This document was generated on 06/04/2010

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Part Number: 0039532295
Status: Active
Overview:
Description: 1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Vertical, ZIF, 29 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)	29
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	5597-29CPB7F

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
Sales Drawing	SD-5597-007

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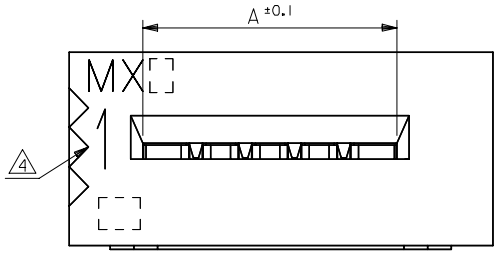

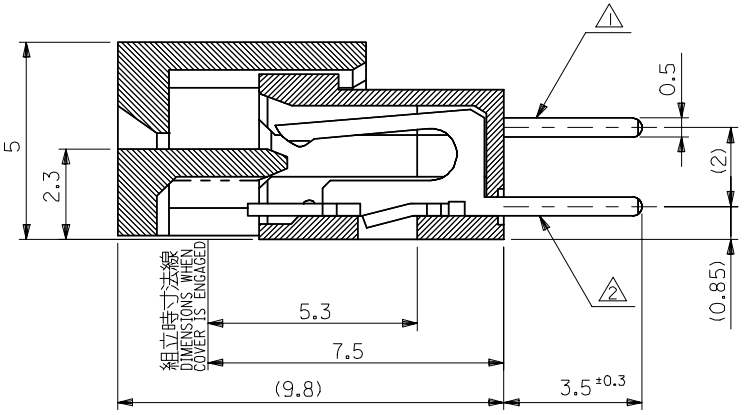

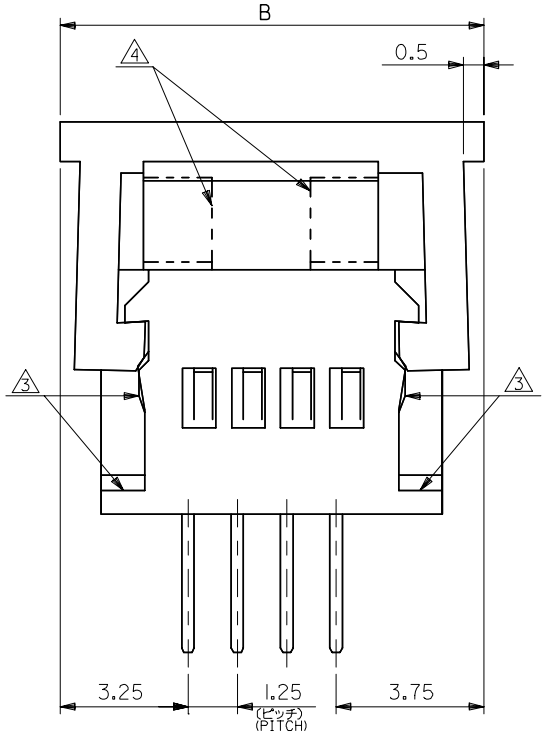

49.5	45.2	39-53-2355	5597-35CPB7F	35
48.25	43.95	-2345	-34CPB7F	34
47	42.7	-2335	-33CPB7F	33
45.75	41.45	-2325	-32CPB7F	32
44.5	40.2	-2315	-31CPB7F	31
43.25	38.95	-2305	-30CPB7F	30
42	37.7	-2295	-29CPB7F	29
40.75	36.45	-2285	-28CPB7F	28
39.5	35.2	-2275	-27CPB7F	27
38.25	33.95	-2265	-26CPB7F	26
37	32.7	-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
CH'KD: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

TITLE: 1.25 FPC CONN ASSY ZIF -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5597-007
SHEET NO.: 1 OF 2

SIZE A3

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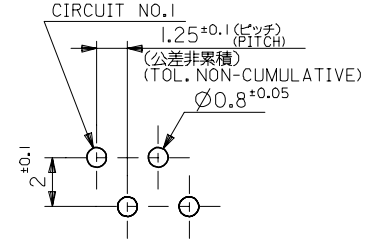
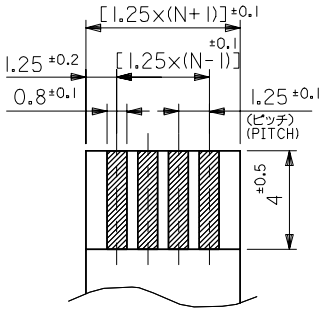


基板取付穴推奨寸法(t=1.6)
RECOMMENDED P.C. BOARD HOLE DIMENSION (SCALE 5:1)



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
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DRWN:ESUZUKI 2004/12/14
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DRAWN BY / DATE	YWADA 04/02/19
CHECKED BY / DATE	MSASAO 04/02/19
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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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