

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0459858453](#)
Status: **Active**
Overview: [EXTreme LPHPower Connectors](#)
Description: EXTreme LPHPower Header, Right-Angle, 8 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:
[3D Model](#)
[3D Model \(PDF\)](#)
[Drawing \(PDF\)](#)
[Product Specification PS-45984-001-001 \(PDF\)](#)
[Packaging Specification PK-45984-001-001 \(PDF\)](#)
[Symbol Footprint Data SYM-45985-8451-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	45985
Application	Board-to-Board, Power
Overview	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
Taxonomy	Board-to-Board Connectors
UPC	822350779692
Physical	
(p)ower-(s)ignal Configuration	8p - 28s
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	Yes
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	11.502/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	2.90mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
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



Series image - Reference only

EU ELV Not Relevant	
EU RoHS Compliant REACH SVHC Not Contained Per - D(2022)4187-DC (10 June 2022) Halogen-Free Status Low-Halogen For more information, please visit Contact US	China RoHS China ROHS ELV RoHS Phthalates
	Green Image Not Relevant Not Contained

Search Parts in this Series
[45985](#) Series

Mates With
[45984](#) EXTreme LPHPower PCB
Receptacles

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	23.0A
Voltage - Maximum	250V AC (RMS)/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	020
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-45984-001-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-800-001
Symbol/Footprint Data	SYM-45985-8451-001

This document was generated on 09/29/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION