

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0473370001](#)
Status: **Active**
Description: Camera Socket for Mobile Phone, Top Mount, SMT, Side Contact Type, 8.5x8.5

Documents:

[3D Model](#) [Product Specification PS-47337-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Other Sockets
Series	47337
Component Type	Socket
Product Name	Camera Socket

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30
Entry Angle	Vertical
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Retention	N/A
PCB Thickness Recommended (in)	0.020 In
PCB Thickness Recommended (mm)	0.50 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.035 In
Pitch - Mating Interface (mm)	0.90 mm
Pitch - Term. Interface (in)	0.035 In
Pitch - Term. Interface (mm)	0.90 mm
Plating min: Mating (µin)	12
Plating min: Mating (µm)	0.3
Plating min: Termination (µin)	3
Plating min: Termination (µm)	0.075
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V DC

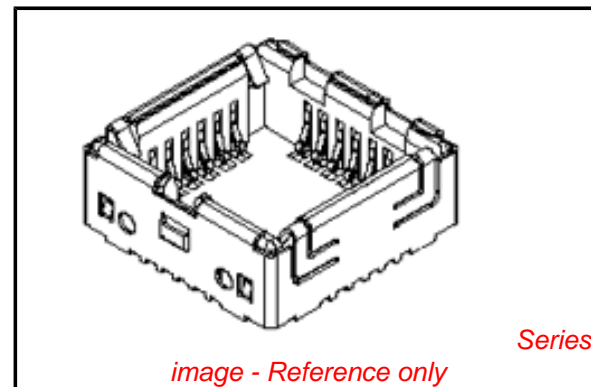
Solder Process Data

Duration at Max. Process Temperature (seconds)	10
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-47337-001
Sales Drawing	SD-47337-001



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
 Not Reviewed
**Halogen-Free
Status**
Not Reviewed

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

[47337Series](#)

Mates With

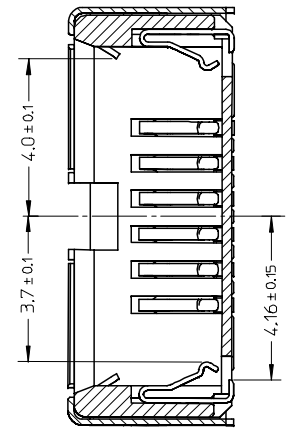
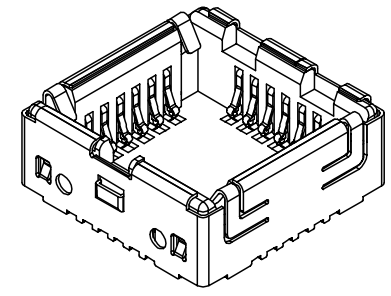
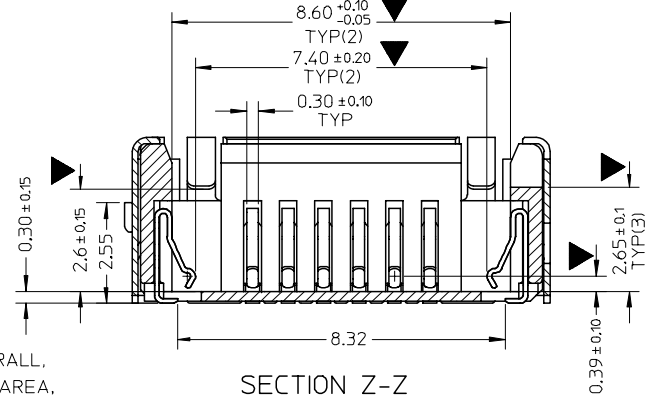
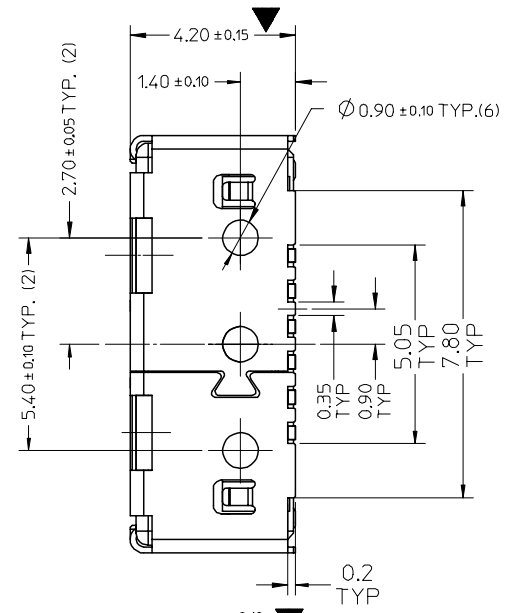
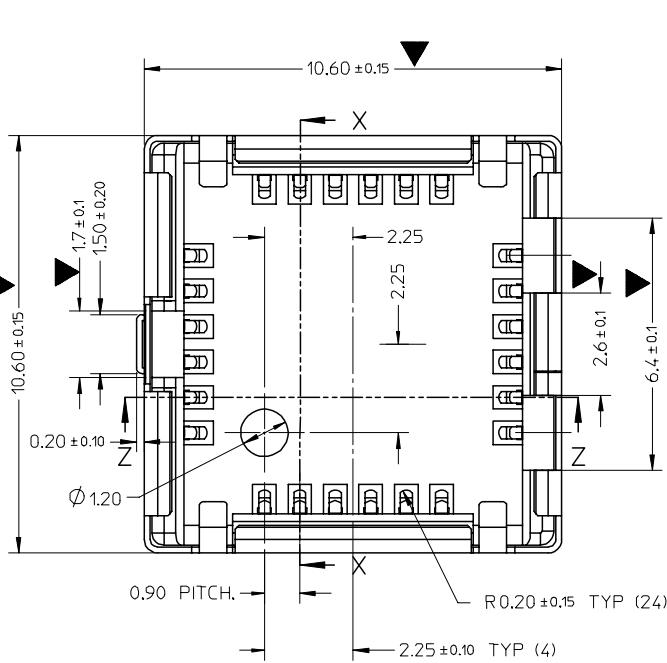
[Camera Module](#)

Use With

[47337-0005 Cap](#)

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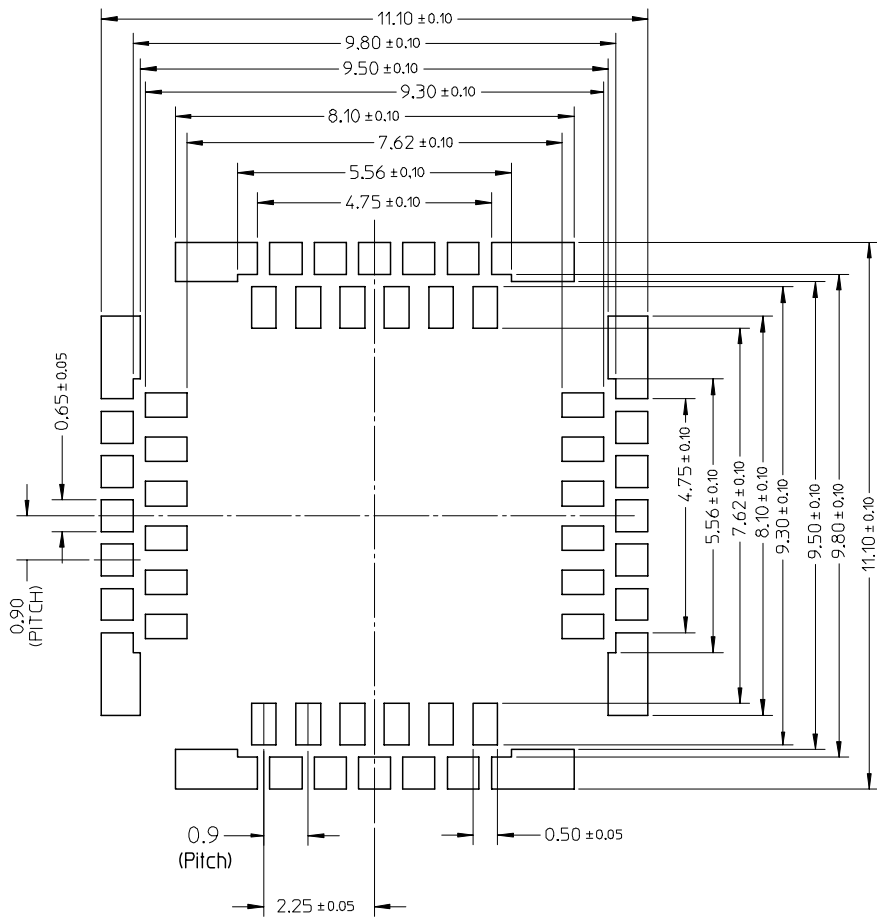


