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**Part Number:** [0716617040](#)  
**Status:** **Active**  
**Overview:** [EBBI 50D Connector System](#)  
**Description:** 1.27mm Pitch EBBI 50D Plug, Vertical, Blind Mate, 40 Circuits, 2.79mm PC Tail Length

**Documents:**

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

**Agency Certification**

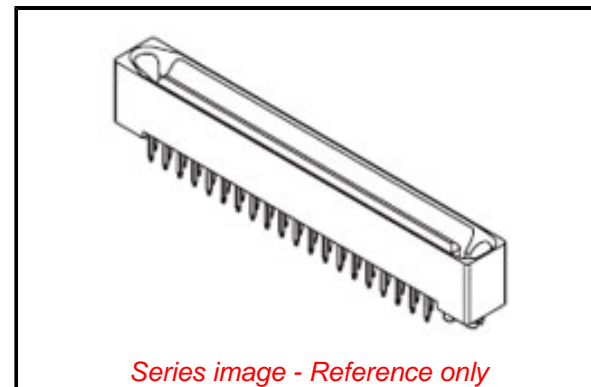
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [71661](#)  
 Application Board-to-Board, Signal, Wire-to-Board  
 Overview [EBBI 50D Connector System](#)  
 Product Name EBBI  
 UPC 800754352277

**Physical**

Breakaway No  
 Circuits (Loaded) 40  
 Circuits (maximum) 40  
 Color - Resin Black  
 Durability (mating cycles max) 2000  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part Yes  
 Keying to Mating Part None  
 Lock to Mating Part None  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 2.434/g  
 Number of Rows 2  
 Orientation Vertical  
 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 1.905µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40° 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/88/2018 (15  
 January 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[71661 Series](#)

**Mates With**

EBBI 50D Receptacle [71660](#)

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

1.0A  
30V

**Solder Process Data**

Lead-free Process Capability  
Process Temperature max. C

SMC&WAVE  
260

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

Product Specification  
Sales Drawing

PS-71660-001  
SDA-71661-7XXX

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