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Part Number: 0459846471

Status: Active

Overview: EXTreme LPHPower™ Connectors

Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Right Angle, 6 Power Contacts, 36 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, with Guide Posts, with Press-fit Plastic Pegs

Documents:

3D Model	Packaging Specification PK-45984-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45984-001-001 (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	822350775038
Physical	
(p)ower-(s)ignal Configuration	6p - 36s
Circuits (Loaded)	42
Circuits (maximum)	42
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	10.936/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	4.50mm
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



Series image - Reference only

EU ELV
Not Relevant

EU RoHS Compliant REACH SVHC Not Contained Per - ED/21/2016 (20 June 2016) Halogen-Free Status Low-Halogen	China RoHS
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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
45984 Series

Mates With
45985 EXTreme LPHPower™ Headers,
1.57mm Card Edge

Current - Maximum per Contact	27.0A
Grounding to PCB	No
Voltage - Maximum	250V AC

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

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