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Part Number:

0459854343

Status:

Active

Overview:

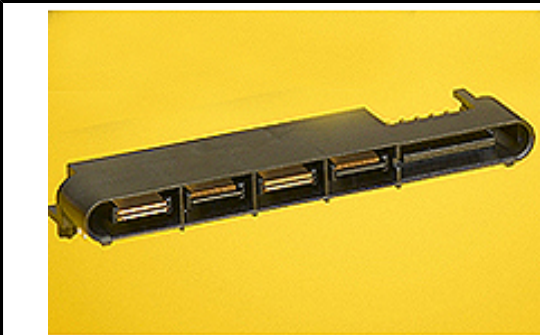
EXTreme LPHPower Connectors

Description:

EXTreme LPHPower 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:                     |                                                                |
| <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 Headers                                 |
| Series                         | 45985                                       |
| Application                    | Board-to-Board, Power                       |
| Overview                       | <a href="#">EXTreme LPHPower Connectors</a> |
| Product Name                   | EXTreme LPHPower                            |
| UPC                            | 822350777537                                |
| Physical                       |                                             |
| (p)ower-(s)ignal Configuration | 4p - 24s                                    |
| Breakaway                      | No                                          |
| Circuits (Loaded)              | 28                                          |
| Circuits (maximum)             | 28                                          |
| Color - Resin                  | Black                                       |
| Durability (mating cycles max) | 250                                         |
| First Mate / Last Break        | No                                          |
| Flammability                   | 94V-0                                       |
| Glow-Wire Capable              | No                                          |
| Guide to Mating Part           | No                                          |
| 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                     | 6.588/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                                         |
| Shrouded                       | Fully                                       |
| Stackable                      | No                                          |
| Surface Mount Compatible (SMC) | Yes                                         |
| Temperature Range - Operating  | -40° to +105°C                              |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ECHA_01_2020 (16 January 2020             |               |
| 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

45985 Series

Mates With

45984 EXTreme LPHPower PCB Receptacles

|                                                |                  |
|------------------------------------------------|------------------|
| Termination Interface: Style                   | Through Hole     |
| <b>Electrical</b>                              |                  |
| Current - Maximum per Contact                  | 30.0A            |
| 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>             |                  |
| Packaging Specification                        | PK-45984-001-001 |
| Product Specification                          | PS-45984-001-001 |
| Sales Drawing                                  | SD-45985-400     |
| Symbol/Footprint Data                          | SYM-45985-4341   |

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