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**Part Number:** [0877180003](#)  
**Status:** **Obsolete**  
**Overview:** [sca2](#)  
**Description:** 1.27mm (.050") Pitch SCA-2 Plug, Straddle Mount, Vertical, Lead-free, 80 Circuits, 0.76µm (30µ") Gold (Au) Plating

**Documents:**  
[Drawing \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	87718
Application	Board-to-Board, Signal
Overview	<a href="#">sca2</a>
Product Name	SCA-2

**Physical**

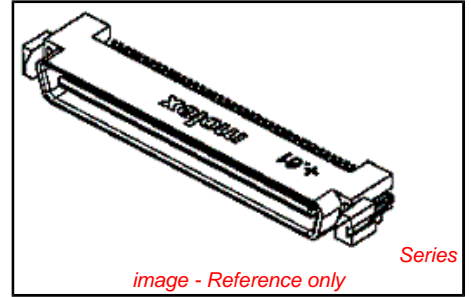
Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	0.61mm (.024")
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	0.80mm (.031")
Packaging Type	Tray
Pitch - Mating Interface	1.27mm (.050")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	3.810µm (150µ")
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Straddle Mount

**Electrical**

Current - Maximum per Contact	1A
Voltage - Maximum	30V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
 Not Reviewed



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**Search Parts in this Series**  
[87718Series](#)

**Mates With**  
[87557](#) SCA-2 Through Hole Right Angle Receptacle, 80 Circuits

Process Temperature max. C

250

**Material Info**

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