selective Plating, 68 Circuits, 2.00mm PC Tail Length, Lead-Free

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

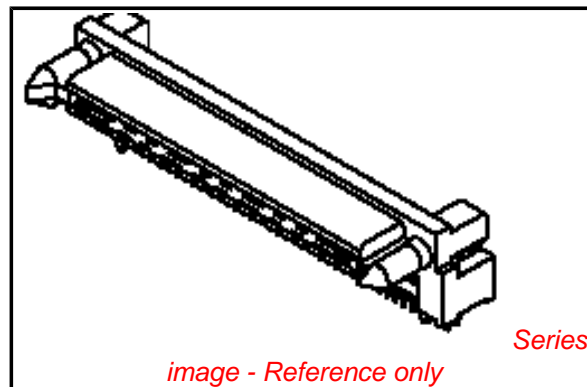
Product Family PCB Receptacles  
Series [87537](#)  
Application Board-to-Board, Signal  
Comments <LI>No Lubricant at the Contact<LI>Z-Height: 8.20mm  
Overview [EBBI™ 50D](#)  
Product Name EBBI™  
UPC 822348542000

**Physical**

Circuits (Loaded) 68  
Circuits (maximum) 68  
Color - Resin Black  
Durability (mating cycles max) 2,000  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part Yes  
Lock to Mating Part None  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 5.741/g  
Number of Rows 2  
Orientation Right Angle  
PC Tail Length 2.00mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm  
Packaging Type Tray  
Pitch - Mating Interface 1.27mm  
Plating min - Mating 0.762µm  
Plating min - Termination 2.540µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1A



**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Reviewed**

**China RoHS**



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environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[87537Series](#)

**Mates With**

[71661 EBBI™ Right Angle Blind Mate Plug](#),  
[EBBI™ Vertical Blind Mate Plug](#)

Voltage - Maximum 30V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 5  
Lead-free Process Capability SMC & Wave Capable (TH only)  
Max. Cycles at Max. Process Temperature 1  
Process Temperature max. C 265

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing SD-87537-6811

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