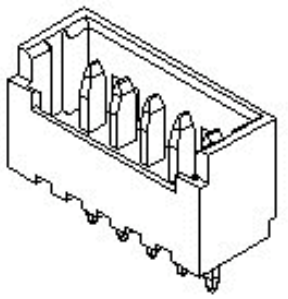
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0530470410
**Status:** Active
**Overview:** picoblade
**Description:** 1.25mm (.049") Pitch PicoBlade™ Wire-to-Board Header, Vertical, with Friction Lock, 4 Circuits

**Documents:**
3D Model
Drawing (PDF)
Product Specification PS-51021-010 (PDF)
RoHS Certificate of Compliance (PDF)



*Series image - Reference only*

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 53047 |
| Application | Wire-to-Board |
| Overview | picoblade |
| Product Name | PicoBlade™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| 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) | 0.205 In |
| Mated Height (mm) | 5.20 mm |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.091 In |
| PC Tail Length (mm) | 2.30 mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.031 In |
| PCB Thickness Recommended (mm) | 0.80 mm |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.049 In |
| Pitch - Mating Interface (mm) | 1.25 mm |
| Polarized to PCB | No |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +85°C |
| Termination Interface: Style | Through Hole |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1A |
| Voltage - Maximum | 125V |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-53047 |

**EU RoHS**
ELV and RoHS Compliant
**REACH SVHC**
Contains SVHC: No
**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**
53047Series

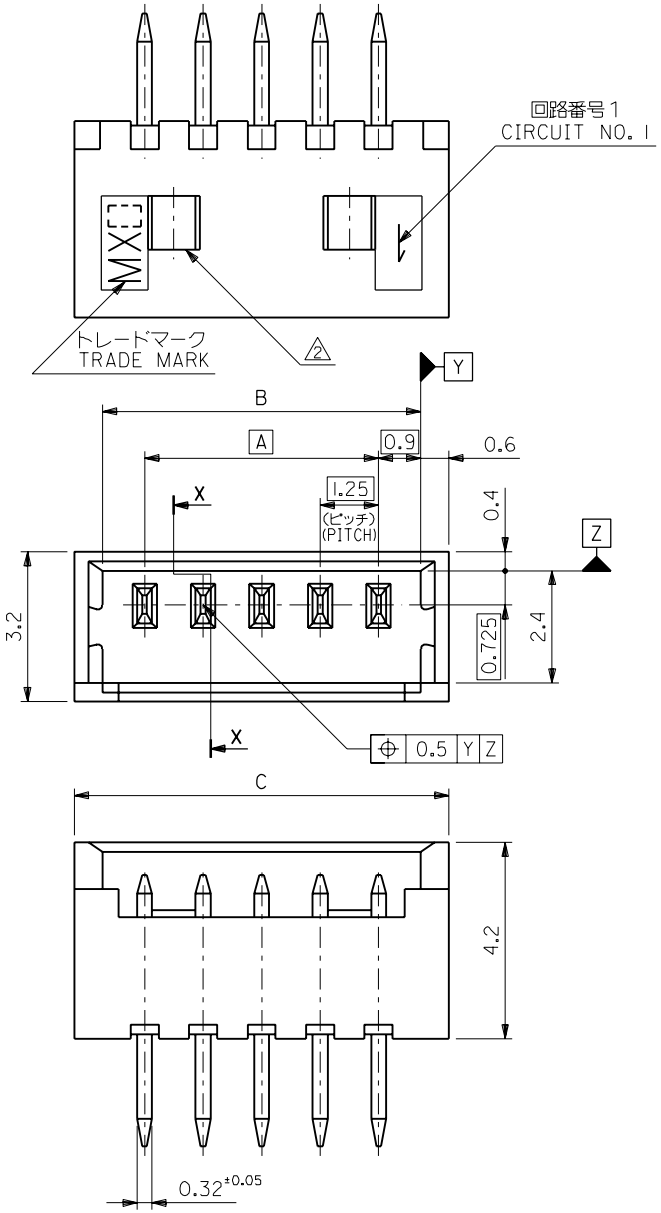
**Mates With**
51021 PicoBlade™ Wire-to-Wire