SECTION X-X

- NOTES:
- MATERIALS
HOUSING: POLYAMIDE, BLACK, UL94 V-0
TERMINAL: COPPER ALLOY.
SHELL: COPPER ALLOY.
TOP SHIELD: STAINLESS STEEL
 - FINISH
TERMINAL: 2-4 MICROMETER NICKEL UNDERPLATING OVERALL,
GOLD PLATING 0.3 MICROMETER ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA.
SHELL: 2-4 MICROMETER NICKEL UNDERPLATING OVERALL,
GOLD FLASH PLATING ON SOLDER AREA.
 - PRODUCT SPECIFICATION: PS-47337-001
 - PAKAGING: TAPE&REEL
 - COPLANALITY TO BE 0.10MM MAX.
 - APPLICABLE TOP COVER 473370005.
 - APPLICABLE CAMERA MODULE SEE SHEET 3.
 - THE DRAWING EDITION 9 WILL MEET TOM LU'S DRAWING EDITON S6

SECTION Z-Z

RELEASE EC NO: 2006/06/16 DRWN: IHE 2006/06/23 CHKD: XIXU 2006/06/26 APPR: JNCHEN 2006/06/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																		
	▽=12 ▽=0	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.10</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.15</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± 1 °</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.10	± ---	1 PLACE	± 0.15	± ---	ANGULAR ± 1 °			MM ONLY	8:1	METRIC	
		mm	INCH																					
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ANGULAR ± 1 °																								
DESCRIPTION	DRAWN BY	DATE	TITLE	MOLEX INCORPORATED SD-47337-001 SHEET NO. 1 OF 3																				
REV	IVAN HE	2006/06/16	8.5*8.5 CAMERA SOCKET SMT.SIDE CONTACT TYPE TOP MOUNT																					
	APPROVED BY	DATE	MATERIAL NO.																					
	JENNY CHEN	2006/06/16	473370001																					
	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																				



RECOMMENDED PCB LAYOUT

RELEASE	2006/06/16
EC NO:	2006/06/23
DRWN: IHE	2006/06/23
CHKD: XIXU	
APPR: JNCHEN	2006/06/26
REV	DESCRIPTION
A	

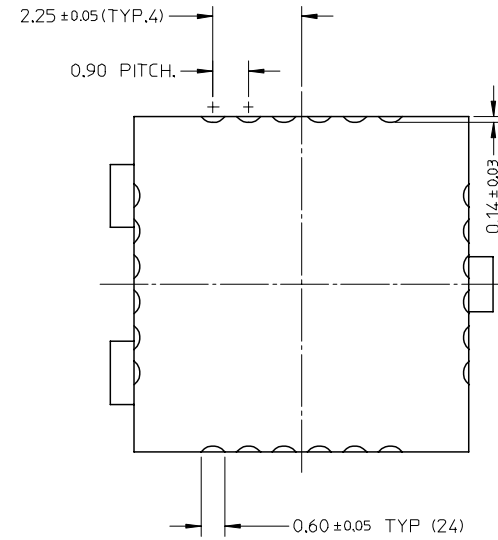
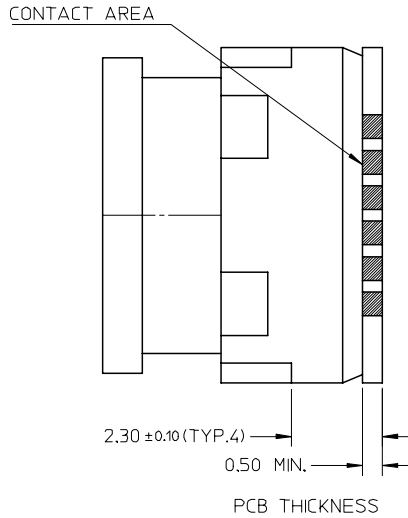
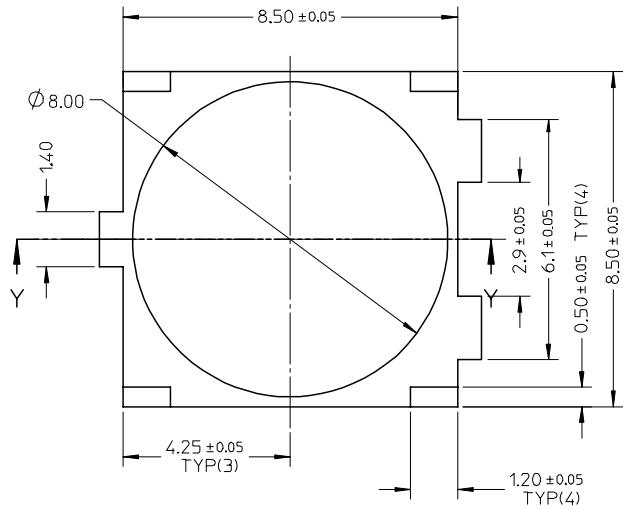
QUALITY SYMBOLS	▽=0
	∇=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.15	± ---
ANGULAR ± 1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

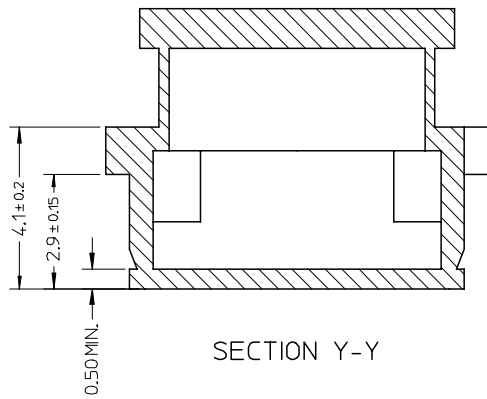
DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		10:1	METRIC	
DRAWN BY	DATE	TITLE		
IVAN HE	2006/06/16	8.5*8.5 CAMERA SOCKET SMT.SIDE CONTACT TYPE TOP MOUNT		
CHECKED BY	DATE			
XIXU	2006/06/16	MOLEX INCORPORATED		
APPROVED BY	DATE			
JENNY CHEN	2006/06/16	MATERIAL NO. 47337-0001		
DOCUMENT NO. SD-47337-001				
SHEET NO. 2 OF 3				

MATERIAL NO. 47337-0001		DOCUMENT NO. SD-47337-001	SHEET NO. 2 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

APPLIED CAMERA MODULE



FOR PCB (PTH)



SECTION Y-Y

RELEASE EC NO: DRWN: IHE CHKD: XIXU APPR: JNCHEN	2006/06/16 2006/06/23 2006/06/26	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			$\nabla=0$ $\sphericalangle=0$	mm INCH	MM ONLY	8:1	METRIC	
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.15 ± ---	DRAWN BY DATE IVAN HE 2006/06/16 CHECKED BY DATE XIXU 2006/06/16 APPROVED BY DATE JENNY CHEN 2006/06/16	TITLE	MOLEX INCORPORATED		
			ANGULAR ± 1 °	MATERIAL NO. 47337-0001	DOCUMENT NO. SD-47337-001	SHEET NO. 3 OF 3		
A			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

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