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

Agency Certification

CSA LR19980
UL E29179

General

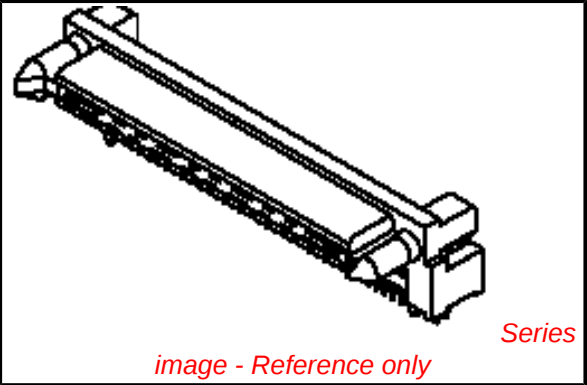
Product Family PCB Receptacles
Series 87537
Application Board-to-Board, Signal
Comments No Lubricant at the ContactZ-Height: 8.20mm
Overview EBBI™ 50D
Product Name EBBI™
UPC 822348542000

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
Contains SVHC: No
Low-Halogen Status
Low-Halogen



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
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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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