

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459854121

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 4 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board

Documents:

3D Model

Product Specification PS-45984-001-001 (PDF)

3D Model (PDF)

Packaging Specification PK-45984-001-001 (PDF)

Drawing (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	
UPC	822350776981	

Physical		
(p)ower-(s)ignal Configuration	4p - 16s	
Breakaway	No	
Circuits (Loaded)	20	
Circuits (maximum)	20	
Color - Resin	Black	
Durability (mating cycles max)	250	
First Mate / Last Break	No	
Flammability	94V-0	
Glow-Wire Capable	No	
Guide to Mating Part	No	
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	5.926/g	
Number of Rows	2	
Orientation	Right Angle	
PC Tail Length	4.50mm	
PCB Locator	No	
PCB Retention	None	
PCB Thickness - Recommended	3.18mm	
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	
Stackable	No	
Surface Mount Compatible (SMC)	Yes	
Temperature Range - Operating	-40° to +105°C	



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - ECHA_01_2020 (16 January 2020)	
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

45985 Series

Mates With

45984 EXTreme LPHPower PCB Receptacles

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	
Packaging Specification	PK-45984-001-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-400
Symbol/Footprint Data	SYM-45985-4121

This document was generated on 04/20/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[45985-4121](#)