

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0473370200](#)  
**Status:** **Active**  
**Description:** Camera Socket for Mobile Phone, Top Mount, SMT, Side Contact Type, 8.5x8.5, LCP Housing, Lead free

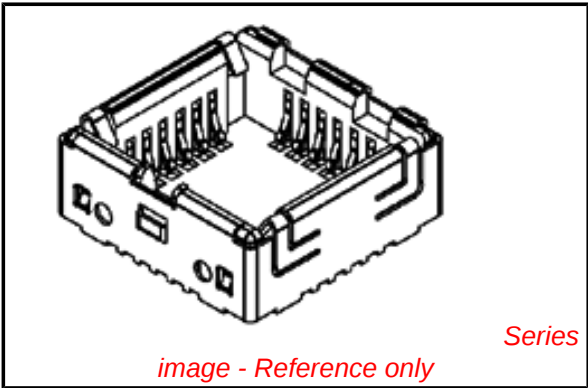
**Documents:**  
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

| General                        |                                |
|--------------------------------|--------------------------------|
| Product Family                 | Other Sockets                  |
| Series                         | <a href="#">47337</a>          |
| 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               | Copper Alloy                   |
| 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 |

**Material Info**

| Reference - Drawing Numbers |              |
|-----------------------------|--------------|
| Sales Drawing               | SD-47337-200 |



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

**China RoHS**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

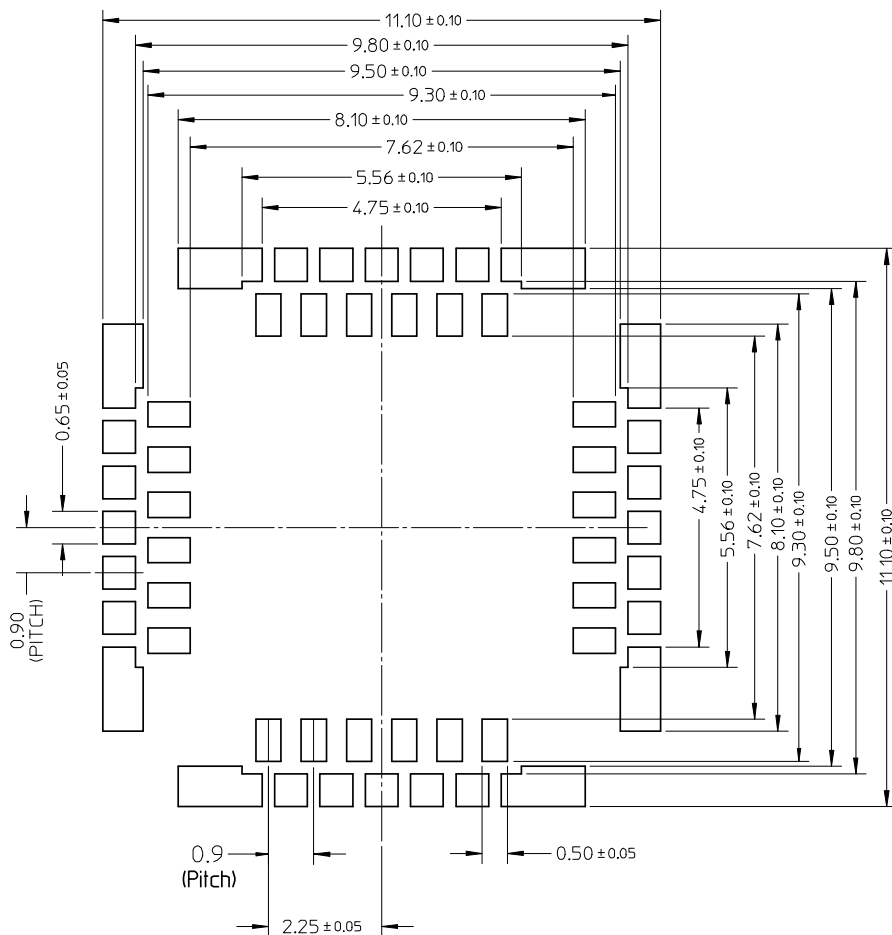
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[47337Series](#)

**Mates With**  
Camera Module

**Use With**  
[47337-0005](#) Cap

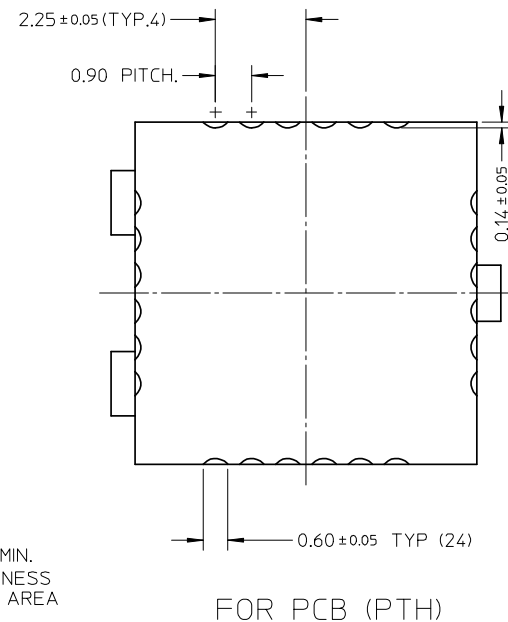
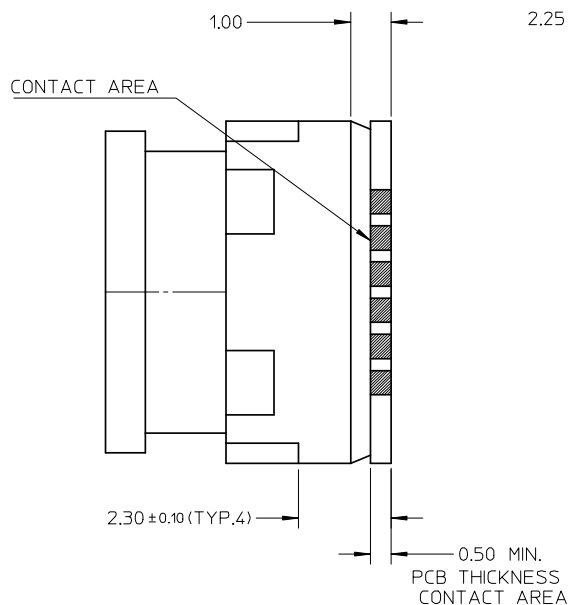
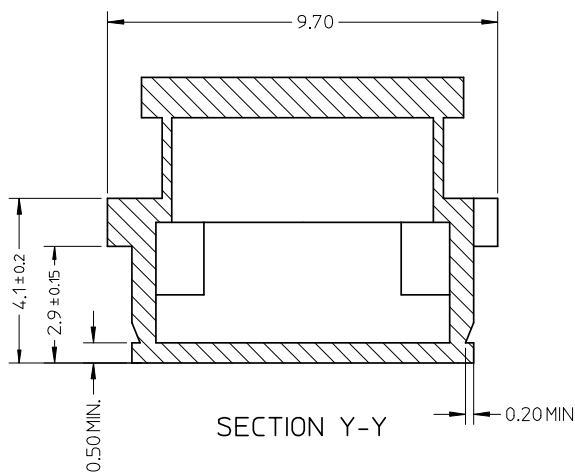
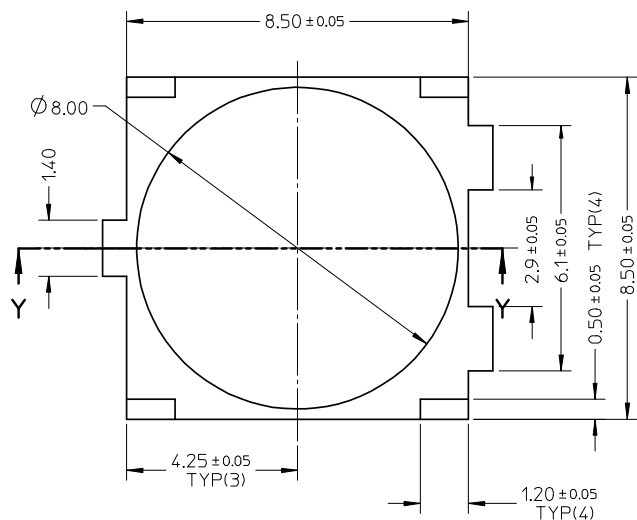




