

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0459841442](#)

Status: **Active**

Overview: EXTreme LPHPower™ Connectors

Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Right Angle, 10 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Posts, with Press-fit Plastic Pegs

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

Agency Certification

CSA LR19980
UL E29179

General

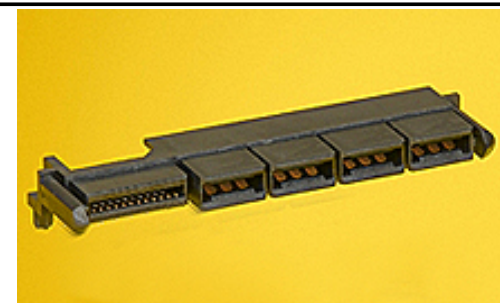
Product Family PCB Receptacles
Series 45984
Application Board-to-Board, Power
Overview EXTreme LPHPower™ Connectors
Product Name EXTreme LPHPower™
UPC 822350773126

Physical

(p)ower-(s)ignal Configuration 10p - 24s
Circuits (Loaded) 34
Circuits (maximum) 34
Color - Resin Black
Durability (mating cycles max) 250
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part Yes
Keying to Mating Part Yes
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 15.176/g
Number of Rows 2
Orientation Right Angle
PC Tail Length 3.60mm
PCB Locator Yes
PCB Retention Yes
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
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 20.0A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2015 June 15): No

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
ELV

China RoHS
Green Image
Not Relevant

Search Parts in this Series

[45984](#) Series

Mates With

[45985](#) EXTreme LPHPower™ Headers, 1.57mm Card Edge

Grounding to PCB	No
Voltage - Maximum	250V AC

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
Sales Drawing	SD-45984-100

This document was generated on 09/02/2015

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Heavy Duty Power Connectors](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[1424439](#) [1424438](#) [09330062652](#) [2-8675P1](#) [605601-1](#) [6340G1](#) [6341G1](#) [6360G1](#) [6373G1](#) [6374g2](#) [6396G1](#) [647757-1](#) [66394-4](#) [6643411-1](#)
[6646058-2](#) [6646137-1](#) [6646138-1](#) [6646348-1](#) [6646479-1](#) [6646608-1](#) [6646786-1](#) [6646940-1](#) [6651091-1](#) [6651525-1](#) [6651529-1](#) [6651778-1](#)
[6651788-1](#) [696465-1](#) [696475-1](#) [73000005059](#) [73000005349](#) [73000005642](#) [73080255059](#) [73080965046](#) [765-15-0080A](#) [765-16-0080B](#)
[789.700-44](#) [789.700-54](#) [80-1010](#) [80-9](#) [827381-1](#) [829992-1](#) [902-77-02113](#) [PL00U-301-10D10](#) [PM103MOOLOO](#) [PM16S1620S32-50](#)
[PM212MOOLOO](#) [PM309FOOLOO](#) [PM324FOOLCH](#) [PMHPAF11S03](#)