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Part Number: [0532530470](#)
Status: **Active**
Overview: [microlatch](#)
Description: 2.00mm (.079") Pitch Micro-Latch™ Wire-to-Board Header, Vertical, Square Pin, Three-sided Shroud, Lead-free, 4 Circuits

Documents:

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

Agency Certification

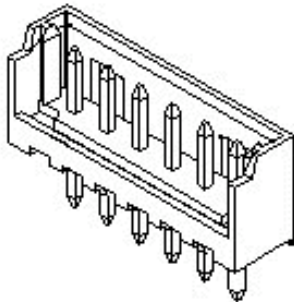
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	53253
Application	Wire-to-Board
MolexKits	Yes
Overview	microlatch
Product Name	Micro-Latch™

Physical

Breakaway	No
Circuits (Loaded)	4
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	No
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 Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole



Series

image - Reference only

EU RoHS

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

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

Electrical

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

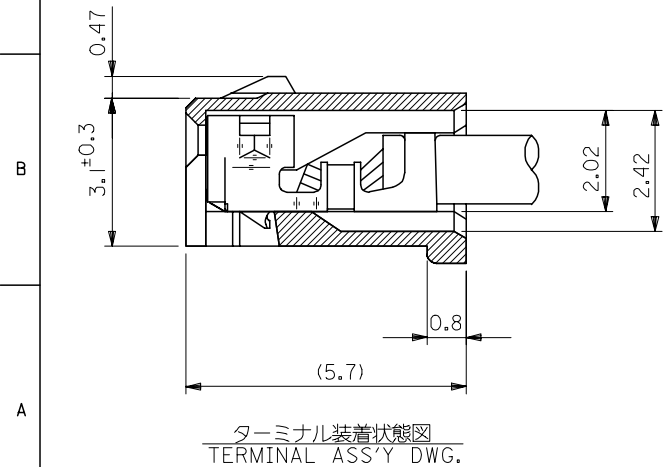
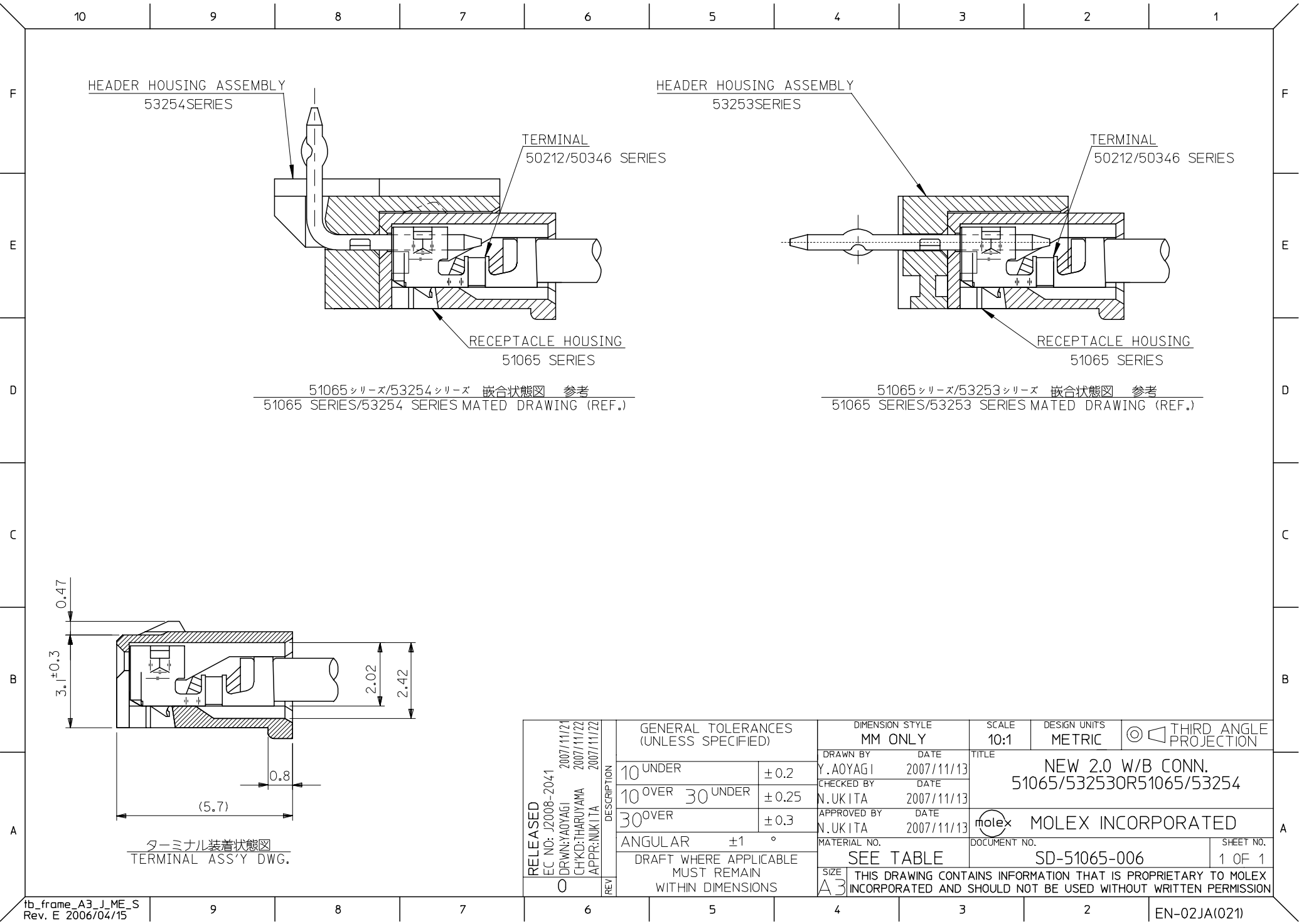
Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-53253-001
Product Specification	PS-51065-016, RPS-51065-001, RPS-51065-006, RPS-51065-007, RPS-51065-013, RPS-51065-015, RPS-51065-023, RPS-51065-026, RPS-51065-027, RPS-51065-028, RPS-51065-030
Sales Drawing	SD-51065-006, SD-53253-001

