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one company > a world of innovation

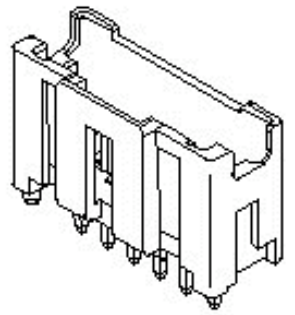
This document was generated on 05/25/2010

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

**Part Number:** 0559320258
**Status:** Active
**Overview:** microclasp
**Description:** 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Single Row, Vertical, 2 Circuits, without PCB Locator, Fluorescent Orange Housing Color, Lead-free

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-51382-004 (PDF)
RoHS Certificate of Compliance (PDF)



*Series image - Reference only*

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 55932 |
| Application | Wire-to-Board |
| Overview | microclasp |
| Product Name | MicroClasp™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Orange |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Mated Height (in) | 0.520 In |
| Mated Height (mm) | 13.20 mm |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.126 In |
| PC Tail Length (mm) | 3.20 mm |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.079 In |
| Pitch - Mating Interface (mm) | 2.00 mm |
| Polarized to Mating Part | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -25°C to +85°C |
| Termination Interface: Style | Through Hole |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3A |
| Voltage - Maximum | 250V |

## Material Info

**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**
55932Series

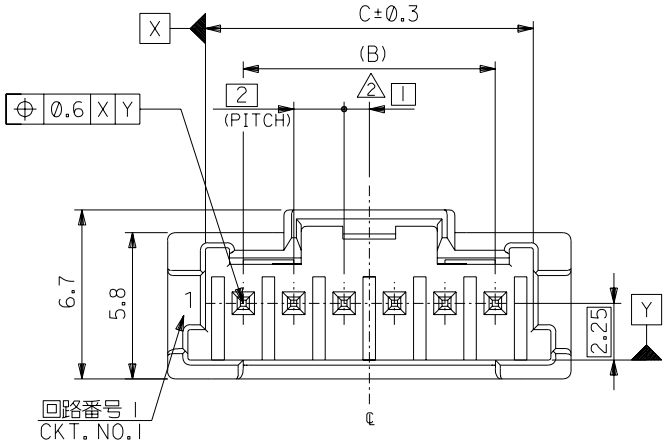
**Mates With**
51382 MicroClasp™ Wire-to-Board Receptacle Housing

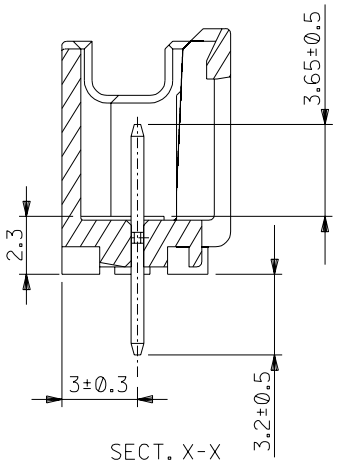
## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-55932-001 |
| Product Specification | PS-51382-004, RPS-51382-006, RPS-51382-007, RPS-51382-008, RPS-51382-009, RPS-51382-010, RPS-51382-012, RPS-51382-013, RPS-51382-014 |
| Sales Drawing | SD-55932-006, SD-55932-007 |

This document was generated on 05/25/2010

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



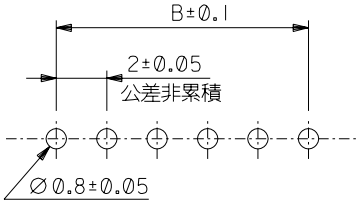

NOTE

1. 嵌合相手：51382−＊＊＊＊
2. 偶数極（列）に適用。
3. キンクは両外側の位置に付加。
4. 製品番号 MATERIAL NO.

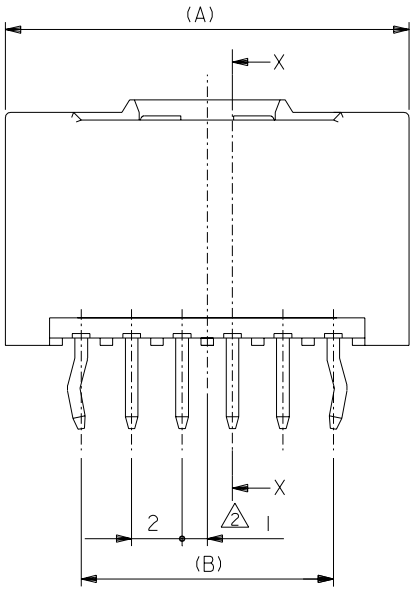
55932−＊＊＊＊

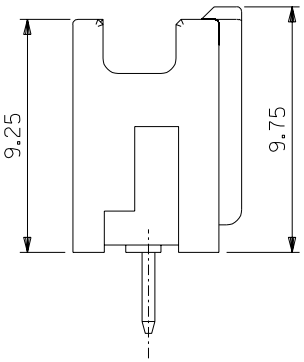
極数 CIRCUIT SIZE　色 COLOR

| | |
|---|---|
| 30 | 自然色（白） NATURAL(WHITE) |
| 31 | 黒 BLACK |
| 32 | 赤 RED |
| 33 | 黄 YELLOW |
| 34 | 青 BLUE |
| 35 | 桃 PINK |
| 36 | 緑 GREEN |
| 37 | 茶 BROWN |
| 38 | 橙 ORANGE |
| 39 | 紫 VIOLET |
| 51 | 灰 GRAY |
| 53 | 蛍光黄 FLUORESCENT YELLOW |
| 54 | 水 PALE BLUE |
| 55 | 蛍光桃 FLUORESCENT PINK |
| 56 | 黄緑 YELLOWISH GREEN |
| 58 | 蛍光橙 FLUORESCENT ORANGE |




推奨基板寸法
（t＝ 1.6 ）




| | | | | |
|---|---|---|---|---|
| 31 | 28 | 34 | 55932-15** | 15 |
| 29 | 26 | 32 | 55932-14** | 14 |
| 27 | 24 | 30 | 55932-13** | 13 |
| 25 | 22 | 28 | 55932-12** | 12 |
| 23 | 20 | 26 | 55932-11** | 11 |
| 21 | 18 | 24 | 55932-10** | 10 |
| 19 | 16 | 22 | 55932-09** | 9 |
| 17 | 14 | 20 | 55932-08** | 8 |
| 15 | 12 | 18 | 55932-07** | 7 |
| 13 | 10 | 16 | 55932-06** | 6 |
| 11 | 8 | 14 | 55932-05** | 5 |
| 9 | 6 | 12 | 55932-04** | 4 |
| 7 | 4 | 10 | 55932-03** | 3 |
| 5 | 2 | 8 | 55932-02** | 2 |
| C | B | A | 4 MATERIAL NO. | CKT. |

DWG. NO. SD-55932-006

DO NOT SCALE DRAWING

| REV | DESCRIPTION | DRWN | CH'K | APPR |
|---|---|---|---|---|
| G | REVISED '04/05/31 ECO NO. J2004-4514 | M.ERIGUCH | K.ASAKAWA | S.ICHIKAWA |
| F | REVISED '03/06/12 ECO NO. J2003-3127 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| E | REVISED '03/04/04 ECO NO. J2003-2421 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |

MATERIAL 材料 ピン：黄銅、ニッケル下地錫メッキ
ハウジング：PBT

FINISH 仕上げ

WIRE RANGE 適用電線範囲

INS. RANGE 被覆外径

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差

| | |
|---|---|
| 10 UNDER 未満 | ±0.2 |
| 10 OVER 以上 30 UNDER 未満 | ±0.25 |
| 30 OVER 以上 | ±0.3 |
| ANGLE 角度 | ±3° |

