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Part Number: [46081-2001](#)
Status: **Active**
Overview: EXTreme PowerMass™ High-Current Connector
Description: EXTreme PowerMass™ 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade), Press Fit, Tail Length 3.07mm

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

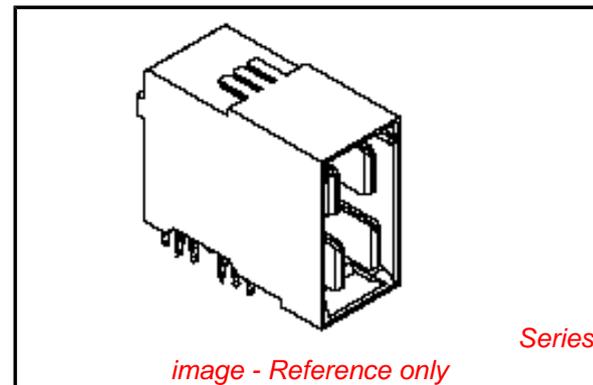
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [46081](#)
 Application Board-to-Board, Power
 Comments Multi Path (Dual 80A) Signal
 Overview [EXTreme PowerMass™ High-Current Connector](#)
 Product Name EXTreme PowerMass™
 UPC 822350852036

Physical

(p)ower-(s)ignal Configuration 4p - 0s
 Breakaway No
 Circuits (Loaded) 4
 Circuits (maximum) 4
 Color - Resin Black
 Durability (mating cycles max) 50
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part No
 Material - Metal Steel
 Material - Plating Mating Gold
 Material - Plating Termination Tin-Lead
 Material - Resin High Temperature Thermoplastic
 Net Weight 21.023g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 3.07mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 2.40mm
 Packaging Type Tray
 Pitch - Mating Interface 6.38mm
 Pitch - Termination Interface 3.00mm, 3.38mm
 Plating min - Mating 0.762µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded Closed Ends
 Stackable No



EU RoHS

Not RoHS Compliant
REACH SVHC
 Not Reviewed
Low-Halogen Status
Not Reviewed

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

[46081Series](#)

Mates With

EXTreme PowerMass™ 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade)

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	160.0A
Voltage - Maximum	600V

Material Info**Reference - Drawing Numbers**

Sales Drawing	SD-46081-100, SD-46081-200
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This document was generated on 04/28/2015

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