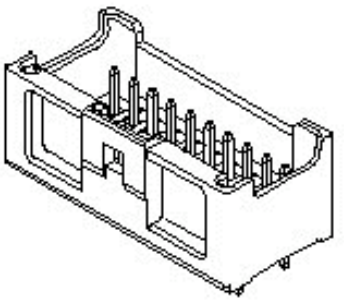
This document was generated on 06/07/2010

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

**Part Number:** 0559173410
**Status:** Active
**Overview:** microclasp
**Description:** 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Vertical, 34 Circuits, with PCB Locator



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-51353-003 (PDF)
RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 55917 |
| Application | Wire-to-Board |
| Overview | microclasp |
| Product Name | MicroClasp™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 34 |
| Circuits (maximum) | 34 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.126 In |
| PC Tail Length (mm) | 3.20 mm |
| PCB Locator | Yes |
| 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 |
| 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**
Contains SVHC: No
**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**
55917Series

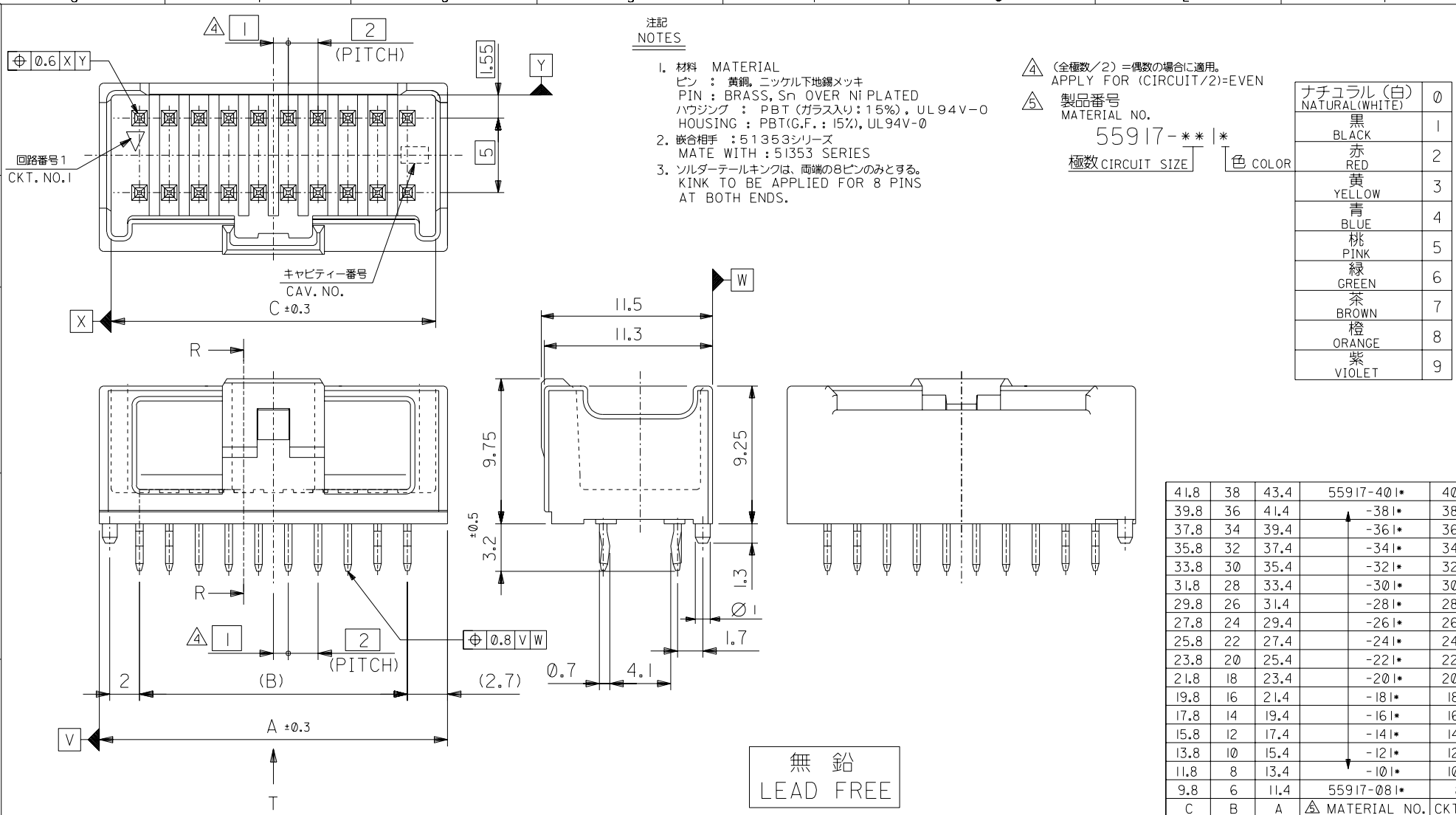
**Mates With**
51353 MicroClasp™ Wire-to-Board Receptacle Housing

