

FPC/FFCについて

打ち抜き方向は導体側から補強板側を推奨致します。  
導体部については軟烙銅35 μmまたは50 μmを推奨致します。  
接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様お願い致します。  
FPC/FFCに規定された定格温度がFPC/FFC単体前提である場合が御座います。  
コネクタと組み合わせたの実使用において、接着層が劣化する等の信頼性を満足できないケースを回避する為、  
実機での評価/確認をお願い致します。

ABOUT FPC/FFC

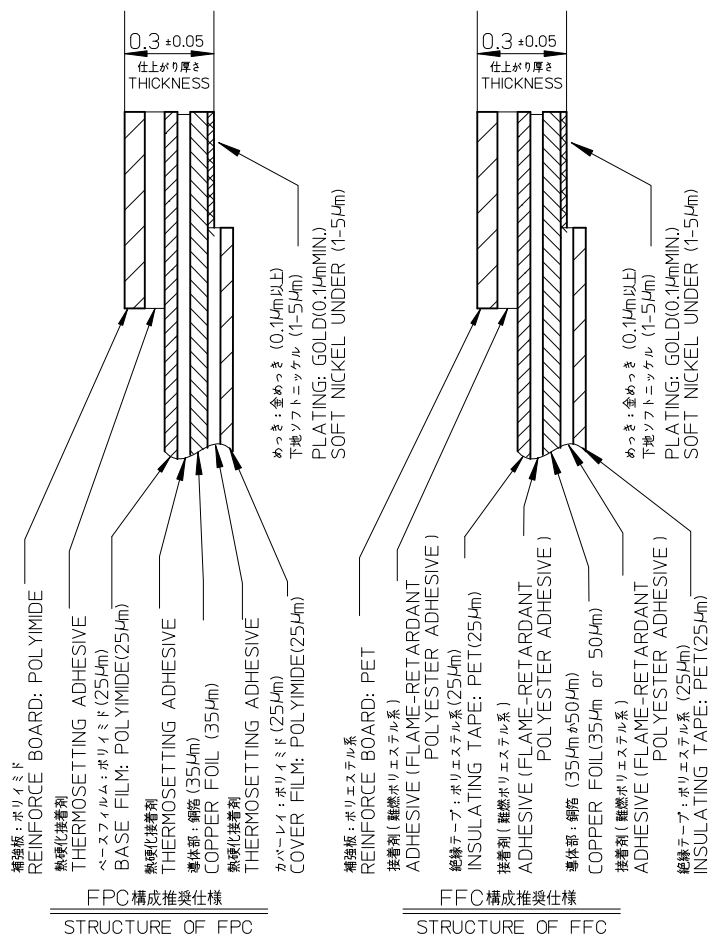
RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE  
RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL  
RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER  
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS  
A POSSIBILITY THAT EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY  
THE HEAT RESISTANCE OF FFC IS ONLY FFC SPEC  
TO PREVENT THE CASE THAT RELIABILITY CANNOT BE SATISFIED (THE ADHESIVE IS  
DETERIORATED etc.) PLEASE DO THE EVALUATION AND THE CONFIRMATION WITH  
ACTUAL CONNECTER

FPCについて

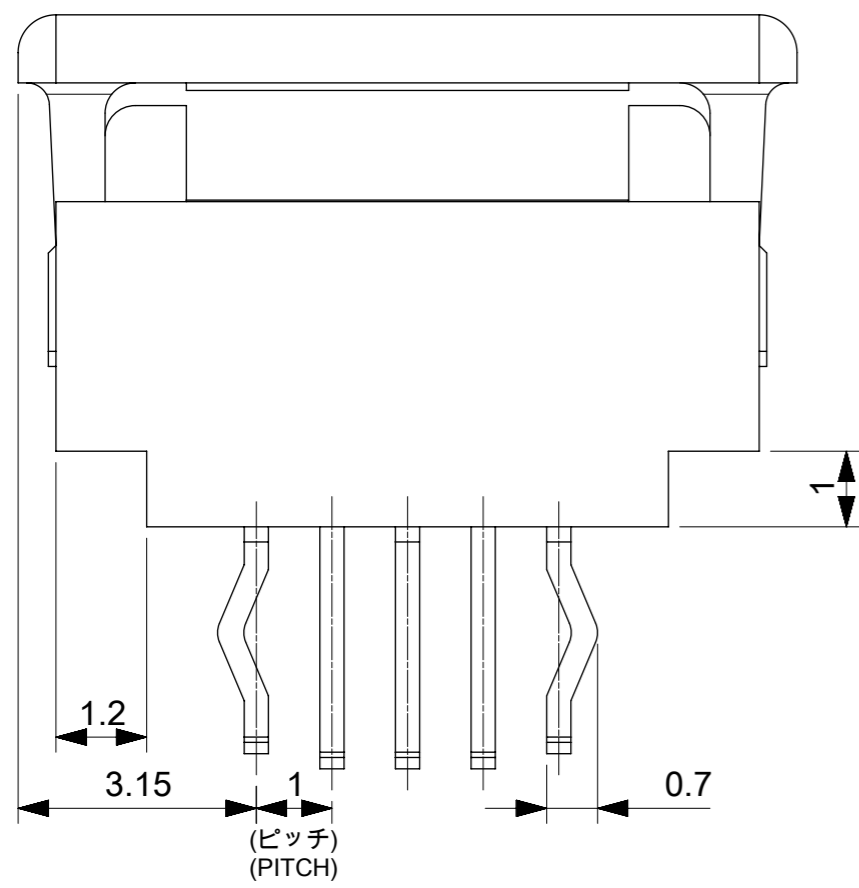
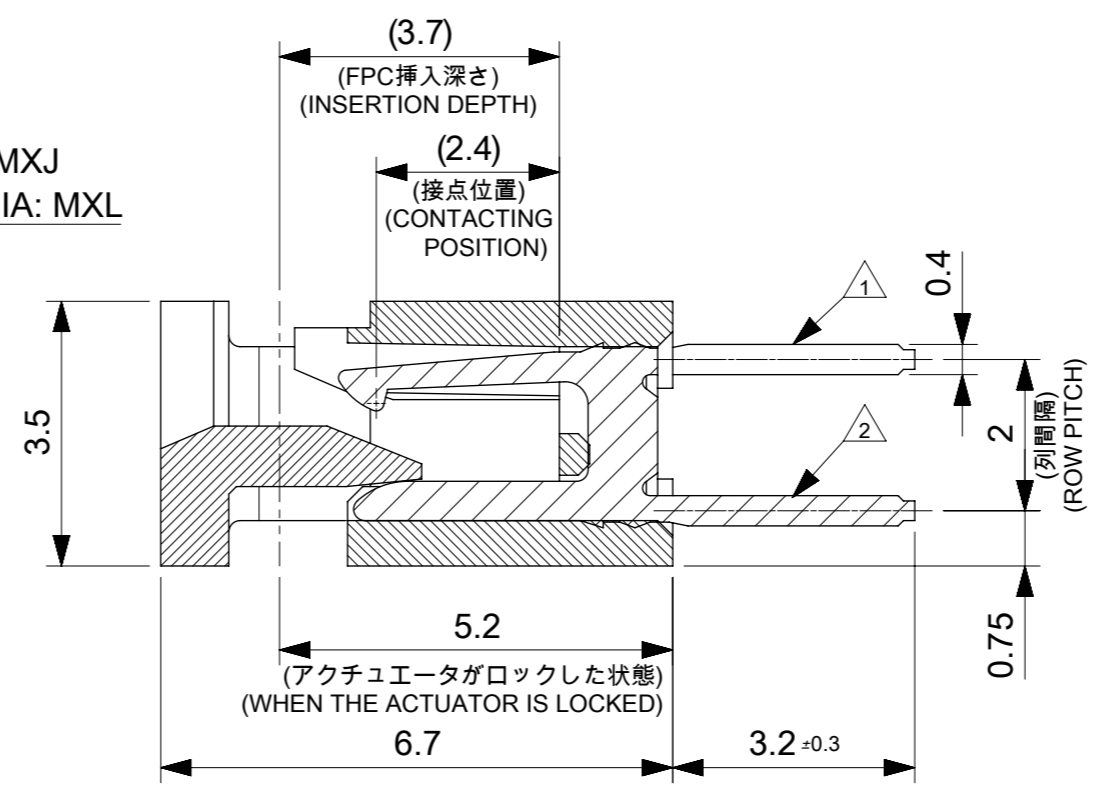
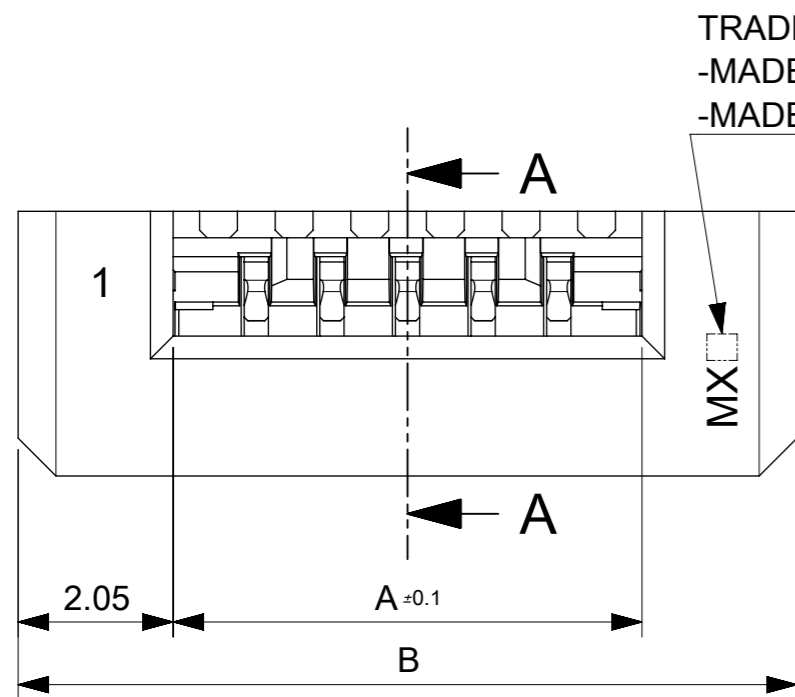
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25 μmを推奨します。  
接着剤は熱硬化接着剤を推奨します。

ABOUT FPC

RECOMMENDED STIFFENER MATERIAL: POLYIMIDE  
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER  
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE



REVISED EC NO: J2016-04.04 DRWN: NKONDO 2015/10/20 CHKD: KAKAHASHI 2015/10/20 APPR: YNOGAWA 2015/10/21	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	MODEL NO. 52030-**75	
	0.25 UNDER	UNDER	± 0.2	DRAWN BY NKONDO	DATE 2015/10/20	TITLE 1.0 FPC CONN ZIF ST		
	0.25 OVER	0.5 UNDER	± 0.2	CHECKED BY KAKAHASHI	DATE 2015/10/20	-LEAD FREE-		
	0.5 OVER	1.0 UNDER	± 0.2	APPROVED BY YNOGAWA	DATE 2015/10/21	molex		
	1.0 OVER	10 UNDER	± 0.2	MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-52030-019	SHEET NO. 2 OF 2	
	10 OVER	30 UNDER	± 0.25	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
	30 OVER		± 0.3	SIZE A3				
	ANGULAR	± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



注記  
NOTES

- △1 CKT.NO.1を基準に偶数番目のソルダーテール。  
EVEN NO. SOLDER TAIL.
- △2 CKT.NO.1を基準に奇数番目のソルダーテール。  
ODD NO. SOLDER TAIL.

