

**Part Number :** 459850483

**Product Description :** EXTreme LPHPower Plug, Right-Angle, 40 Signal Contacts, Select Gold (Au) Plating, with Optional Pegs, with Optional Guides for 1.57mm Thick PC Board

**Series Number :** 45985

**Status :** Active

**Product Category :** Board-to-Board Connectors



## Documents & Resources

### Drawings

Drawing 459850483\_sd.pdf

Packaging Design Drawing PK-45984-001-001.pdf

### 3D Models and Design Files

3D Model 459850483\_stp.zip

Symbol Footprint Data SYM-45985-0481-001.zip

### Specifications

Product Specification PS-45984-001-001.pdf

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### **Part Details**

#### **General**

Status	Active
Category	Board-to-Board Connectors
Series	45985
Description	EXTreme LPHPower Plug, Right-Angle, 40 Signal Contacts, Select Gold (Au) Plating, with Optional Pegs, with Optional Guides for 1.57mm Thick PC Board
Application	Board-to-Board, Power
Component Type	PCB Header
Product Family	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
UPC	883906320812

#### **Agency**

CSA	LR19980
UL	E29179

#### **Electrical**

Current - Maximum per Contact	20.0A
Voltage - Maximum	250V AC (RMS)/DC

#### **Physical**

Breakaway	No
Circuits (Loaded)	40
Circuits (maximum)	40
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	3.439/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	40s - 0p
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	20
Lead-Free Process Capability	WAVE
Max-Cycle	3
Max-Temp	260

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle PCB Receptacles	<u>45984</u>

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