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Part Number: [0459854921](#)
Status: **Active**
Overview: EXTreme LPHPower Connectors
Description: EXTreme LPHPower Header, Right-Angle, 4 Power Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board

Documents:

[3D Model](#) [Product Specification PS-45984-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [45985](#)
 Application Board-to-Board, Power
 Comments 4 Power Blades
 Overview [EXTreme LPHPower Connectors](#)
 Product Name EXTreme LPHPower
 UPC 800756720456

Physical

(p)ower-(s)ignal Configuration 4p - 0s
 Breakaway No
 Circuits (Loaded) 4
 Circuits (maximum) 4
 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 4.350/g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 3.60mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 2.36mm
 Packaging Type Tray
 Pitch - Mating Interface 12.00mm
 Pitch - Termination Interface 2.00mm, 2.50mm
 Plating min - Mating 0.762µm
 Plating min - Termination 3.810µm
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Closed Ends
 Stackable No
 Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/61/2018 (27 June
 2018)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[45985 Series](#)

Mates With

[45984](#) EXTreme LPHPower PCB
 Receptacles

Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	30.0A
Voltage - Maximum	250V AC (RMS)/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	015
Lead-free Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	230
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-102

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