

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0530480910

Status:

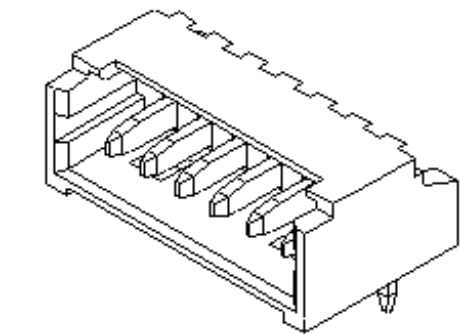
Active

Overview:

[picoblade](#)

Description:

1.25mm (.049") Pitch PicoBlade™ Header, Right Angle, 9 Circuits



Series  
image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-51021-010 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

|                |                           |
|----------------|---------------------------|
| Product Family | PCB Headers               |
| Series         | 53048                     |
| Application    | Wire-to-Board             |
| Overview       | <a href="#">picoblade</a> |
| Product Name   | PicoBlade™                |

Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 9              |
| Circuits (maximum)             | 9              |
| Color - Resin                  | Natural        |
| 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)              | 0.138 In       |
| Mated Height (mm)              | 3.50 mm        |
| Material - Plating Mating      | Tin            |
| Material - Resin               | Nylon          |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| 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             |
| 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-53048-001 |
|-------------------------|---------------|

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](mailto: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

53048Series

Mates With

[51021](#) PicoBlade™ Wire-to-Wire

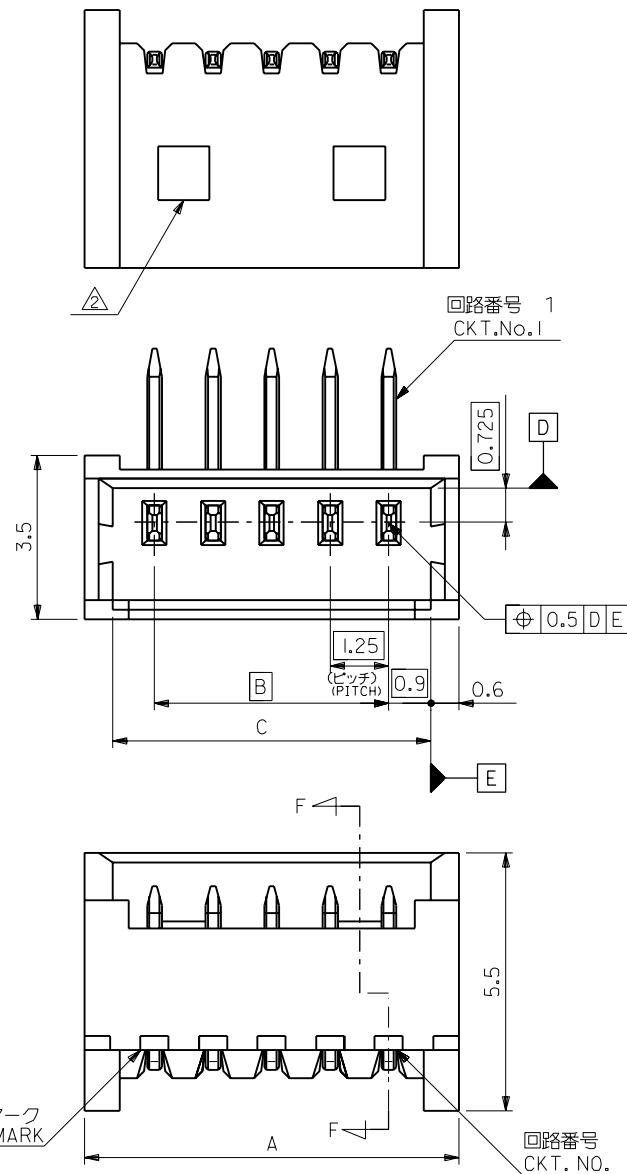
Product Specification

Sales Drawing

PS-51021-010, RPS-51021-007, RPS-51021-011,  
RPS-51021-048, RPS-51021-059, RPS-51021-060,  
RPS-51021-071, RPS-51021-089  
SD-53048-\*\*10

This document was generated on 05/26/2010

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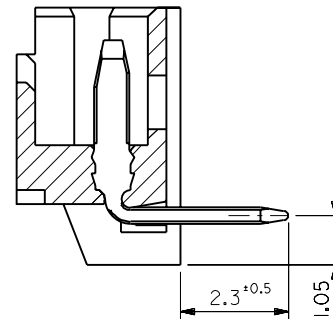
トレードマーク  
TRADE MARK

## 注記

## NOTES

1. 嵌合相手: 51021-\*\*-00  
MATE WITH: 51021-\*\*-00

△ ロック窓は、2. 3極が1ヶ所、4~15極が2ヶ所とする。  
WINDOW OF LOCK CONSTRUCTED 1 POINT BY 2,3POLES  
AND 2POINTS BY 4~15POLES.



基板取付穴推奨寸法 (t=0.8)

RECOMMENDED PC BOARD HOLE DIMENSION  
(t=0.8)

|       |       |       |            |    |
|-------|-------|-------|------------|----|
| 19.3  | 17.5  | 20.5  | 53048-1510 | 15 |
| 18.05 | 16.25 | 19.25 | -1410      | 14 |
| 16.8  | 15    | 18    | -1310      | 13 |
| 15.55 | 13.75 | 16.75 | -1210      | 12 |
| 14.3  | 12.5  | 15.5  | -1110      | 11 |
| 13.05 | 11.25 | 14.25 | -1010      | 10 |
| 11.8  | 10    | 13    | -0910      | 9  |
| 10.55 | 8.75  | 11.75 | -0810      | 8  |
| 9.3   | 7.5   | 10.5  | -0710      | 7  |
| 8.05  | 6.25  | 9.25  | -0610      | 6  |
| 6.8   | 5     | 8     | -0510      | 5  |
| 5.55  | 3.75  | 6.75  | -0410      | 4  |
| 4.3   | 2.5   | 5.5   | -0310      | 3  |
| 3.05  | 1.25  | 4.25  | 53048-0210 | 2  |
| C     | B     | A     | ENG. NO.   | 極数 |

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

|     |          |           |      |          |
|-----|----------|-----------|------|----------|
| 記号  | 再作図      | 変更内容      | DR.  | 日付       |
| LTR | REVISION | RECORD    | CHK  | DATE     |
| C   | 再作図      | (JC70378) | S.A. | 96/06/11 |
|     | REDRAWN  |           | M.F  |          |
|     |          |           | CHK  |          |

|           |                                |
|-----------|--------------------------------|
| 材料        | ピン:リン青銅、錫メッキ                   |
| MATERIAL  | PIN:PHOSPHOR BRONZE, TIN PLATE |
| ウェハー      | :66ナイロン、UL94V-0                |
| WAFER     | :66NYLON, UL94V-0              |
| 仕上げ       | FINISH                         |
| 適用電線範囲    | WIRE RANGE                     |
| 被覆外径      | INS. RANGE                     |
| DRAWN BY  | 96/06/11                       |
| S.A.NDO   | CHK'D BY                       |
| APP'D BY  | 96/06/11                       |
| M.ENOMOTO | M.FUKUSHIMA                    |
| 尺度        | 10:1                           |

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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 R/ADWG. NO.  
SD-53048-\*\*-10REV  
C