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**Part Number:** [0716612580](#)  
**Status:** **Active**  
**Overview:** [EBBI™ 50D](#)  
**Description:** 1.27mm Pitch EBBI™ 50D Plug, Right Angle, Blind-Mate, 80 Circuits, 2.79mm PC Tail Length

**Documents:**

[3D Model](#) [Product Specification PS-71660-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

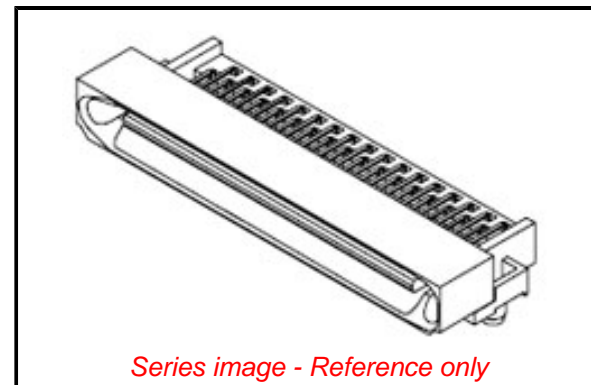
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [71661](#)  
 Application Board-to-Board, Signal, Wire-to-Board  
 Overview [EBBI™ 50D](#)  
 Product Name EBBI™  
 UPC 800756400419

**Physical**

Breakaway No  
 Circuits (Loaded) 80  
 Circuits (maximum) 80  
 Color - Resin Black  
 Durability (mating cycles max) 2000  
 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  
 Net Weight 18.218/g  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 2.79mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.27mm  
 Pitch - Termination Interface 1.27mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 1.270µm  
 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 ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[71661](#) Series

**Mates With**

EBBI™ 50D Receptacle [71660](#) , [87537](#)

**Electrical**

Current - Maximum per Contact 1.0A  
Voltage - Maximum 30V

**Solder Process Data**

Lead-free Process Capability SMC&WAVE  
Process Temperature max. C 235

**Material Info****Reference - Drawing Numbers**

Product Specification PS-71660-001  
Sales Drawing SDA-71661-25\*\*

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