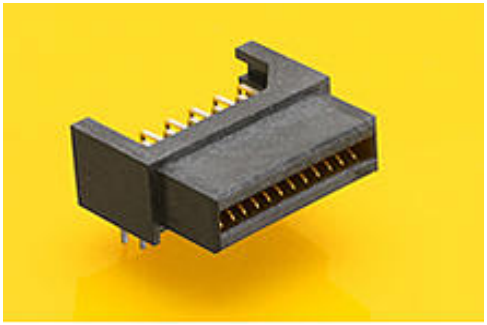
molex



**Part Number :** 459840452
**Product Description :** EXTreme LPHPower Receptacle Header, Right-Angle, 28 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Posts and Press-fit Plastic Pegs
**Series Number :** 45984
**Status :** Active
**Product Category :** Board-to-Board Connectors

## Documents and Resources

### Drawings

459840452_sd.pdf

459840452_stp.zip

Symbol and Footprint (Multi-Format)

SYM-45984-0451-001.zip

### Specifications

PS-45984-001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| 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)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

Downloaded from Arrow.com.

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- 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 | Board-to-Board Connectors |
| Series | 45984 |
| Description | EXTreme LPHPower Receptacle Header, Right-Angle, 28 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Posts and Press-fit Plastic Pegs |
| Application | Board-to-Board, Signal |
| Component Type | Receptacle |
| Product Name | EXTreme LPHPower |
| UPC | 884982067417 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 30V DC (Signal) |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 28 |

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| | |
|---|---|
| Circuits (maximum) | 28 |
| Color - Resin | Black |
| Durability (mating cycles max) | 250 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | No |
| Lock to Mating Part | No |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.900/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 2.36mm |
| PC Tail Length | 3.60mm |
| Pitch - Mating Interface | 1.27mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 3.810µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| (p)ower-(s)ignal Configuration | 28s - 0p |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

**Solder Process Data**

| | |
|---|---|
| Max-Duration | 20 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 3 |

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| | |
|---|---|
| Max-Temp | 260 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| EXTreme LPHPower Right-Angle Plugs | 45985 |
| Mates With | 1.57mm Card Edge |



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