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Part Number: [0459858462](#)

Status: **Active**

Overview: [EXTreme LPHPower Connectors](#)

Description: EXTreme LPHPower Header, Right-Angle, 8 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:

[3D Model](#)

[3D Model \(PDF\)](#)

[Drawing \(PDF\)](#)

[Product Specification PS-45984-001-001 \(PDF\)](#)

[Packaging Specification PK-45984-001-001 \(PDF\)](#)

[Symbol Footprint Data SYM-45985-8461-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980

UL E29179

General

Product Family PCB Headers

Series [45985](#)

Application Board-to-Board, Power

Overview [EXTreme LPHPower Connectors](#)

Product Name EXTreme LPHPower

Taxonomy Board-to-Board Connectors

UPC 822350779715

Physical

(p)ower-(s)ignal Configuration 8p - 32s

Breakaway No

Circuits (Loaded) 40

Circuits (maximum) 40

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 11.555/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

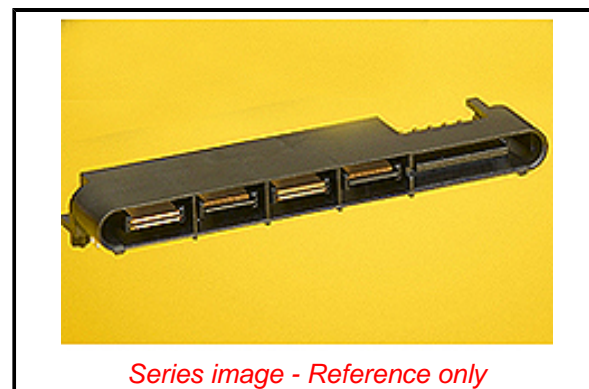
Plating min - Mating 0.762µm

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 -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

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	23.0A
Voltage - Maximum	250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	020
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-45984-001-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-800-001
Symbol/Footprint Data	SYM-45985-8461-001

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