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Part Number: [0470380001](#)
Status: **Active**
Overview: [pogo_pins](#)
Description: 4.00mm (.157") Pitch Pogo Speaker Connector, Height: 2.20mm (.087"), Overall 0.10µm (4µ") Gold over 1.27µm Nickel Plating, 2 Circuits

Documents:

[3D Model](#) [Product Specification PS-47038-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Headers
Series [47038](#)
Application Board-to-Board
Comments Action Height: 1.65mm (.065")
Overview [pogo_pins](#)
Product Name PoGo Pin

Physical

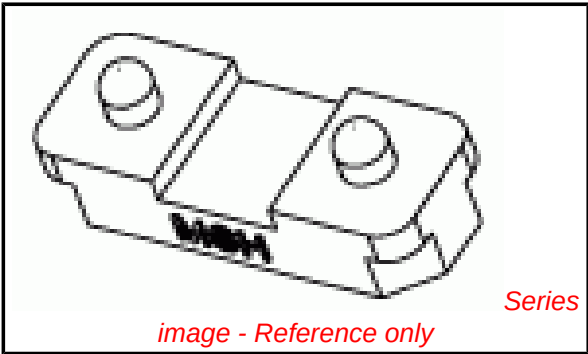
Breakaway No
Circuits (Loaded) 2
Circuits (maximum) 2
Durability (mating cycles max) 2,000
First Mate / Last Break No
Glow-Wire Compliant No
Guide to Mating Part Yes
Keying to Mating Part None
Lock to Mating Part None
Mated Height (in) 0.079 In
Mated Height (mm) 2.00 mm
Material - Plating Mating Gold
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
Plating min: Mating (µin) 4
Plating min: Mating (µm) 0.10
Plating min: Termination (µin) 4
Plating min: Termination (µm) 0.10
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 12V

Material Info

Reference - Drawing Numbers



EU RoHS

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

Not Reviewed

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.

China RoHS



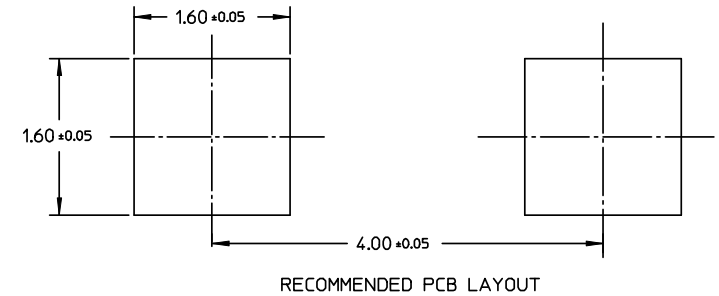
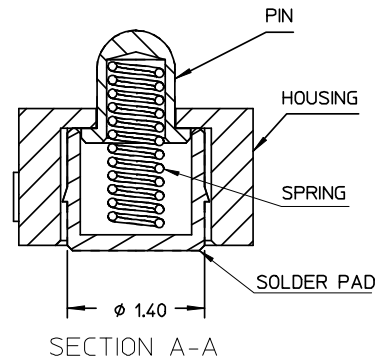
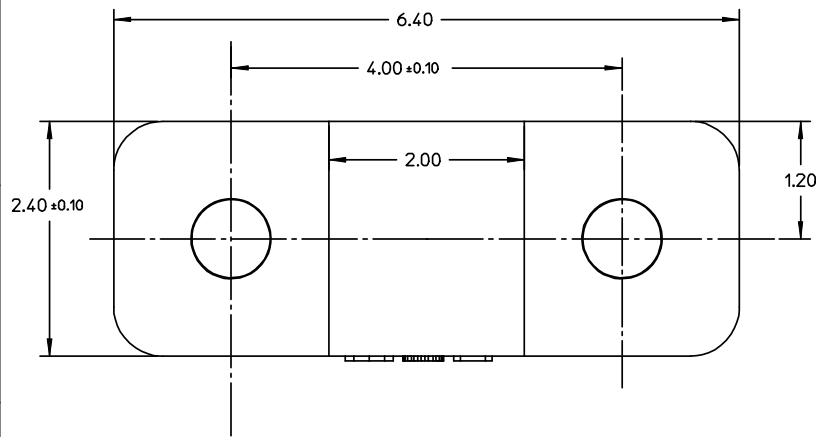
Search Parts in this Series
[47038Series](#)

Packaging Specification
Product Specification
Sales Drawing

PK-47038-001
PS-47038-001
SD-47038-001

This document was generated on 05/26/2010

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NOTES:

1 MATERIAL:

1-1 PIN & SOLDER PAD : COPPER ALLOY

1-2 SPRING : SWP-B, PIANO WIRE OR EQUIVALENT

1-3 HOUSING :

470380001 : NYLON 46 UL 94-V0, BLACK

470380041 : NYLON 9T, UL 94-V0, MEDIUM GRAY

2 FINISH:

SOLDER PAD & SPRING : OVERALL 0.1 Micron MIN. GOLD
OVER 1.27 Micron NICKEL

3 MECHANICAL SPECIFICATION:

3-1 SPRING FORCE : 1.0N±0.15N @ 0.55mm DEFLECTION/PIN

3-2 PRELOAD : 0.48N/PIN MIN.

