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Part Number: [0039532134](#)
Status: **Active**
Overview:
Description: 1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Right Angle, ZIF, Top Contact Style, 13 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) 13
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 5597-13APB7F

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
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

This document was generated on 06/04/2010

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F

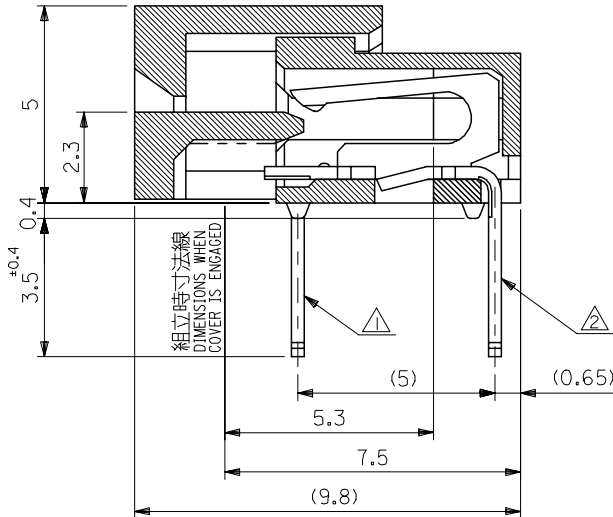
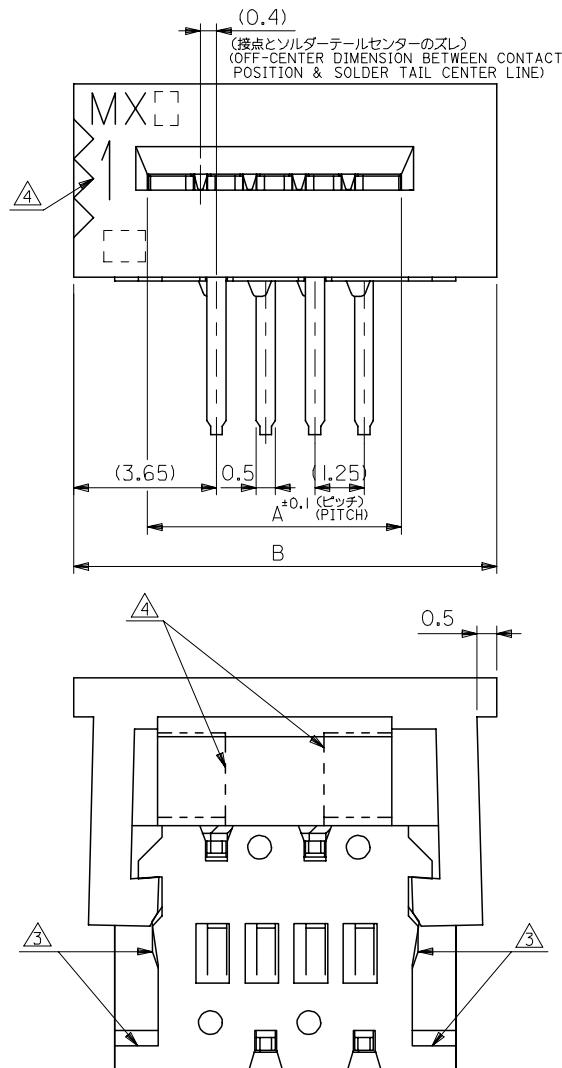
E

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 CKT.

MODEL NO. 5597-NAPB7F

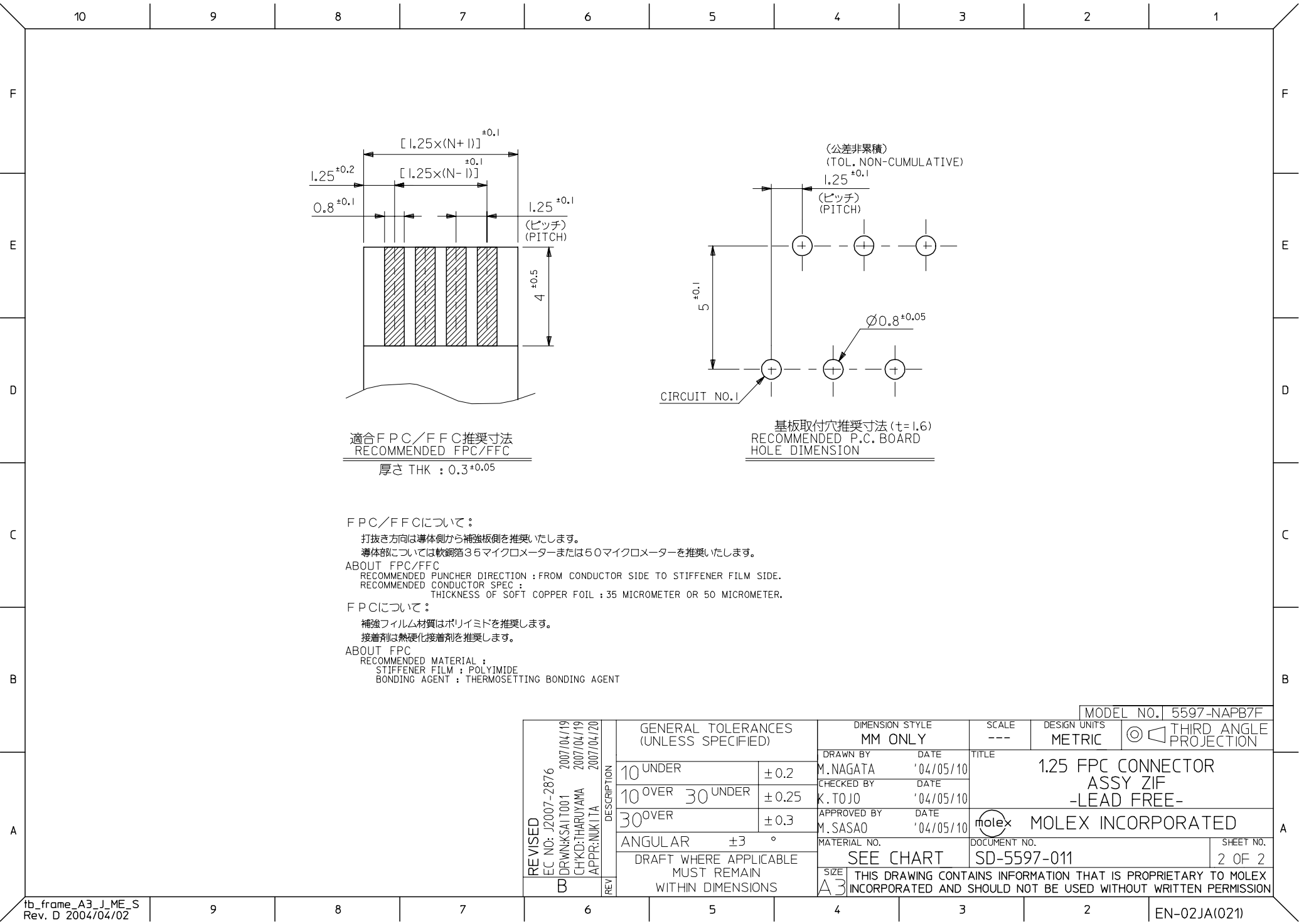
材料 MATERIAL HOUSING, ACTUATOR : PBTP, UL94V-0 TERMINAL : PHOSPHOR-BRONZE THK : 0.3t
仕上げ FINISH TIN-BISMUTH : 10 MICROMETER MINIMUM OVER NICKEL PLATING : 10 MICROMETER MINIMUM
適用電線範囲 WIRE RANGE
被覆外径 INS. RANGE

REVISED	EC NO: J2007-2876	2007/04/19
	DRWNG:SAIT001	2007/04/19
	CHKD:THARUYAMA	2007/04/19
	APPR:NUKITA	2007/04/20
B	DESCRIPTION	REV

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	
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.	
SEE CHART	
SIZE	
A3	

SCALE ---	DESIGN UNITS METRIC	TITLE 1.25 FPC CONNECTOR ASSY ZIF -LEAD FREE-
THIRD ANGLE PROJECTION		
DOCUMENT NO. SD-5597-011		SHEET NO. 1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX 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
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 EC NO: J2007-2876 DRAWN:KSAI T001 CHKD:THARUYAMA APPR:NUKI TA B	DESCRIPTION 2007/04/19 2007/04/19 2007/04/20	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M.NAGATA	DATE '04/05/10	TITLE 1.25 FPC CONNECTOR ASSY ZIF -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K.TOJO	DATE '04/05/10					
		30 OVER	± 0.3	APPROVED BY M.SASAO	DATE '04/05/10	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-5597-011		2 OF 2		
		REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					