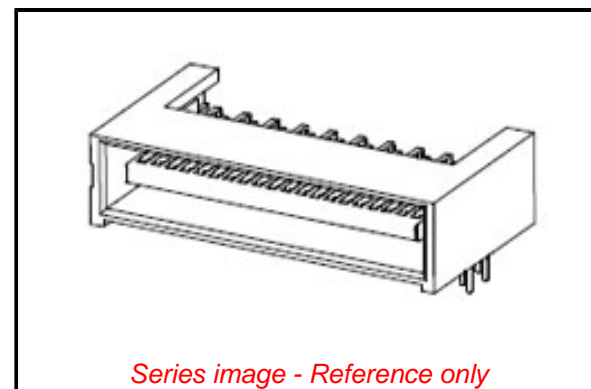


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0459856272](#)  
**Status:** **Active**  
**Overview:** EXTreme LPHPower Connectors  
**Description:** EXTreme LPHPower Header, Right-Angle, 6 Power Contacts, 36 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-45984-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Symbol Footprint Data SYM-45985-6271-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-45984-001-001 (PDF)</a>	



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">45985</a>
Application	Board-to-Board, Power
Overview	<a href="#">EXTreme LPHPower Connectors</a>
Product Name	EXTreme LPHPower
UPC	822350778329

**Physical**

(p)ower-(s)ignal Configuration	6p - 36s
Breakaway	No
Circuits (Loaded)	42
Circuits (maximum)	42
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	9.589/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
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

[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 27.0A  
Voltage - Maximum 250V AC (RMS)/DC

**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-45985-600-001  
Symbol/Footprint Data SYM-45985-6271-001

This document was generated on 10/11/2021

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