

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039532165

Status:

Active

Overview:

Description:

1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Vertical, ZIF, 16 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)

16

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

5597-16CPB7F

Reference - Drawing Numbers

Packaging Specification

SPK-5597-001

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

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
SD-5597-007

Sales Drawing

This document was generated on 06/04/2010

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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

MODEL NO.	5597-NCPB7F	B	A	EDP.NO.	ENG. NO.	極数
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REVISED EC NO: J2005-1741 DRW: ESUZUKI CHK: KTOJO APP: NUKITA 2004/12/14 2004/12/14 2004/12/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER	± 0.2	DRAWN BY YWADA		DATE 04/02/19		TITLE 1.25 FPC CONN ASSY ZIF			
		10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO		DATE 04/02/19					
		30 OVER	± 0.3	APPROVED BY MSASAO		DATE 04/02/19		-LEAD FREE-			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-5597-007			1 OF 2		
	REV				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 MX J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 MX J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。
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)
錫ピスマスメッキ 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: J2005-4741 DRAWN:SUZUKI CHKD:KTOJO APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 04/02/19	-LEAD FREE- MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-5597-007		2 OF 2		
	REV A			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					