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Part Number: [87537-8812](#)

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, Low Profile, Lead-Free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

Agency Certification

CSA LR19980
UL E29179

General

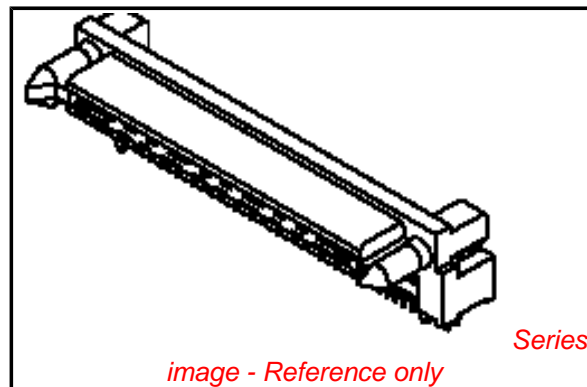
Product Family PCB Receptacles
Series [87537](#)
Application Board-to-Board, Signal
Comments No Lubricant at the ContactZ-Height: 2.54mm
Overview [EBBI™ 50D](#)
Product Name EBBI™
UPC 822348542116

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 4.778/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



**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

[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-87537-6812

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