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-55917-001 |
| Product Specification | PS-51353-003, RPS-501844-001, RPS-51353-008, RPS-51353-009, RPS-51353-010, RPS-51353-013, RPS-51353-014, RPS-51353-016, RPS-51353-018, RPS-51353-019, RPS-51353-020, RPS-51353-022, RPS-51353-024, RPS-51353-025, RPS-51353-026, RPS-51353-030, RPS-51353-031 |
| Sales Drawing | SD-55917-003 |

This document was generated on 06/07/2010

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注記
NOTES

1. 材料 MATERIAL
   ピン : 黄銅、ニッケル下地錫メッキ
   PIN : BRASS, Sn OVER Ni PLATED
   ハウジング : PBT (ガラス入り:15%), UL94V-0
   HOUSING : PBT(G.F.:15%), UL94V-0
2. 嵌合相手 :51353シリーズ
   MATE WITH :51353 SERIES
3. ソルダーテールキンクは、両端の8ピンのみとする。
   KINK TO BE APPLIED FOR 8 PINS AT BOTH ENDS.

4 (全極数/2) =偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN

5 製品番号
MATERIAL NO.
55917-**|*
極数 CIRCUIT SIZE
色 COLOR

| | |
|---|---|
| ナチュラル (白) NATURAL(WHITE) | 0 |
| 黒 BLACK | 1 |
| 赤 RED | 2 |
| 黄 YELLOW | 3 |
| 青 BLUE | 4 |
| 桃 PINK | 5 |
| 緑 GREEN | 6 |
| 茶 BROWN | 7 |
| 橙 ORANGE | 8 |
| 紫 VIOLET | 9 |

| | | | | |
|---|---|---|---|---|
| 41.8 | 38 | 43.4 | 55917-401* | 40 |
| 39.8 | 36 | 41.4 | -381* | 38 |
| 37.8 | 34 | 39.4 | -361* | 36 |
| 35.8 | 32 | 37.4 | -341* | 34 |
| 33.8 | 30 | 35.4 | -321* | 32 |
| 31.8 | 28 | 33.4 | -301* | 30 |
| 29.8 | 26 | 31.4 | -281* | 28 |
| 27.8 | 24 | 29.4 | -261* | 26 |
| 25.8 | 22 | 27.4 | -241* | 24 |
| 23.8 | 20 | 25.4 | -221* | 22 |
| 21.8 | 18 | 23.4 | -201* | 20 |
| 19.8 | 16 | 21.4 | -181* | 18 |
| 17.8 | 14 | 19.4 | -161* | 16 |
| 15.8 | 12 | 17.4 | -141* | 14 |
| 13.8 | 10 | 15.4 | -121* | 12 |
| 11.8 | 8 | 13.4 | -101* | 10 |
| 9.8 | 6 | 11.4 | 55917-081* | 8 |
| C | B | A | 4 MATERIAL NO. | CKT. |

無 鉛
LEAD FREE

DO NOT SCALE DRAWING

| REV | DESCRIPTION | DWN | CH'K | APPR |
|---|---|---|---|---|
| D | REVISED ECO-03-003494 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| C | REVISED ECO-03-003134 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| B | REVISED ECO-02-002307 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| A | REVISED ECO-02-001826 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| 0 | RELEASED ECO-02-001196 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |

MATERIAL 材料: 注記参照 SEE NOTES
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° |

55917-**|*

SCALE —
DESIGN UNITS ☒mm ☐INCH
MODEL NO.
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE N.ITO '01/12/17
CHECKED BY & DATE K.ASAKAWA '03/06/26
APPROVED BY & DATE T.YAMAGUCHI '03/06/26
CAD FILENAME 55917003.S01

TITLE:
2.0mm W-to-B DUAL CONN DIP
PLUG HOUSING ASS'Y ST (WITH BOSS)

MOLEX INCORPORATED

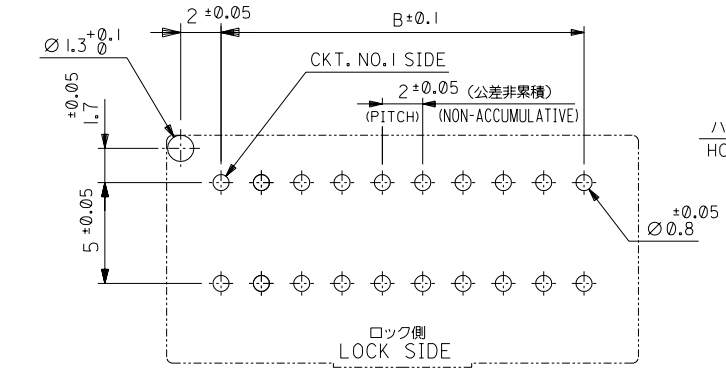
MATERIAL NO. SEE CHART
DRAWING NO. SD-55917-003
SHEET NO. 1 OF 2

