

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0533131865](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Mi II™ System Wire-to-Board Header, Dual Row, Vertical, Lead-free, 18 Circuits

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

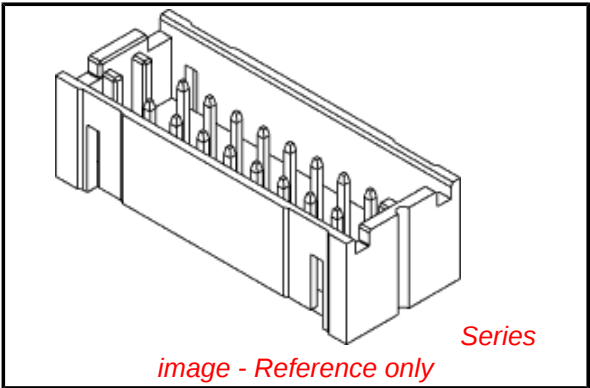
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [53313](#)
Application Wire-to-Board
Product Name Mi II™

Physical

Breakaway No
Circuits (Loaded) 18
Circuits (maximum) 18
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**

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.

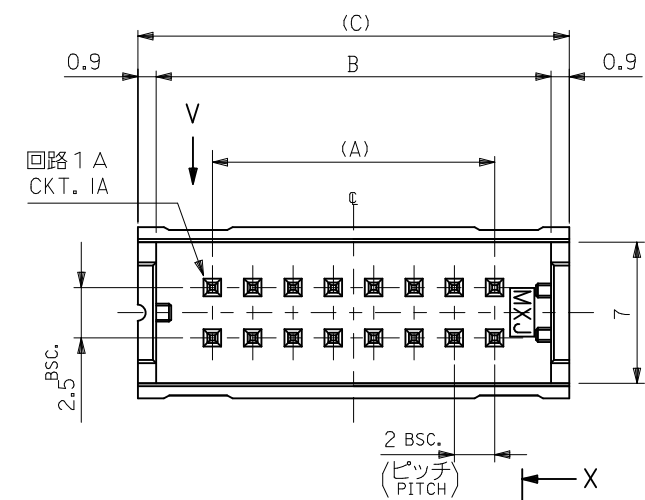
Search Parts in this Series
[53313Series](#)

Mates With
Wire-to-Board IDT Receptacle [52478](#) ,
[52484](#), [51089](#) Crimp Terminal

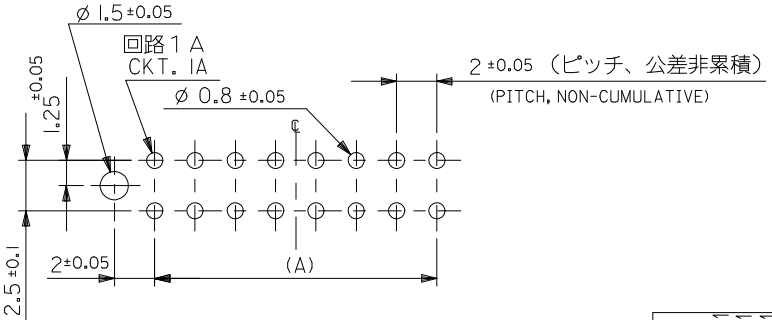
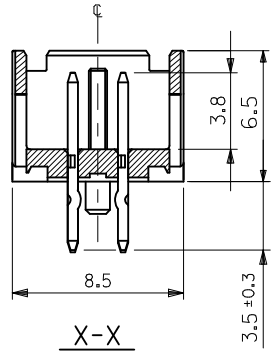
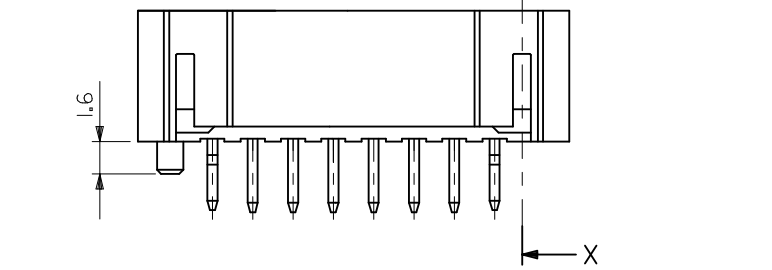
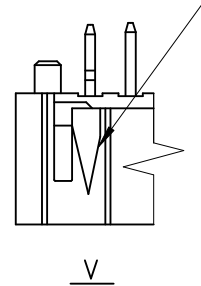
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2A
Voltage - Maximum	125V
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-51089-005, PS-51160-006, PS-52478-002, RPS-51160-005
Sales Drawing	SD-53313-002

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回路 1 A 表示
CKT. 1A IDENTIFICATION



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

MATERIAL
材料
注記参照
SEE NOTES

注記
NOTES

1. 材料 :
MATERIALS:
ウエハー : ホリアミド、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

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
(C)	B	A	TRAY PACKAGE	CKT.
			ORDER NO.	

REVISED
EC NO: J2010-03/49
DRWN:TKON 2009/08/31
CHKD:KASAKAWA 2009/08/31
APPR:NUKITA 2009/08/31
REV B

DESCRIPTION
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
DRAWN BY A. IDA
CHECKED BY J. MIYAZAWA
APPROVED BY Y. ITO
DATE 2003/05/07
DATE 2003/05/07
DATE 2003/05/07
MATERIAL NO. SEE CHART
SIZE A3

SCALE
4:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
2.0 W/B DUAL ROW S/T HEADER ASSY
MOLEX INCORPORATED
DOCUMENT NO. SD-53313-002
SHEET NO. 1 OF 1

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