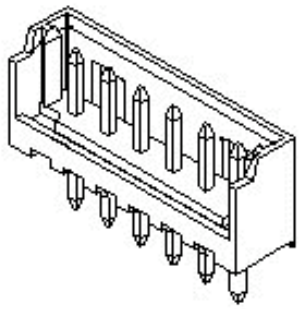
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51065-016 (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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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

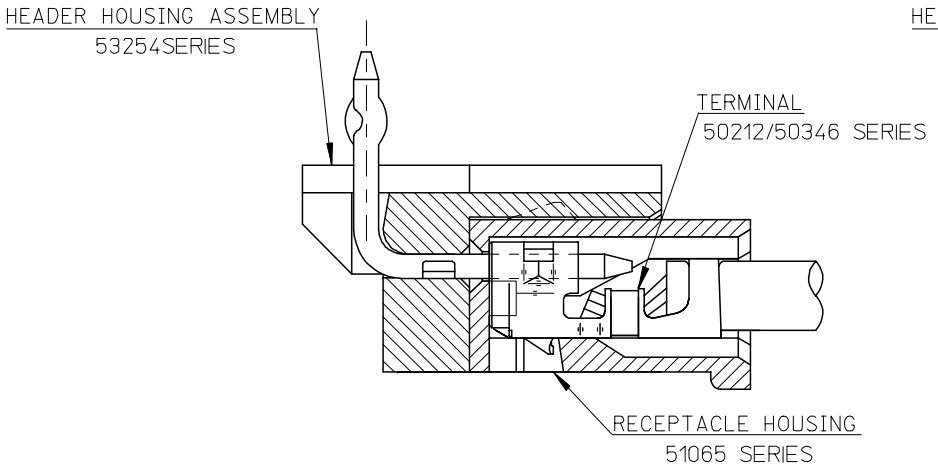
Material Info

Reference - Drawing Numbers

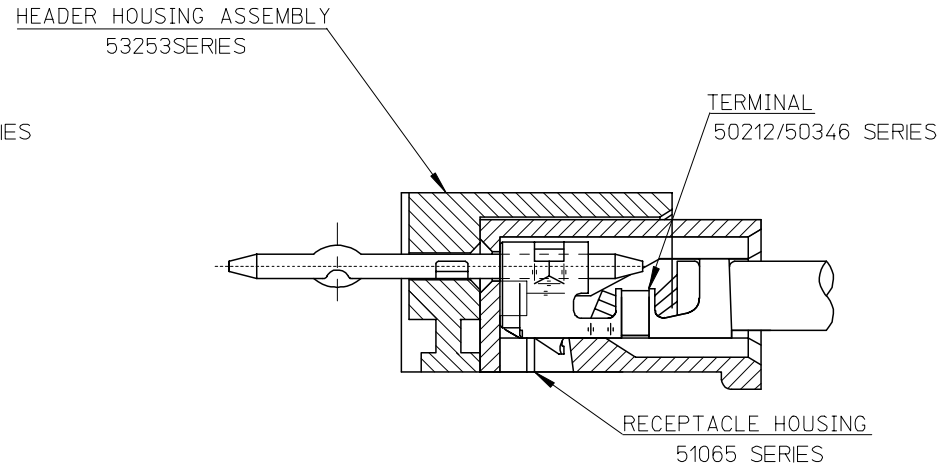
Packaging Specification	SPK-53253-001
Product Specification	PS-51065-016, RPS-51065-001, RPS-51065-006, RPS-51065-007, RPS-51065-013, RPS-51065-015, RPS-51065-023, RPS-51065-026, RPS-51065-027, RPS-51065-028, RPS-51065-030
Sales Drawing	SD-51065-006, SD-53253-001

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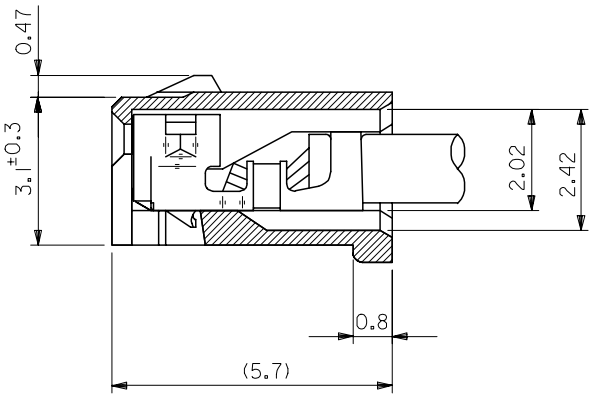
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



51065シリーズ/53254シリーズ　嵌合状態図　参考
51065 SERIES/53254 SERIES MATED DRAWING (REF.)



51065シリーズ/53253シリーズ　嵌合状態図　参考
51065 SERIES/53253 SERIES MATED DRAWING (REF.)



ターミナル装着状態図
TERMINAL ASS'Y DWG.

