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**Part Number:** [0716612030](#)  
**Status:** **Active**  
**Overview:** [EBBI 50D Connector System](#)  
**Description:** 1.27mm Pitch EBBI 50D Plug, Right-Angle, 30 Circuits, 2.79mm PC Tail Length

**Documents:**

|                                |   |
|--------------------------------|---|
| <a href="#">3D Model (PDF)</a> | <a href="#">Product Specification PS-71660-001 (PDF)</a>        |
| <a href="#">3D Model</a>       | <a href="#">Packaging Specification PK-70873-084X-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                               |
| Series         | <a href="#">71661</a>                     |
| Application    | Board-to-Board, Signal, Wire-to-Board     |
| Overview       | <a href="#">EBBI 50D Connector System</a> |
| Product Name   | EBBI                                      |
| UPC            | 800754351829                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 30                             |
| Circuits (maximum)             | 30                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 2000                           |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.785/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° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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](#) , [87552](#)

**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**

Packaging Specification PK-70873-084X-001  
Product Specification PS-71660-001  
Sales Drawing SDA-71661-2XXX-001

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