

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [87552-0687](#)
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, 68 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 822348069637

Physical

Circuits (Loaded) 68
Circuits (maximum) 68
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 5.393/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 1A
Voltage - Maximum 30V

Solder Process Data

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

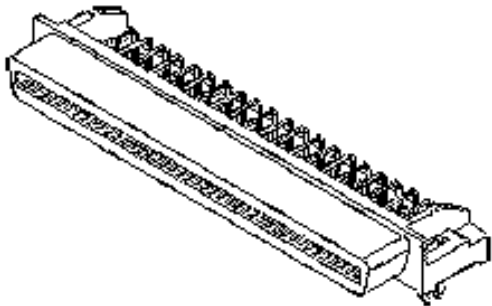


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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
[87552Series](#)

Mates With
[71661](#)

Max. Cycles at Max. Process Temperature	1
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

This document was generated on 06/30/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

87552-0687