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Part Number: [0459854482](#)
Status: **Active**
Overview: [EXTreme LPHPower Connectors](#)
Description: EXTreme LPHPower Header, Right-Angle, 4 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

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](#)
3D Viewer Yes
Application Board-to-Board, Power
CURRENT-MAX-NUMERIC 30.0
Overview [EXTreme LPHPower Connectors](#)
PITCH-MATING-NUMERIC 1.27, 12.00
Product Name EXTreme LPHPower
UPC 822350777889

Physical

(p)ower-(s)ignal Configuration 4p - 40s
Breakaway No
Circuits (Loaded) 44
Circuits (maximum) 44
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 7.715/g
Number of Rows 2
Orientation Right Angle
PC Tail Length 3.60mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 2.36mm
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

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

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

Stackable	No
Surface Mount Compatible (SMC)	Yes
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)	020
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-400
Symbol/Footprint Data	SYM-45985-4481

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