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**Part Number:** **0459851462**

**Status:** **Active**

**Overview:**

**Description:** 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Header, Right Angle, 10 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, for 2.36mm (.093") Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

**Documents:**

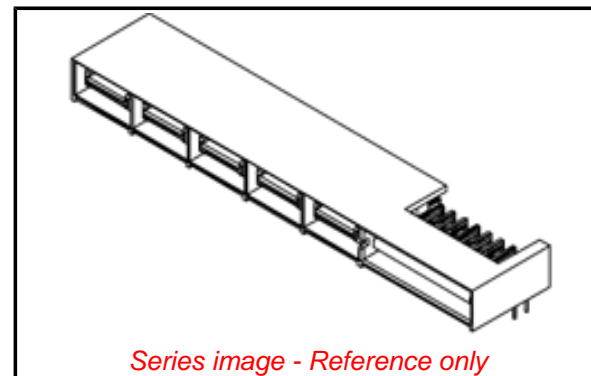
[3D Model](#)

[Drawing \(PDF\)](#)

[Packaging Specification \(PDF\)](#)

[Product Specification PS-45984-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)



*Series image - Reference only*

**General**

Product Family	PCB Headers
Series	45985
Application	Board-to-Board
Overview	EXTreme LPHPower™#153;
Product Name	EXTreme LPHPower™

**Physical**

Breakaway	No
Circuits (Loaded)	42
Circuits (maximum)	42
Circuits Detail	10 Power, 32 Signal
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	Yes
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Brass
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.36 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (in)	0.472 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Mating Interface (mm)	12.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	150
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.25
Plating min: Termination (µm)	3.75
Polarized to Mating Part	Yes

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

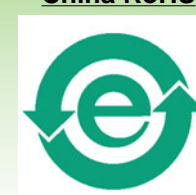
**Contains SVHC: No**

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

Duration at Max.	20
Process Temperature (seconds)	
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max.	3
Process Temperature	
Process Temperature max.	260 C

**Search Parts in this Series**

[45985 Series](#)

**Mates With**

45984 EXTreme LPHPower™ PCB Receptacles

Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
<b>Electrical</b>	
CSA	LR19980
Current - Maximum	20A
TUV	30683046
UL	E29179
Voltage - Maximum	250V AC (RMS)/DC
<b>Material Info</b>	
<b>Reference - Drawing Numbers</b>	
Product Specification	PS-45984-001
Sales Drawing	SD-45985-100

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