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Part Number: [0471199001](#)
Status: **Active**
Overview: [pogo_pins](#)
Description: 4.00mm (.157") Pitch Pogo Pin Connector, SMT, Vertical, 4.00mm (.157") Action Height, 92g Maximum Contact Force, 2 Circuits, Contact 0.30µm (12µ") Gold (Au) Plating

Documents:

[3D Model](#) [Product Specification PS-47119-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	47119
Application	Board-to-Board
Comments	Housing: PA9T
Overview	pogo_pins
Product Name	PoGo Pin

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Durability (mating cycles max)	10,000
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 - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.026 In
PC Tail Length (mm)	0.68 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.394 In
PCB Thickness Recommended (mm)	1.00 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.157 In
Pitch - Mating Interface (mm)	4.00 mm
Pitch - Term. Interface (in)	0.157 In
Pitch - Term. Interface (mm)	4.00 mm
Plating min: Mating (µin)	12
Plating min: Mating (µm)	0.30
Plating min: Termination (µin)	12
Plating min: Termination (µm)	0.30
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

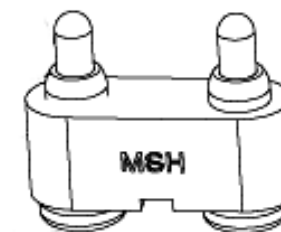


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

47119Series

Electrical

Current - Maximum per Contact

2A

Voltage - Maximum

12V DC

Material Info**Reference - Drawing Numbers**

Product Specification

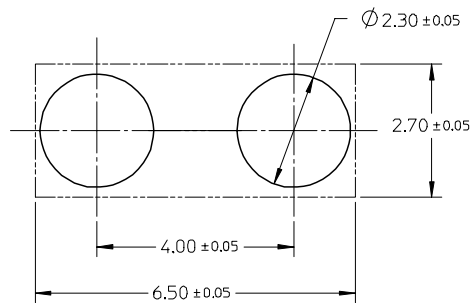
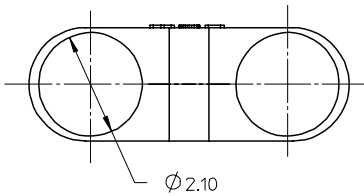
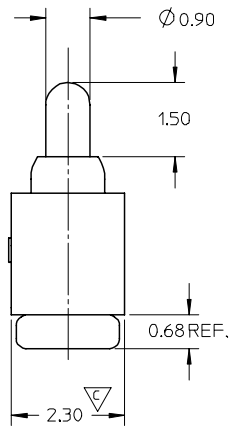
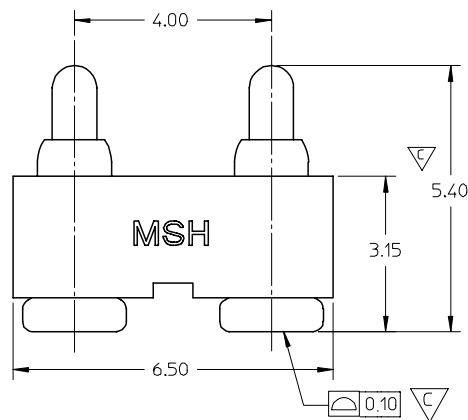
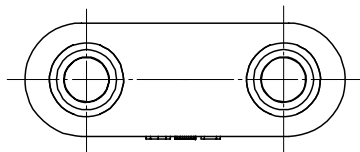
PS-47119-001

Sales Drawing

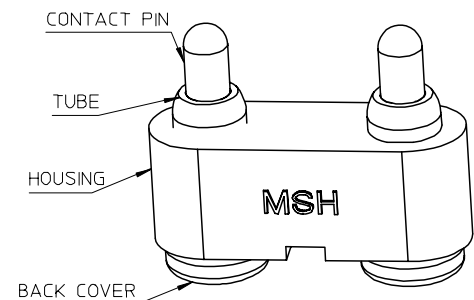
SD-47119-901

This document was generated on 05/26/2010

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RECOMMEND PCB LAYOUT
COMPONENT SIDE



NOTES:

1 MATERIAL:

- 1-1 CONTACT PIN, TUBE, BACK COVER : BRASS
- 1-2 SPRING : STAINLESS-STEEL WIRE
- 1-3 HOUSING : PA9T UL 94V-0, BLACK

2 FINISH:

- 2-1 CONTACT PIN : OVERALL 0.34μm MIN. GOLD OVER 3-54μm NICKEL
- 2-2 SOLDER TERMINAL(BACK COVER) : OVERALL 0.05~0.34μm GOLD OVER 2-4μm NICKEL

3 PRODUCT SPECIFICATION: PS-47119-001

4 MECHANICAL SPECIFICATION:

- 4-1 CONTACT FORCE AT WORKING HEIGHT OF 4.60mm (PER CONTACT) : 63±15g
CONTACT FORCE AT WORKING HEIGHT OF 4.32mm (PER CONTACT) : 75±15g
CONTACT FORCE AT WORKING HEIGHT OF 4.00mm (PER CONTACT) : 92±15g
- 4-2 DURABILITY MATED 10,000 TIMES AND STILL MEET MECHANICAL CHARACTERISTICS

5 ELECTRICAL SPECIFICATION:

- 5-1 RATED VOLTAGE (PER CONTACT) : 12 VOLTS MAX.
- 5-2 RATED CURRENT (PER CONTACT) : 2 AMPS MAX.
- 5-3 CONTACT RESISTANCE: 25 MILLIOHMS MAX.

CHANGE MATERIAL	EC NO:	2007/07/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	DRWN:	YANG13		mm	INCH	MM ONLY	10:1	METRIC	ASSEMBLY 2 PIN POGO PIN CONNECTOR		
	CHKD:			4 PLACES	±---	±---	DRAWN BY	DATE			
	APPR:			3 PLACES	±---	±---	YANG JIAN	2007-06-01			
		2 PLACES	±0.15	±---	CHECKED BY	DATE	MOLEX INCORPORATED				
		1 PLACE	±---	±---	XU XIANG	2007-06-18					
		ANGULAR ±1/2°		APPROVED BY		DATE	MATERIAL NO. 471199001 DOCUMENT NO. SD-47119-901 SHEET NO. 1 OF 1				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JNCHEN		2007-06-18					