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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:

3D Model	Test Summary 1721850000-TS-000 (PDF)
3D Model (PDF)	Test Summary 1721850001-TS-000 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification PS-172185-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-172185-0004-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

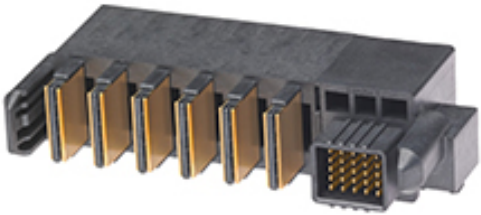
Product Family	PCB Headers
Series	172185
Application	Board-to-Board, Power, Signal
Overview	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	889056334228

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	Green Image
ELV	Not Relevant
RoHS Phthalates	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-freeProcess 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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