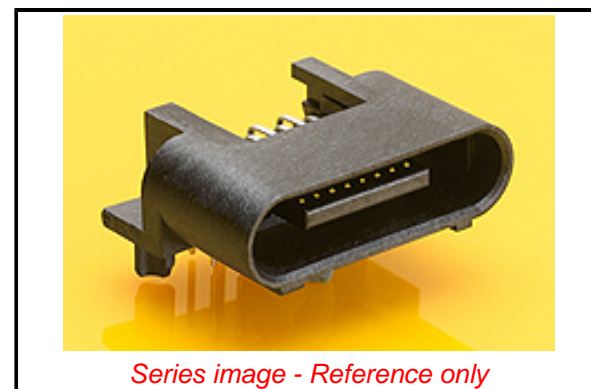


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0459850413**
Status: **Active**
Overview: EXTreme LPHPower Connectors
Description: EXTreme LPHPower Plug with Guides and Pegs, Right-Angle, 12 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board

Documents:

3D Model	Packaging Specification PK-45984-001-001 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-45985-0411 (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 Headers
Series	<u>45985</u>
Application	Board-to-Board, Signal
Overview	<u>EXTreme LPHPower Connectors</u>
Product Name	EXTreme PowerPlus
UPC	883906964290

Physical

(p)ower-(s)ignal Configuration	12s - 0p
Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	1.707/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	2.90mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.57mm
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
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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

Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1.0A
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-45985-483-001
Symbol/Footprint Data	SYM-45985-0411

This document was generated on 07/17/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION