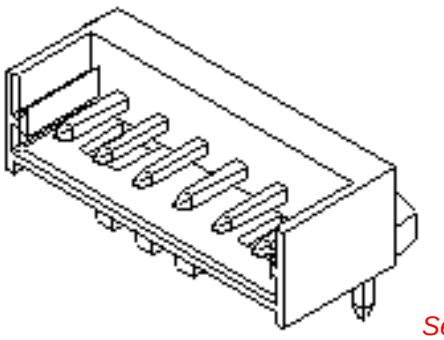
This document was generated on 06/07/2010

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0532540370
**Status:** Active
**Overview:** microlatch
**Description:** 2.00mm (.079") Pitch Micro-Latch™ Wire-to-Board Header, Right Angle, Square Pin, Three-sided Shroud, Lead-free, 3 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 | 53254 |
| Application | Wire-to-Board |
| MolexKits | Yes |
| Overview | microlatch |
| Product Name | Micro-Latch™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| 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 | Right Angle |
| 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**
Not Reviewed
**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**
53254Series

**Mates With**
51065 Crimp Housing. 50212 Crimp Terminal

## Electrical

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

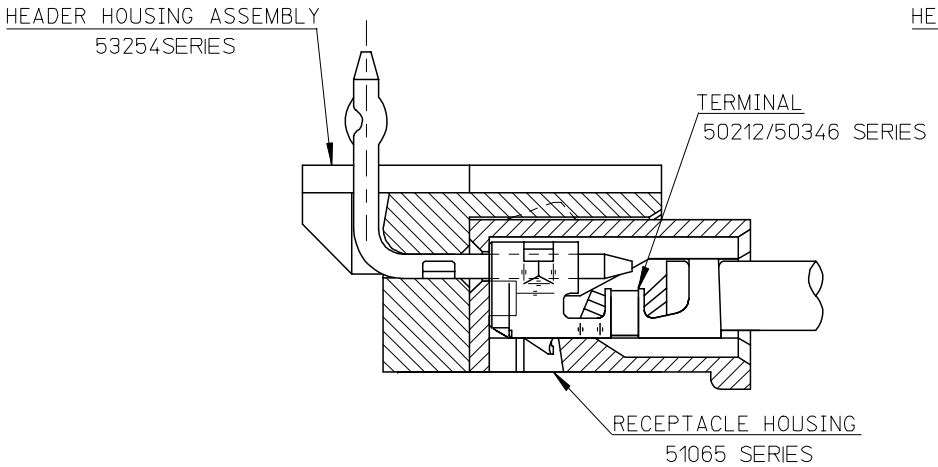
## Material Info

## Reference - Drawing Numbers

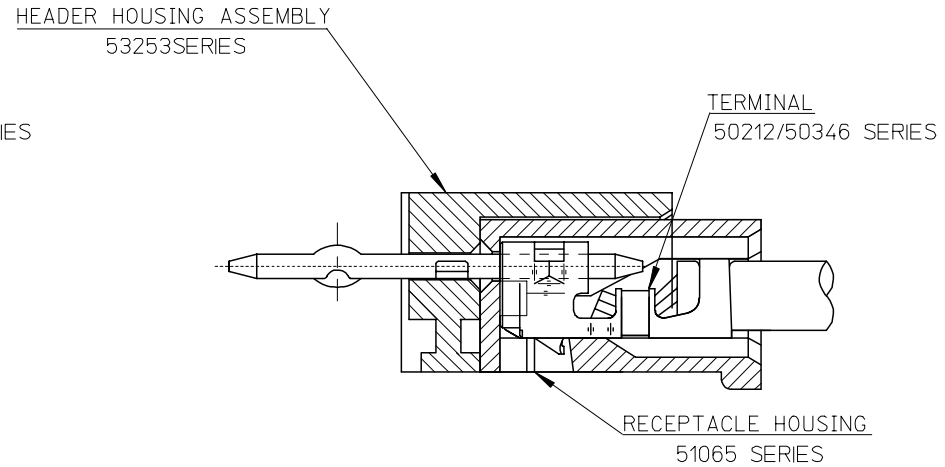
| | |
|---|---|
| Packaging Specification | SPK-53254-001 |
| Product Specification | PS-51065-016, RPS-51065-002, RPS-51065-006, RPS-51065-007, RPS-51065-013, RPS-51065-015, RPS-51065-021, RPS-51065-022, RPS-51065-025, RPS-51065-026 |
| Sales Drawing | SD-51065-006, SD-53254-001 |

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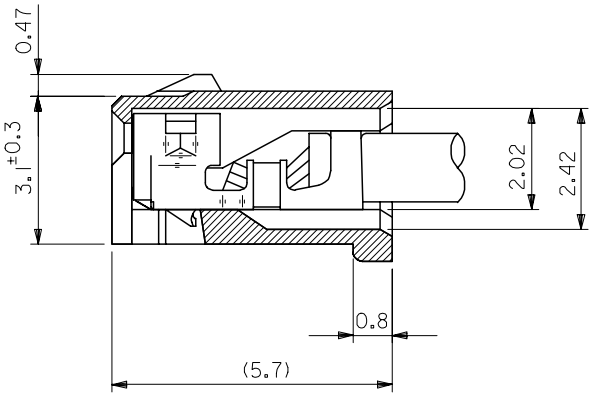
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**




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.

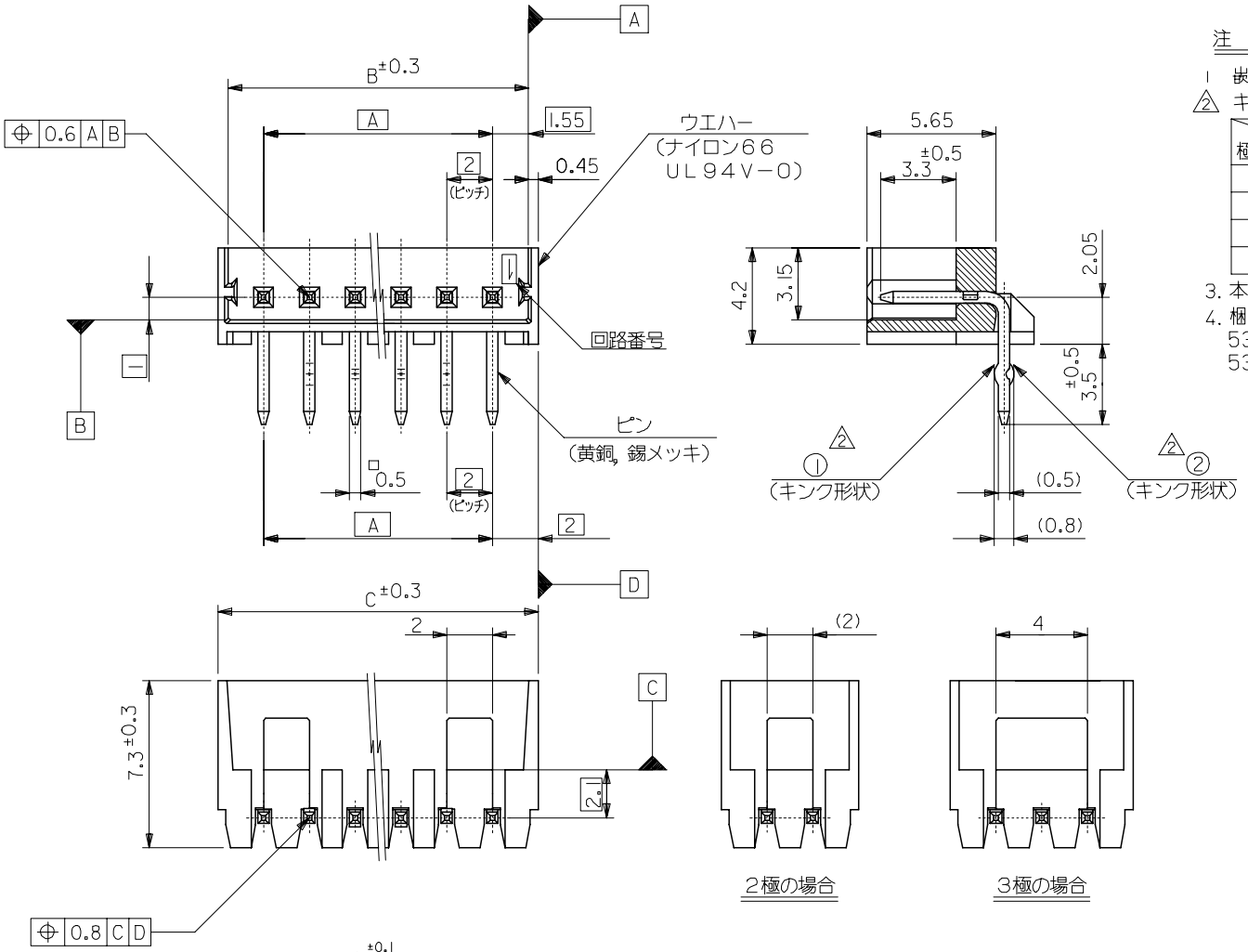
RELEASED
EC NO: J2008-2041
DRWN:YAOYAGI 2007/11/21
CHKD:THARUYAMA 2007/11/22
APPR:NUKITA 2007/11/22
DESCRIPTION
REV
0

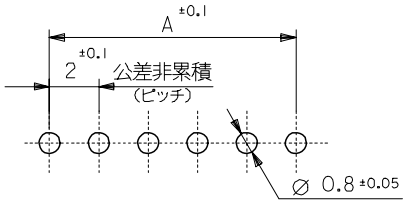
GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 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 | | |




基板取付穴寸法（参考）
（t＝1．6）

注　記

1　嵌合相手：51065-**00

△2　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。

| 極数＼回路番号 | 1 | 2 | 3 | 4 | 5 | N-2 | N-1 | N |
|---|---|---|---|---|---|---|---|---|
| 6極以上 | — | ① | ② | — | — | ② | ① | — |
| 5極 | ① | ② | — | ② | ① | | | |
| 4極 | ① | ② | ② | ① | | | | |
| 3極 | ① | ② | ① | | | | | |

3. 本製品は、53254-**10の鉛フリー品です。
4. 梱包仕様 PACKAGING
   53254-**70　トレー　TRAY
   53254-**50　ポリ袋　POLYBAG

| | | | | | |
|---|---|---|---|---|---|
| 32 | 31.1 | 28 | 53254-1550 | 53254-1570 | 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 | 53254-0250 | 53254-0270 | 2 |
| C | B | A | MATERIAL NO. | MATERIAL NO. | 極数 |
| | | | MODEL NO. | 53254-**70/**50 | |

REVISED
EC NO: J2005-2396　2005/02/22
DRWN:NAIDA　2005/02/22
CHKD:KTOJO　2005/02/28
APPR:NUKITA
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 |
| SCALE | 5:1 |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | TTSUBOI |
| DATE | '04/01/15 |
| CHECKED BY | SMARUYAM |
| DATE | '04/01/15 |
| APPROVED BY | MSASAO |
| DATE | '04/01/15 |
| MATERIAL NO. | SEE CHART |
| TITLE | NEW 2.0 WIRE TO BOARD CONN. WAFER ASSY R/A -LEAD FREE- |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-53254-001 |
| SHEET NO. | 1 OF 1 |
| SIZE | A3 |

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