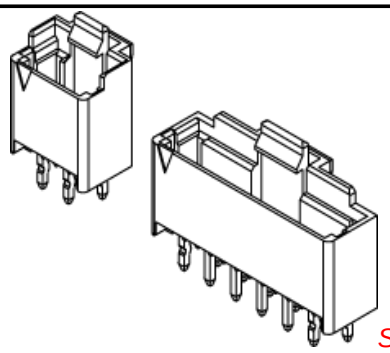
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0554470470

**Status:** Active

**Description:** 1.25mm (.049") Pitch Mi ll™ System Wire-to-Board Header, Single Row, Vertical, with Positive Lock, Lead-free, 4 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-54596-018 (PDF)
Product Specification PS-54596-021 (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 55447 |
| Application | Wire-to-Board |
| MolexKits | Yes |
| Product Name | Mini Mi II™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Natural |
| 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 |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.118 In |
| PC Tail Length (mm) | 3.00 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) | 0.049 In |
| Pitch - Mating Interface (mm) | 1.25 mm |
| Polarized to Mating Part | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum | 100V |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-55447-001 |

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

**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.

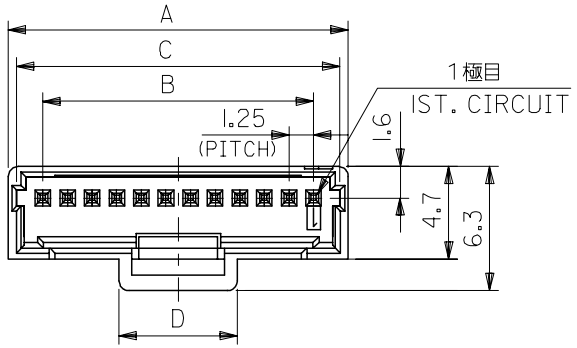
**Search Parts in this Series**
55447Series

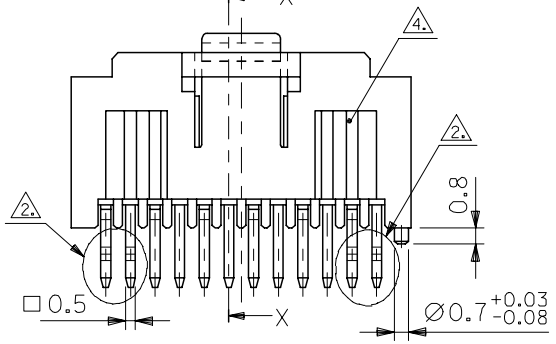
**Mates With**
51336 PBT Polyester, Glass-filled Housing.
54596 PA Polyamide Housing

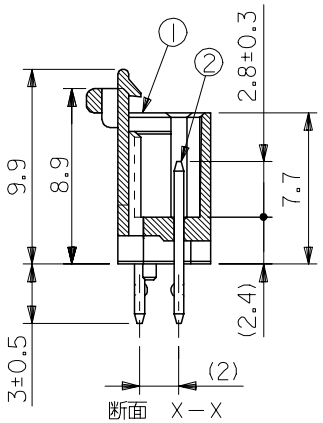
| | |
|---|---|
| Product Specification | PS-54596-018, PS-54596-021, RPS-54596-024 |
| Sales Drawing | SD-55447-010 |

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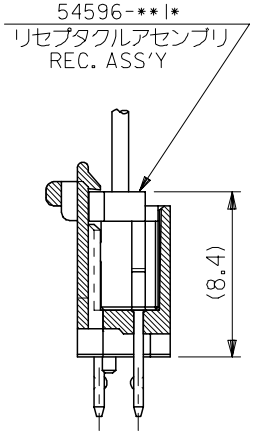
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**



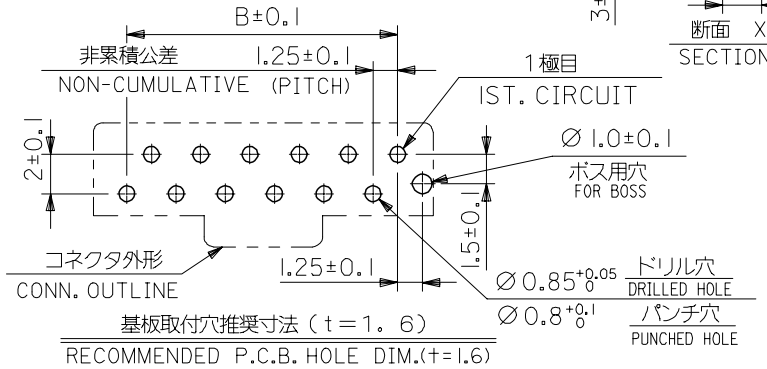




断面 X－X
SECTION X-X




嵌合図
MATING REC.




