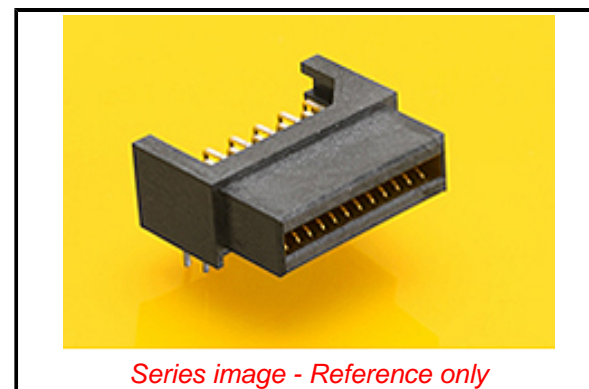


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0459840111](#)  
**Status:** **Active**  
**Overview:** EXTreme LPHPower Connectors  
**Description:** 1.27mm Pitch, EXTreme LPHPower Receptacle Header, Right-Angle, 12 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-45984-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-45984-0111-001 (PDF)</a>
<a href="#">3D Model (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 Receptacles
Series	45984
Application	Board-to-Board, Power
Overview	<a href="#">EXTreme LPHPower Connectors</a>
Product Name	EXTreme LPHPower
UPC	884982064898

**Physical**

(p)ower-(s)ignal Configuration	12s - 0p
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	250
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	1.162/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
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
Termination Interface: Style	Through Hole

**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**

[45984](#) Series

**Mates With**

[45985](#) EXTreme LPHPower Headers,  
1.57mm Card Edge

**Electrical**

Current - Maximum per Contact	1.0A
Grounding to PCB	No
Voltage - Maximum	250V AC

**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-45984-002-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45984-483-001
Symbol/Footprint Data	SYM-45984-0111-001

This document was generated on 10/01/2021

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