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Part Number:

0039532054

Status:

Active

Overview:

Description:

1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Right Angle, ZIF, Top Contact Style, 5 Circuits, Lead-free

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto: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

Agency Certification

UL E29179

General

Product Family FFC/FPC Connectors  
Series 5597  
Overview ffc\_fpc\_throughhole  
Product Name N/A

Physical

Circuits (Loaded) 5  
Color - Resin Natural  
Contact Position Top  
Durability (mating cycles max) 30  
Entry Angle 90° Angle  
Flammability 94V-0  
Mated Height (in) 0.197 In  
Mated Height (mm) 5.00 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin-Bismuth  
Material - Plating Termination Tin-Bismuth  
Material - Resin Polyester  
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 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 5597-05APB7F

Reference - Drawing Numbers

Packaging Specification SPK-5597-003

Product Specification

Sales Drawing

PS-5597-004, RPS-5597-005, RPS-5597-006,  
RPS-5597-013, RPS-5597-014, RPS-5597-015  
SD-5597-011

This document was generated on 06/04/2010

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F

E

D

C

B

A



注記 NOTES

- △ MX J側を基準に奇数番目の極におけるソルダテール。  
SOLDER TAIL OF ODD CKTS, MXJ MARK AS BASIC.
- △ MX J側を基準に偶数番目の極におけるソルダテール。  
SOLDER TAIL OF EVEN CKTS, MXJ MARK AS BASIC.
- △ 3極～10極に適用。APPLY FOR 3-10 CKTS.
- △ 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. ソルダテールは、先端が取付推奨穴にガイドされること。  
SOLDER TAILS MAY BE CHECKED BY INSERTION FOR RECOMMENDED PCB BOARD HOLES.
7. 本製品は5597-NAPBの鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 5597-NAPB.

|       |       |            |              |            |
|-------|-------|------------|--------------|------------|
| 48.25 | 43.95 | 39-53-2344 | 5597-34APB7F | 34         |
| 47.00 | 42.70 | -2334      | -33APB7F     | 33         |
| 45.75 | 41.45 | -2324      | -32APB7F     | 32         |
| 44.50 | 40.20 | -2314      | -31APB7F     | 31         |
| 43.25 | 38.95 | -2304      | -30APB7F     | 30         |
| 42.00 | 37.70 | -2294      | -29APB7F     | 29         |
| 40.75 | 36.45 | -2284      | -28APB7F     | 28         |
| 39.50 | 35.20 | -2274      | -27APB7F     | 27         |
| 38.25 | 33.95 | -2264      | -26APB7F     | 26         |
| 37.00 | 32.70 | -2254      | -25APB7F     | 25         |
| 35.75 | 31.45 | -2244      | -24APB7F     | 24         |
| 34.50 | 30.20 | -2234      | -23APB7F     | 23         |
| 33.25 | 28.95 | -2224      | -22APB7F     | 22         |
| 32.00 | 27.70 | -2214      | -21APB7F     | 21         |
| 30.75 | 26.45 | -2204      | -20APB7F     | 20         |
| 29.50 | 25.20 | -2194      | -19APB7F     | 19         |
| 28.25 | 23.95 | -2184      | -18APB7F     | 18         |
| 27.00 | 22.70 | -2174      | -17APB7F     | 17         |
| 25.75 | 21.45 | -2164      | -16APB7F     | 16         |
| 24.50 | 20.20 | -2154      | -15APB7F     | 15         |
| 23.25 | 18.95 | -2144      | -14APB7F     | 14         |
| 22.00 | 17.70 | -2134      | -13APB7F     | 13         |
| 20.75 | 16.45 | -2124      | -12APB7F     | 12         |
| 19.50 | 15.20 | -2114      | -11APB7F     | 11         |
| 18.25 | 13.95 | -2104      | -10APB7F     | 10         |
| 17.00 | 12.70 | -2094      | -09APB7F     | 9          |
| 15.75 | 11.45 | -2084      | -08APB7F     | 8          |
| 14.50 | 10.20 | -2074      | -07APB7F     | 7          |
| 13.25 | 8.95  | -2064      | -06APB7F     | 6          |
| 12.00 | 7.70  | -2054      | -05APB7F     | 5          |
| 10.75 | 6.45  | -2044      | -04APB7F     | 4          |
| 9.50  | 5.20  | 39-53-2034 | 5597-03APB7F | 3          |
| B     | A     | EDP NO.    | ENG NO.      | 極数<br>CKT. |

MODEL NO. 5597-NAPB7F

|                                                                                                           |
|-----------------------------------------------------------------------------------------------------------|
| 材料<br>MATERIAL<br>HOUSING, ACTUATOR : PBTP, UL94V-0<br>TERMINAL : PHOSPHOR-BRONZE<br>THK : 0.3t           |
| 仕上げ<br>FINISH<br>TIN-BISMUTH :<br>10 MICROMETER MINIMUM<br>OVER NICKEL PLATING :<br>10 MICROMETER MINIMUM |
| 適用電線範囲<br>WIRE RANGE                                                                                      |
| 被覆外径<br>INS. RANGE                                                                                        |

|                |                   |            |
|----------------|-------------------|------------|
| REVISED        | EC NO. J2007-2876 | 2007/04/19 |
| DRW:KSAIT001   | 2007/04/19        |            |
| CHKD:THARUYAMA | 2007/04/19        |            |
| APPR:NUKITA    | 2007/04/20        |            |
| DESCRIPTION    |                   |            |
| REV            | B                 |            |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        |
|------------------------------------------------------------|--------|
| 10 UNDER                                                   | ± 0.2  |
| 10 OVER 30 UNDER                                           | ± 0.25 |
| 30 OVER                                                    | ± 0.3  |
| ANGULAR                                                    | ± 3 °  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |

| DIMENSION STYLE<br>MM ONLY |           |
|----------------------------|-----------|
| DRAWN BY                   | DATE      |
| M. NAGATA                  | '04/05/10 |
| CHECKED BY                 | DATE      |
| K. TOJO                    | '04/05/10 |
| APPROVED BY                | DATE      |
| M. SASAO                   | '04/05/10 |
| MATERIAL NO.               |           |
| SIZE                       |           |
| A3                         |           |

| SCALE                                                                                                                            | DESIGN UNITS | TITLE                                         | SHEET NO. |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------|-----------|
| ---                                                                                                                              | METRIC       | 1.25 FPC CONNECTOR<br>ASSY ZIF<br>-LEAD FREE- | 1 OF 2    |
| MOLEX INCORPORATED                                                                                                               |              | SD-5597-011                                   |           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                               |           |



適合FPC/FFC推奨寸法  
RECOMMENDED FPC/FFC  
厚さ THK : 0.3±0.05

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

FPC/FFC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。  
導体膜については軟銅箔35マイクロメートルまたは50マイクロメートルを推奨いたします。  
ABOUT FPC/FFC  
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
RECOMMENDED CONDUCTOR SPEC :  
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER.  
FPCについて:  
補強フィルム材質はポリイミドを推奨します。  
接着剤は熱硬化接着剤を推奨します。  
ABOUT FPC  
RECOMMENDED MATERIAL :  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT

|                                                                                                                                  |  |                                                              |  |                                                            |  |                                        |  |                                                        |  |                        |  |                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|--|------------------------------------------------------------|--|----------------------------------------|--|--------------------------------------------------------|--|------------------------|--|----------------------------------------------------|--|
| REVISED<br>EC NO: J2007-2876<br>DRWNG: SALT001<br>CHKD: THARUYAMA<br>APPR: NUKITA<br>B                                           |  | DESCRIPTION<br>2007/04/19<br>2007/04/19<br>2007/04/20<br>REV |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY             |  | SCALE<br>---                                           |  | DESIGN UNITS<br>METRIC |  | MODEL NO. 5597-NAPB7F<br>THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                                  |  |                                                              |  | 10 UNDER ±0.2                                              |  | DRAWN BY DATE<br>M. NAGATA '04/05/10   |  | TITLE<br>1.25 FPC CONNECTOR<br>ASSY ZIF<br>-LEAD FREE- |  |                        |  |                                                    |  |
|                                                                                                                                  |  |                                                              |  | 10 OVER 30 UNDER ±0.25                                     |  | CHECKED BY DATE<br>K. TOJO '04/05/10   |  |                                                        |  |                        |  |                                                    |  |
|                                                                                                                                  |  |                                                              |  | 30 OVER ±0.3                                               |  | APPROVED BY DATE<br>M. SASAO '04/05/10 |  | MOLEX INCORPORATED                                     |  |                        |  |                                                    |  |
|                                                                                                                                  |  |                                                              |  | ANGULAR ±3 °                                               |  | MATERIAL NO.                           |  |                                                        |  |                        |  |                                                    |  |
|                                                                                                                                  |  |                                                              |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A3                             |  | SEE CHART<br>SD-5597-011                               |  |                        |  | 2 OF 2                                             |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                              |  |                                                            |  |                                        |  |                                                        |  |                        |  |                                                    |  |



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Электрон  
Связь**

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