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Part Number: [45985-1381](#)
Status: **Active**
Overview: EXTreme LPHPower™
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Header, Right Angle, 10 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, with Press-fit Plastic Pegs

Documents:

[3D Model](#) [Product Specification PS-45984-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
TUV	30683046
UL	E29179

General

Product Family	PCB Headers
Series	45985
Application	Board-to-Board, Power
Overview	EXTreme LPHPower™
Product Name	EXTreme LPHPower™
UPC	822350776707

Physical

(p)ower-(s)ignal Configuration	10p - 40s
Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	Yes
Flammability	94V-0
Glow-Wire Compliant	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	14.096/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	4.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.18mm
Packaging Type	Tray
Pitch - Mating Interface	1.27mm, 12.00mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No



Series

image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[45985Series](#)

Mates With

[45984 EXTreme LPHPower™ PCB Receptacles](#)

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	20A
Voltage - Maximum	250V AC (RMS)/DC

Solder Process Data

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

Material Info

Reference - Drawing Numbers

Product Specification	PS-45984-001
Sales Drawing	SD-45985-100

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