

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0532530880](#)
Status: **Active**
Overview: [microlatch](#)
Description: 2.00mm (.079") Pitch Micro-Latch™ Wire-to-Board Header, Vertical, Square Pin, Three-sided Shroud, Lead-free, 8 Circuits, PC Tail Length 2.30mm (.091")

Documents:

[3D Model](#) [Product Specification PS-51065-016 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

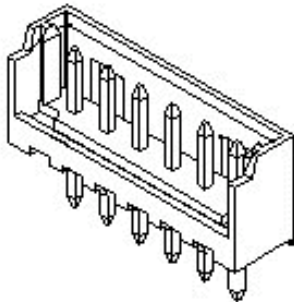
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [53253](#)
Application Wire-to-Board
Overview [microlatch](#)
Product Name Micro-Latch™

Physical

Breakaway No
Circuits (Loaded) 8
Durability (mating cycles max) 30
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Mated Height (in) 0.287 In
Mated Height (mm) 7.30 mm
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
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 Yes
PCB Thickness Recommended (in) 0.040 In
PCB Thickness Recommended (mm) 1.00 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 Mating Part Yes
Polarized to PCB No
Shrouded Partial
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +105°C



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**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
[53253Series](#)

Mates With
[51065](#) Crimp Housing. [50212](#) Crimp
Terminal

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

2A

Voltage - Maximum

125V

Material Info

Reference - Drawing Numbers

Product Specification

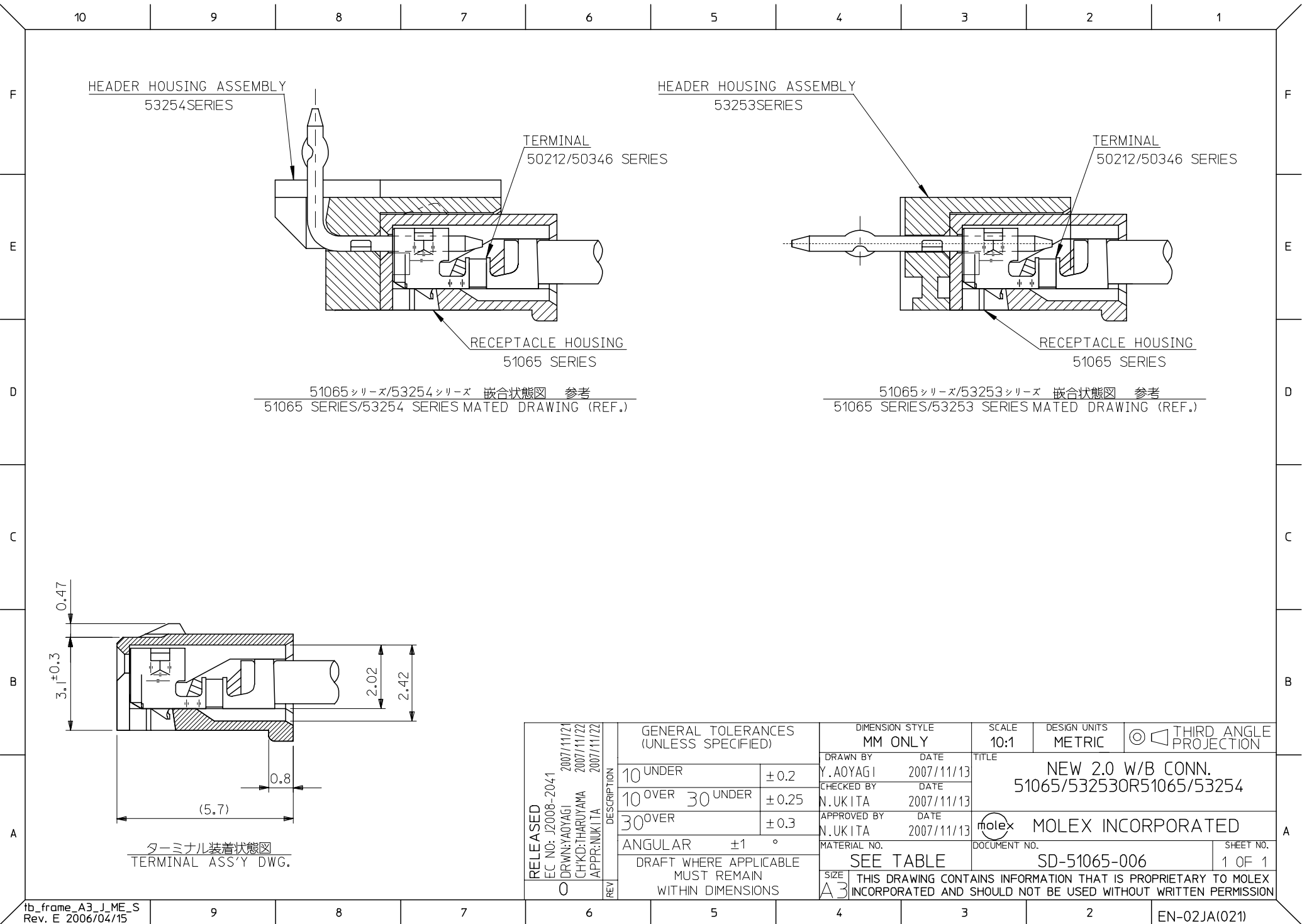
PS-51065-016, RPS-51065-026, RPS-51065-030

