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Part Number:

0039532154

Status:

Active

Overview:

Description:

1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Right Angle, ZIF, Top Contact Style, 15 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)

15

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

5597-15APB7F

Reference - Drawing Numbers

Packaging Specification

SPK-5597-003

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

Product Specification

Sales Drawing

PS-5597-004, RPS-5597-005, RPS-5597-006,  
RPS-5597-008, RPS-5597-013, RPS-5597-014,  
RPS-5597-015  
SD-5597-011

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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. |

|                                                                                                           |
|-----------------------------------------------------------------------------------------------------------|
| 材料<br>MATERIAL<br>HOUSING, ACTUATOR : PBTP, UL94V-0<br>TERMINAL : PHOSPHOR-BRONZE<br>THK : 0.01           |
| 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<br>M. NAGATA      | DATE<br>'04/05/10 |
| CHECKED BY<br>K. TOJO      | DATE<br>'04/05/10 |
| APPROVED BY<br>M. SASAO    | DATE<br>'04/05/10 |
| MATERIAL NO.               |                   |
| SEE CHART                  |                   |
| SIZE<br>A3                 |                   |

|                                                                                                                                  |                        |                       |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|
| SCALE<br>---                                                                                                                     | DESIGN UNITS<br>METRIC | MODEL NO. 5597-NAPB7F |
| THIRD ANGLE PROJECTION                                                                                                           |                        |                       |
| TITLE<br>1.25 FPC CONNECTOR<br>ASSY ZIF<br>-LEAD FREE-                                                                           |                        |                       |
| MOLEX INCORPORATED                                                                                                               |                        |                       |
| DOCUMENT NO.<br>SD-5597-011                                                                                                      |                        | SHEET NO.<br>1 OF 2   |
| 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

(公差非累積)  
(TOL. NON-CUMULATIVE)  
1.25 ±0.1  
(ピッチ)  
(PITCH)  
5 ±0.1  
Ø0.8 ±0.05  
CIRCUIT NO.1  
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。  
導体部については軟銅箔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

MODEL NO. 5597-NAPB7F

|                                                                                 |             |                                                            |       |                            |                                                                                                                                  |                                                        |                        |                                                                                                                 |              |
|---------------------------------------------------------------------------------|-------------|------------------------------------------------------------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--------------|
| REVISED<br>EC NO: J2007-2876<br>DRAWN:KSAI1001<br>CHKD:THIRUYAMA<br>APPR:NIKITA | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>---                                           | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |              |
|                                                                                 |             | 10 UNDER                                                   | ±0.2  | DRAWN BY<br>M.NAGATA       | DATE<br>'04/05/10                                                                                                                | TITLE<br>1.25 FPC CONNECTOR<br>ASSY ZIF<br>-LEAD FREE- |                        |                                                                                                                 |              |
|                                                                                 |             | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>K.TOJO       | DATE<br>'04/05/10                                                                                                                |                                                        |                        |                                                                                                                 |              |
|                                                                                 |             | 30 OVER                                                    | ±0.3  | APPROVED BY<br>M.SASAO     | DATE<br>'04/05/10                                                                                                                | MOLEX MOLEX INCORPORATED                               |                        |                                                                                                                 |              |
|                                                                                 |             | ANGULAR ±3 °                                               |       | MATERIAL NO.               |                                                                                                                                  |                                                        |                        |                                                                                                                 | DOCUMENT NO. |
|                                                                                 |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                                                                                                                                  | SD-5597-011                                            |                        |                                                                                                                 | 2 OF 2       |
|                                                                                 | REV         |                                                            |       | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                        |                        |                                                                                                                 |              |

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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