3. 材料

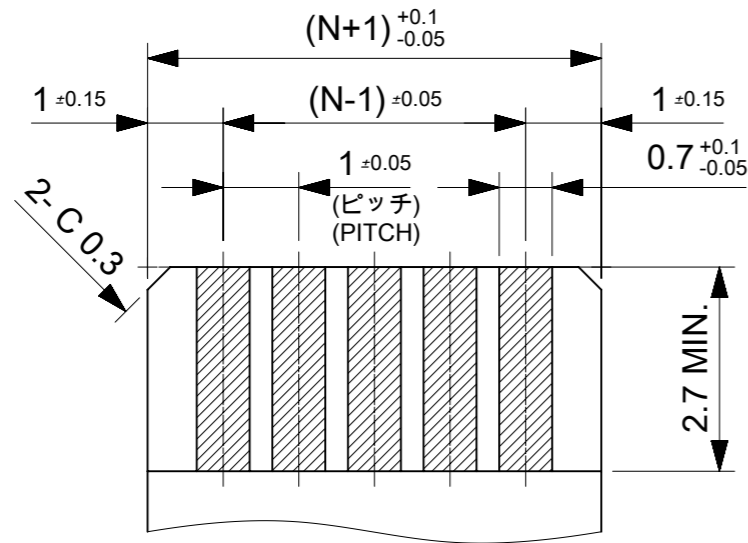
MATERIAL

ターミナル:リン青銅、ニッケル下地、錫ビスマスめっき (t=0.32)  
 TERMINAL:PHOSPHOR BRONZE, TIN-BISMUTH OVER NICKEL PLATING.  
 ハウジング:66ナイロン、UL94V-0  
 HOUSING:66NYLON, UL94V-0  
 アクチュエータ:ポリエステル、UL94V-0  
 ACTUATOR:POLYESTER, UL94V-0

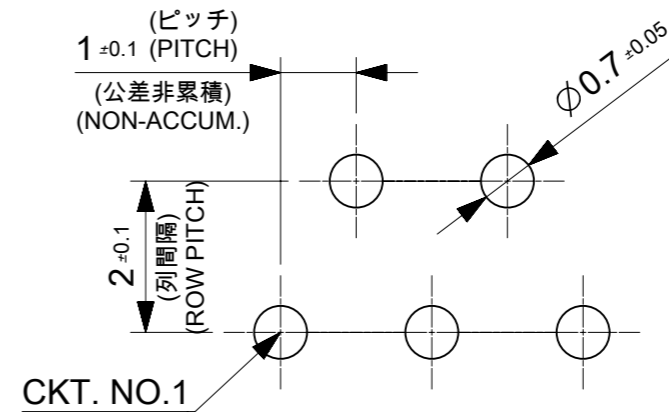
- 4. 本製品は、52030-\*\*10の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52030-\*\*10.

35.3	31.2	52030-3029	30
34.3	30.2	52030-2929	29
33.3	29.2	52030-2829	28
32.3	28.2	52030-2729	27
31.3	27.2	52030-2629	26
30.3	26.2	52030-2529	25
29.3	25.2	52030-2429	24
28.3	24.2	52030-2329	23
27.3	23.2	52030-2229	22
26.3	22.2	52030-2129	21
25.3	21.2	52030-2029	20
24.3	20.2	52030-1929	19
23.3	19.2	52030-1829	18
22.3	18.2	52030-1729	17
21.3	17.2	52030-1629	16
20.3	16.2	52030-1529	15
19.3	15.2	52030-1429	14
18.3	14.2	52030-1329	13
17.3	13.2	52030-1229	12
16.3	12.2	52030-1129	11
15.3	11.2	52030-1029	10
14.3	10.2	52030-0929	9
13.3	9.2	52030-0829	8
12.3	8.2	52030-0729	7
11.3	7.2	52030-0629	6
10.3	6.2	52030-0529	5
9.3	5.2	52030-0429	4
8.3	4.2	52030-0329	3
B	A	オーダー番号 ORDER NO.	極数 CKT.

QUALITY SYMBOLS ▽A = 0 ▽E = 0 ▽F = 0 ▼ = 0 ▽C = 0 ⊠ = 0 ■ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS <b>MM</b>		SCALE <b>10:1</b>								
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0 °		DRWN BY <b>JASANUMA</b>		DATE <b>2015/12/01</b>						<b>1.0 FPC CONN ZIF (ST)</b>		
	4 PLACES ± 0.2 3 PLACES ± 0.2 2 PLACES ± 0.2 1 PLACE ± 0.25 0 PLACES ± 0.3		CHK'D BY <b>KTAKAHASHI</b>		DATE <b>2015/12/08</b>		<b>PRODUCT CUSTOMER DRAWING</b>						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR BY <b>YNOGAWA</b>		DATE <b>2015/12/09</b>						SERIES <b>52030</b>		MATERIAL NUMBER <b>SEE CHART</b>
EC NO: 102046 DRWN: JASANUMA CHK'D: KTAKAHASHI APPR: YNOGAWA		A3		THIRD ANGLE PROJECTION		DOCUMENT NUMBER <b>520301000</b>		DOC TYPE <b>PSD</b>		DOC PART <b>000</b>		SHEET NUMBER <b>1 OF 2</b>	



(仕上がり厚さ:0.3±0.05)  
(THICKNESS:0.3±0.05)  
適合FPC推奨寸法  
APPLICABLE FPC RECOMMENDED DIM.



基板取付穴推奨寸法(t=1.6)  
RECOMMENDED P.C.BOARD HOLE DIM.(t=1.6)  
(マウント面)  
(MOUNT SURFACE)

FPCについて:

打ち抜き方向は、導体側から補強板側を推奨致します。  
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: THEROSETTING BONDING AGENT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
QUALITY SYMBOLS A = 0 E = 0 F = 0 G = 0 H = 0 I = 0 J = 0 K = 0 L = 0 M = 0 N = 0 O = 0 P = 0 Q = 0 R = 0 S = 0 T = 0 U = 0 V = 0 W = 0 X = 0 Y = 0 Z = 0	EC NO:	102046	DRWN:	JASANUMA	CHK'D:	KTAKAHASHI	APPR:	YNOGAWA	DRWN:	2015/12/01	CHK'D:	2015/12/08	APPR:	2015/12/09	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	 1.0 FPC CONN ZIF (ST)					
	4 PLACES		± 0.2		ANGULAR TOL ± 3.0 °		JASANUMA		2015/12/01		DATE		DATE		DATE		DATE					PRODUCT CUSTOMER DRAWING		
	3 PLACES		± 0.2		2 PLACES		± 0.2		KTAKAHASHI		2015/12/08		DATE		DATE		DATE					SERIES		
	2 PLACES		± 0.2		1 PLACE		± 0.25		YNOGAWA		2015/12/09		DATE		DATE		DATE					MATERIAL NUMBER		
	1 PLACE		± 0.25		0 PLACES		± 0.3		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3		THIRD ANGLE PROJECTION		CUSTOMER									
	0 PLACES		± 0.3		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3		THIRD ANGLE PROJECTION		52030			SEE CHART			GENERAL							
	SERIES		52030		MATERIAL NUMBER		SEE CHART		CUSTOMER			GENERAL			DOCUMENT NUMBER									
	DOCUMENT NUMBER		520301000		DOC TYPE		PSD		DOC PART		000		SHEET NUMBER											
	SHEET NUMBER		2 OF 2		RELEASE STATUS		P1		RELEASE DATE		09.12.2015		09:03:44											