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Part Number: [1721860009](#)
Status: **Active**
Overview: EXTreme EnergetiC High-Current Connector System
Description: EXTreme EnergetiC Modular Vertical Receptacle Assembly, 6 Power Circuits with Press-Fit Tails, without Guide

Documents:

3D Model	Packaging Specification PK-172186-0002-001 (PDF)
Drawing (PDF)	Test Summary 1721850000-TS-000 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification PS-172185-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

Application Tooling Part Link	62100-7760
Application Tooling Part Link	62100-7770

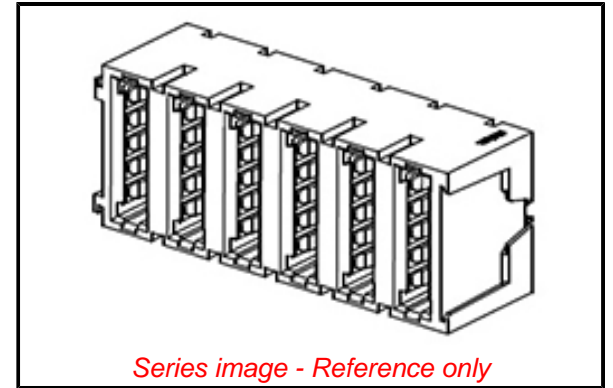
General

Product Family	PCB Receptacles
Series	172186
Application	Board-to-Board, Power
Overview	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	889056254038

Physical

(p)ower-(s)ignal Configuration	6p - 0s
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	200
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	23.637/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	2.83mm
PCB Retention	None
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 - Compliant Pin

Electrical



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

[172186 Series](#)

Mates With

[EXTreme EnergetiC PCB Header
1721850009](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description

Product #

Receptacle Housing	621007760
Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly, 172186 Series	
Removal Tool for EXTreme EnergetiC Vertical Receptacle Terminal	621007770

Current - Maximum per Contact	100.0A
Voltage - Maximum	600V AC/DC

Solder Process Data

Lead-free Process Capability	N/A
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-172186-0002-001
Product Specification	PS-172185-0001-001
Sales Drawing	SD-172186-0009-001
Test Summary	1721850000-TS-000

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