

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [46081-1000](#)  
**Status:** **Active**  
**Overview:** [EXTreme PowerMass™](#)  
**Description:** EXTreme PowerMass™ 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade), PC Tail, 0.75µm Select Gold (Au), 2.5µm Tin (Sn), Lead-Free

**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  
 Application Tooling Part Link [622018655](#)  
 Application Tooling Part Link [622023700](#)  
 Comments Multi Path (Dual 80A) Signal  
 Overview [EXTreme PowerMass™](#)  
 Product Name EXTreme PowerMass™  
 UPC 822350852029

**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 Yes  
 Lock to Mating Part No  
 Material - Metal Steel  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 21.023g  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 3.99mm  
 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

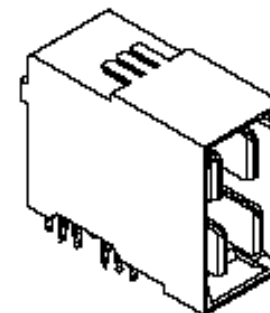


image - Reference only

Series

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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™ [460791000](#) , [460791001](#)

**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 #
Press-In Tool for 150A Right Angle Plug	<a href="#">0622018655</a>
Right Angle Plug Removal Tool	<a href="#">0622023700</a>

Shrouded	Closed Ends
Stackable	No
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	160A
Voltage - Maximum	600V

**Material Info****Reference - Drawing Numbers**

Sales Drawing	SD-46081-100
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