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Part Number:

0459844113

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 4 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board



Series image - Reference only

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Documents:                     |                                                                |
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-45984-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-45984-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

Agency Certification

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

General

|                |                             |
|----------------|-----------------------------|
| Product Family | PCB Receptacles             |
| Series         | 45984                       |
| Application    | Board-to-Board, Power       |
| Overview       | EXTreme LPHPower Connectors |
| Product Name   | EXTreme LPHPower            |
| UPC            | 822350773249                |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 4p - 12s                       |
| Circuits (Loaded)              | 16                             |
| Circuits (maximum)             | 16                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | 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                     | 6.184/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 2.90mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.57mm                         |
| 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° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

45984 Series

Mates With

45985 EXTreme LPHPower Headers,  
1.57mm Card Edge

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 30.0A   |
| Grounding to PCB              | No      |
| Voltage - Maximum             | 250V AC |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 020  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 003  |
| Process Temperature max. C                     | 260  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                  |
|-------------------------|------------------|
| Packaging Specification | PK-45984-001-001 |
| Product Specification   | PS-45984-001-001 |
| Sales Drawing           | SD-45984-400     |
| Symbol/Footprint Data   | SYM-45984-4111   |

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