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Part Number:

0459844343

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 4 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Press-fit Plastic Pegs

Documents:

Drawing (PDF)

3D Model (PDF)

3D Model

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

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

Symbol Footprint Data SYM-45984-4341-001 (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 Connectors    |
| Product Name                   | EXTreme LPHPower               |
| Taxonomy                       | Board-to-Board Connectors      |
| UPC                            | 822350551403                   |
| Physical                       |                                |
| (p)ower-(s)ignal Configuration | 4p - 24s                       |
| Circuits (Loaded)              | 28                             |
| Circuits (maximum)             | 28                             |
| 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                     | 7.178/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 2.90mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| 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                 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

D(2022)4187-DC (10

June 2022)

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

|                                                |                    |
|------------------------------------------------|--------------------|
| 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-45984-4341-001 |

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