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**Part Number:** [71660-7508](#)  
**Status:** **Active**  
**Overview:** [EBBI™ 50D](#)  
**Description:** 1.27mm Pitch EBBI™ 50D Receptacle, Vertical, Blind-Mate, 80 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [71660](#)  
 Application Board-to-Board, Signal  
 Comments Circuits 1, 36-43, 45, 46, and 75-80 are advanced terminals for sequential first-mate/last-break mating  
 Overview [EBBI™ 50D](#)  
 Product Name EBBI™  
 UPC 800754351645

**Physical**

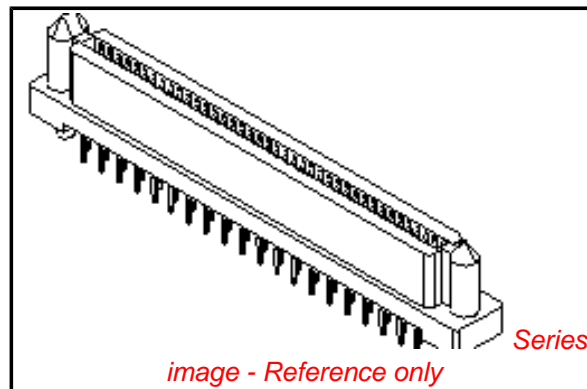
Circuits (Loaded) 80  
 Circuits (maximum) 80  
 Color - Resin Black  
 Durability (mating cycles max) 2,000  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 4.787/g  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 2.79mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 2.79mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.27mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 0.254µm  
 Polarized to PCB Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**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 260



**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](mailto: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**

71660Series

**Mates With**

716617xxx , 7166125xx

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-71660-75\*\*

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