RECOMMENDED PCB LAYOUT

|                                                                                                                 |             |                                   |                                                         |          |        |                                                                                                                               |             |                                                                                                          |                        |                                                                                                              |                     |
|-----------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|---------------------------------------------------------|----------|--------|-------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|---------------------|
| RELEASE<br>EC NO: SH2008-0426<br>2008/02/28<br>DRWN:MSH<br>2008/03/03<br>CHKD:YLZHU<br>2008/03/13<br>APPR:HWANG | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                   |          |        | DIMENSION STYLE<br>MM ONLY                                                                                                    |             | SCALE<br>10:1                                                                                            | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |                     |
|                                                                                                                 |             |                                   | 4 PLACES                                                | mm       | INCH   | DRAWN BY                                                                                                                      | DATE        | TITLE<br>8.5*8.5 CAMERA SOCKET<br>SMT.SIDE CONTACT TYPE<br>SMT.SIDE CONTACT TYPE                         |                        |                                                                                                              |                     |
|                                                                                                                 |             |                                   |                                                         | ± ---    | ± ---  | IVAN HE                                                                                                                       | 2007/12/03  |                                                                                                          |                        |                                                                                                              |                     |
|                                                                                                                 |             |                                   |                                                         | 3 PLACES | ± ---  | ± ---                                                                                                                         | CHECKED BY  |                                                                                                          | DATE                   |                                                                                                              |                     |
|                                                                                                                 |             |                                   |                                                         | 2 PLACES | ± 0.10 | ± ---                                                                                                                         | YLZHU       |                                                                                                          | 2008/2/28              |                                                                                                              |                     |
|                                                                                                                 |             |                                   |                                                         | 1 PLACE  | ± 0.15 | ± ---                                                                                                                         | APPROVED BY |                                                                                                          | DATE                   |                                                                                                              |                     |
|                                                                                                                 |             |                                   | ANGULAR ± 3                                             |          |        | HWANG                                                                                                                         | 2008/2/28   |  MOLEX INCORPORATED |                        |                                                                                                              |                     |
|                                                                                                                 |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |          |        | MATERIAL NO.<br>473370200                                                                                                     |             | DOCUMENT NO.<br>SD-47337-200                                                                             |                        |                                                                                                              | SHEET NO.<br>2 OF 3 |
|                                                                                                                 |             |                                   |                                                         |          |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                                                                                                          |                        |                                                                                                              |                     |
|                                                                                                                 |             |                                   |                                                         |          |        |                                                                                                                               |             |                                                                                                          |                        |                                                                                                              |                     |
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| REV                                                                                                             |             |                                   |                                                         |          |        |                                                                                                                               |             |                                                                                                          |                        |                                                                                                              |                     |

# APPLIED CAMERA MODULE



|                                                                                                                 |                         |                                                  |                                       |  |  |                            |  |                                                                                                                               |                                                                                  |                                   |                     |  |
|-----------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------|---------------------------------------|--|--|----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------|---------------------|--|
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|                                                                                                                 |                         |                                                  |                                       |  |  | DRAWN BY<br>IVAN HE        |  | DATE<br>2007/12/03                                                                                                            | TITLE<br>8.5*8.5 CAMERA SOCKET<br>SMT.SIDE CONTACT TYPE<br>SMT.SIDE CONTACT TYPE |                                   |                     |  |
|                                                                                                                 |                         |                                                  |                                       |  |  | CHECKED BY<br>YLZHU        |  | DATE<br>2008/2/28                                                                                                             |                                                                                  |                                   |                     |  |
|                                                                                                                 |                         |                                                  |                                       |  |  | APPROVED BY<br>HWANG       |  | DATE<br>2008/2/28                                                                                                             |                                                                                  |                                   |                     |  |
|                                                                                                                 |                         |                                                  |                                       |  |  | MATERIAL NO.<br>473370200  |  | DOCUMENT NO.<br>SD-47337-200                                                                                                  |                                                                                  |                                   | SHEET NO.<br>3 OF 3 |  |
|                                                                                                                 |                         |                                                  |                                       |  |  |                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                  |                                   |                     |  |
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