

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

**Part Number:** [0460812010](#)  
**Status:** **Active**  
**Overview:** [EXTreme PowerMass High-Current Connectors](#)  
**Description:** EXTreme PowerMass 6.38mm Pitch, Multi Path Assembly Plug, 160 Amps (4 Blades at 40 Amps per Blade), Press Fit, Tail Length 3.81mm, Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-46081-100-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

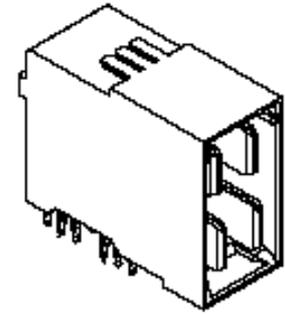
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [46081](#)  
 3D Viewer Yes  
 Application Board-to-Board, Power  
 CURRENT-MAX-NUMERIC 160.0  
 Comments Multi Path (Dual 80A) Signal, Multi Path (Dual 80A) Signal  
 Overview [EXTreme PowerMass High-Current Connectors](#)  
 PITCH-MATING-NUMERIC 6.38  
 Product Name EXTreme PowerMass  
 UPC 800756709765

**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 Capable No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part No  
 Material - Metal Copper-Nickel-Silicon  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 21.023/g  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 3.81mm  
 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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/71/2019 (16 July  
 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[46081 Series](#)

**Mates With**

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

Polarized to PCB	No
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	040
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

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

Packaging Specification	PK-46081-100-001
Sales Drawing	SD-46081-200

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