

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0470380041

Status:

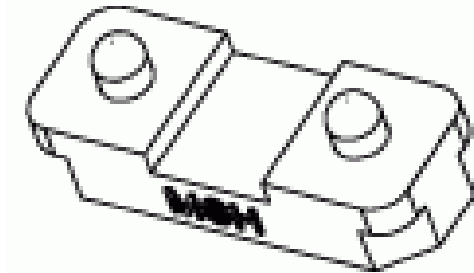
Active

Overview:

pogo_pins

Description:

4.00mm (.157") Pitch Pogo Speaker Connector, Height: 2.20mm (.087"), Overall 1.0µm (40µ") Gold over 3-5µm Nickel Plating, 2 Circuits



Series

image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47038-001 (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
Pitch - Term. Interface (in)	0.157 In
Pitch - Term. Interface (mm)	4.00 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
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	0.5A
Voltage - Maximum	12V DC

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

47038Series

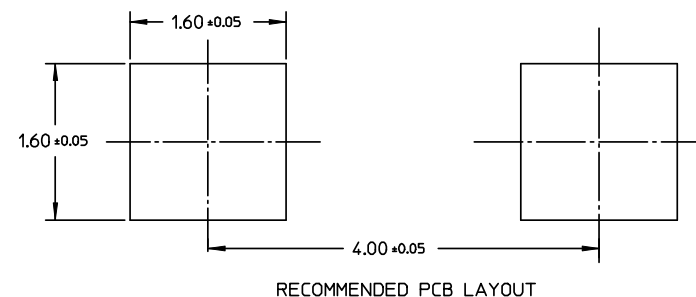
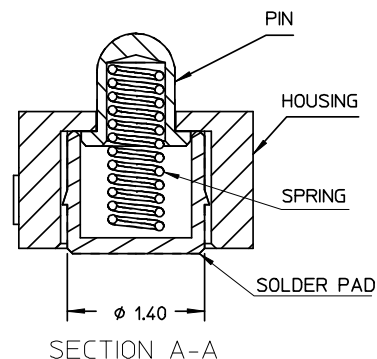
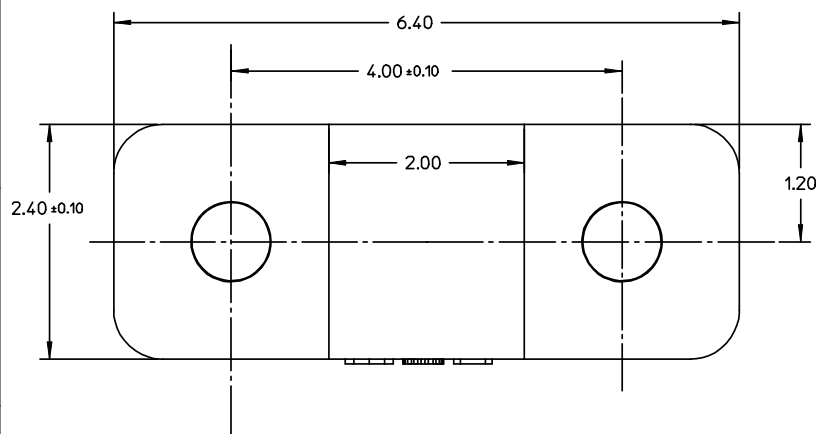
Material Info

Reference - Drawing Numbers

Product Specification	PS-47038-001
Sales Drawing	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 :

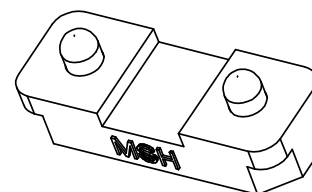
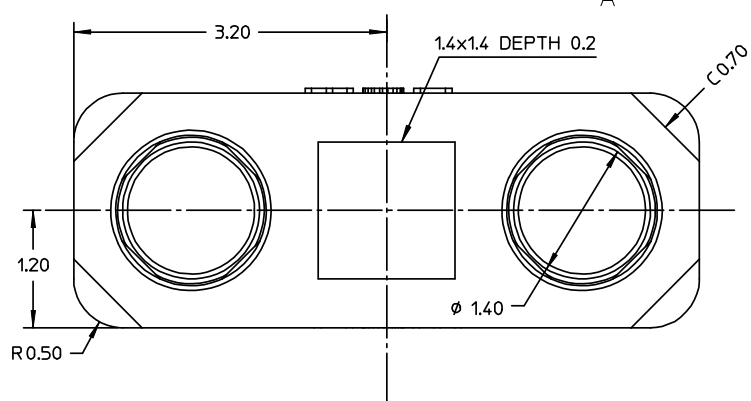
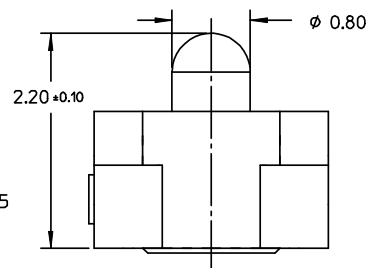
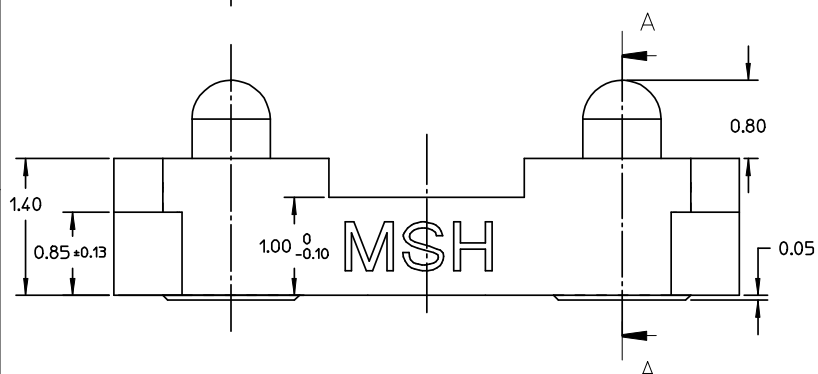
4-1 RATING VOLTAGE : 12V RMS

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 IDRWN: JYANGT3 2008/01/16 CHKD: YLZHUO2 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
				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.
DRAFT WHERE APPLICABLE		SEE TABLE	SD-47038-001	1 OF 1						
MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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