3-2 DURABILITY : 2,000 cycles

4 ELECTRICAL SPECIFICATION :

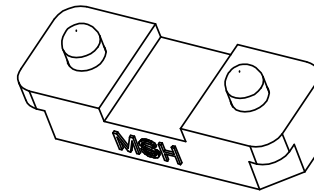
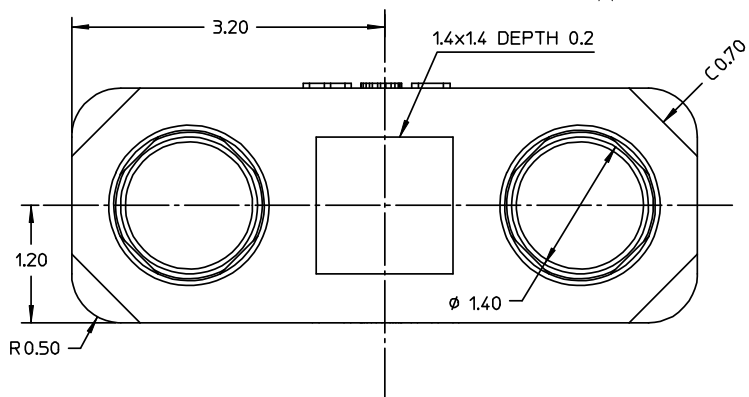
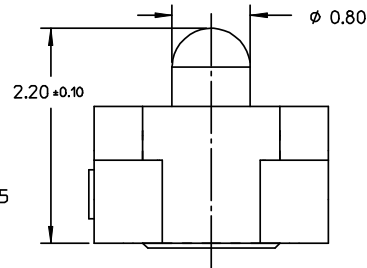
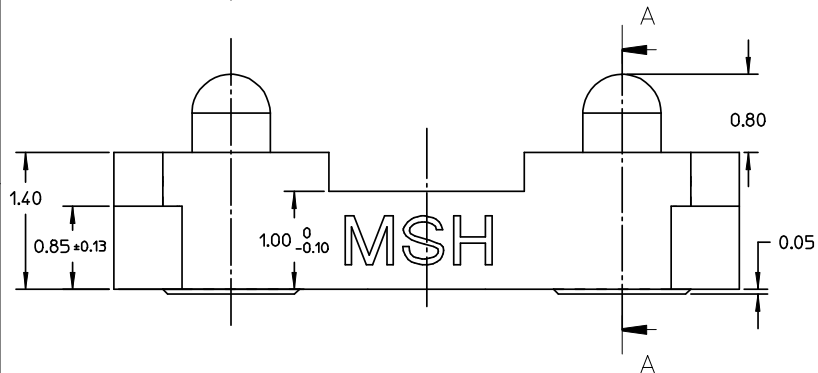
4-1 RATING VOLTAGE : 12V RMS

4-2 RATING CURRENT : 0.5A MAX.

4-3 CONTACT RESISTANCE : 200 mOhms MAX @ 0.55mm DEFLECTION

5 PRODUCT SPECIFICATION : PS-47038-001

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



470380041	CONTACT PIN : OVERALL 1 Micron MIN. GOLD OVER 3~5 Micron NICKEL
470380001	CONTACT PIN : OVERALL 0.1 Micron MIN. GOLD OVER 1.27 Micron NICKEL

CHANGE RAW MATERIAL OF HSG EC NO: SH2008-0278 DRAWN: JYANG13 2008/01/16 CHKD: YLZHU02 2008/01/21 APPR: HWANG 2008/02/04	DESCRIPTION	QUALITY SYMBOLS ▽ - 0 ▽ - 3	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
				20:1	METRIC					
				DIMENSION STYLE		TITLE SALES DRAWING 2 PIN POGO SPEAKER CONN.				
				MM ONLY						
				DRAWN BY	DATE					
				XU XIANG	2004-02-25					
				CHECKED BY		DATE	MOLEX MOLEX INCORPORATED			
				JLU		2004-02-25				
				APPROVED BY		DATE				
				SHUANG		2004-02-25	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			SEE TABLE	SD-47038-001	1 OF 1					
DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				B		