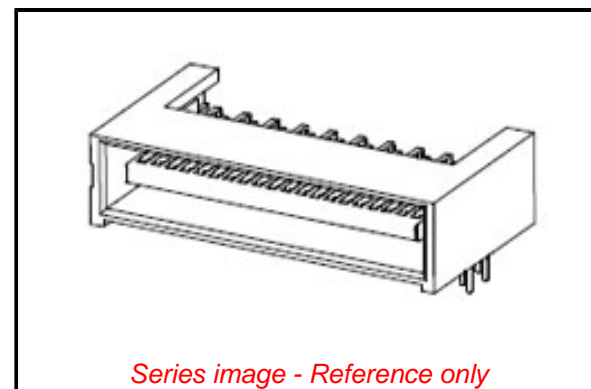


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0459856242](#)
Status: **Active**
Overview: EXTreme LPHPower Connectors
Description: EXTreme LPHPower Header, Right-Angle, 6 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets

Documents:

3D Model	Packaging Specification PK-45984-001-001 (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-45985-6241-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45984-001-001 (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
UPC	822350778244

Physical

(p)ower-(s)ignal Configuration	6p - 24s
Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
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	8.845/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.60mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	2.36mm
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
Surface Mount Compatible (SMC)	Yes

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[45985 Series](#)

Mates With

[45984](#) EXTreme LPHPower PCB
Receptacles

Temperature Range - Operating -40° to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 27.0A
Voltage - Maximum 250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 020
Lead-free Process 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-45985-600-001
Symbol/Footprint Data SYM-45985-6241-001

This document was generated on 10/11/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION