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**Part Number:** [0716607240](#)  
**Status:** **Active**  
**Overview:** [ebbi\\_50d](#)  
**Description:** 1.27mm (.050") Pitch EBBITM 50D Receptacle, Vertical, Blind-Mate, 40 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  
 Application Tooling Part Link [622004600](#)  
 Application Tooling Part Link [622005500](#)  
 Overview [ebbi\\_50d](#)  
 Product Name EBBITM

**Physical**

Circuits (Loaded) 40  
 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  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 3.40mm (.134")  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 3.40mm (.134")  
 Packaging Type Tray  
 Pitch - Mating Interface 1.27mm (.050")  
 Plating min - Mating 0.762µm (30µ")  
 Plating min - Termination 0.254µm (10µ")  
 Polarized to PCB Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

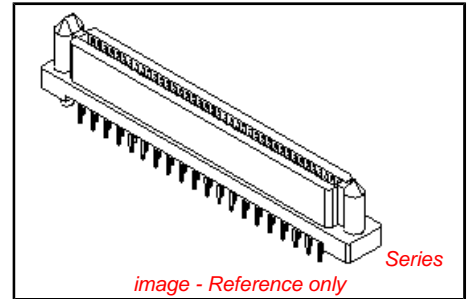
**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 40  
 Lead-free Process Capability SMC & Wave Capable (TH only)  
 Max. Cycles at Max. Process Temperature 3  
 Process Temperature max. C 260

**Material Info**



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**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**

[71661-7xxx](#) , [71661-25xx](#)

Country of Origin

HK, US

**Reference - Drawing Numbers**

Packaging Specification

PK-71660

Sales Drawing

SDA-71660-7\*\*\*

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