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Part Number:

45984-6352

Status:

Active

Overview:

EXTreme LPHPower™

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Right Angle, 6 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Press-fit Plastic Pegs



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-45984-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

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

General

|                |                       |
|----------------|-----------------------|
| Product Family | PCB Receptacles       |
| Series         | 45984                 |
| Application    | Board-to-Board, Power |
| Overview       | EXTreme LPHPower™     |
| Product Name   | EXTreme LPHPower™     |
| UPC            | 822350774741          |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 6p - 28s                       |
| Circuits (Loaded)              | 34                             |
| Circuits (maximum)             | 34                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | Yes                            |
| 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                     | 9.945/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 3.60mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 1.27mm, 12.00mm                |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 3.810µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40°C to +105°C                |
| Termination Interface: Style   | Through Hole                   |

Electrical

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series  
45984Series

Mates With  
45985 EXTreme LPHPower™ Headers,  
1.57mm Card Edge

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 27A     |
| Grounding to PCB              | No      |
| Voltage - Maximum             | 250V AC |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 20                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-45984-001 |
| Sales Drawing         | SD-45984-600 |

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