SCALE

DESIGN UNITS ☒mm ☐INCH

THIRD ANGLE PROJECTION

MODEL NO.：55932-＊＊＊＊

DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY

SHT REV

REVISE ON CAD ONLY

DRAWN BY & DATE T.NIITSU '02/2/8

CHECKED BY & DATE K.ASAKAWA '03/6/12

APPROVED BY & DATE T.YAMAGUCHI '03/6/12

CAD FILENAME SD-55932-006.S01

TITLE: 2.0 W/B SINGLE CONN.
PLUG HOUING ASS'Y ST
-LEAD FREE-

molex MOLEX INCORPORATED

MATERIAL NO. 55932-＊＊＊＊

DRAWING NO. SD-55932-006

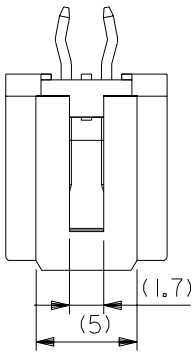
SHEET NO. 1 of 2

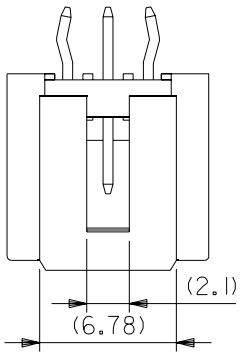
SIZE B

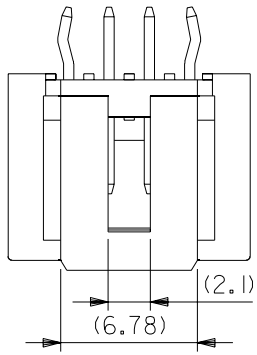
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

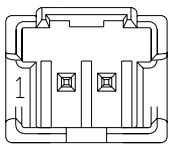
EN-02J(097) MXJ-54

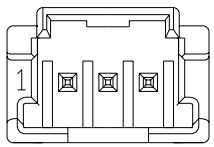
DWG. NO. SD-55932-006

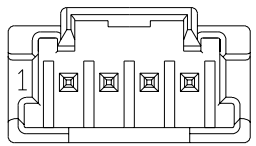


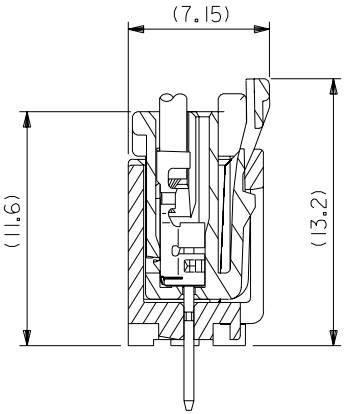




2 CIRCUIT

3 CIRCUIT

4 CIRCUIT




嵌合断面図

| REV | DESCRIPTION | DATE | BY |
|---|---|---|---|
| C | 品番NO. J2004-4514 | '04/05/31 | M.ERIGUCHI |
| F | 品番NO. J2003-3127 | '03/06/12 | N.ITO |
| E | 品番NO. J2003-2421 | '03/04/04 | N.ITO |

DO NOT SCALE DRAWING

MATERIAL 材料: SEE SHEET 1 OF 2

FINISH 仕上げ:

WIRE RANGE 適用電線範囲:

INS. RANGE 被覆外径:

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差

| | |
|---|---|
| 10 UNDER 未満 | ±0.2 |
| 10 OVER 以上 30 UNDER 未満 | ±0.25 |
| 30 OVER 以上 | ±0.3 |
| ANGLE 角度 | ±3° |

SCALE: 2/1

DESIGN UNITS: ☒mm ☐INCH

THIRD ANGLE PROJECTION

DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY

SHT 2 REV C

REVISE ON CAD ONLY

MODEL NO.: 55932-****

DRAWN BY & DATE: T.NIITSU '02/2/8

CHECKED BY & DATE: K.ASAKAWA '03/6/12

APPROVED BY & DATE: T.YAMAGUCHI '03/6/12

CAD FILENAME: SD-55932-006.S02

MATERIAL NO.: 55932-****

DRAWING NO.: SD-55932-006

SHEET NO.: 2 of 2

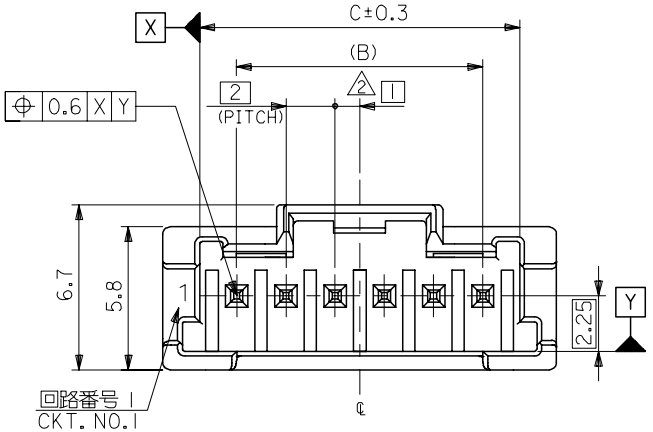
TITLE: 2.0 W/B SINGLE CONN. PLUG HOUING ASS'Y ST -LEAD FREE-

