

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459854483

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 4 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:

3D Model

Drawing (PDF)

3D Model (PDF)

Product Specification PS-45984-001-001 (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
UPC		822350777896

Physical		
(p)ower-(s)ignal Configuration		4p - 40s
Breakaway		No
Circuits (Loaded)		44
Circuits (maximum)		44
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		7.715/g
Number of Rows		2
Orientation		Right Angle
PC Tail Length		2.90mm
PCB Locator		Yes
PCB Retention		Yes
PCB Thickness - Recommended		1.57mm
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



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - ED/71/2019 (16 July 2019)	
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

Temperature Range - Operating	-40° to +105°C
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	
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-400
Symbol/Footprint Data	SYM-45985-4481

This document was generated on 12/20/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION