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

**Part Number:** 0039532265
**Status:** Active
**Overview:**
**Description:** 1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Vertical, ZIF, 26 Circuits, Lead-free

## Agency Certification

| | |
|---|---|
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | FFC/FPC Connectors |
| Series | 5597 |
| Overview | ffc_fpc_throughhole |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 26 |
| Color - Resin | Natural |
| Contact Position | N/A |
| Durability (mating cycles max) | 30 |
| Entry Angle | Vertical |
| Flammability | 94V-0 |
| Mated Height (in) | 0.295 In |
| Mated Height (mm) | 7.50 mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin-Bismuth |
| Material - Plating Termination | Tin-Bismuth |
| Material - Resin | Polyester |
| 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 | None |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.049 In |
| Pitch - Mating Interface (mm) | 1.25 mm |
| Plating min: Mating (µin) | 40 |
| Plating min: Mating (µm) | 1 |
| Plating min: Termination (µin) | 40 |
| Plating min: Termination (µm) | 1 |
| Polarized to PCB | No |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -20°C to +80°C |
| Termination Interface: Style | Through Hole |
| Wire/Cable Type | FFC/FPC |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1A |
| Voltage - Maximum | 200V |

## Material Info

| | |
|---|---|
| Old Part Number | 5597-26CPB7F |

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-5597-001 |

**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

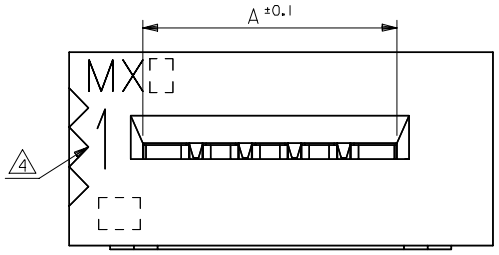
Please visit the Contact Us section for any non-product compliance questions.

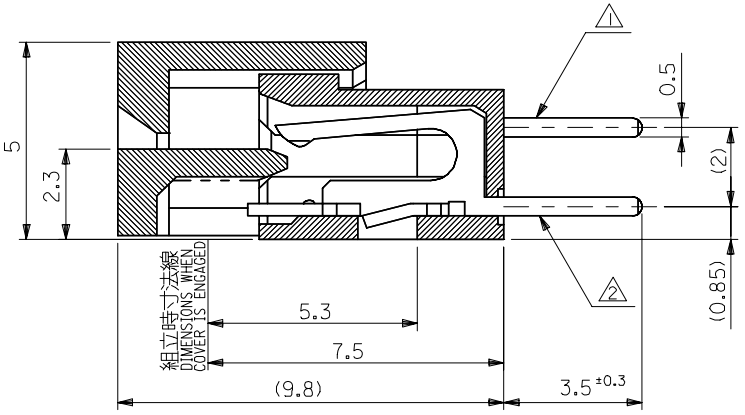
**Search Parts in this Series**
5597Series

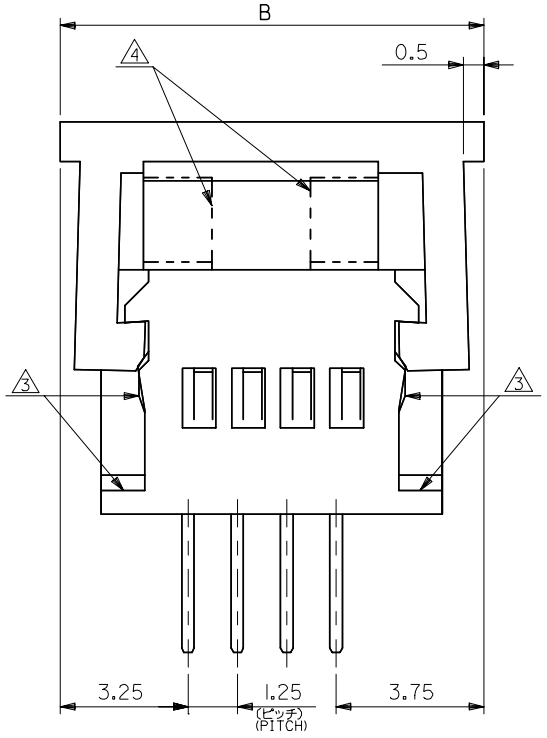
| | |
|---|---|
| Product Specification | PS-5597-004, RPS-5597-005, RPS-5597-006, RPS-5597-013, RPS-5597-014, RPS-5597-015, RPS-5597-016 |
| Sales Drawing | SD-5597-007 |

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| | | | | |
|---|---|---|---|---|
| 49.5 | 45.2 | 39-53-2355 | 5597-35CPB7F | 35 |
| 48.25 | 43.95 | -2345 | -34CPB7F | 34 |
| 47 | 42.7 | -2335 | -33CPB7F | 33 |
| 45.75 | 41.45 | -2325 | -32CPB7F | 32 |
| 44.5 | 40.2 | -2315 | -31CPB7F | 31 |
| 43.25 | 38.95 | -2305 | -30CPB7F | 30 |
| 42 | 37.7 | -2295 | -29CPB7F | 29 |
| 40.75 | 36.45 | -2285 | -28CPB7F | 28 |
| 39.5 | 35.2 | -2275 | -27CPB7F | 27 |
| 38.25 | 33.95 | -2265 | -26CPB7F | 26 |
| 37 | 32.7 | -2255 | -25CPB7F | 25 |
| 35.75 | 31.45 | -2245 | -24CPB7F | 24 |
| 34.5 | 30.2 | -2235 | -23CPB7F | 23 |
| 33.25 | 28.95 | -2225 | -22CPB7F | 22 |
| 32 | 27.7 | -2215 | -21CPB7F | 21 |
| 30.75 | 26.45 | -2205 | -20CPB7F | 20 |
| 29.5 | 25.2 | -2195 | -19CPB7F | 19 |
| 28.25 | 23.95 | -2185 | -18CPB7F | 18 |
| 27 | 22.7 | -2175 | -17CPB7F | 17 |
| 25.75 | 21.45 | -2165 | -16CPB7F | 16 |
| 24.5 | 20.2 | -2155 | -15CPB7F | 15 |
| 23.25 | 18.95 | -2145 | -14CPB7F | 14 |
| 22 | 17.7 | -2135 | -13CPB7F | 13 |
| 20.75 | 16.45 | -2125 | -12CPB7F | 12 |
| 19.5 | 15.2 | -2115 | -11CPB7F | 11 |
| 18.25 | 13.95 | -2105 | -10CPB7F | 10 |
| 17 | 12.7 | -2095 | -09CPB7F | 9 |
| 15.75 | 11.45 | -2085 | -08CPB7F | 8 |
| 14.5 | 10.2 | -2075 | -07CPB7F | 7 |
| 13.25 | 8.95 | -2065 | -06CPB7F | 6 |
| 12 | 7.7 | -2055 | -05CPB7F | 5 |
| 10.75 | 6.45 | -2045 | -04CPB7F | 4 |
| 9.5 | 5.2 | 39-53-2035 | 5597-03CPB7F | 3 |
| B | A | EDP.NO. | ENG. NO. | 極数 |

MODEL NO. 5597-NCPB7F

REVISED
EC NO: J2005-1741 2004/12/14
DRWN:ESUZUKI 2004/12/14
CHKD:KTOJO 2004/12/21
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR ±3 ° | |

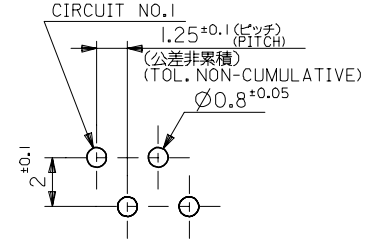
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

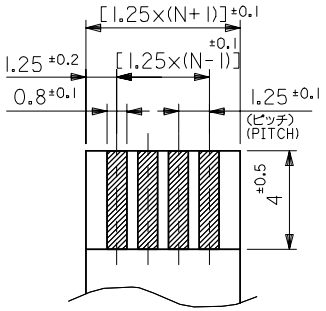
DRAWN BY: YWADA DATE: 04/02/19
CHECKED BY: MSASAO DATE: 04/02/19
APPROVED BY: MSASAO DATE: 04/02/19
MATERIAL NO.: SEE CHART

TITLE: 1.25 FPC CONN ASSY ZIF -LEAD FREE-
MOLEX INCORPORATED
DOCUMENT NO.: SD-5597-007
SHEET NO.: 1 OF 2
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION




基板取付穴推奨寸法(t=1.6)
RECOMMENDED P.C. BOARD HOLE DIMENSION (SCALE 5:1)




適合ＦＰＣ／ＦＦＣ推奨寸法
RECOMMENDED FPC/FFC
厚さ THK : 0.3±0.05 (SCALE 5:1)

ＦＰＣについて：
打抜き方向は導体側から補強板側を推奨いたします。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION :
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL:
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

注記 NOTES

1. ＭＸＪ側を基準に奇数番目の極におけるソルダーテール。
SOLDER TAIL OF ODD CKTS,MXJ MARK AS BASIC.
2. ＭＸＪ側を基準に偶数番目の極におけるソルダーテール。
SOLDER TAIL OF EVEN CKTS,MXJ MARK AS BASIC.
3. ３極～１０極に適用。APPLY FOR 3-10 CKTS.
4. ３極～１９極に適用。APPLY FOR 3-19 CKTS.
5. （　）内寸法は、参考値。
（　）DIMENSION IS FOR REFERENCE.
6. ソルダーテールは、先端が取付推奨穴にガイドされること。
ガイドされること。
SOLDER TAILS MAY BE CHECKEDBY INSERSION FOR RECOMMENDED PCB BOARD HOLES.
7. 使用材料
MATERIAL
ハウジング、アクチュエーター：ＰＢＴＰ，ＵＬ９４Ｖ－０
HOUSING, ACTUATOR: PBTP,UL94V-0
ターミナル：リン青銅（ｔ＝０．３）
PHOSPHOR BRONZE (t=0.3)
錫ビスマスメッキ　１．０μｍ　ＭＩＮ．
TIN-BISMUTH 1.0 MICROMETER MIN.
ニッケル下地　１．０μｍ　ＭＩＮ．
NICKEL 1.0 MICROMETER MIN.
8. 本製品は５５９７－ＮＣＰＢの鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 5597-NCPB.

REVISED
EC NO: J2005-1741 2004/12/14
DRWN:ESUZUKI 2004/12/14
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|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | --- |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY / DATE | YWADA 04/02/19 |
| CHECKED BY / DATE | MSASAO 04/02/19 |
| APPROVED BY / DATE | MSASAO 04/02/19 |
| MATERIAL NO. | SEE CHART |
| TITLE | 1.25 FPC CONN ASSY ZIF -LEAD FREE- |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-5597-007 |
| SHEET NO. | 2 OF 2 |
| SIZE | A3 |

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