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Part Number:

0459851251

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 10 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, with Guide Pockets

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45984-001-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

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

General

|                      |                             |
|----------------------|-----------------------------|
| Product Family       | PCB Headers                 |
| Series               | 45985                       |
| 3D Viewer            | Yes                         |
| Application          | Board-to-Board, Power       |
| CURRENT-MAX-NUMERIC  | 20.0                        |
| Overview             | EXTreme LPHPower Connectors |
| PITCH-MATING-NUMERIC | 1.27, 12.00                 |
| Product Name         | EXTreme LPHPower            |
| UPC                  | 822350776370                |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 10p - 28s                      |
| Breakaway                      | No                             |
| Circuits (Loaded)              | 38                             |
| Circuits (maximum)             | 38                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | None                           |
| 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                     | 13.429/g                       |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 4.50mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 3.18mm                         |
| 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                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
ED/71/2019 (16 July  
2019)

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

45985 Series

Mates With

45984 EXTreme LPHPower PCB  
Receptacles

|                                                |                  |
|------------------------------------------------|------------------|
| Surface Mount Compatible (SMC)                 | Yes              |
| Temperature Range - Operating                  | -40° to +105°C   |
| Termination Interface: Style                   | Through Hole     |
| <b>Electrical</b>                              |                  |
| Current - Maximum per Contact                  | 20.0A            |
| Voltage - Maximum                              | 250V AC (RMS)/DC |
| <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>             |                  |
| Product Specification                          | PS-45984-001-001 |
| Sales Drawing                                  | SD-45985-100     |
| Symbol/Footprint Data                          | SYM-45985-1251   |

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