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

SIZE B

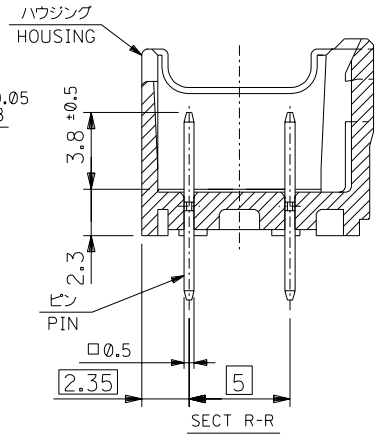
EN-02J(097) MXJ-54

55917003.S01

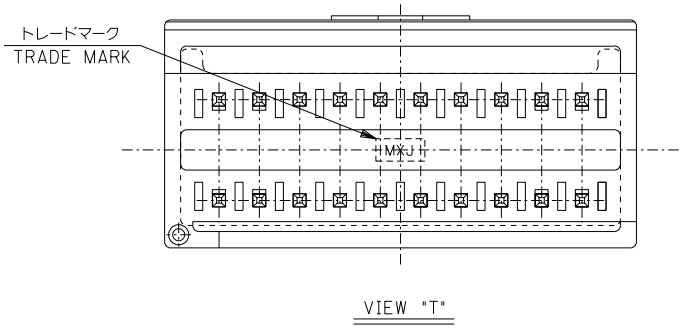



基板取付穴推奨寸法（マウント面）

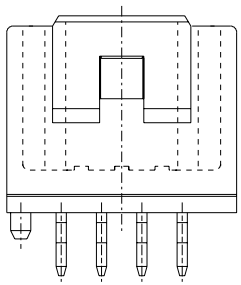
RECOMMENDED P.C.BOARD HOLE DIMENSION (MOUNTING SIDE) ( t =1.6)



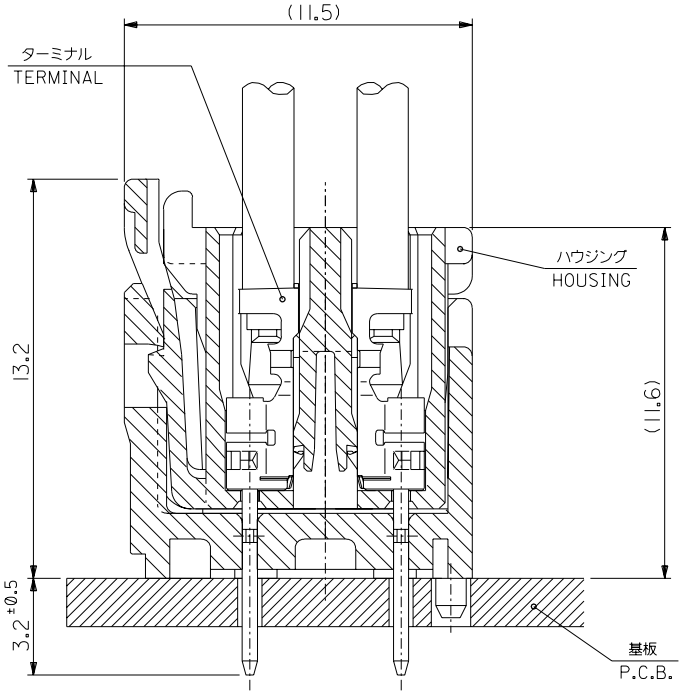

SECT R-R




VIEW "T"



8 CIRCUIT




嵌合断面図（参考）

MATED DRAWING (REF.)

無 鉛
LEAD FREE

| REV | DESCRIPTION | DRWN | CH'K | APPR |
|---|---|---|---|---|
| D | REVISED 注04NO. J2003-3290 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| | | '03/06/26 | | |
| C | REVISED 注03NO. J2003-3134 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| | | '03/06/19 | | |
| B | REVISED 注02NO. J2002-2307 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| | | '02/03/18 | | |
| A | REVISED 注01NO. J2002-1826 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| | | '02/02/28 | | |
| 0 | RELEASED 注00NO. J2002-1196 | N.ITO | K.ASAKAWA | T.YAMAGUCHI |
| | | '01/12/17 | | |

DO NOT SCALE DRAWING

MATERIAL 材料: 注記参照 SEE NOTES

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

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

55917-**1*

SCALE 4:1 | DESIGN UNITS ☒mm ☐INCH | 注記 THIRD ANGLE PROJECTION

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

SHT 2 | REV 注07

DRAWN BY & DATE N.ITO '01/12/17

CHECKED BY & DATE K.ASAKAWA '03/06/26

APPROVED BY & DATE T.YAMAGUCHI '03/06/26

TITLE:
2.0mm W-†-B DUAL CONN DIP
PLUG HOUSING ASS'Y ST (WITH BOSS)

MOLEX INCORPORATED

CAD FILENAME 55917003.S02

MATERIAL NO. SEE CHART

DRAWING NO. SD-55917-003

SHEET NO. 2 OF 2

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SIZE B

EN-02J(097) MXJ-54

55917003.S02

DWG. NO. SD-55917-003