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Part Number: [0460811000](#)
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, 0.75µm Select Gold (Au), 2.5µm Tin (Sn), Lead-Free

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

Application tooling part link

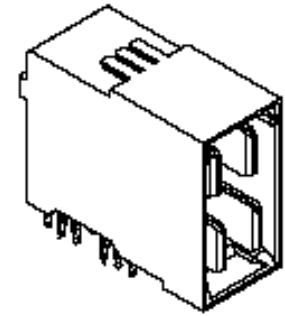
Application Tooling Part Link 62201-8655
 Application Tooling Part Link 62202-3700

General

Product Family PCB Headers
 Series 46081
 Application Board-to-Board, Power
 Comments Multi Path (Dual 80A) Signal
 Overview [EXTreme PowerMass High-Current Connectors](#)
 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 Capable 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 21.023/g
 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 D(2020)9139-DC (19
 Jan 2021)

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), 0.75µm Select Gold (Au), 2.5µm Tin (Sn), Lead-Free

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	622018655
Right-Angle Plug Removal Tool	622023700

Polarized to Mating Part	No
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

Lead-free Process Capability	N/A
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Material Info**Reference - Drawing Numbers**

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

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