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**Part Number:** [1710980001](#)  
**Status:** **Active**  
**Overview:** EXTreme EnergetiC High-Current Connector System  
**Description:** EXTreme EnergetiC Vertical Receptacle Assembly, 31 Circuits (25 Signal/6 Power) with Press-Fit Tails

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-171098-0100-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-171097-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-171097-1000-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**Application tooling part link**

Application Tooling Part Link 62100-7720  
 Application Tooling Part Link 62100-7730

**General**

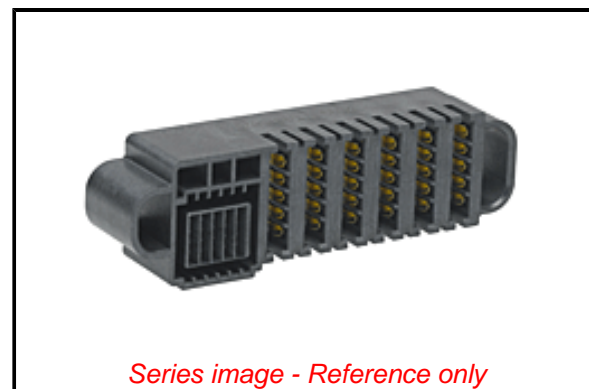
Product Family PCB Receptacles  
 Series [171098](#)  
 Application Board-to-Board, Power, Signal  
 Overview [EXTreme EnergetiC High-Current Connector System](#)  
 Product Name EXTreme EnergetiC  
 UPC 887191569505

**Physical**

(p)ower-(s)ignal Configuration 25s - 6p  
 Circuits (Loaded) 31  
 Circuits (maximum) 31  
 Color - Resin Black  
 Durability (mating cycles max) 200  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Liquid Crystal Polymer  
 Net Weight 26.372/g  
 Number of Rows 5  
 Orientation Vertical  
 PC Tail Length 2.46mm, 2.83mm  
 PCB Retention None  
 PCB Thickness - Recommended 1.58mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.00mm, 6.50mm  
 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**

Current - Maximum per Contact 100.0A



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

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171098 Series](#)

**Mates With**

EXTreme EnergetiC PCB Header [171097](#)

**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="#">621007720</a>
Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly, 171098 Series	
Terminal Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly	<a href="#">621007730</a>

Voltage - Maximum 40V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 040

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-171098-0100-001

Product Specification PS-171097-1000-001

Sales Drawing SD-171098-0001-001

Test Summary TS-171097-0001-001

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