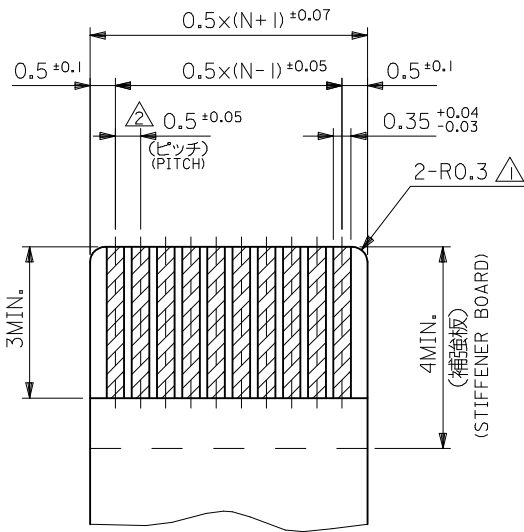
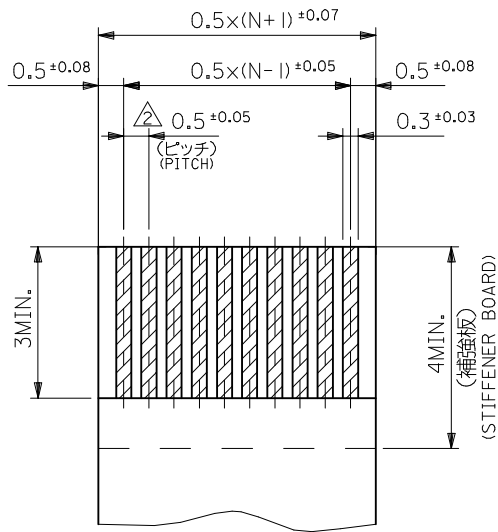
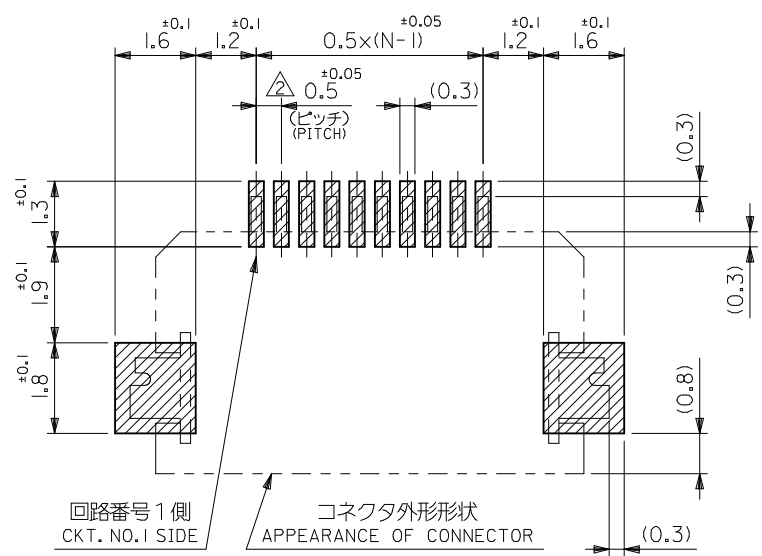




適合F P C推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.03)
(THICKNESS : 0.3±0.03)



適合F F C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、F P C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. F P C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:MNABEI		2008/12/03		CHKD:THARUYAMA		2008/12/03		APPR:NUKITA		REV	
GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		52976-***49		MODEL NO.					
10 UNDER		±0.2		DRAWN BY		DATE		TITLE									
10 OVER 30 UNDER		±0.25		HSHIMABUKURO		'04/03/01		0.5 FFC/FPC CONN NON-ZIF									
30 OVER		±0.3		CHECKED BY		DATE		HSG ASSY(BOTTOM CONTACT)									
ANGULAR		±3 °		APPROVED BY		DATE		-LEAD FREE-									
DRAFT WHERE APPLICABLE				M. SASAO		'04/03/01		MOLEX INCORPORATED									
MUST REMAIN				MATERIAL NO.				DOCUMENT NO.									
WITHIN DIMENSIONS				SEE SHEET 1				SD-52976-010									
				SIZE				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX									
				A3				INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

