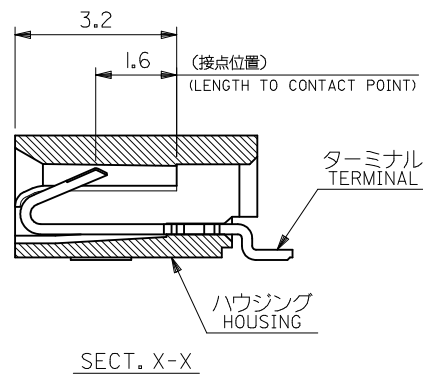
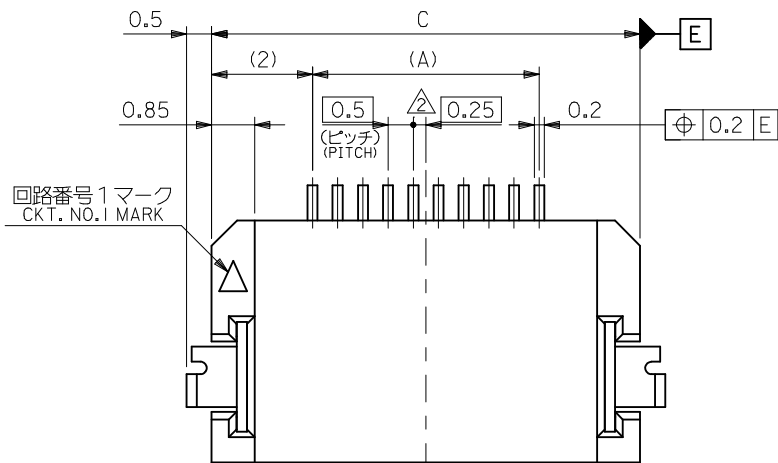


10 9 8 7 6 5 4 3 2 1



注記 NOTES

1. 材質 MATERIAL

ハウジング: PPS, UL94V-0
HOUSING: PPS, UL94V-0
ターミナル: リン青銅 ($t=0.2$)、ニッケル下地 錫ビスマスメッキ
TERMINAL: PHOS-BRO. ($t=0.2$), TIN-BIMUSTH OVER NICKEL PLATING
金具: リン青銅 ($t=0.2$)、ニッケル下地 錫メッキ
FITTING NAIL: PHOS-BRO. ($t=0.2$), TIN OVER NICKEL PLATING
HARF BRIGHT PLATING

偶数極に適用。

APPLY FOR EVEN CIRCUIT.

ソルダーテール半田付け面及び金具半田付け面のズレ量は、

基準面 F に対し、上方向 0.1 MAX.

下方向 0.15 MAX. とする。

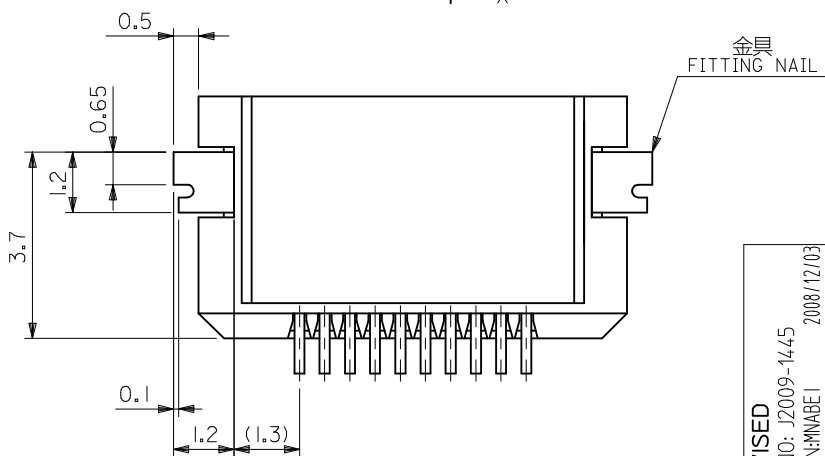
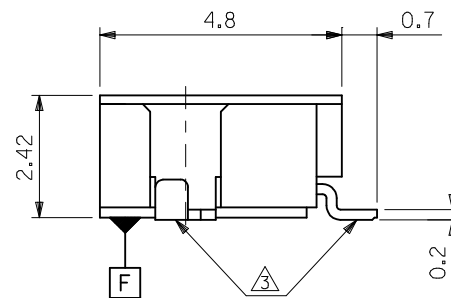
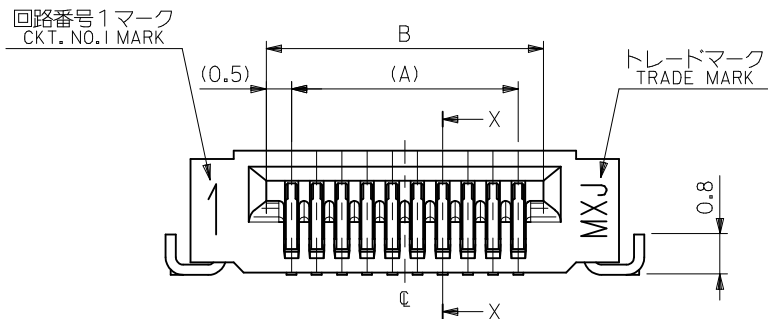
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS

FROM F : UPPER DIRECTION 0.1 MAX.

: LOWER DIRECTION 0.15 MAX.

5. 本製品は 52976-***40 の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 52976-***40



18.5	15.5	14.5	52976-3072	52976-3049	30
15.5	12.5	11.5	-2472	-2449	24
14.0	11.0	10.0	-2172	-2149	21
13.0	10.0	9.0	-1972	-1949	19
12.5	9.5	8.5	-1872	-1849	18
12.0	9.0	8.0	-1772	-1749	17
11.5	8.5	7.5	-1672	-1649	16
11.0	8.0	7.0	-1572	-1549	15
10.5	7.5	6.5	-1472	-1449	14
9.5	6.5	5.5	-1272	-1249	12
8.5	5.5	4.5	-1072	-1049	10
8.0	5.0	4.0	-0972	-0949	9
7.5	4.5	3.5	-0872	-0849	8
6.5	3.5	2.5	52976-0672	52976-0649	6
C	B	A	EMBOSSED TAPE PKG. ORDER No. オーダー番号	MATERIAL NO.	極数 NO. OF CKT.

REVISED EC NO: J2009-1445 DRWN:MABEI 2008/12/03 CHKD:THARUYAMA 2008/12/03 APPR:NUKITA 2008/12/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY HSHIMABUKURO	DATE '04/03/01	TITLE 0.5 FFC/FPC CONN NON-ZIF HSG ASSY(BOTTOM CONTACT) -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE '04/03/01					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/03/01					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52976-010		1 OF 2			
B	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

F

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C

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F

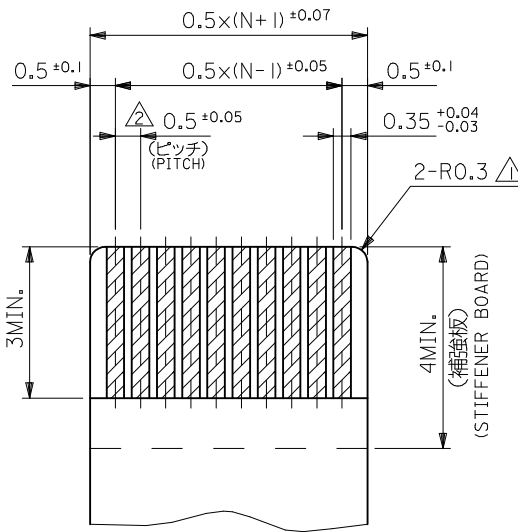
E

D

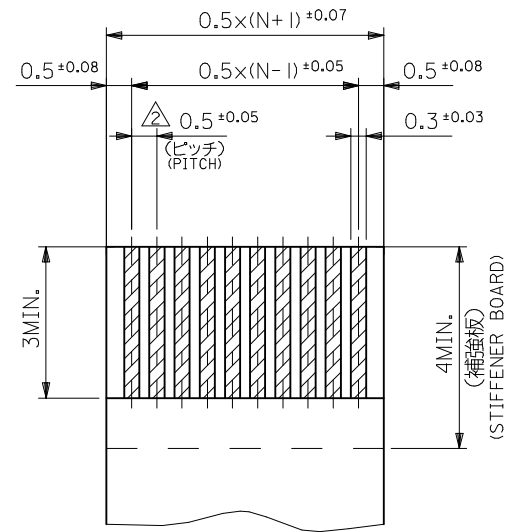
C

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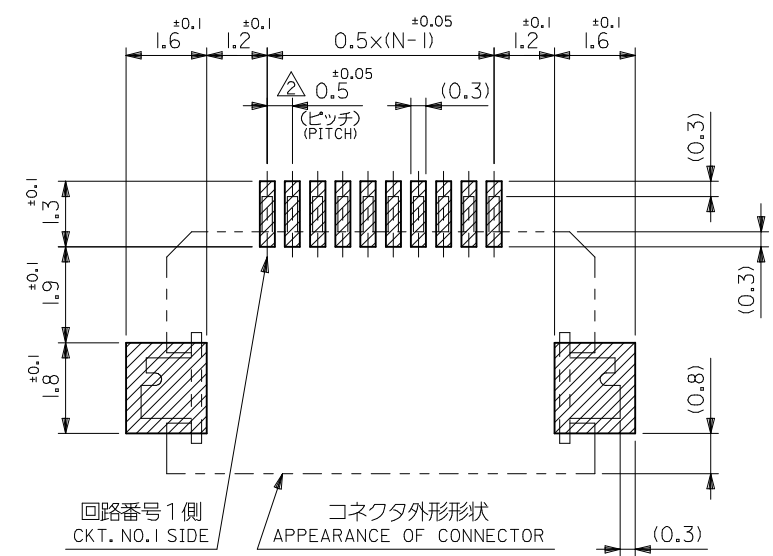
A



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.03)
(THICKNESS : 0.3±0.03)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.03)
(THICKNESS : 0.3±0.03)



参考基板レイアウト
REFERENCE P.C.BOARD
PATTERN DIMENSION
(マウント面)
(MOUNTING SIDE)

注記 NOTES

- △ R0.3 は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
- △ 公差非累積のこと。
NON-ACCUMULATIVE.

3. FPCについて:
打抜き方向は導体側から補強板を推奨致します。
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 : THERMOSETTING BONDING AGENT

REVISED		EC NO: J2009-1445		2008/12/03		DRWN: MWABEI		2008/12/03		CHKD: THARUYAMA		2008/12/03		APPR: NUKITA		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		TITLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		52976-***49	
HSHIMABUKURO		'04/03/01		K. TOJO		'04/03/01		M. SASAO		'04/03/01		MATERIAL NO.		SEE SHEET 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
MOLEX INCORPORATED		SD-52976-010		2 OF 2		EN-02JA(021)											

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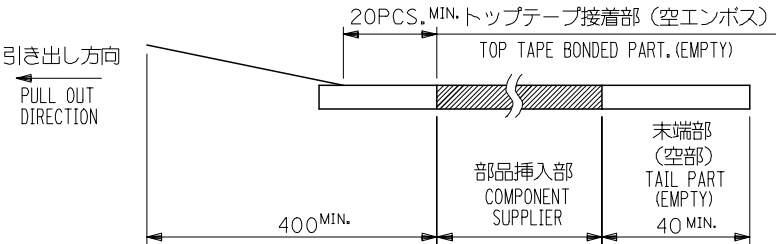
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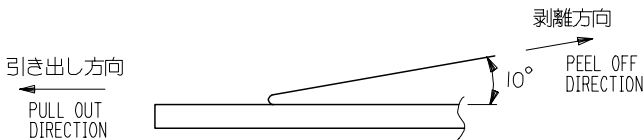
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NOTES

1. 梱包数量：1000個/リール
NUMBER OF CONNECTORS：1000PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH

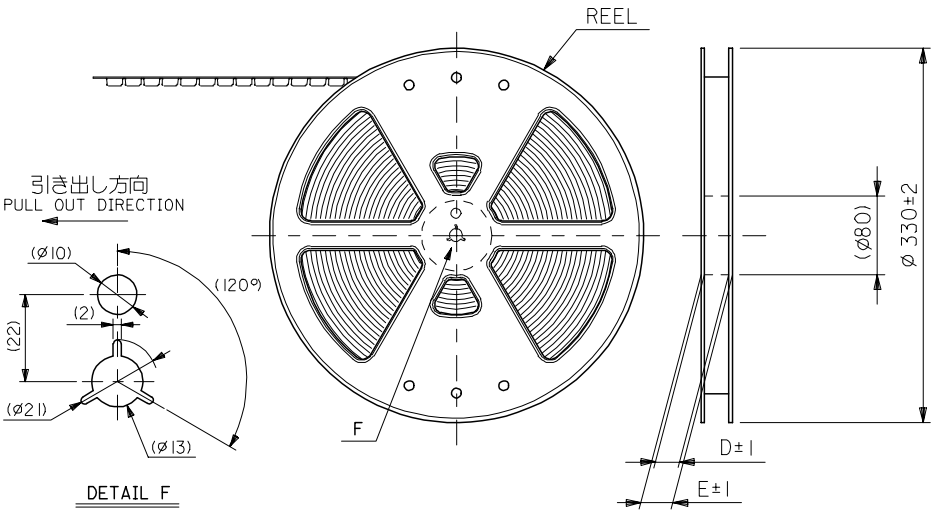


3. トップテープの剥離強度：0.1N ~ 1.3N(10gf ~ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE：0.1N ~ 1.3N(10gf ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



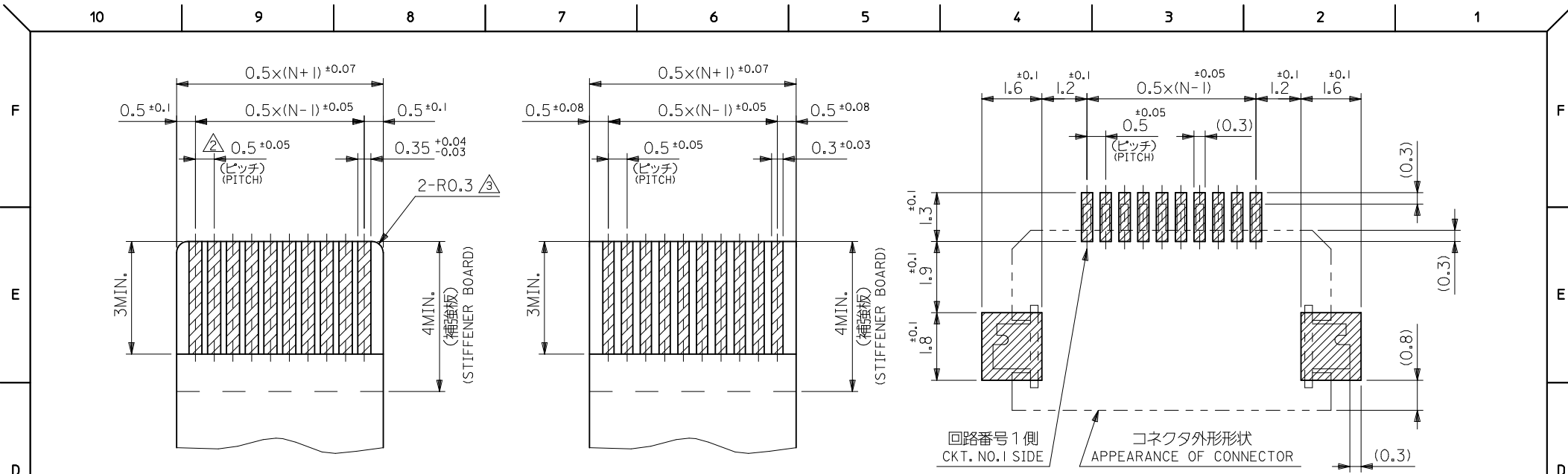
4. 材料
キャリアテープ：ポリプロピレン (PP)
トップテープ：PET, PE, PEF
リール：ポリスチレン (PS) <リサイクル材を含む>
MATERIAL CARRIER TAPE:POLYPROPYLENE
TOP TAPE:PET,PE,PEF
REEL:POLYSTYREN(PS)
<RECYCLE MATERIAL CONTAINED>

5. 本製品は 52976-**-92 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52976-**-92



52976-**-72 MODEL NO.

REVISED EC NO: J2008-1372 2007/10/23 DRAWN BY: JIMA 2007/10/23 CHKD: THARUYAMA 2007/10/23 APPR: NUKITA 2007/10/23 A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY DATE H.SHIMABUKUR 2004/03/01		TITLE 0.5 FPC CONN NON ZIF HOUSING ASSY EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY DATE K.TOJO 2004/03/01						
		30 OVER	±0.3	APPROVED BY DATE M.SASAO 2004/03/01		MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-52976-011				1 OF 2
		REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)
(THICKNESS: 0.3 ± 0.03)

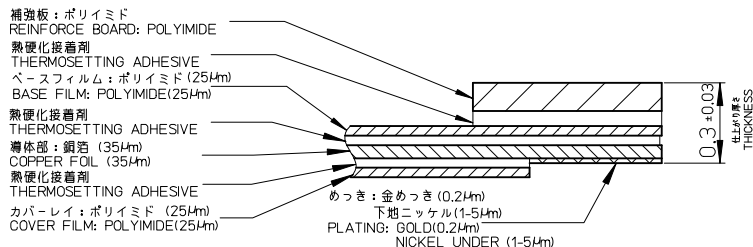
適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)
(THICKNESS: 0.3 ± 0.03)

推奨基板レイアウト
RECOMMENDED P.C. BOARD
PATTERN DIMENSION

(マウント面)
(MOUNTING SIDE)

マスク厚: $100 \mu\text{m}$
マスク開口率: 100%
SCREEN THICKNESS: 100MICROMETER
SCREEN OPEN RATIO: 100%



FPC構成推奨仕様
STRUCTURE OF FPC

FPC/FFCについて ABOUT FPC/FFC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については敷箔銅35 μm または50 μm を推奨します。
RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER

FPCについてABOUT FPC
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。

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

NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

REVISED EC NO: J2013-1133 DRWN: SANUMA CHKD: TAKAHASHI APPR: KMORIKAWA REV A	DESCRIPTION 2013/04/11 2013/04/11 2013/04/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NKONDO	DATE 2012/09/18	TITLE 0.5MM FFC/FPC CONN NON-ZIF HSG ASSY (LOWER CONTACT) molex			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/09/18				
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52976-016		2 OF 2		
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					