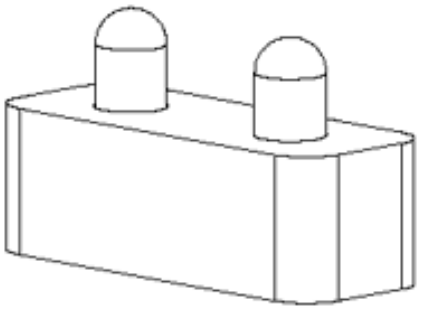
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Part Number: 0473100001
Status: Active
Overview: pogo_pins
Description: 2.50mm (.098") Pitch Pogo Pin Connector, SMT, Vertical, Contact Pin: 0.30µm (12µ") Gold (Au) Plating over 50-100µ" Nickel, with Pick-and-Place Cap, 2 Circuits



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
PC Tail Length (in)	0.002 In
PC Tail Length (mm)	0.50 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)	0.984 In
Pitch - Mating Interface (mm)	2.50 mm
Pitch - Term. Interface (in)	0.984 In
Pitch - Term. Interface (mm)	2.50 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
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	Through Hole

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

China RoHS
50
Pb

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

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

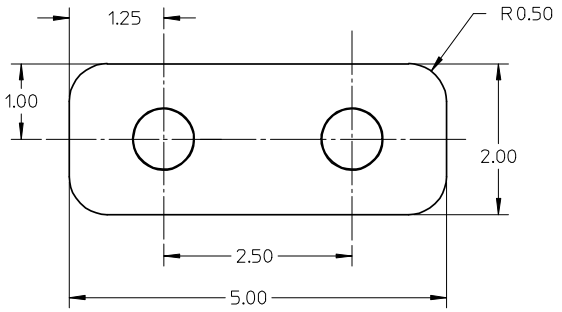
Material Info

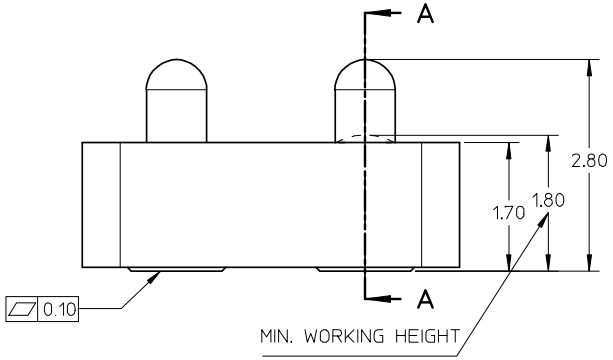
Reference - Drawing Numbers

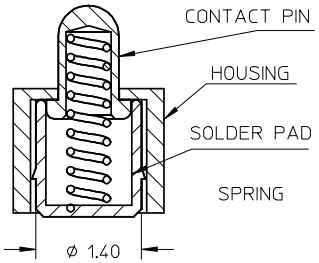
Packaging Specification	PK-47310-001
Product Specification	PS-47310-001
Sales Drawing	SD-47310-001

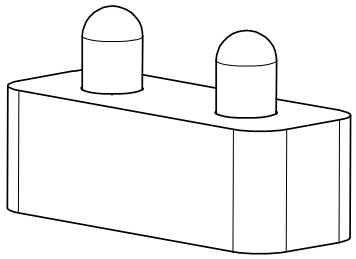
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NOTES:

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

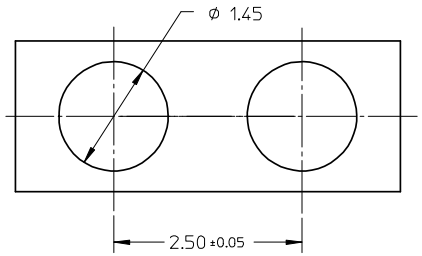
3 MECHANICAL SPECIFICATION:
- 3-1 SPRING FORCE : 50g MIN @ 0.45mm DEFLECTION, 80g MIN @ 0.70mm DEFLECTION
- 3-2 DURABILITY : 2,000 cycles
- 3-3 MAX. STROKE : 1.00 mm
- 3-4 USE RETURN FORCE AS SPRING FORCE

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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