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**Part Number:** [1721850002](#)  
**Status:** **Active**  
**Overview:** EXTreme EnergetiC High-Current Connector System  
**Description:** EXTreme EnergetiC Modular Right-Angle Plug Assembly, 29 Circuits (25 Signal/4 Power) with Solder Tail Mounting, with 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-172185-0004-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

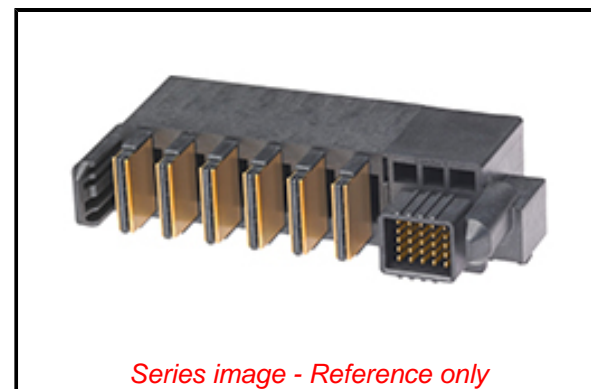
Product Family	PCB Headers
Series	<a href="#">172185</a>
Application	Board-to-Board, Power, Signal
Overview	<a href="#">EXTreme EnergetiC High-Current Connector System</a>
Product Name	EXTreme EnergetiC
UPC	889056334228

**Physical**

(p)ower-(s)ignal Configuration	25s - 4p
Breakaway	No
Circuits (Loaded)	29
Circuits (maximum)	29
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	41.253/g
Number of Rows	5
Orientation	Right Angle
PC Tail Length	2.71mm, 2.74mm
PCB Thickness - Recommended	1.58mm
Packaging Type	Tray
Pitch - Mating Interface	2.00mm, 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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*Series image - Reference only*

**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**

[172185 Series](#)

**Mates With**

EXTreme EnergetiC PCB Receptacle  
[1721860002](#) , [2049000002](#) , [2049000013](#)

Voltage - Maximum 600V AC/DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010  
Lead-free Process Capability SMC&WAVE  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-172185-0004-001  
Product Specification PS-172185-0001-001  
Sales Drawing SD-172185-0001-001  
Test Summary 1721850000-TS-000, 1721850001-TS-000

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