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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

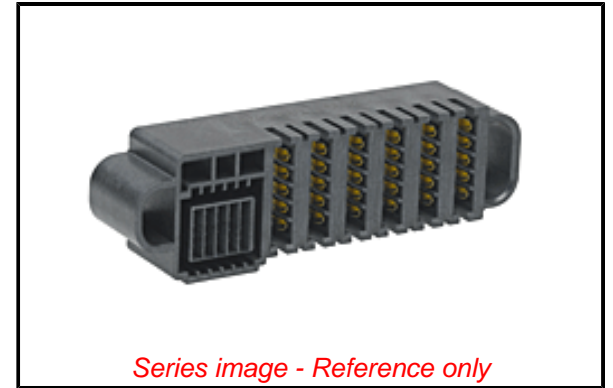
Product Family PCB Receptacles
 Series [171098](#)
 Application Board-to-Board, Power, Signal
 Overview [EXTreme EnergetiC High-Current Connector System](#)
 Product Name EXTreme EnergetiC
 UPC 887191586748

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

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 [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-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-172186-0002-001

Product Specification PS-171097-1000-001

Sales Drawing SD-171098-0001-001

Test Summary TS-171097-0001-001

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