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Part Number: [0459844122](#)
Status: **Active**
Overview: EXTreme LPHPower Connectors
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 4 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board

Documents:

3D Model	Packaging Specification PK-45984-001-001 (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-45984-4121-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45984-001-001 (PDF)	

Agency Certification

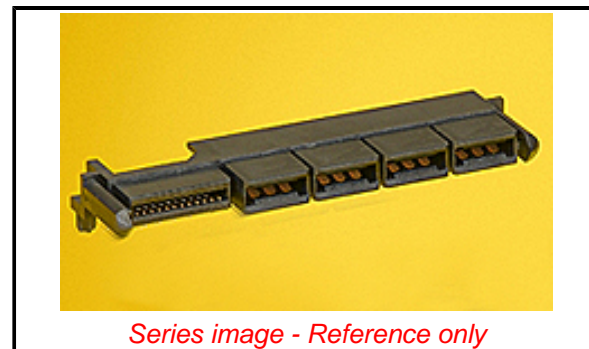
CSA	LR19980
UL	E29179

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	822350773263

Physical

(p)ower-(s)ignal Configuration	4p - 16s
Circuits (Loaded)	20
Circuits (maximum)	20
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	6.443/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	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



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

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[45984](#) Series

Mates With

[45985](#) EXTreme LPHPower Headers,
1.57mm Card Edge

Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 30.0A
Grounding to PCB No
Voltage - Maximum 250V AC

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-45984-400-001
Symbol/Footprint Data SYM-45984-4121-001

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