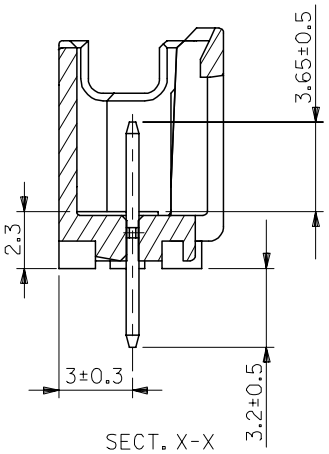
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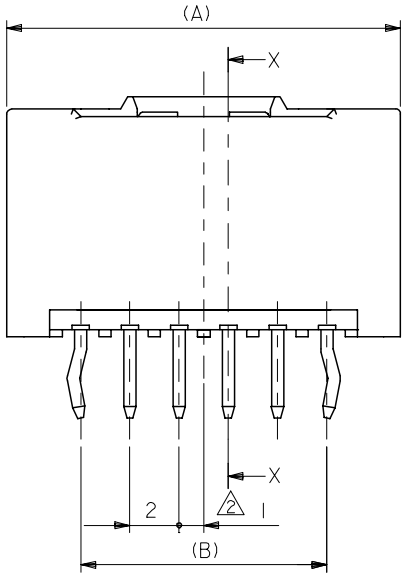
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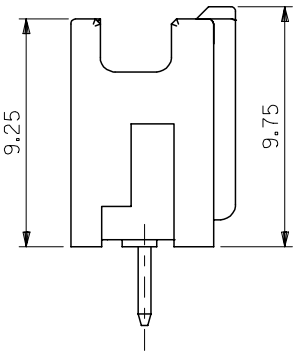
SIZE B

EN-02J(097) MXJ-54



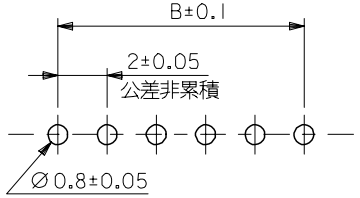




NOTE

1. 嵌合相手：51382−＊＊＊＊
2. 偶数極（列）に適用。
3. キンクは両外側の位置に付加。
4. ピン：黄銅、ニッケル下地錫メッキ
   ハウジング：PBT
5. 適合リテーナー ： 500638 シリーズ
   APPLICABLE RETAINER : 500638 SERIES.
6. 製品番号 MATERIAL NO.

55932−＊＊＊＊

極数 CIRCUIT SIZE　色 COLOR




推奨基板寸法
（t＝ 1.6 ）

| | |
|---|---|
| 30 | 自然色（白） NATURAL(WHITE) |
| 31 | 黒 BLACK |
| 32 | 赤 RED |
| 33 | 黄 YELLOW |
| 34 | 青 BLUE |
| 35 | 桃 PINK |
| 36 | 緑 GREEN |
| 37 | 茶 BROWN |
| 38 | 橙 ORANGE |
| 39 | 紫 VIOLET |
| 51 | 灰 GRAY |
| 53 | 蛍光黄 FLUORESCENT YELLOW |
| 54 | 水 PALE BLUE |
| 55 | 蛍光桃 FLUORESCENT PINK |
| 56 | 黄緑 YELLOWISH GREEN |
| 58 | 蛍光橙 FLUORESCENT ORANGE |

| | | | | |
|---|---|---|---|---|
| 31 | 28 | 34 | 55932-15** | 15 |
| 29 | 26 | 32 | 55932-14** | 14 |
| 27 | 24 | 30 | 55932-13** | 13 |
| 25 | 22 | 28 | 55932-12** | 12 |
| 23 | 20 | 26 | 55932-11** | 11 |
| 21 | 18 | 24 | 55932-10** | 10 |
| 19 | 16 | 22 | 55932-09** | 9 |
| 17 | 14 | 20 | 55932-08** | 8 |
| 15 | 12 | 18 | 55932-07** | 7 |
| 13 | 10 | 16 | 55932-06** | 6 |
| 11 | 8 | 14 | 55932-05** | 5 |
| 9 | 6 | 12 | 55932-04** | 4 |
| 7 | 4 | 10 | 55932-03** | 3 |
| 5 | 2 | 8 | 55932-02** | 2 |
| C | B | A | 6 MATERIAL NO. | CKT. |

