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Part Number: [0459854233](#)

Status: **Active**

Overview:

Description: 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Header, Right Angle, 4 Power Contacts, 20 Signal Contacts, Select Gold (Au) Plating, for 1.57mm (.062") Thick PC Board, with Guide Pockets

Documents:

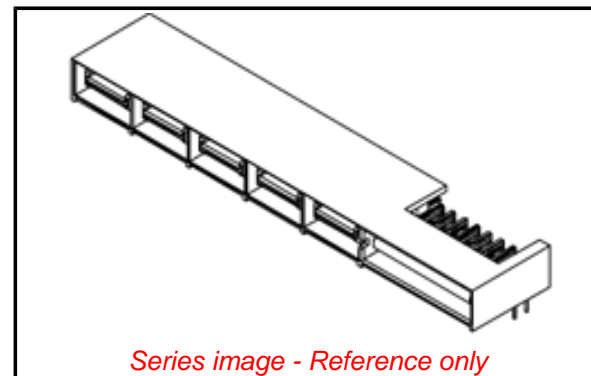
[3D Model](#)

[Drawing \(PDF\)](#)

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

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

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



General

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

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Circuits Detail	4 Power, 20 Signal
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	Yes
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)	0.114 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 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
Polarized to PCB	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
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. Process Temperature	3
Process Temperature max. C	260

Search Parts in this Series

[45985 Series](#)

Mates With

45984 EXTreme LPHPower™ PCB Receptacles

Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum	30A
Voltage - Maximum	250V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-45984-001
Sales Drawing	SD-45985-400

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