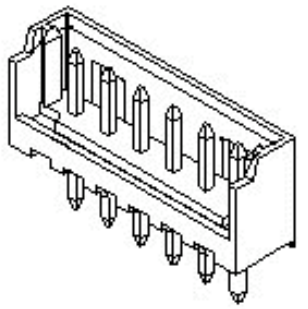
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0532531380
Status: Active
Overview: microlatch
Description: 2.00mm (.079") Pitch Micro-Latch™ Wire-to-Board Header, Vertical, Square Pin, Three-sided Shroud, Lead-free, 13 Circuits, PC Tail Length 2.30mm (.091")



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
Overview	microlatch
Product Name	Micro-Latch™

Physical

Breakaway	No
Circuits (Loaded)	13
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

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

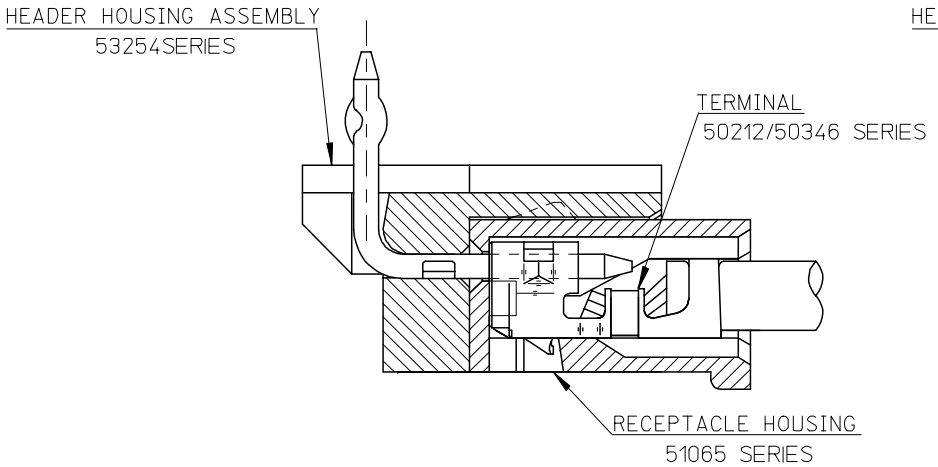
Material Info

Reference - Drawing Numbers

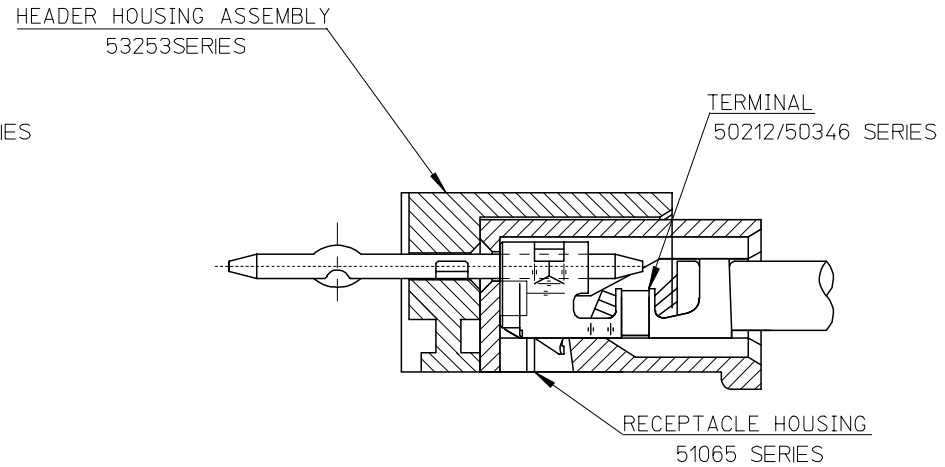
Product Specification	PS-51065-016, RPS-51065-026, RPS-51065-030
Sales Drawing	SD-51065-006, SD-53253-003

This document was generated on 05/25/2010

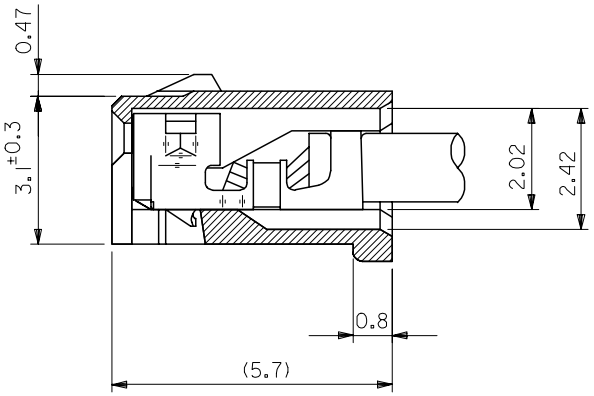
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51065シリーズ/53254シリーズ　嵌合状態図　参考
51065 SERIES/53254 SERIES MATED DRAWING (REF.)