基板取付穴推奨寸法（t＝1．6）
RECOMMENDED P.C.B. HOLE DIM.(t=1.6)

| 番号 NO. | 名称 NAME | 原料 MATERIAL | 数量 QT'Y | 仕上げ FINISH |
|---|---|---|---|---|
| ① | ウエハー WEFAR | ナイロン NYLON | 1 | UL94V-0 |
| ② | ピン PIN | 黄銅 BRASS | N | 全体錫メッキ PRE-TINNED |

注)NOTES 1.原料および仕上げ：表参照
MATERIAL AND FINISH : SEE CHART
2. キンクは、両サイド4ピンに適用。(4極品までは、全極に適用)
TO BE APPLICABLE 4 PIN OF BOTH SIDE.
3. 製品番号
MATERIAL NO.
55447-**7*
極数 CIRCUIT SIZE (02 ～ 20)
メッキ仕様：無鉛 PLATING:LEAD FREE
色 COLOR 0:自然色 NATURAL
2: 赤 RED , 3: 黄 YELLOW

4. 側面の溝は、１０極以上に適用。
SIDE DITCHES MUST BE APPLICABLE OVER 10 CIRCUIT SIZE.

| D | C | B | A | 極数 CIRCUIT SIZE | 3. 製品番号 MATERIAL NO. |
|---|---|---|---|---|---|
| 6 | 26.4 | 23.75 | 27.25 | 20 | 55447-207* |
| | 25.15 | 22.5 | 26 | 19 | -197* |
| | 23.9 | 21.25 | 24.75 | 18 | -187* |
| | 22.65 | 20 | 23.5 | 17 | -177* |
| | 21.4 | 18.75 | 22.25 | 16 | -167* |
| | 20.15 | 17.5 | 21 | 15 | -157* |
| | 18.9 | 16.25 | 19.75 | 14 | -147* |
| | 17.65 | 15 | 18.5 | 13 | -137* |
| | 16.4 | 13.75 | 17.25 | 12 | -127* |
| | 15.15 | 12.5 | 16 | 11 | -117* |
| | 13.9 | 11.25 | 14.75 | 10 | -107* |
| | 12.65 | 10 | 13.5 | 9 | -097* |
| | 11.4 | 8.75 | 12.25 | 8 | -087* |
| | 10.15 | 7.5 | 11 | 7 | -077* |
| | 8.9 | 6.25 | 9.75 | 6 | -067* |
| | 7.65 | 5 | 8.5 | 5 | -057* |
| 4.75 | 6.4 | 3.75 | 7.25 | 4 | -047* |
| | 5.15 | 2.5 | 6 | 3 | -037* |
| | 3.9 | 1.25 | 4.75 | 2 | 55447-027* |

MODEL NO. 55447-**7*

REVISED
EC NO: J2006-0438 2005/08/08
DRWN:MNABEI 2005/08/09
CHKD:KTOYODA
APPR:NUKITA 2005/08/19
DESCRIPTION
REV A

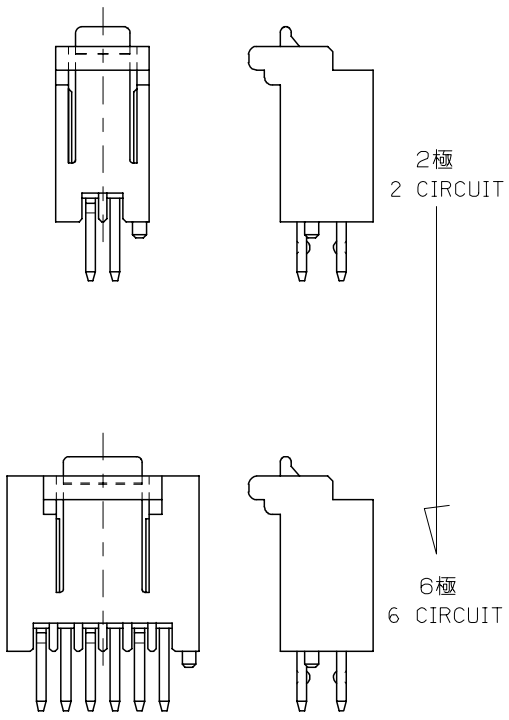
GENERAL TOLERANCES (UNLESS SPECIFIED)