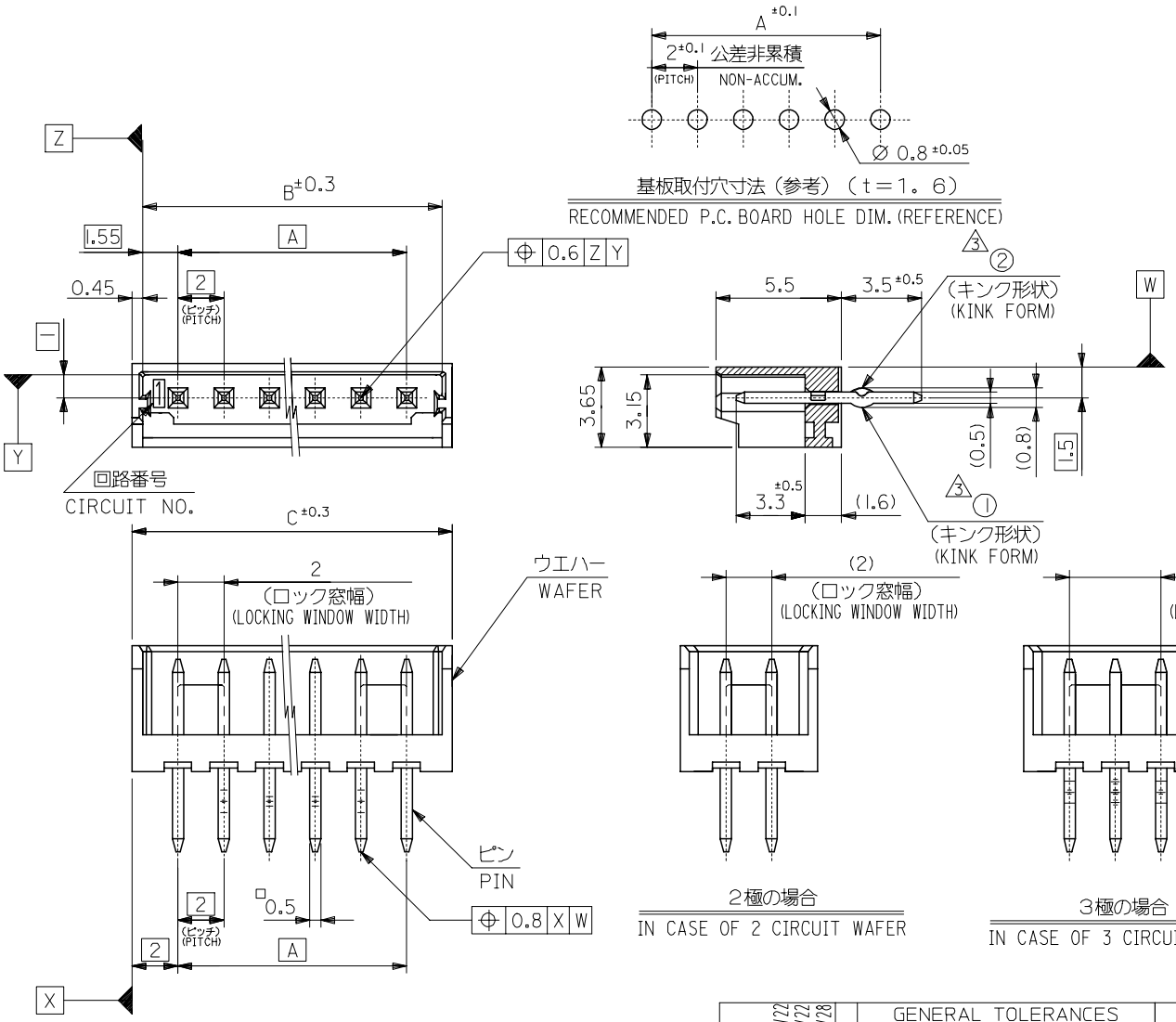
RELEASED
EC NO: J2008-2041
DRWN:YAOYAGI 2007/11/21
CHKD:THARUYAMA 2007/11/22
APPR:NUKITA 2007/11/22
DESCRIPTION
REV
0

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: Y.AOYAGI DATE: 2007/11/13	TITLE: NEW 2.0 W/B CONN. 51065/53253OR51065/53254		
CHECKED BY: N.UKITA DATE: 2007/11/13			
APPROVED BY: N.UKITA DATE: 2007/11/13	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-51065-006	SHEET NO.: 1 OF 1	
SIZE: A3	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
3. キンクは下記表の位置及び形状に付加のこと。2極はキンク無し。
   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	

REVISED
EC NO: J2005-2396 2005/02/22
DRWN:NAIDA 2005/02/22
CHKD:KTOJO 2005/02/28
APPR:NUKITA
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: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: T.TSUBOI DATE: '04/01/15
CHECKED BY: S.MARUYAMA DATE: '04/01/15
APPROVED BY: M.SASAO DATE: '04/01/15
MATERIAL NO.: SEE CHART

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

MOLEX INCORPORATED

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

SIZE A3

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