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

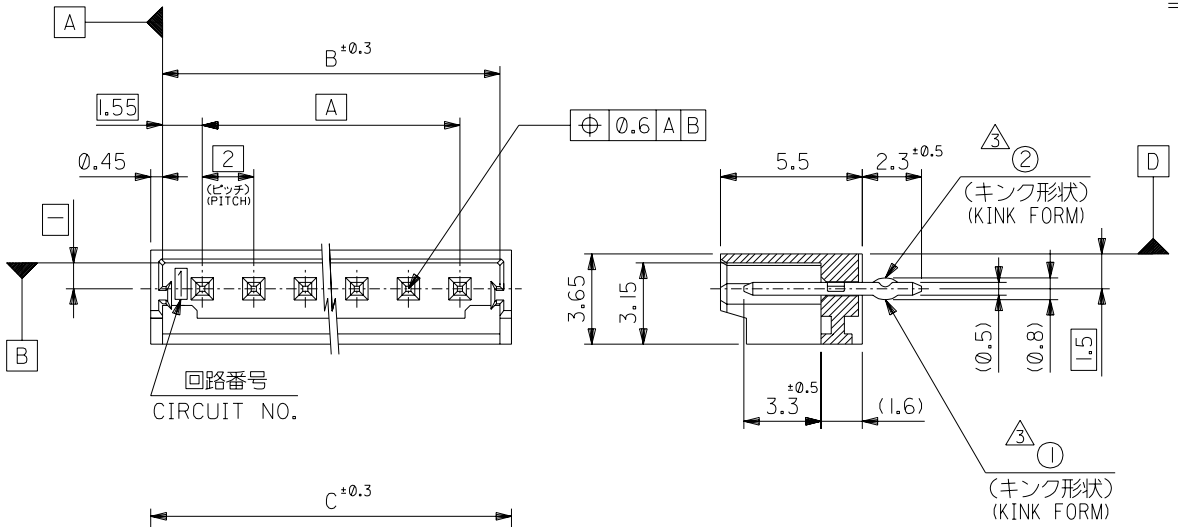
GENERAL TOLERANCES (UNLESS SPECIFIED)

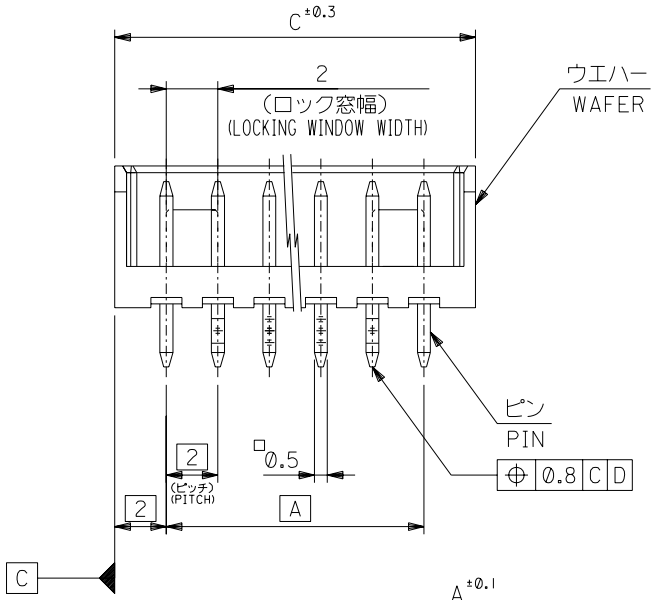
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

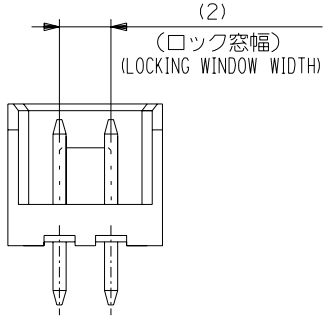
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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		

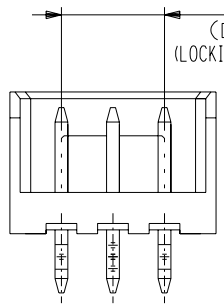
DWG. NO. SD-53253-003



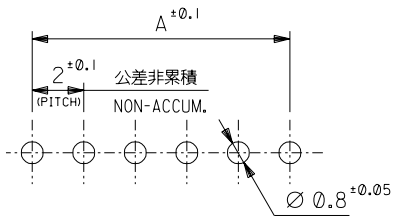




2極の場合
IN CASE OF 2 CIRCUIT WAFER



3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-**20 の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 53253-**20.

MODEL NO.	C	B	A	MATERIAL NO.	CKT. 極数
53253-**80	6	5.1	2	53253-0280	2
	8	7.1	4	-0380	3
	10	9.1	6	-0480	4
	12	11.1	8	-0580	5
	14	13.1	10	-0680	6
	16	15.1	12	-0780	7
	18	17.1	14	-0880	8
	20	19.1	16	-0980	9
	22	21.1	18	-1080	10
	24	23.1	20	-1180	11
	26	25.1	22	-1280	12
	28	27.1	24	-1380	13
	30	29.1	26	-1480	14
	32	31.1	28	53253-1580	15

角度 ANGLE	±3°
30 以上 30 未満 OVER UNDER	±0.3
10 以上 30 未満 OVER UNDER	±0.25
10 未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE
0	新規作成 RELEASED (J2004-4687)	M.N M.S	'04/06/11

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	
適用電線範囲 WIRE RANGE	
被覆外径 INS. RANGE	
DRAWN BY '04/06/11	M.NABEI
CHK'D BY '04/06/11	K.TOJO
APP'D BY '04/06/11	M.SASAO
尺度 SCALE	5 : 1

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
NEW 2.0 WIRE TO BOARD CONN.
WAFER ASS'Y (ST.)
-LEAD FREE-

DWG. NO. SD-53253-003　REV 0

SD-53253-003.S01

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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