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Part Number: [0876890003](#)
Status: **Planned for Obsolescence**
Overview: [sca2](#)
Description: 1.27mm (.050") Pitch SCA-2 Plug, Straddle Mount, Right Angle, Lead-free, 80 Circuits, 0.76µm (30µ") Gold (Au) Plating

Documents:

[3D Model](#) [Product Specification PS-87689-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Headers
 Series [87689](#)
 Application Board-to-Board, Signal
 Overview [sca2](#)
 Product Name SCA-2

Physical

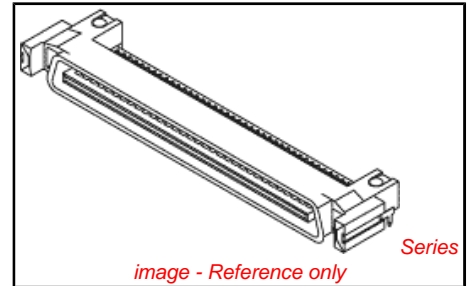
Breakaway No
 Circuits (Loaded) 80
 Circuits (maximum) 80
 Color - Resin Black
 Durability (mating cycles max) 500
 First Mate / Last Break No
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Keying to Mating Part None
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Right Angle
 PCB Locator Yes
 PCB Retention None
 PCB Thickness - Recommended 1.20mm (.047")
 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 1.5A
 Voltage - Maximum 30V

Solder Process Data

Duration at Max. Process Temperature (seconds) 10
 Lead-free Process Capability Reflow Capable (SMT only)
 Max. Cycles at Max. Process Temperature 1



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Low-Halogen Status Not Reviewed</p>	<p>China RoHS</p> 
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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
[87689Series](#)

Mates With
[71743 Vertical Receptacle, 80 Circuits](#)

Process Temperature max. C

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Material Info

Reference - Drawing Numbers

Product Specification

PS-87689-003

Sales Drawing

SD-87689-039

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