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**Part Number:** [87682-2003](#)  
**Status:** **Active**  
**Overview:** EXTreme PowerPlus™ (SSI)  
**Description:** 6.35mm Pitch EXTreme PowerPlus™ Header, All Power, Press-fit, Right Angle, 4 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-87631-018 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-87682-009 (PDF)</a>
<a href="#">Product Specification PS-87680-006 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

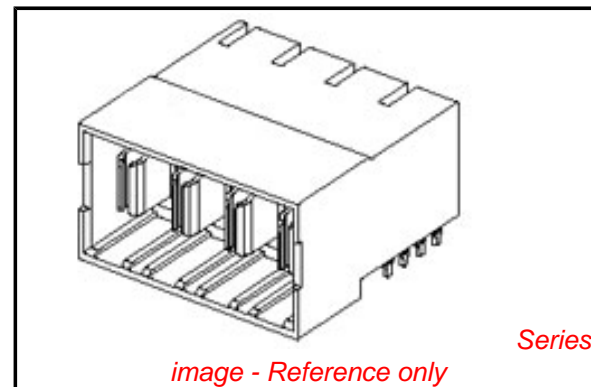
CSA LR19980

**General**

Product Family	PCB Headers
Series	<a href="#">87682</a>
Application	Board-to-Board, Power
Overview	<a href="#">EXTreme PowerPlus™ (SSI)</a>
Product Name	EXTreme PowerPlus™
UPC	822348529353

**Physical**

(p)ower-(s)ignal Configuration	4p - 0s
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	100
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	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	10.632/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.43mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
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	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20°C to +70°C
Termination Interface: Style	Through Hole - Compliant Pin



**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](mailto: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**

[87682Series](#)

**Mates With**

[87691 EXTreme PowerPlus™ all Power Receptacle](#)

**Electrical**

Current - Maximum per Contact 30A  
Voltage - Maximum 50V DC

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

Application Specification AS-87631-018, AS-87682-009  
Product Specification PS-87680-006  
Sales Drawing SD-87682-011

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