# molex

**Part Number :** 15921430

**Series Number :** 71660

**Product Category :** PCB Headers and Receptacles

**Product Description :** 1.27mm Pitch EBBI 50D Receptacle, Vertical, 30 Circuits

**Status :** Active

**Engineering Number :** A716601330

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## Documents & Resources

### Drawings
Drawing  015921430_sd.pdf
Packaging Design Drawing  PK-71660-001.pdf

### 3D Models and Design Files
3D Model  015921430_stp.zip

### Specifications
Product Specification  PS-71660-001.pdf

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## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | ♻ |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance
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# Part Details

## General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 71660 |
| Description | 1.27mm Pitch EBBI 50D Receptacle, Vertical, 30 Circuits |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Family | EBBI 50D Connector System |
| Product Name | EBBI |
| UPC | 800754397407 |

## Agency

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

## Electrical

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

## Physical

| | |
|---|---|
| Circuits (Loaded) | 30 |
| Circuits (maximum) | 30 |
| Color - Resin | Black |
| Durability (mating cycles max) | 2000 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |

| | |
|---|---|
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.000/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PC Tail Length | 2.79mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.57mm |
| Pitch - Mating Interface | 1.27mm |
| Plating min - Mating | 0.762μm |
| Plating min - Termination | 0.254μm |
| Polarized to PCB | Yes |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

## Solder Process Data

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

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