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Part Number: [87680-2002](#)
Status: **Active**
Overview: EXTreme PowerPlus™ (SSI)
Description: 6.35mm Pitch, Power, EXTreme PowerPlus™ All Power Receptacle, Press-fit, Vertical, 0.76µm Gold (Au), 4 Circuits, Tin

Documents:

3D Model	Application Specification AS-87631-018 (PDF)
Drawing (PDF)	Application Specification AS-87633-007 (PDF)
Product Specification PS-87680-006 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA LR19980

General

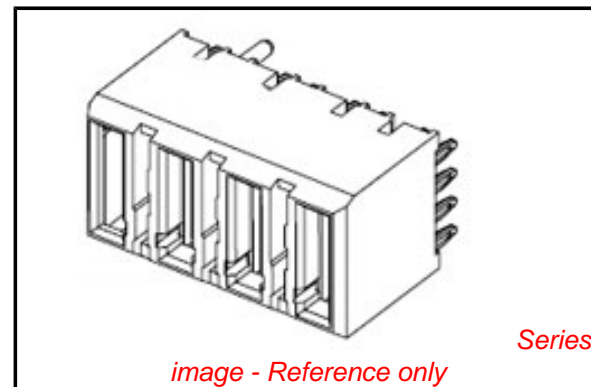
Product Family	PCB Receptacles
Series	87680
Application	Board-to-Board, Power
Comments	Recessed Power Circuit Position: 2, 3, 4
Overview	EXTreme PowerPlus™ (SSI)
Product Name	EXTreme PowerPlus™
UPC	822348519682

Physical

(p)ower-(s)ignal Configuration	4p - 0s
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.430/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.43mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray
Pitch - Mating Interface	6.35mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	30A
Voltage - Maximum	48V



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
 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

87680Series

Mates With

87658 EXTreme PowerPlus™ Header

Material Info

Reference - Drawing Numbers

Application Specification
Product Specification
Sales Drawing

AS-87631-018, AS-87633-007
PS-87680-006
SD-87680-010

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