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Part Number: [0875520507](#)
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, 50 Circuits, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-87552-006-001 \(PDF\)](#)
[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 822348069613

Physical

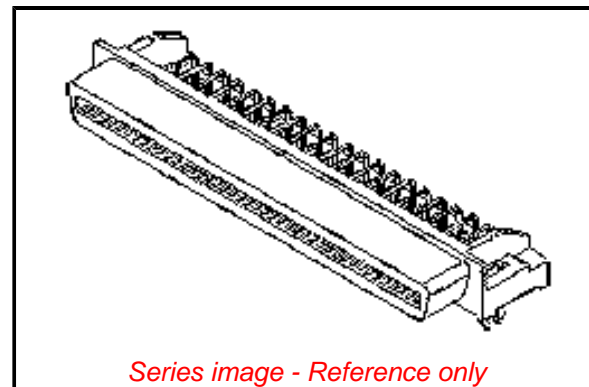
Circuits (Loaded) 50
 Circuits (maximum) 50
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part None
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 4.214/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

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

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 environmental compliance?**

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

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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-87552-006-001

Sales Drawing

SD-87552-007

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