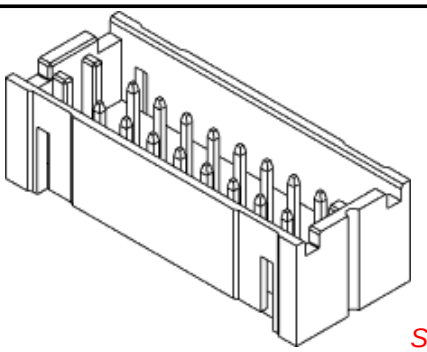
This document was generated on 04/16/2010

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

**Part Number:** 0533130665

**Status:** Active

**Description:** 2.00mm (.079") Pitch Mi II™ System Wire-to-Board Header, Dual Row, Vertical, Lead-free, 6 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-51089-005 (PDF)
Product Specification PS-51160-006 (PDF)
Product Specification PS-52478-002 (PDF)
RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 53313 |
| Application | Wire-to-Board |
| Product Name | Mi II™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Gray |
| 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 - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.138 In |
| PC Tail Length (mm) | 3.50 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 |
| Plating min: Mating (µin) | 40 |
| Plating min: Mating (µm) | 1.00 |
| Plating min: Termination (µin) | 40 |
| Plating min: Termination (µm) | 1.00 |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |

**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**
53313Series

**Mates With**
Wire-to-Board IDT Receptacle 52478 , 52484. 51089 Crimp Terminal

| | |
|---|---|
| Termination Interface: Style | Through Hole |

## Electrical

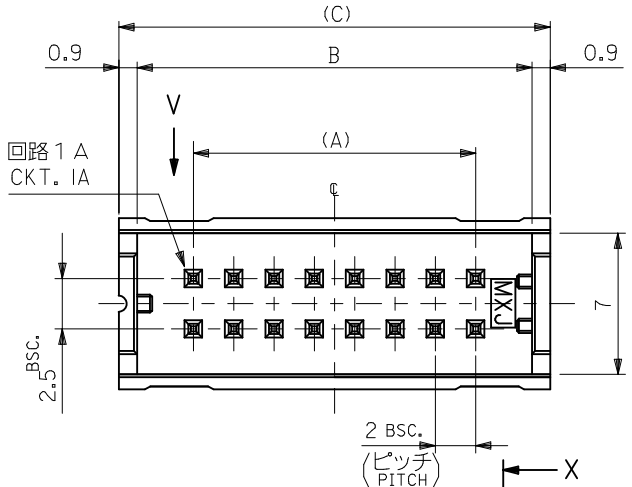
| | |
|---|---|
| Current - Maximum per Contact | 2A |
| Voltage - Maximum | 125V |

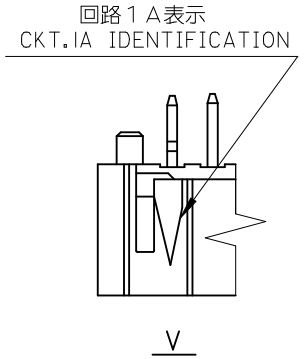
## Material Info

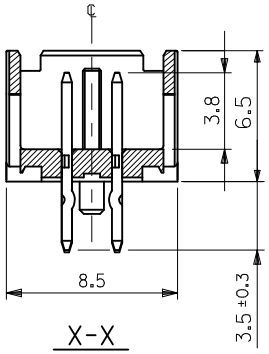
## Reference - Drawing Numbers

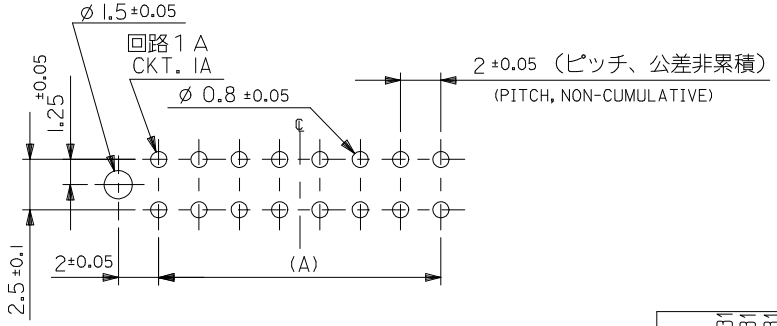
| | |
|---|---|
| Product Specification | PS-51089-005, PS-51160-006, PS-52478-002, RPS-51160-005 |
| Sales Drawing | SD-53313-002 |

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




基板取付穴推奨寸法（参考）
RECOMMENDED PCB HOLE DIM.(REF.)

注記
NOTES

1。材料：
MATERIALS:
ウエハー：ポリアミド、ガラス充填、UL94V-0, 色：グレー
WAFER : PA, GLASS FILLED, UL94V-0, COLOR: GRAY
ピン ：黄銅、スズメッキ
PIN : BRASS, PRE-TINNED
2。適合メスコネクター ：51089-***5, 52478-**15,52484-**15
MATING CONNECTOR
適合クリップ ：51094-**00
MATING CLIP
3。推奨基板厚：
RECOMMENDED PCB THICKNESS : t
4. メッキ仕様
TERMINAL PLATING
表面メッキ ： スズメッキ 1μm MIN.
SURFACE PLATE : TIN 1μm MIN.
下地メッキ ： ニッケルメッキ 0.5μm MIN.
UNDER PLATE : NICKEL 0.5μm MIN.
5.ELV AND RoHS COMPLIANT.

無 鉛
LEAD FREE

| (C) | B | A | TRAY PACKAGE ORDER NO. | CKT. |
|---|---|---|---|---|
| 65.4 | 63.6 | 58 | 53313-6065 | 60 |
| 55.4 | 53.6 | 48 | -5065 | 50 |
| 45.4 | 43.6 | 38 | -4065 | 40 |
| 39.4 | 37.6 | 32 | -3465 | 34 |
| 35.4 | 33.6 | 28 | -3065 | 30 |
| 33.4 | 31.6 | 26 | -2865 | 28 |
| 31.4 | 29.6 | 24 | -2665 | 26 |
| 29.4 | 27.6 | 22 | -2465 | 24 |
| 27.4 | 25.6 | 20 | -2265 | 22 |
| 25.4 | 23.6 | 18 | -2065 | 20 |
| 23.4 | 21.6 | 16 | -1865 | 18 |
| 21.4 | 19.6 | 14 | -1665 | 16 |
| 19.4 | 17.6 | 12 | -1465 | 14 |
| 17.4 | 15.6 | 10 | -1265 | 12 |
| 15.4 | 13.6 | 8 | -1065 | 10 |
| 13.4 | 11.6 | 6 | -0865 | 8 |
| 11.4 | 9.6 | 4 | 53313-0665 | 6 |

MATERIAL
材料
注記参照
SEE NOTES

REVISED
EC NO: J2010-0349 2009/08/31
DRWN:TKON 2009/08/31
CH'KD:KASAKAWA
APPR:NUKITA 2009/08/31
DESCRIPTION
REV
B

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: A.IDA DATE: 2003/05/07
CHECKED BY: J.MIYAZAWA DATE: 2003/05/07
APPROVED BY: Y.ITO DATE: 2003/05/07

TITLE: 2.0 W/B DUAL ROW S/T HEADER ASSY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-53313-002
SHEET NO.: 1 OF 1
SIZE: A3

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