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

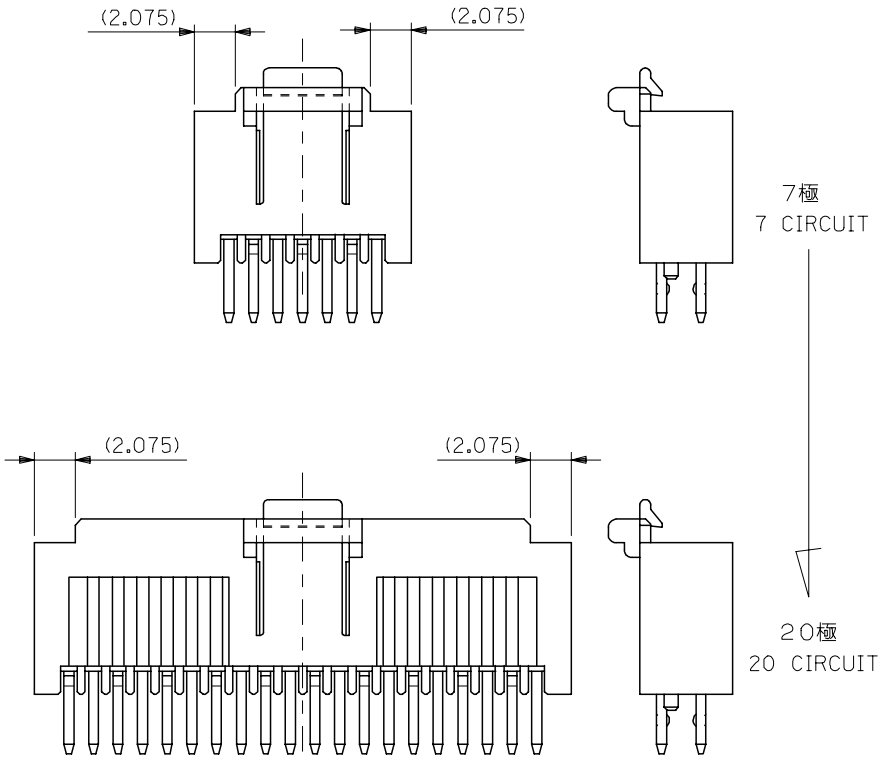
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | 4:1 |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY / DATE | N.YOSHIDA '03/02/07 |
| CHECKED BY / DATE | M.YAGI '03/02/07 |
| APPROVED BY / DATE | Y.ITO '03/02/07 |
| MATERIAL NO. | SEE CHART |
| TITLE | MINI MI2 1-ROW WAFER ASS'Y (SN) -LEAD FREE- |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-55447-010 |
| 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極～6極のハウジング形状
SHAPE OF HS'G FROM 2 TO 6 CIRCUIT




7極～20極のハウジング形状
SHAPE OF HS'G FROM 7 TO 20 CIRCUIT

REVISED
EC NO: J2006-0438 2005/08/08
DRWN:MNABEI 2005/08/09
CHKD:KTOYODA 2005/08/19
APPR:NUKITA
DESCRIPTION
REV
A

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: 4:1 | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION |
| DRAWN BY: N.YOSHIDA DATE: '03/02/07 | TITLE: MINI MI2 1-ROW WAFER ASS'Y (SN) -LEAD FREE- | | |
| CHECKED BY: M.YAGI DATE: '03/02/07 | | | |
| APPROVED BY: Y.ITO DATE: '03/02/07 | molex MOLEX INCORPORATED | | |
| MATERIAL NO.: SEE CHART | DOCUMENT NO.: SD-55447-010 | 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 | | |