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**Part Number:** [1721850016](#)  
**Status:** **Active**  
**Overview:** EXTreme EnergetiC High-Current Connector System  
**Description:** EXTreme EnergetiC Modular Right-Angle Plug Assembly, 4 Power Circuits with Press-Fit Tails, without Guide

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary 1721850000-TS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary 1721850001-TS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-172185-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-172185-0003-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

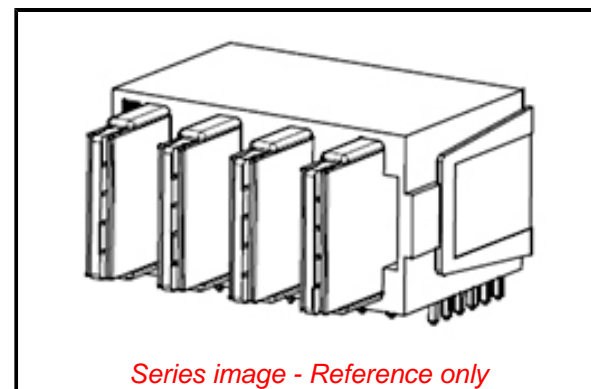
Product Family	PCB Headers
Series	<a href="#">172185</a>
Application	Board-to-Board, Power
Overview	<a href="#">EXTreme EnergetiC High-Current Connector System</a>
Product Name	EXTreme EnergetiC
UPC	889056843195

**Physical**

(p)ower-(s)ignal Configuration	4p - 0s
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	30.728/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	2.71mm
PCB Thickness - Recommended	1.58mm
Packaging Type	Tray
Pitch - Mating Interface	7.65mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	100.0A
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

[172185 Series](#)

**Mates With**

EXTreme EnergetiC PCB Receptacle  
[1721860010](#) , [2049000010](#) , [2049000016](#)

Voltage - Maximum	600V AC/DC
<b>Solder Process Data</b>	
Lead-freeProcess Capability	N/A
<b>Material Info</b>	
<b>Reference - Drawing Numbers</b>	
Packaging Specification	PK-172185-0003-001
Product Specification	PS-172185-0001-001
Sales Drawing	SD-172185-0009-001
Test Summary	1721850000-TS-000, 1721850001-TS-000

This document was generated on 10/21/2020

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