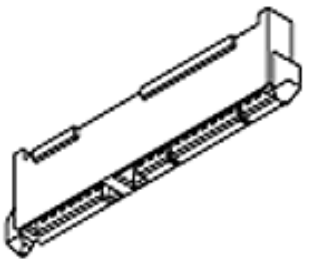
This document was generated on 05/19/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0473622010
**Status:** Active
**Overview:** serial_ata_127_host_receptacles
**Description:** 1.27mm (.050") Pitch Combo SATA Cable Connector, Right Angle Type, with Arris on top surface, with bumps, Gold(Au) Flash Plating, 22 Circuits, Lead Free



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Product Specification PS-47362-001 (PDF)
- RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | I/O Connectors |
| Series | 47362 |
| Application | Wire-to-Board |
| Comments | Right Angle Type |
| Component Type | Receptacle |
| Overview | serial_ata_127_host_receptacles |
| Product Name | Serial ATA |
| Type | N/A |

## Physical

| | |
|---|---|
| Boot Color | N/A |
| Circuits (Loaded) | 22 |
| Circuits (maximum) | 22 |
| Circuits Detail | Signal 7, Power 15 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Gender | Receptacle |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.039 In |
| PCB Thickness Recommended (mm) | 1.00 mm |
| Packaging Type | Tray |
| Panel Mount | Yes |
| Pitch - Mating Interface (in) | 0.050 In |
| Pitch - Mating Interface (mm) | 1.27 mm |
| Pitch - Term. Interface (in) | 0.050 In |
| Pitch - Term. Interface (mm) | 1.27 mm |
| Plating min: Mating (µin) | 2 |
| Plating min: Mating (µm) | 0.05 |
| Plating min: Termination (µin) | 50 |
| Plating min: Termination (µm) | 1.27 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Ports | 2 |
| Temperature Range - Operating | -35°C to +85°C |
| Termination Interface: Style | Through Hole |
| Waterproof / Dustproof | No |
| Wire Size AWG | N/A |

**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**
47362Series

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum | 15V DC |

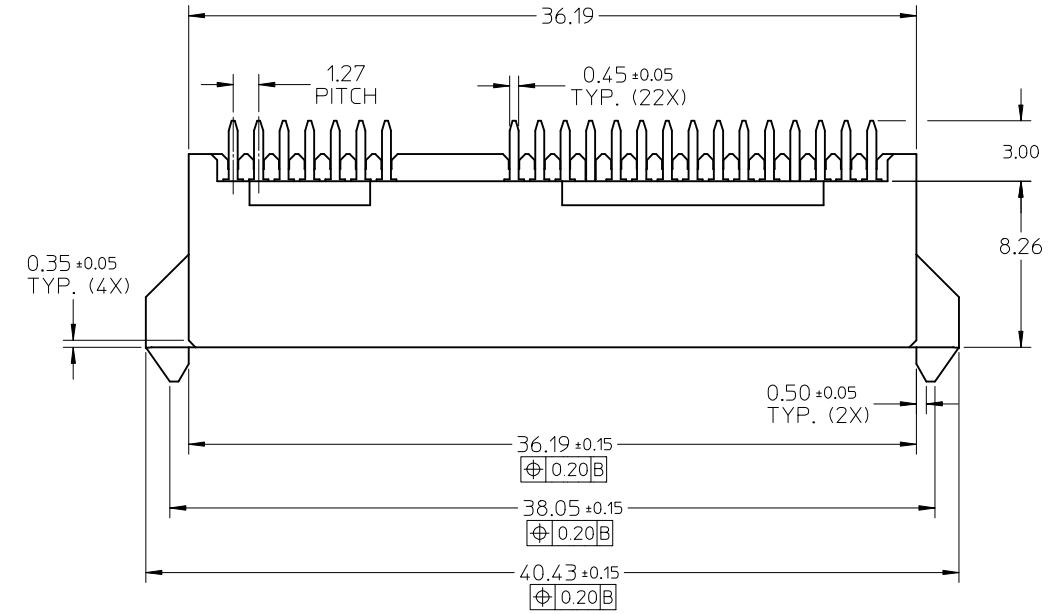
## Material Info

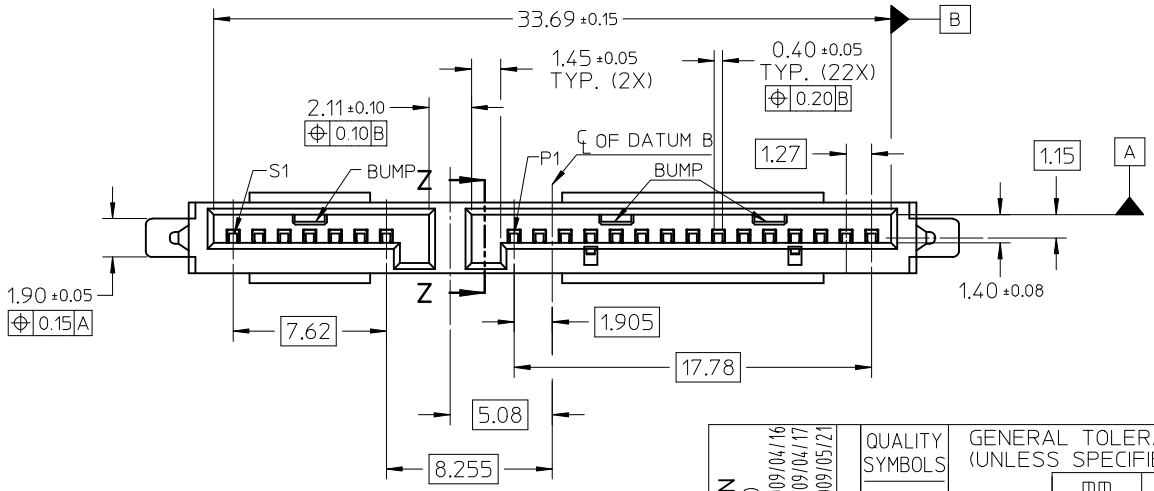
## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-47362-001 |
| Product Specification | PS-47362-001 |
| Sales Drawing | SD-47362-100 |

This document was generated on 05/19/2010

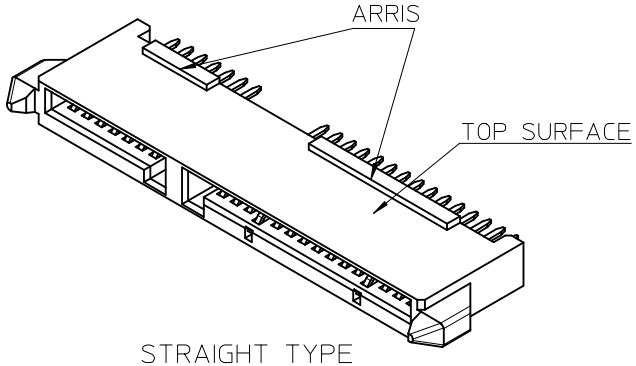
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**



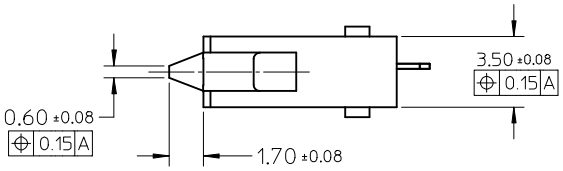




NOTES:

1. MATERIAL:
   HOUSING: THERMAL PLASTIC, GLASS FILLED, UL94V-0, COLOR: BLACK.
   TERMINAL: COPPER ALLOY, THICKNESS=0.25MM.
2. TERMINAL PLATING:
   CONTACT AREA: GOLD PLATED, SEE TABLE.
   SOLDER AREA: PURE TIN, THICKNESS=1.27 MICRONS MINIMUM.
   UNDER PLATE: NICKLE, THICKNESS=1.27 MICRONS MINIMUM.
3. PRODUCT SPECIFICATION: REFER TO PS-47362-001.
4. PACKAGING METHOD: REFER TO PK-47362-001.
5. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC




STRAIGHT TYPE




| REV | DESCRIPTION | |
|---|---|---|
| H | ADD NEW OPTION | 2009/04/16 |
| | EC NO: SH2009-0500 | 2009/04/17 |
| | DRWN:XJSONG | 2009/05/21 |
| | CH'KD:XJSONG | |
| | APPR:HWWANG | |

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

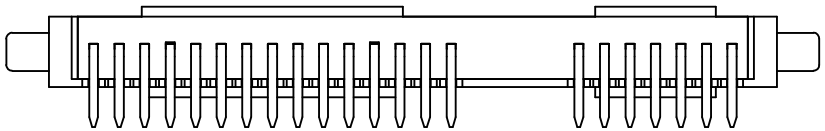
GENERAL TOLERANCES (UNLESS SPECIFIED)

