



**Part Number :** [459858151](#)

**Product Description :** EXTreme LPHPower Plug, Right-Angle, 8 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board

**Series Number :** 45985

**Status :** Active

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



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## Documents and Resources

### Drawings

[459858151\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-45985-8151-001.zip](#)


### Specifications

[PS-45984-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

### [Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	45985
Description	EXTreme LPHPower Plug, Right-Angle, 8 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board
Application	Board-to-Board, Power, Signal
Component Type	Plug
Product Name	EXTreme LPHPower
UPC	822350778961

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	23.0A
Voltage - Maximum	250V AC (RMS)/DC (Power), 30V DC (Signal)

### Physical

Breakaway	No
Circuits (Loaded)	36
Circuits (maximum)	36
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	No
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	10.911/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	3.18mm
PC Tail Length	4.50mm
Pitch - Mating Interface	1.27mm, 12.00mm
Pitch - Termination Interface	1.27mm, 2.00mm, 2.50mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	8p - 28s
Shrouded	Shrouded
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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