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Part Number:

0459846142

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 6 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board



Series image - Reference only

- Documents:
- 3D Model

Packaging Specification PK-45984-001-001 (PDF)
- 3D Model (PDF)

Symbol Footprint Data SYM-45984-6141-001 (PDF)
- Drawing (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	822350774253
Physical	
(p)ower-(s)ignal Configuration	6p - 24s
Circuits (Loaded)	30
Circuits (maximum)	30
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	9.469/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

China 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

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

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	27.0A
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-45984-600-001
Symbol/Footprint Data	SYM-45984-6141-001

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