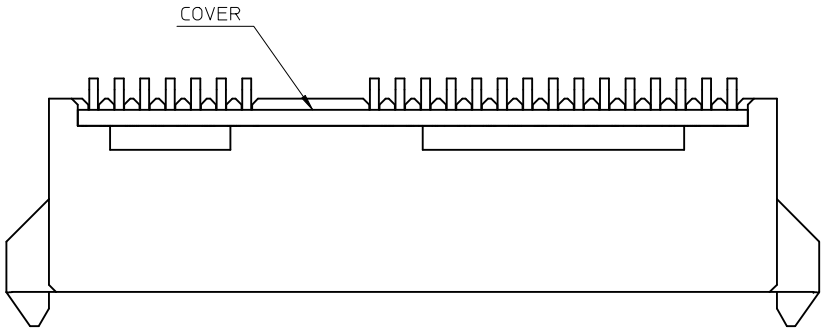
| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.2 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ± 3 ° | | |

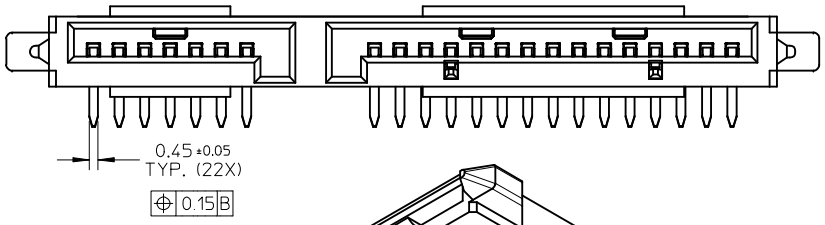
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

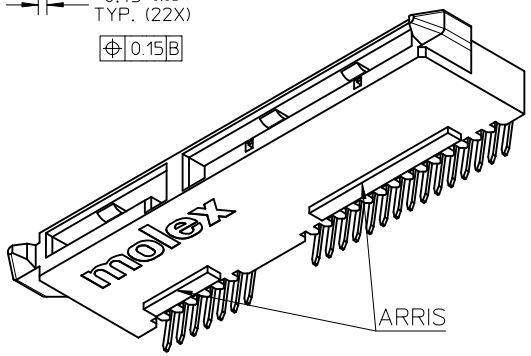
| | |
|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | 4:1 |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | BCHEN26 |
| DATE | 2005/12/05 |
| CHECKED BY | DIXON |
| DATE | 2005/12/05 |
| APPROVED BY | GRATE |
| DATE | 2005/12/05 |
| MATERIAL NO. | SEE SHEET4 |
| TITLE | COMBO SATA RECEPTACLE CABLE END |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-47362-100 |
| SHEET NO. | 1 OF 4 |
| SIZE | A3 |

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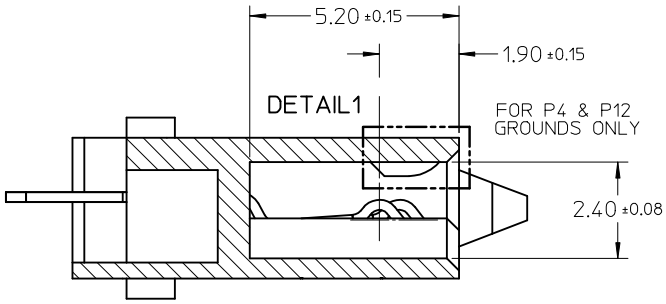


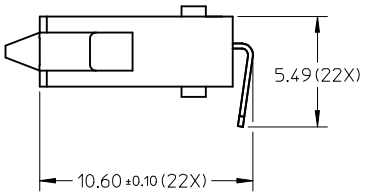



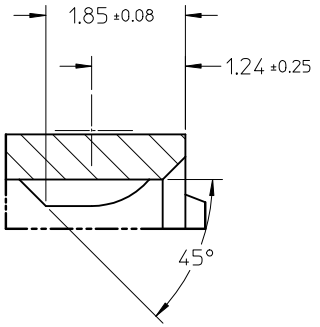

RIGHT ANGLE(90 DEGREE) TYPE

OTHER DIMENSIONS REFER TO STRAIGHT TYPE




SECTION Z-Z




DETAIL1

| SEE SHEET1 | | | |
|---|---|---|---|
| EC NO: SH2009-0500 | 2009/04/16 | | |
| DRWN:XJSONG | 2009/04/17 | | |
| CH'KD:XJSONG | 2009/05/21 | | |
| APPR:HWWANG | | | |
| DESCRIPTION | | | |
| REV | | | |