Sales Drawing

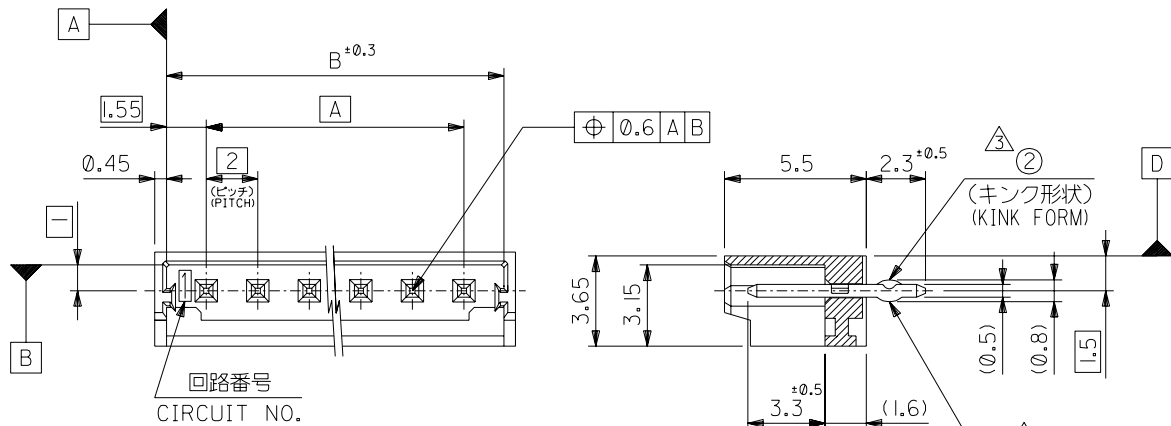
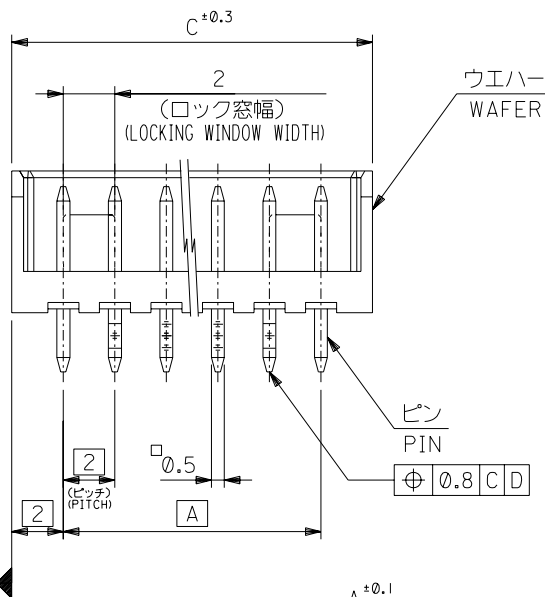
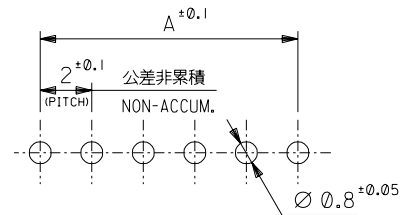
SD-51065-006, SD-53253-003