MODEL NO. : 55932-＊＊＊＊

RELEASED
EC NO: J2006-1522 2005/11/08
DRWN:YMAEDA 2005/11/08
CHKD:NUKITA 2005/11/09
APPR:NUKITA 2005/11/09
DESCRIPTION
REV 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR ±3 ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: YMAEDA DATE: 2005/06/13
CHECKED BY: MTANAKA DATE: 2005/06/13
APPROVED BY: NUKITA DATE: 2005/06/13
MATERIAL NO.: SEE CHART

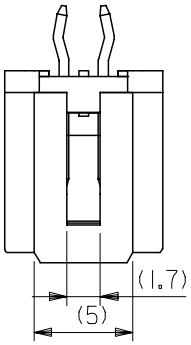
TITLE: 2.0 W/B CONN.PLUG HOUSING ASS'Y WO BOSS -LEAD FREE-

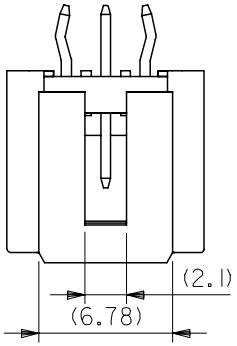
MOLEX INCORPORATED

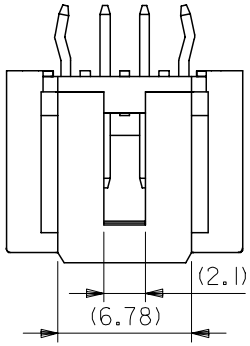
DOCUMENT NO.: SD-55932-007
SHEET NO.: 1 OF 2

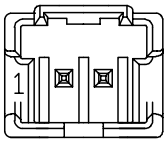
SIZE A3

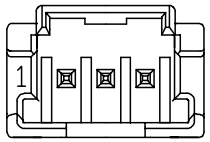
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

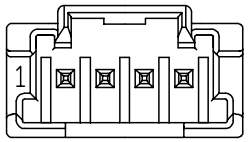


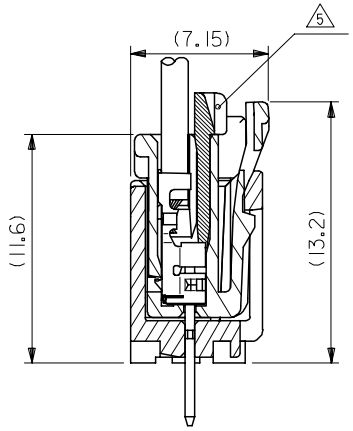




2 CIRCUIT

3 CIRCUIT

4 CIRCUIT




嵌合断面図

MODEL NO. : 55932-****

| | | | |
|---|---|---|---|
| RELEASED | | | |
| EC NO: J2006-1522 | | | |
| DRWN:YMAEDA | 2005/11/08 | | |
| CHKD:NUKITA | 2005/11/08 | | |
| APPR:NUKITA | 2005/11/09 | | |
| DESCRIPTION | | | |
| REV | | | |
| 0 | | | |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR ±3 ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | | | |
|---|---|---|---|
| DIMENSION STYLE: MM ONLY | SCALE: --- | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION |
| DRAWN BY: YMAEDA | DATE: 2005/06/13 | TITLE: 2.0 W/B CONN.PLUG HOUSING ASS'Y WO BOSS -LEAD FREE- | |
| CHECKED BY: MTANAKA | DATE: 2005/06/13 | | |
| APPROVED BY: NUKITA | DATE: 2005/06/13 | MOLEX INCORPORATED | |
| MATERIAL NO.: SEE CHART | | DOCUMENT NO.: SD-55932-007 | SHEET NO.: 2 OF 2 |
| SIZE: A3 | | | |

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