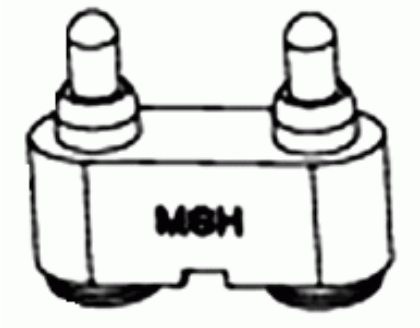
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0471190001
Status: Active
Overview: pogo_pins
Description: 4.00mm (.157") Pitch Pogo Pin Connector, SMT, Vertical, 4.00mm (.157") Action Height, 107g Maximum Contact Force, Contact 0.10µm (4 µ") Gold Plating, 2 Circuits



Series image - Reference only

Documents:

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

General

Product Family	PCB Headers
Series	47119
Application	Board-to-Board
Comments	Housing: Nylon 4/6
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
Mated Height (in)	0.157 In
Mated Height (mm)	4.00 mm
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.157 In
Pitch - Mating Interface (mm)	4.00 mm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	12V DC

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	250

Material Info

Reference - Drawing Numbers

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

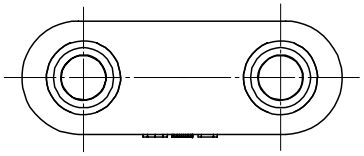
Please visit the Contact Us section for any non-product compliance questions.

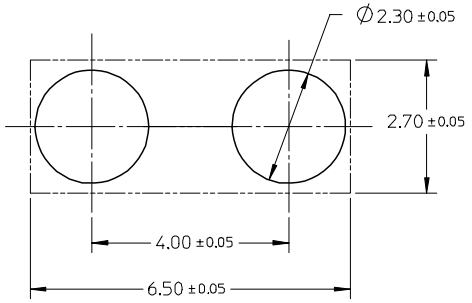
Search Parts in this Series
47119Series

Product Specification	PS-47119-001
Sales Drawing	SD-47119-001

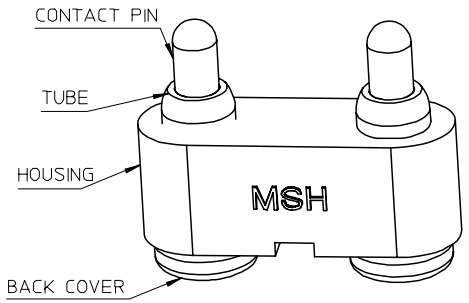
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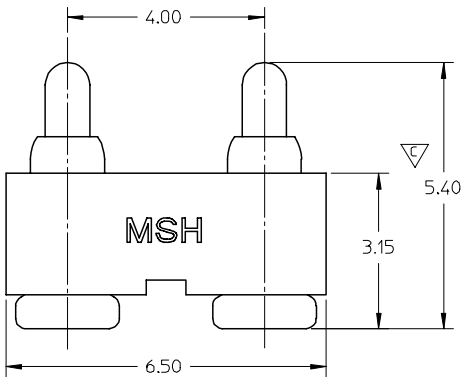
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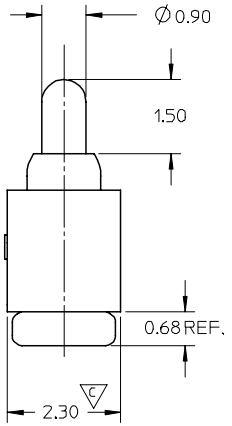


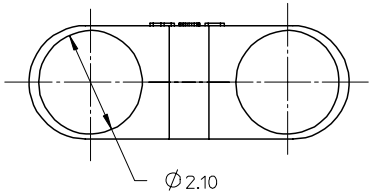


RECOMMEND PCB LAYOUT
COMPONENT SIDE









NOTES:

1 MATERIAL:
- 1-1 CONTACT PIN, TUBE, BACK COVER : BRASS
- 1-2 SPRING : STAINLESS-STEEL WIRE
- 1-3 HOUSING : NYLON 46 UL 94-V0, BLACK

2 FINISH:
- 2-1 CONTACT PIN : OVERALL 1.0μm MIN. GOLD OVER 3~5μm NICKEL
- 2-2 SOLDER TERMINAL(BACK COVER) : OVERALL 0.05~0.3μm 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 PLATING SPEC. 2005/10/17
EC NO: DRWN:XIXU CH'KD: APPR:
D
DESCRIPTION REV

QUALITY SYMBOLS
▼=0
▽C=2

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: XU XIANG DATE: 2005-04-20
CHECKED BY: Y.J WU DATE: 2005-04-20
APPROVED BY: VINCENT DATE: 2005-04-20

TITLE: 2 PIN POGO PIN CONNECTOR

molex MOLEX INCORPORATED

MATERIAL NO.: 471190001
DOCUMENT NO.: SD-47119-001
SHEET NO.: 1 OF 1

SIZE: A3

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