

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0459856412**
Status: **Active**
Overview: EXTreme LPHPower™ Connectors
Description: EXTreme LPH Power™ Header, Right Angle, 6 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:

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

Agency Certification

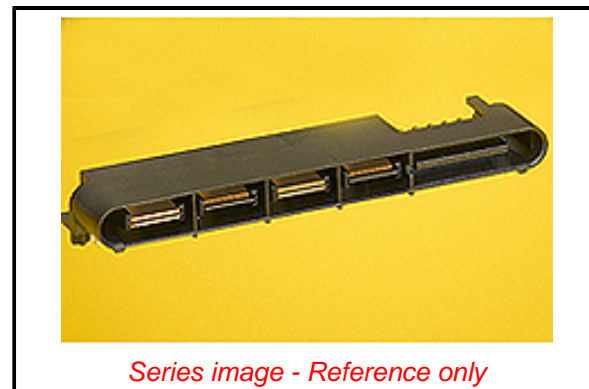
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series 45985
 Application Board-to-Board, Power
 Overview EXTreme LPHPower™ Connectors
 Product Name EXTreme LPHPower™
 UPC 822350778626

Physical

(p)ower-(s)ignal Configuration 6p - 12s
 Breakaway No
 Circuits (Loaded) 18
 Circuits (maximum) 18
 Color - Resin Black
 Durability (mating cycles max) 250
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant 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 8.148/g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 3.60mm
 PCB Locator Yes
 PCB Retention Yes
 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
 Temperature Range - Operating -40°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

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

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

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates Not Contained

Search Parts in this Series

45985 Series

Mates With

45984 EXTreme LPHPower™ PCB
 Receptacles

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	
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-600

This document was generated on 08/03/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION