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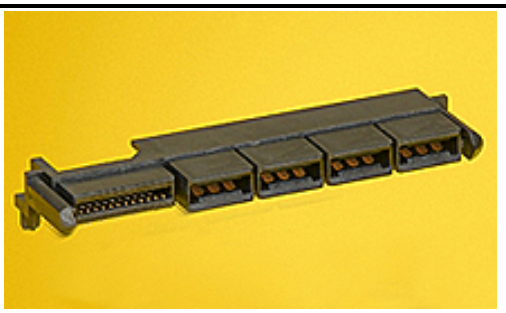
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Part Number: 0459848432

Status: Active

Overview: EXTreme LPHPower Connectors

Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 8 Power Contacts, 20 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Posts, with Press-fit Plastic Pegs



Series image - Reference only

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-45984-8431-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	45984
Application	Board-to-Board, Power
Component Type	PCB Receptacle
Overview	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
Taxonomy	Board-to-Board Connectors
UPC	822350775854

Physical

(p)ower-(s)ignal Configuration	8p - 20s
Circuits (Loaded)	28
Circuits (maximum)	28
Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
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	12.409/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
Stackable	No
Surface Mount Compatible (SMC)	Yes

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
45984 Series

Mates With
45985 EXTreme LPHPower Headers, 1.57mm Card Edge

Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	23.0A
Grounding to PCB	No
Voltage - Maximum	250V AC

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

Packaging Specification	PK-45984-001-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45984-800-001
Symbol/Footprint Data	SYM-45984-8431-001

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