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Part Number: [1710980002](#)
Status: **Active**
Overview: EXTreme EnergetiC High-Current Connector System
Description: EXTreme EnergetiC Vertical Receptacle Assembly, 29 Circuits (25 Signal/4 Power) with Press-Fit Tails

Documents:	
3D Model	Packaging Specification PK-172186-0002-001 (PDF)
3D Model (PDF)	Test Summary TS-171097-0001-001 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification PS-171097-1000-001 (PDF)	RoHS Certificate of Compliance (PDF)

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	887191586748
Physical	
(p)ower-(s)ignal Configuration	25s - 4p
Circuits (Loaded)	29
Circuits (maximum)	29
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	19.568/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	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2020)4578-DC (25 June 2020)	
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
[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	621007720
Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly, 171098 Series	
Terminal Removal	621007730
Tool for EXTreme EnergetiC Vertical Receptacle Assembly	

Voltage - Maximum	40V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	040
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-172186-0002-001
Product Specification	PS-171097-1000-001
Sales Drawing	SD-171098-0001
Test Summary	TS-171097-0001-001

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