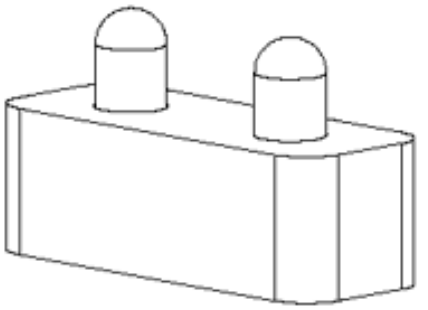
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Part Number: 0473100041
Status: Active
Overview: pogo_pins
Description: 2.50mm (.098") Pitch Pogo Pin Connector, SMT, Vertical, Contact Pin: 1.02µm (40µ") Gold (Au) Plating over 120-200µ" Nickel, with Pick-and-Place Cap, 2 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47310-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	47310
Application	Board-to-Board
Comments	Action Height: 1.80mm (.071")
Overview	pogo_pins
Product Name	PoGo Pin

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Durability (mating cycles max)	2,000
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
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)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Pitch - Term. Interface (in)	0.098 In
Pitch - Term. Interface (mm)	2.50 mm
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	12V DC

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Halogen-Free

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
47310Series

Solder Process Data

Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

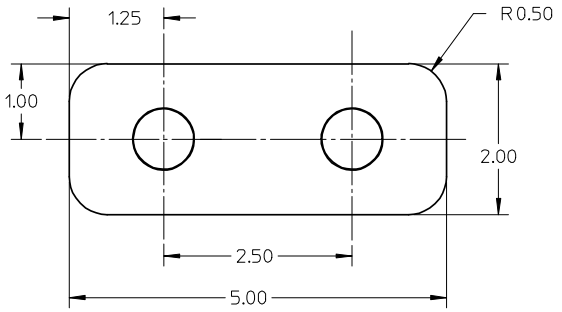
Material Info

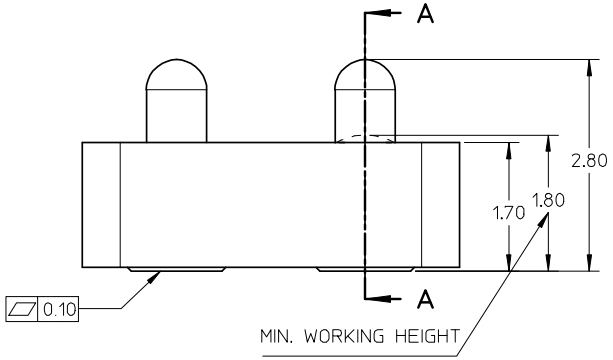
Reference - Drawing Numbers

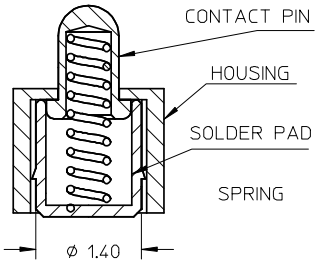
Product Specification	PS-47310-001
Sales Drawing	SD-47310-001

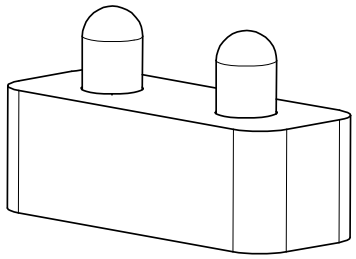
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NOTES:

1 MATERIAL:
- 1-1 CONTACT PIN : COPPER ALLOY
- 1-2 SOLDER PAD : COPPER ALLOY
- 1-4 SPRING : SWP-B, PIANO WIRE OR EQUIVALENT
- 1-5 HOUSING :
  - 473100001 : NYLON 46 UL 94-V0, BLACK
  - 473100041 : NYLON 9T, UL 94-V0, MEDIUM GRAY

2 FINISH:
- SOLDER PAD : OVERALL 2~12μ" MIN. GOLD OVER 50~250μ" MIN. NIKEL
- SPRING : OVERALL 4μ" MIN. GOLD OVER 50μ" MIN. NIKEL

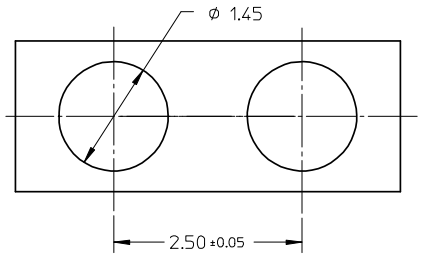
3 MECHANICAL SPECIFICATION:
- 3-1 SPRING FORCE : 50g MIN @ 0.45mm DEFLECTION, 80g MIN @ 0.70mm DEFLECTION
- 3-2 DURABILITY : 2,000 cycles
- 3-3 MAX. STROKE : 1.00 mm
- 3-4 USE RETURN FORCE AS SPRING FORCE

4 ELECTRICAL SPECIFICATION :
- 4-1 RATING VOLTAGE : 12V RMS
- 4-2 RATING CURRENT : 1A MAX.
- 4-3 CONTACT RESISTANCE : 30 mOhms MAX.

5 PRODUCT SPECIFICATION : PS-47310-001

6 APPLICATION : SPEAKER CONNECTOR

7 PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.



RECOMMENDED PCB LAYOUT
COMPONENT SIDE

473100041	CONTACT PIN : 40μ" GOLD PLATING OVER 120~200μ" NICKEL
473100001	CONTACT PIN : OVERALL 12μ" MIN. GOLD OVER 50~250μ" NICKEL

CHANGE RAW MATERIAL OF HSG
EC NO: SH2008-0278 2008/01/16
DRWN: JYANG13
CHKD:
APPR:
DESCRIPTION
C
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

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: CYZHU DATE: 2006/04/19
CHECKED BY: DATE:
APPROVED BY: JNCHEN DATE: 2006/06/05

TITLE: ASSEMBLY
2 PIN POGO CONNECTOR

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47310-001
SHEET NO.: 1 OF 1
SIZE: A3

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