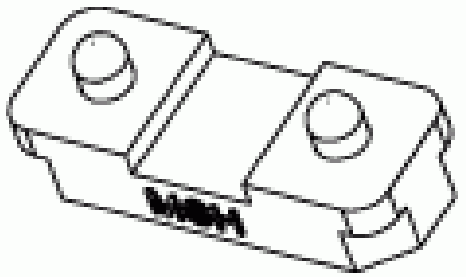
molex
one company > a world of innovation

This document was generated on 05/26/2010

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



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

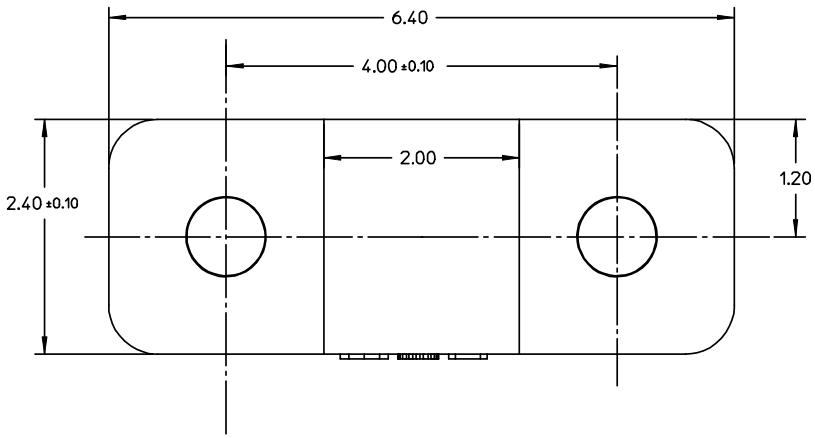
Material Info

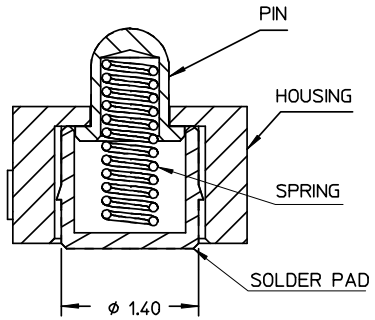
Reference - Drawing Numbers

Product Specification	PS-47038-001
Sales Drawing	SD-47038-001

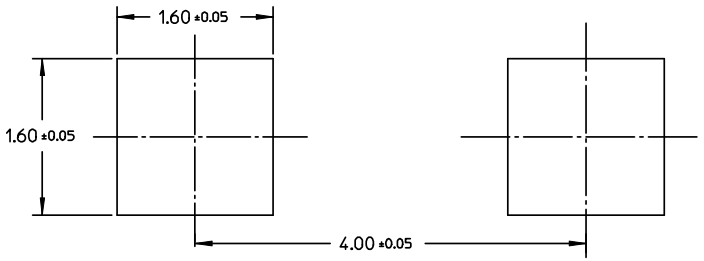
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

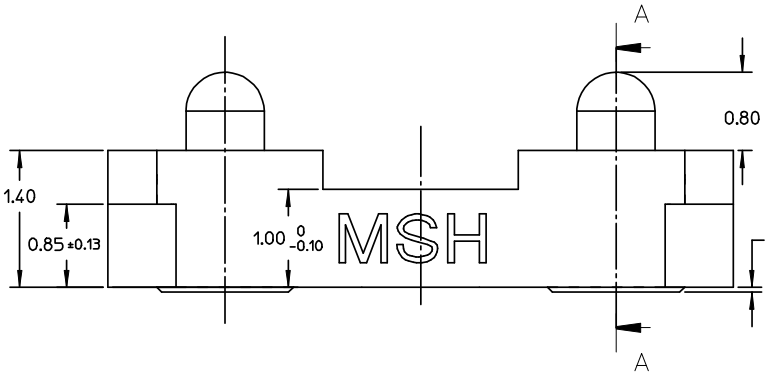


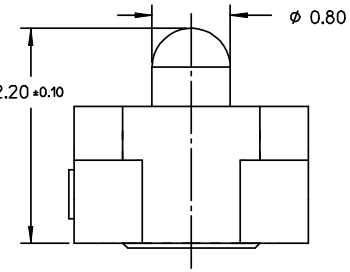


SECTION A-A

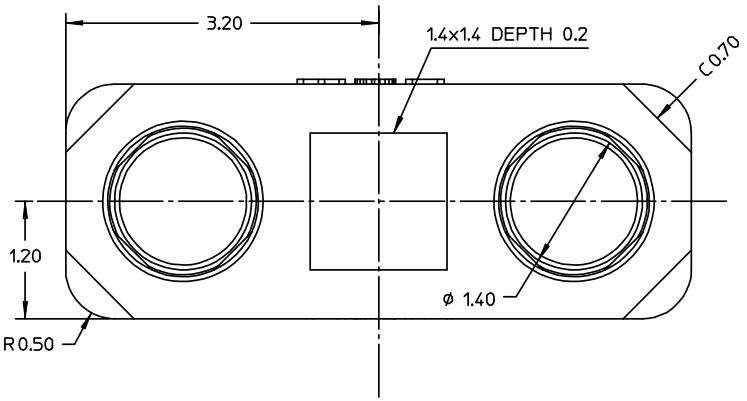


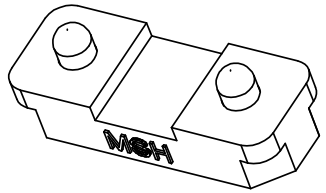
RECOMMENDED PCB LAYOUT





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 2008/01/16
DRWN: JYANG13 2008/01/21
CHKD: YLZHU02 2008/02/04
APPR: HWWANG
DESCRIPTION
REV

QUALITY SYMBOLS
▼ = 0
▽C = 3

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 20:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY XU XIANG DATE 2004-02-25
CHECKED BY JLU DATE 2004-02-25
APPROVED BY SHUANG DATE 2004-02-25
MATERIAL NO. SEE TABLE
DOCUMENT NO. SD-47038-001
SHEET NO. 1 OF 1

TITLE
SALES DRAWING
2 PIN POGO SPEAKER CONN.

MOLEX INCORPORATED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

B