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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	Product Specification PS-75431-999-001 (PDF)
Drawing (PDF)	Packaging Specification PK-46081-100-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

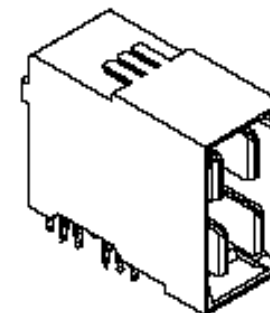
Application Tooling Part Link	62201-8655
Application Tooling Part Link	62202-3700

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
Taxonomy	Board-to-Board Connectors
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

Plating min - Termination	2.540µm
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
Product Specification	PS-75431-999-001
Sales Drawing	SD-46081-100-001

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