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Part Number:

0459844123

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 4 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board



Series image - Reference only

- Documents:
- 3D Model

Packaging Specification PK-45984-001-001 (PDF)
- Drawing (PDF)

Symbol Footprint Data SYM-45984-4121-001 (PDF)
- 3D Model (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-45984-001-001 (PDF)

| Agency Certification           |                                |
|--------------------------------|--------------------------------|
| CSA                            | LR19980                        |
| UL                             | E29179                         |
| General                        |                                |
| Product Family                 | PCB Receptacles                |
| Series                         | 45984                          |
| Application                    | Board-to-Board, Power          |
| Component Type                 | PCB Receptacle                 |
| Overview                       | EXTreme LPHPower Connectors    |
| Product Name                   | EXTreme LPHPower               |
| Taxonomy                       | Board-to-Board Connectors      |
| UPC                            | 822350773270                   |
| Physical                       |                                |
| (p)ower-(s)ignal Configuration | 4p - 16s                       |
| Circuits (Loaded)              | 20                             |
| Circuits (maximum)             | 20                             |
| 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                     | 6.443/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                            |

| EU ELV                                                        |               |
|---------------------------------------------------------------|---------------|
| Not Relevant                                                  |               |
| EU RoHS                                                       |               |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free Status                                           |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| 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

|                                                |                    |
|------------------------------------------------|--------------------|
| Temperature Range - Operating                  | -40° to +105°C     |
| Termination Interface: Style                   | Through Hole       |
| <b>Electrical</b>                              |                    |
| Current - Maximum per Contact                  | 30.0A              |
| Grounding to PCB                               | No                 |
| Voltage - Maximum                              | 250V AC            |
| <b>Solder Process Data</b>                     |                    |
| Duration at Max. Process Temperature (seconds) | 020                |
| Lead-freeProcess Capability                    | WAVE               |
| Max. Cycles at Max. Process Temperature        | 003                |
| Process Temperature max. C                     | 260                |
| <b>Material Info</b>                           |                    |
| <b>Reference - Drawing Numbers</b>             |                    |
| Packaging Specification                        | PK-45984-001-001   |
| Product Specification                          | PS-45984-001-001   |
| Sales Drawing                                  | SD-45984-400-001   |
| Symbol/Footprint Data                          | SYM-45984-4121-001 |

This document was generated on 01/07/2023

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