QUALITY SYMBOLS
▼=0
Ⓒ=0

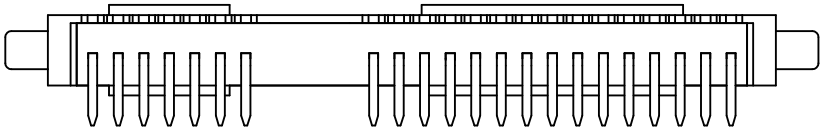
GENERAL TOLERANCES (UNLESS SPECIFIED)

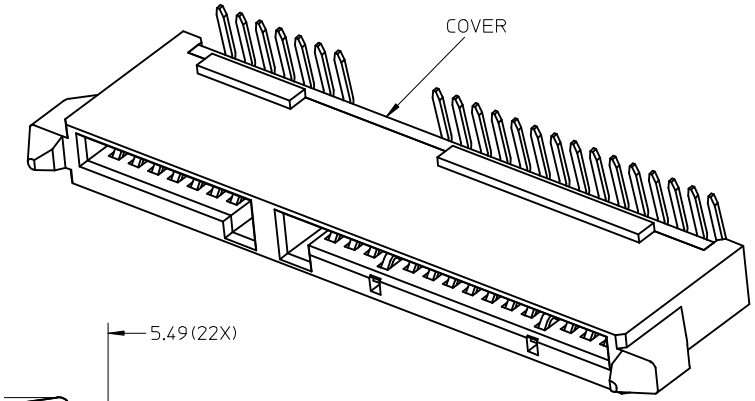
| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.2 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ± 3 ° | | |

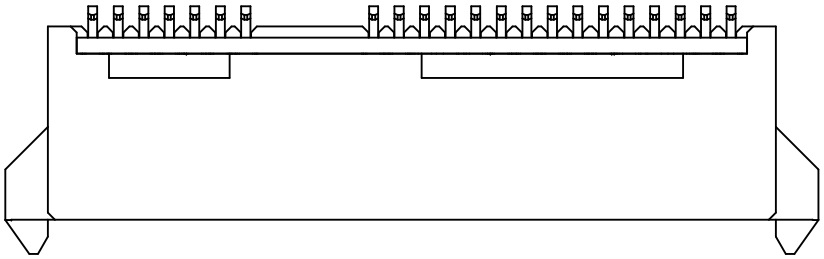
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

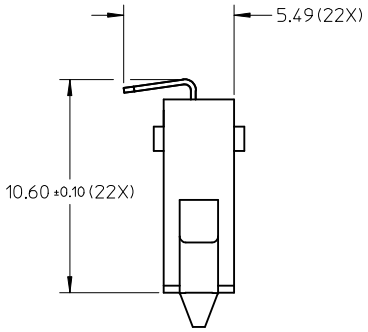
| | |
|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | 4:1 |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | BCHEN26 |
| DATE | 2005/12/05 |
| CHECKED BY | DIXON |
| DATE | 2005/12/05 |
| APPROVED BY | GRATE |
| DATE | 2005/12/05 |
| MATERIAL NO. | SEE SHEET4 |
| TITLE | COMBO SATA RECEPTACLE CABLE END |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-47362-100 |
| SHEET NO. | 2 OF 4 |
| SIZE | A3 |

