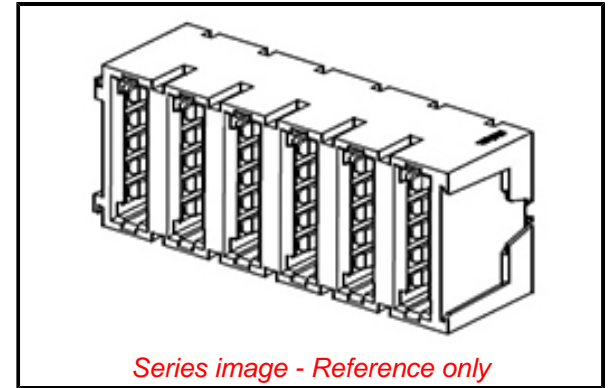


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-172186-0002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 1721850000-TS-000 (PDF)</a>
<a href="#">3D Model (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>



**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	<a href="#">172186</a>
Application	Board-to-Board, Power
Overview	<a href="#">EXTreme EnergetiC High-Current Connector System</a>
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**

**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	<a href="#">621007760</a>
Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly, 172186 Series	
Removal Tool for EXTreme EnergetiC Vertical Receptacle Terminal	<a href="#">621007770</a>

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

This document was generated on 01/03/2022

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