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Part Number: [171097-0001](#)
Status: **Active**
Overview: EXTreme EnergetiC™ High-Current Connector System
Description: EXTreme EnergetiC™ Right-Angle Plug Assembly, 31 Circuits (25 Signal/6 Power) with Solder Tail and Bolt Mounting

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	171097
Application	Board-to-Board, Power, Signal
Overview	<u>EXTreme EnergetiC™ High-Current Connector System</u>
Product Name	EXTreme EnergetiC™
UPC	887191569499

Physical

(p)ower-(s)ignal Configuration	25s - 6p
Breakaway	No
Circuits (Loaded)	31
Circuits (maximum)	31
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	49.611/g
Number of Rows	5
Orientation	Right Angle
PC Tail Length	2.71mm, 2.74mm
PCB Thickness - Recommended	1.58mm
Packaging Type	Tray
Pitch - Mating Interface	2.00mm, 6.50mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	100A
Voltage - Maximum	40V

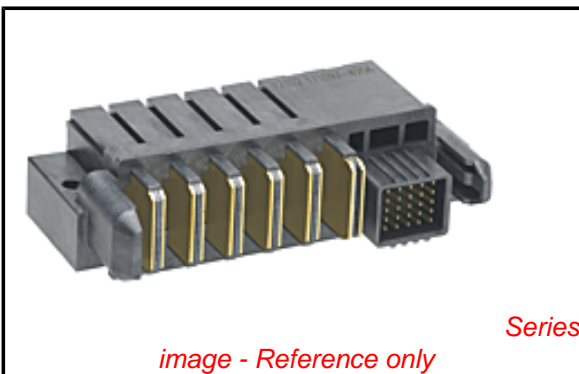
Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-171097-0001
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EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[171097Series](#)

Mates With

[171098](#) EXTreme EnergetiC™ PCB Receptacle

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