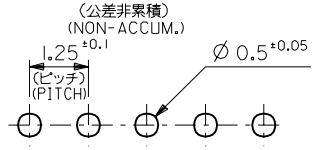
| | |
|---|---|
| Product Specification | PS-51021-010, RPS-51021-007, RPS-51021-011, RPS-51021-041, RPS-51021-059, RPS-51021-060, RPS-51021-071, RPS-51021-089 |
| Sales Drawing | SD-53047-**10 |

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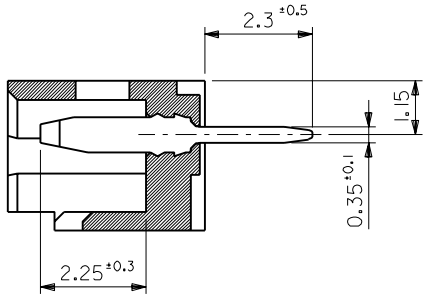
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

DWG. NO. SD-53047-**10




基板取付穴推奨寸法
RECOMMENDED P.C.BOARD HOLE DIMENSIONS
(t=0.8)




SECT. X-X

注記
NOTES

1. 嵌合相手 : 51021 シリーズ
   MATES WITH : 51021 SERIES
2. ロック窓は2極と3極は1ヵ所、4極以上は2ヵ所とする。
   LOCK WINDOW :
   ONE PLACE FOR 2 AND 3 CKTS.
   TWO PLACES FOR 4 AND MORE THAN 4 CKTS.
3. 材料
   ウエハー：66ナイロン、UL94V-0（カラー：オフホワイト）
   ピン：リン青銅、錫メッキ（0.9 μm MIN.）
   MATERIAL
   WAFER : 66NYLON, UL94V-0 (COLOR : OFF-WHITE)
   PIN : PHOSPHOR BRONZE, PRE-TINNED (0.9 μm MIN.)

| C | B | A | ENG. NO. | 極数 NO. OF CKTS. |
|---|---|---|---|---|
| 20.5 | 19.3 | 17.5 | 53047-1510 | 15 |
| 19.25 | 18.05 | 16.25 | -1410 | 14 |
| 18 | 16.8 | 15 | -1310 | 13 |
| 16.75 | 15.55 | 13.75 | -1210 | 12 |
| 15.5 | 14.3 | 12.5 | -1110 | 11 |
| 14.25 | 13.05 | 11.25 | -1010 | 10 |
| 13 | 11.8 | 10 | -0910 | 9 |
| 11.75 | 10.55 | 8.75 | -0810 | 8 |
| 10.5 | 9.3 | 7.5 | -0710 | 7 |
| 9.25 | 8.05 | 6.25 | -0610 | 6 |
| 8 | 6.8 | 5 | -0510 | 5 |
| 6.75 | 5.55 | 3.75 | -0410 | 4 |
| 5.5 | 4.3 | 2.5 | -0310 | 3 |
| 4.25 | 3.05 | 1.25 | 53047-0210 | 2 |

| 角度 ANGLE | ±3° |
|---|---|
| 30以上 OVER | ±0.3 |
| 10以上 OVER 30未満 UNDER | ±0.25 |
| 10未満 UNDER | ±0.2 |
| 一般公差 GENERAL TOLERANCES | |

| 記号 LTR | 変更内容 REVISION RECORD | DR. CHK. | 日付 DATE |
|---|---|---|---|
| E | 変更及び再作図 REVISED AND REDRAWN (J40963) | H.H M.F | '94/11/23 |

材料 MATERIAL 注記3 参照 SEE NOTE 3
仕上げ FINISH
適用電線範囲 WIRE RANGE
被覆外径 INS. RANGE

DRAWN BY '94/11/23 H.HIRAMOTO
CHK'D BY '94/11/24 M.FUKUSHIMA
APP'D BY '94/11/24 M.FUKUSHIMA
尺度 SCALE 10 - 1

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.25 WIRE TO BOARD CONN. WAFER ASS'Y STRAIGHT

DWG. NO. SD-53047-**10
REV E

53047.S11

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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