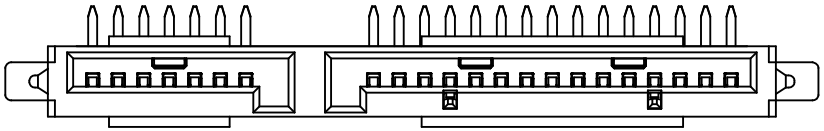
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RIGHT ANGLE(270 DEGREE) TYPE
OTHER DIMENSIONS REFER TO RIGHT ANGLE(90 DEGREE) TYPE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SEE SHEET1 | | | | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE / DESIGN UNITS |
| EC NO: SH2009-0500 | 2009/04/16 | | | ▼=0 | | MM ONLY | 4:1 / METRIC |
| DRWN:XJSONG | 2009/04/17 | | | ▽=0 | mm / INCH | DRAWN BY / DATE | TITLE |
| CHKD:XJSONG | 2009/05/21 | | | | 4 PLACES ± --- / ± --- | BCHEN26 2005/12/05 | COMBO SATA RECEPTACLE CABLE END |
| APPR:HWWANG | | | | | 3 PLACES ± --- / ± --- | CHECKED BY / DATE | |
| DESCRIPTION | | | | | 2 PLACES ± 0.2 / ± --- | DIXON 2005/12/05 | |
| REV | | | | | 1 PLACE ± 0.25 / ± --- | APPROVED BY / DATE | MOLEX INCORPORATED |
| H | | | | | ANGULAR ± 3 ° | GRATE 2005/12/05 | |
| | | | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. SEE SHEET4 | DOCUMENT NO. SD-47362-100 / SHEET NO. 3 OF 4 |
| | | | | | | SIZE A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

| P/N | PLATE TYPE | REMARK | STRAIGHT OR R/A |
|---|---|---|---|
| 47362-1000 | GOLD FLASH | | |
| 47362-1001 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON BOTH SURFACE | |
| 47362-1002 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS | |
| 47362-1010 | GOLD FLASH | | |
| 47362-1011 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON TOP SURFACE | |
| 47362-1012 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS | STRAIGHT TYPE |
| 47362-1020 | GOLD FLASH | | |
| 47362-1021 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON BOTTOM SURFACE | |
| 47362-1022 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS | |
| 47362-1030 | GOLD FLASH | | |
| 47362-1031 | GOLD PLATED 0.76 MICRONS MIN. | WITHOUT ARRIS | |
| 47362-1032 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS | |
| 47362-2000 | GOLD FLASH | | |
| 47362-2001 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON BOTH SURFACE | |
| 47362-2002 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |
| 47362-2010 | GOLD FLASH | | |
| 47362-2011 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON TOP SURFACE | |
| 47362-2012 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |
| 47362-2020 | GOLD FLASH | | RIGHT ANGLE TYPE |
| 47362-2021 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON BOTTOM SURFACE | (90 DEGREE) |
| 47362-2022 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |
| 47362-2030 | GOLD FLASH | | |
| 47362-2031 | GOLD PLATED 0.76 MICRONS MIN. | WITHOUT ARRIS | |
| 47362-2032 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |
| 47362-1003 | GOLD PLATED 0.38 MICRONS MIN. | WITH ARRIS ON BOTH SURFACE WITHOUT BUMPS | STRAIGHT TYPE |
| 47362-1082 | GOLD PLATED 0.38 MICRONS MIN. | WITH ARRIS ON BOTH SURFACE WITH BUMPS | STRAIGHT TYPE |

| P/N | PLATE TYPE | REMARK | STRAIGHT OR R/A |
|---|---|---|---|
| 47362-3000 | GOLD FLASH | | |
| 47362-3001 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON BOTH SURFACE | |
| 47362-3002 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |
| 47362-3010 | GOLD FLASH | | |
| 47362-3011 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON TOP SURFACE | |
| 47362-3012 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | RIGHT ANGLE TYPE |
| 47362-3020 | GOLD FLASH | | (270 DEGREE) |
| 47362-3021 | GOLD PLATED 0.76 MICRONS MIN. | WITH ARRIS ON BOTTOM SURFACE | |
| 47362-3022 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |
| 47362-3030 | GOLD FLASH | | |
| 47362-3031 | GOLD PLATED 0.76 MICRONS MIN. | WITHOUT ARRIS | |
| 47362-3032 | GOLD PLATED 0.38 MICRONS MIN. | WITH BUMPS,WITH COVER | |

SEE SHEET1
EC NO: SH2009-0500 2009/04/16
DRWN:XJSONG 2009/04/17
CH'KD:XJSONG 2009/05/21
APPR:HWANG
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.2 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: BCHEN26 DATE: 2005/12/05
CHECKED BY: DIXON DATE: 2005/12/05
APPROVED BY: GRATE DATE: 2005/12/05

TITLE: COMBO SATA RECEPTACLE CABLE END

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47362-100
SHEET NO.: 4 OF 4
SIZE: A3

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