F

E

D

C

B

A

F

E

D

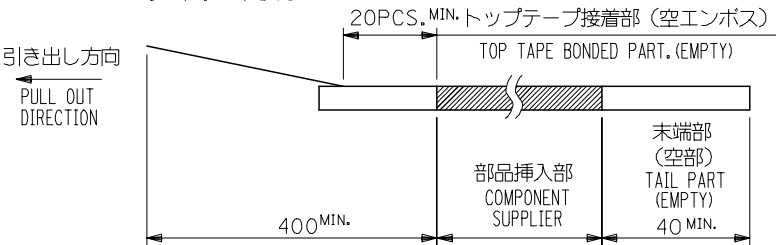
C

B

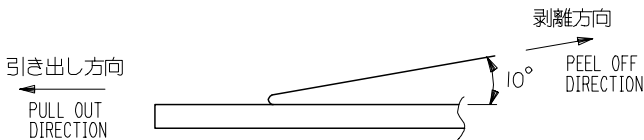
A

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

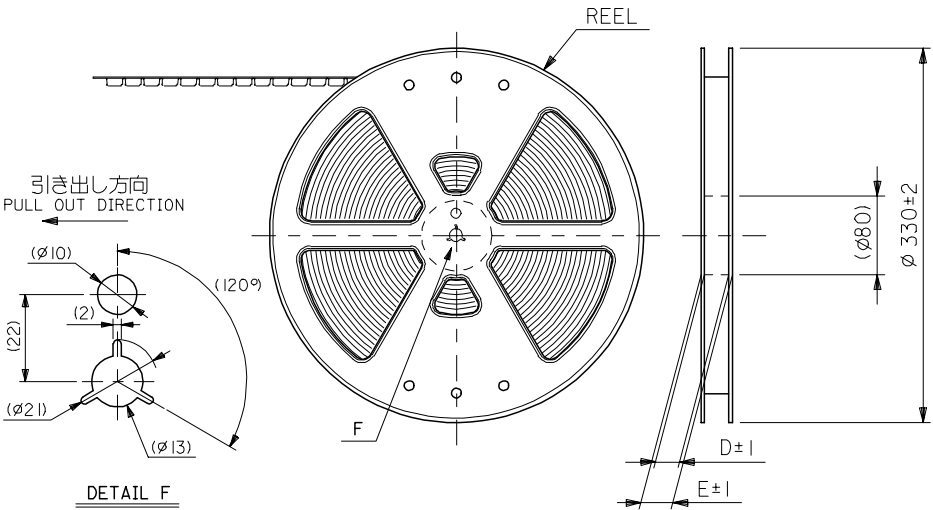


3. トップテープの剥離強度：0.1N ～ 1.3N(10gf ～ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE：0.1N ～ 1.3N(10gf ～ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



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 DRW:HYAJIMA CHKD:THARUYAMA 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						

F

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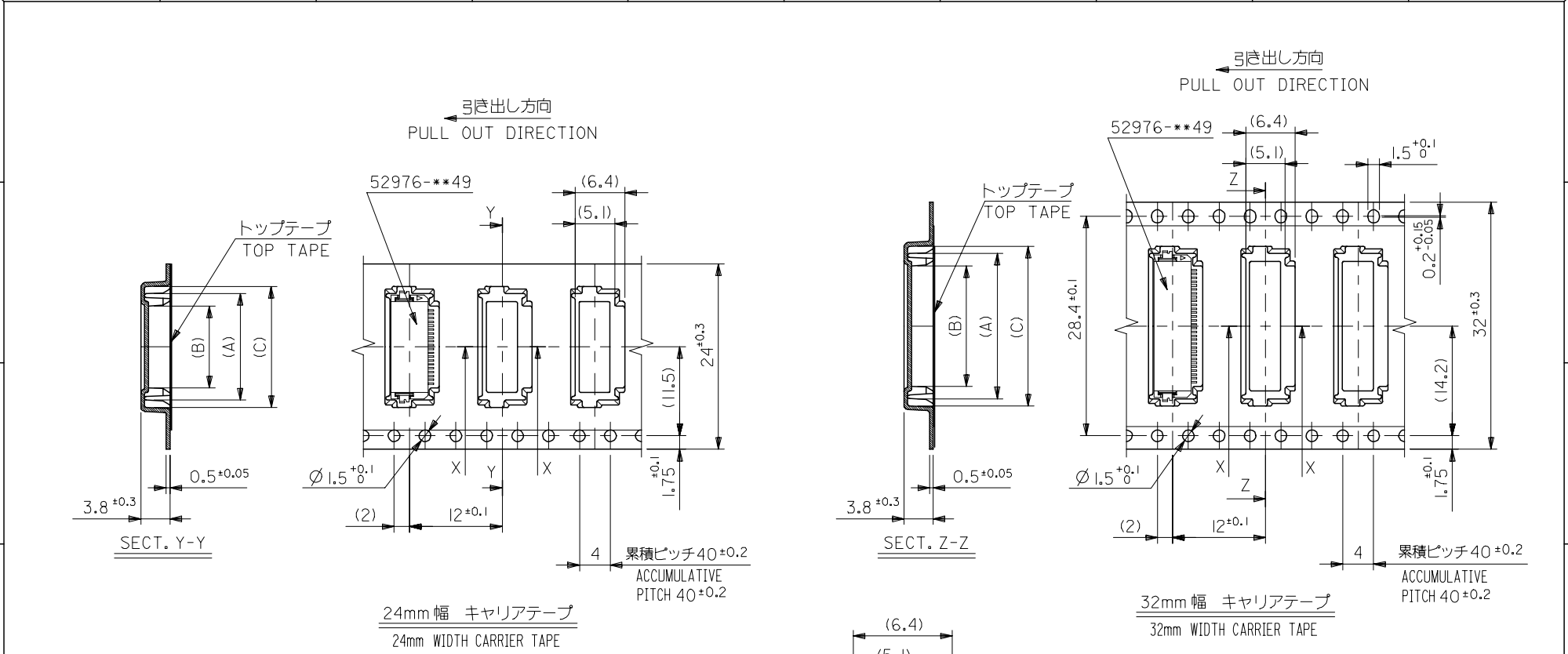
E

D

C

B

A



32	37.4	33.4	20.7	15.6	18.8	52976-3072	30
			17.7	12.6	15.8	52976-2472	24
			16.2	11.1	14.3	52976-2172	21
			15.2	10.1	13.3	52976-1972	19
			14.7	9.6	12.8	52976-1872	18
			14.2	9.1	12.3	52976-1772	17
			13.7	8.6	11.8	52976-1672	16
			13.2	8.1	11.3	52976-1572	15
			12.7	7.6	10.8	52976-1472	14
			11.7	6.6	9.8	52976-1272	12
24	29.4	25.4	10.7	5.6	8.8	52976-1072	10
			10.2	5.1	8.3	52976-0972	9
			9.7	4.6	7.8	52976-0872	8
			8.7	3.6	6.8	52976-0672	6
			(C)	(B)	(A)	MATERIAL. NO.	極数 CKT.

tb_frame_A3_J_ME_S
Rev. E 2006/04/15

REVISED EC NO: J2008-1372 A	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
			MM ONLY		---	METRIC				
			10 UNDER	±0.2	DRAWN BY H. SHIMABUKUR	DATE 2004/03/01	TITLE 0.5 FPC CONN NON ZIF HOUSING ASSY EMBSTP PKG -LEAD FREE-			
			10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/03/01	MOLEX INCORPORATED			
			30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/03/01	SD-52976-011			
			ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				2 OF 2	
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

6

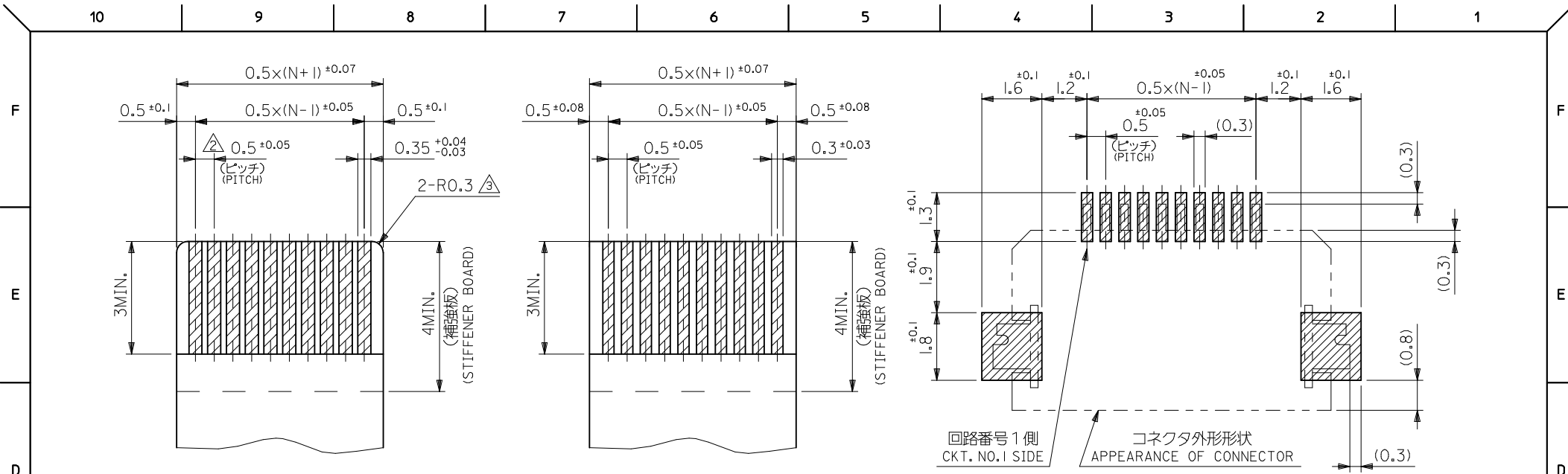
5

4

3

2

EN-02JA(021)



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)

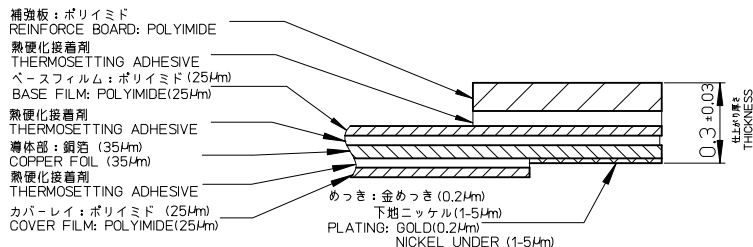
適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION

(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	DESCRIPTION 2013/04/11 2013/04/11 2013/04/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	T 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)				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/09/18					
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15	molex				
	ANGULAR ±3 °		MATERIAL NO.		DOCUMENT 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							