**Part Number :** 716611568
**Product Description :** 1.27mm Pitch EBBI 50D Plug, Vertical, with Latch, 68 Circuits, 2.79mm PC Tail Length
**Series Number :** 71661
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

716611568_sd.pdf

PK-70873-084X-001.pdf

### Specifications

PS-71660-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

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- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 71661 |
| Description | 1.27mm Pitch EBBI 50D Plug, Vertical, with Latch, 68 Circuits, 2.79mm PC  Tail Length |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | EBBI |
| UPC | 800753938649 |

### Agency

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

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 68 |
| Circuits (maximum) | 68 |
| Color - Resin | Black |
| Durability (mating cycles max) | 2000 |
| First Mate / Last Break | No |

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| | |
|---|---|
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 4.330/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 2.79mm |
| 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 | Shrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

### Solder Process Data

| | |
|---|---|
| Lead-Free Process Capability | SMC&WAVE |
| Max-Temp | 260 |

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## Mates With / Use With

### Mates with Part(s)

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| Description | Part Number |
| --- | --- |
| EBBI 50D Vertical PCB Receptacles | 71660 |

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