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**Part Number:** [0875520807](#)  
**Status:** **Active**  
**Overview:** EBBI™ 50D  
**Description:** 1.27mm Pitch EBBI™ 50D Receptacle, Through Hole, Right Angle, with Beveled Metal Pins, 0.76µm Gold (Au) Selective Plating, 80 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-87552-006 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [87552](#)  
 Application Board-to-Board, Signal  
 Overview [EBBI™ 50D](#)  
 Product Name EBBI™  
 UPC 822348069644

**Physical**

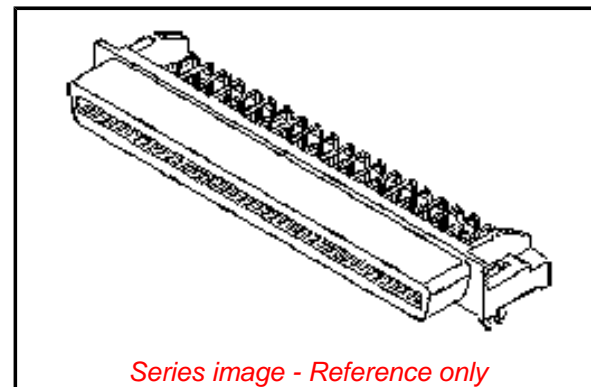
Circuits (Loaded) 80  
 Circuits (maximum) 80  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 6.179/g  
 Number of Rows 4  
 Orientation Right Angle  
 PC Tail Length 2.80mm  
 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 PCB Yes  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -55°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1.0A  
 Voltage - Maximum 30V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
 Lead-free Process Capability SMC&WAVE  
 Max. Cycles at Max. Process Temperature 001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

No -ED/39/2015 (15 June 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[87552 Series](#)

**Mates With**

[71661](#)

Process Temperature max. C

270

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document

EE-87552-001, EE-87552-002

Product Specification

PS-87552-006

Sales Drawing

SD-87552-007

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[UCC5606PWPTR](#) [Z53C8003VSG](#) [0716612068](#) [SN65LBC170DB](#) [SN65LBC171DW](#) [SN75971B2DL](#) [SN75ALS170ADW](#) [SN75ALS170DW](#)  
[SN75ALS171ADW](#) [SN75LBC170DB](#) [SN75LBC171DB](#) [TL2218-285PWR](#) [UCC5672PWP](#)