This document was generated on 05/25/2010

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RELEASED EC NO: J2008-2041 DRWN:YA0YAGI CHKD:THARUYAMA APPR:NUKITA	2007/11/21 2007/11/22 2007/11/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			10 UNDER	±0.2	DRAWN BY Y.AOYAGI	DATE 2007/11/13	TITLE NEW 2.0 W/B CONN. 51065/53253OR51065/53254				
			10 OVER 30 UNDER	±0.25	CHECKED BY N.UKITA	DATE 2007/11/13					
			30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2007/11/13	MOLEX INCORPORATED				
			ANGULAR ±1 °		MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-51065-006		1 OF 1		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

回路番号
CIRCUIT NO.2極の場合
IN CASE OF 2 CIRCUIT WAFER3極の場合
IN CASE OF 3 CIRCUIT WAFER基板取付穴寸法 (参考) (t=1.0)
RECOMMENDED P.C. BOARD HOLE DIM. (REFERENCE)

注記 NOTES

1. 嵌合相手: 51065 シリーズ
MATE WITH: 51065 SERIES
2. 材質
MATERIAL

ウエハー: 66ナイロン, UL94V-0
WAFER: 66NYLON, UL94V-0
ピン: 黄銅, スズメッキ
PIN: BRASS, TIN

- ③ キंकは下記表の位置及び形状に付加のこと。2極はキंक無し。
KINK TO BE APPLIED AS FOLLOWS, 2 CIRCUIT HAS NO KINK.

極数 CKT	回路番号 CKT NO.	1	2	3	4	5	N-2	N-1	N
6 極以上	MORE THAN 6 CKT	—	①	②	—	—	②	①	—
5 極	5 CKT	①	②	—	②	①	—	—	—
4 極	4 CKT	①	②	②	①	—	—	—	—
3 極	3 CKT	①	②	①	—	—	—	—	—

4. 本製品は 53253-***20 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53253-***20.

32	31.1	28	53253-1580	15
30	29.1	26	4 -1480	14
28	27.1	24	-1380	13
26	25.1	22	-1280	12
24	23.1	20	-1180	11
22	21.1	18	-1080	10
20	19.1	16	-0980	9
18	17.1	14	-0880	8
16	15.1	12	-0780	7
14	13.1	10	-0680	6
12	11.1	8	-0580	5
10	9.1	6	-0480	4
8	7.1	4	-0380	3
6	5.1	2	53253-0280	2

53253-***80
MODEL NO.

C B A

MATERIAL NO. CKT. 極数

材料 MATERIAL
注記参照 SEE NOTESmolex MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

仕上げ FINISH

REVISE ONLY ON CAD SYSTEM

適用電線範囲 WIRE RANGE

TITLE 名称

被覆外径 INS. RANGE

NEW 2.0 WIRE TO BOARD CONN.

DRAWN BY '04/06/11

CHK'D BY '04/06/11

WAFA ASS'Y (ST.)

M.NABEI

K.TOJO

-LEAD FREE-

APP'D BY '04/06/11

M.SASAO

DWG. NO.

角度 ANGLE	±3°
30° 以上 OVER	±0.3
10° 以上 30° 未満 UNDER	±0.25
10° 未満 UNDER	±0.2

記号 LTR
新規作成 RELEASED (J2004-4687)
変更内容 REVISION RECORD

DR. CHK. DATE

M.SASAO

M.SASAO

SD-53253-003