This document was generated on 06/07/2010

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RELEASED EC NO: J2008-2041 DRWN:YA0YAGI 2007/11/21 CHKD:THARUYAMA 2007/11/22 APPR:NUKITA 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.A0YAGI	DATE 2007/11/13	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						
		ANGULAR ±1 °		MATERIAL NO.					DOCUMENT NO.		SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					SD-51065-006		1 OF 1
	REV 0		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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, 錫メッキ
PIN : BRASS, TIN(Sn) PLATING

△ キングは下記表の位置及び形状に付加のこと。2極はキング無し。
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-**10の鉛フリー品です。
THIS PRODUCT IS LEAD FREE OF 53253-**10.

5. 梱包仕様 PACKAGING
53253-**70 トレー TRAY
53253-**50 ポリ袋 POLYBAG

32	31.1	28	53253-1550	53253-1570	15
30	29.1	26	-1450	-1470	14
28	27.1	24	-1350	-1370	13
26	25.1	22	-1250	-1270	12
24	23.1	20	-1150	-1170	11
22	21.1	18	-1050	-1070	10
20	19.1	16	-0950	-0970	9
18	17.1	14	-0850	-0870	8
16	15.1	12	-0750	-0770	7
14	13.1	10	-0650	-0670	6
12	11.1	8	-0550	-0570	5
10	9.1	6	-0450	-0470	4
8	7.1	4	-0350	-0370	3
6	5.1	2	53253-0250	53253-0270	2
C	B	A	MATERIAL NO.	MATERIAL NO.	極数

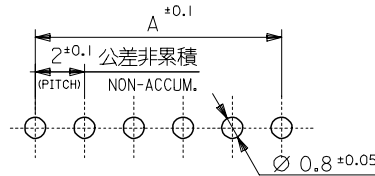
MODEL NO. 53253-**70/**50
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION

NEW 2.0 WIRE TO BOARD
CONN. WAFER ASSY (ST.)
-LEAD FREE-

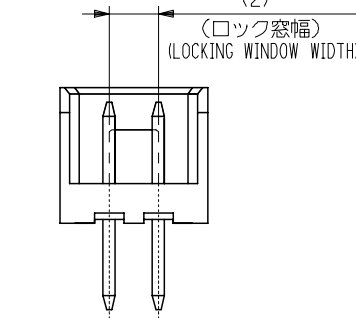
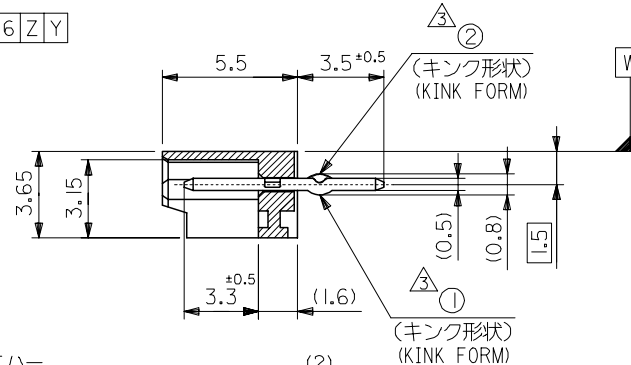
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MATERIAL NO. DOCUMENT NO. SD-53253-001 SHEET NO. 1 OF 1

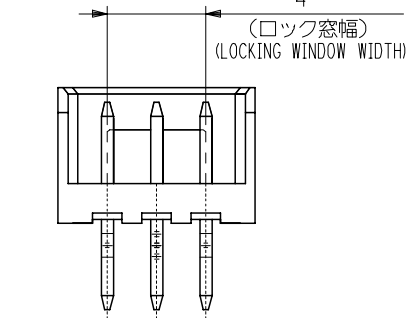
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基板取付穴寸法 (参考) (t=1.6)
RECOMMENDED P.C. BOARD HOLE DIM. (REFERENCE)



2極の場合
IN CASE OF 2 CIRCUIT WAFER



3極の場合
IN CASE OF 3 CIRCUIT WAFER

