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Part Number: 0460812010

Status: Active

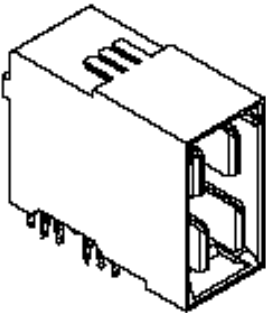
Overview: EXTreme PowerMass™ High-Current Connectors

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 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (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 Connectors
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 Compliant	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
Polarized to PCB	No
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes



Series image - Reference only

EU ELV
Not Relevant

EU RoHS Compliant REACH SVHC Not Contained Per - ED/21/2016 (20 June 2016) Halogen-Free Status Low-Halogen Need more information on product environmental compliance? Email productcompliance@molex.com Please visit the Contact Us section for any non-product compliance questions.	China RoHS China ROHS ELV RoHS Phthalates
	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

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
Solder Process Data	
Duration at Max. Process Temperature (seconds)	040
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-46081-100
Sales Drawing	SD-46081-200

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