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| | |
|---|---|
| **Part Number:** | **0716612518** |
| **Status:** | **Active** |
| **Overview:** | ebbi_50d |
| **Description:** | 1.27mm (.050") Pitch EBBI™ 50D Plug, Right Angle, Blind-Mate, 68 Circuits, 3.18mm (.125") PC Tail Length |

**Documents:**

| | |
|---|---|
| 3D Model | Product Specification PS-71660 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |

**Agency Certification**

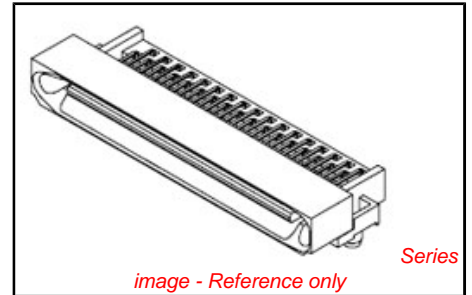| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

**General**

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 71661 |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Overview | ebbi_50d |
| Product Name | EBBI™ |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 68 |
| Circuits (maximum) | 68 |
| Color - Resin | Black |
| Durability (mating cycles max) | 2,000 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 3.18mm (.125") |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm (.063") |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.27mm (.050") |
| Pitch - Termination Interface | 1.27mm (.050") |
| Plating min - Mating | 0.762µm (30µ") |
| Plating min - Termination | 1.270µm (50µ") |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

**Series** *image - Reference only*

**EU RoHS** **China RoHS**

**ELV and RoHS Compliant**

**REACH SVHC** Not Reviewed

**Low-Halogen Status** Not Reviewed

**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**
71661Series

**Mates With**
EBBI™ 50D Receptacle 71660 , 87537

**Electrical**

Current - Maximum per Contact          1A
Voltage - Maximum          30V

**Solder Process Data**

Lead-free Process Capability          SMC & Wave Capable (TH only)
Process Temperature max. C          235

**Material Info**

Country of Origin          MX, US

**Reference - Drawing Numbers**

Packaging Specification          PK-70873-084*
Product Specification          PS-71660
Sales Drawing          SDA-71661-25**

This document was generated on 11/04/2010
### PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION