

#### 注記 NOTES:

##### 1.材質 MATERIAL

ハウジング: LCP(液晶ポリマー)、白色、ガラス充填、UL94V-0  
HOUSING: LIQUID CRYSTAL POLYMER, WHITE (NATURAL)  
GLASS FILLED, UL94V-0

アクチュエータ: ポリアミド樹脂

黒色、ガラス充填、UL94HB

ACTUATOR: POLYAMIDE  
BLACK GLASS FILLED, UL94HB

ターミナル: 焼青銅 (t=0.12)

TERMINAL: PHOSPHOR BRONZE (t=0.12)

金具: 焼青銅 (t=0.15)

NAIL: PHOSPHOR BRONZE (t=0.15)

##### 2.めっき仕様 PLATING

ターミナル TERMINAL

接点部: 金めっき 0.1μm以上

CONTACT AREA: GOLD 0.1 MICROMETER MINIMUM

半田付け部: 金めっき

SOLDER TAIL AREA: GOLD

下地めっき: ニッケル 1.0μm以上

UNDER PLATING: NICKEL 1.0 MICROMETER MINIMUM

金具 NAIL

錫めっき 1.0μm以上

TIN PLATING 1.0 MICROMETER MINIMUM

下地めっき: ニッケル 1.0μm以上

UNDER PLATING: NICKEL 1.0 MICROMETER MINIMUM

##### 3.平坦度は、0.1ミリ以下とする。

TAILS COPLANARITY TO BE 0.1 MAXIMUM.

##### 4.ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

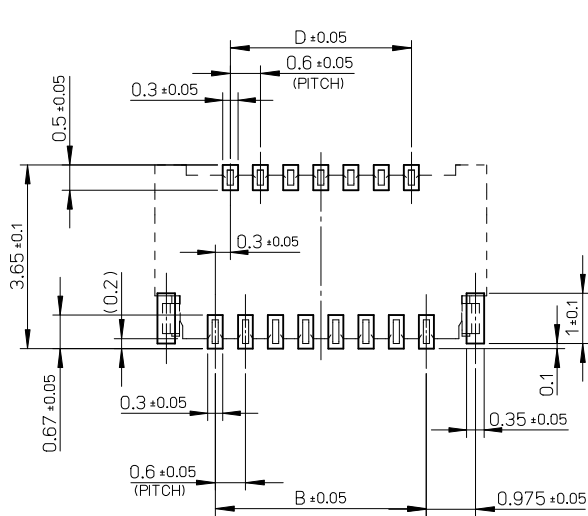
##### 5.本製品は502598-\*\*-91の端子材料変更品である。

THIS PRODUCT IS CHANGE OF TERMINAL MATERIAL  
FOR 502598-\*\*-91.

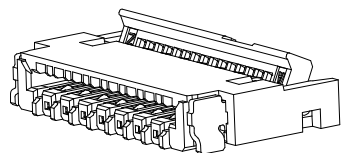
0.125	14.4	16.95	15	17.4	502598-5193	51
0.112	12.6	15.15	13.2	15.6	502598-4593	45
0.105	11.4	13.95	12.0	14.4	502598-4193	41
0.098	10.8	13.35	11.4	13.8	502598-3993	39
0.085	9	11.55	9.6	12	502598-3393	33
0.077	7.8	10.35	8.4	10.8	502598-2993	29
0.072	7.2	9.75	7.8	10.2	502598-2793	27
0.068	6.6	9.15	7.2	9.6	502598-2593	25
0.063	6	8.55	6.6	9	502598-2393	23
0.048	4.2	6.75	4.8	7.2	502598-1793	17
0.043	3.6	6.15	4.2	6.6	502598-1593	15
重さ (g) WEIGHT(g)	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	極数 CIRCUITS

CONNECTOR SERIES NO. 502598-\*\*-21

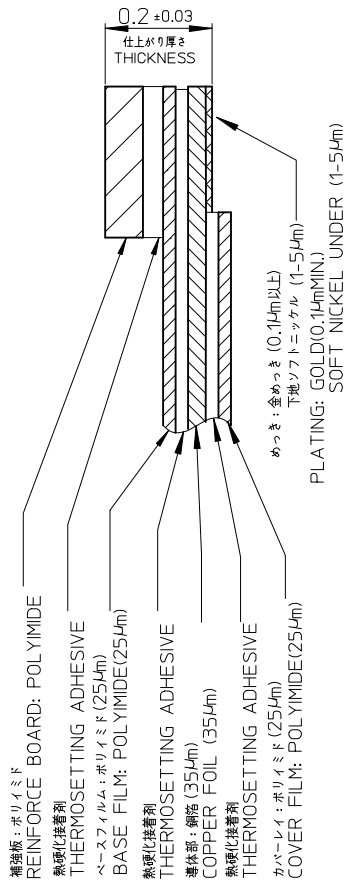
REVISED EC NO: J2014-0146 DRAWN:KAGUMO CHKD:K TAKAHASHI APPR:YNOGAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	KMIYAHARA	2012/07/18	TITLE 0.3 FPC CONN. BACK FLIP HOUSING ASSY			
		10 OVER 30 UNDER	± 0.25	KTAKAHASHI	2012/07/18				
		30 OVER	± 0.3	KMORIKAWA	2012/08/01	molex			
		ANGULAR ±1 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502598-003		1 OF 2	
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



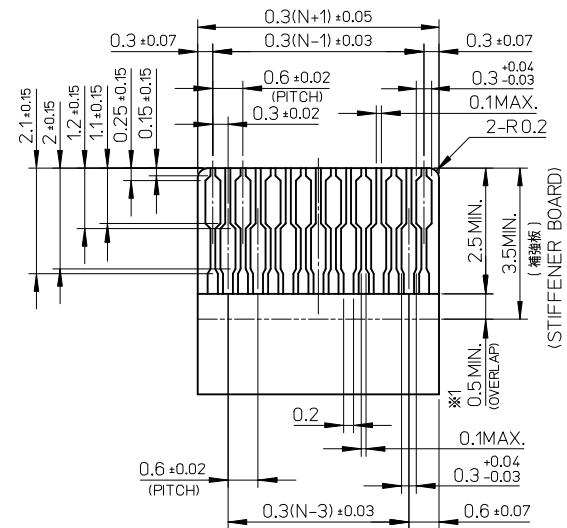
推奨基板寸法  
RECOMMENDED P.W.B. PATTERN LAYOUT  
マスク厚: 100 μm  
マスク開口率: 100%  
SCREEN THICKNESS: 100 μm  
SCREEN OPEN RATIO: 100%



ISO VIEW (参考)




FPC構成推奨仕様  
STRUCTURE OF FPC

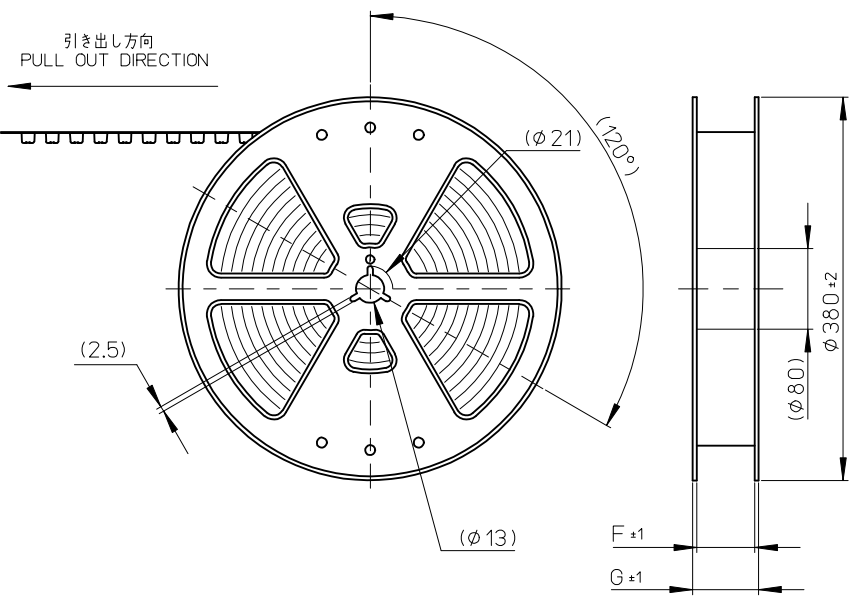


適合する金めっきFPC推奨寸法  
APPLICABLE FPC OF GOLD PATING  
RECOMMENDED DIMENSION  
(仕上がり厚さ: 0.2 ± 0.03)  
(THICKNESS: 0.2 ± 0.03)

FPCについて:  
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。  
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。

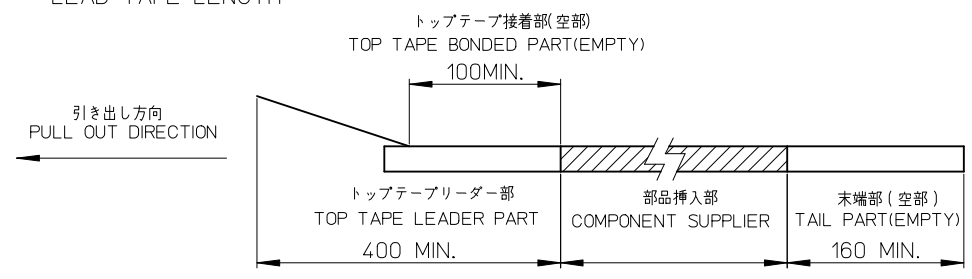
ABOUT FPC:  
RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
RECOMMENDED MATERIAL:  
STIFFENER FILM: POLYIMIDE  
BONDING AGENT: THERMOSETTING AGENT  
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON  
ADHEREND BECAUSE THERE IS A POSSIBILITY THAT  
THE EXTRA ADHESIVE CAUSES THE DEFECT IN  
ELECTRICAL CONTINUITY.

REVISED	EC NO.: J2014-0146	2013/07/25	DRAWN:KAGUMI	2013/08/30	CHKD:KAKAHASHI	2013/08/28	APPR:YNOGAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
									10 UNDER	± 0.2	DRAWN BY KMIYAHARA	DATE 2012/07/18	TITLE 0.3 FPC CONN. BACK FLIP HOUSING ASSY		
									10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/07/18			
									30 OVER	± 0.3	APPROVED BY KMORI KAWA	DATE 2012/08/01			
									ANGULAR ±1 °		MATERIAL NO.				
B	REV								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
									SEE TABLE		DOCUMENT NO. SD-502598-003	SHEET NO. 2 OF 2			



注記)  
NOTES

- 製品番号502598-\*\*-21の詳細寸法は、製品単体図面を参照下さい。  
IN THE PACKAGE PART NUMBER 502598-\*\*-21 DETAIL DIMENSIONS,  
SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量:3000個/リール  
NUMBER OF CONNECTORS : 3000 PCS/REEL
- リードテープ長さ  
LEAD TAPE LENGTH



- カバーテープの剥離強度については、IEC60286-3に準拠  
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.
- 材料  
MATERIAL  
キャリアテープ:ポリスチレン (PS)  
CARRIER TAPE:POLYSTYRENE(PS)  
トップテープ:ポリエチレンテレフタレート (PET)、他  
TOP TAPE :POLYETHYLENE TELEPHTHALATE(PET), OTHERS  
リール:ポリスチレン(PS)  
REEL:POLYSTYLENE(PS)
- ELV及びRoHS適合品  
ELV AND RoHS COMPLIANT
- 本製品は502598-\*\*-91の端子材料変更品である。  
THIS PRODUCT IS CHANGE OF TERMINAL MATERIAL FOR 502598-\*\*-91.

REVISED EC NO: J2014-0146 DRWN:KNAGIMO 2013/07/25 CHKD:KTAKAHASHI 2013/08/30 APPR:YNOGAWA 2013/08/28  B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM ONLY		---	METRIC				
		10 UNDER	± ---	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP TAPING PACKAGE (502598-**21 SERIES)					
		10 OVER 30 UNDER	± ---	CHECKED BY	DATE						
		30 OVER	± ---	APPROVED BY	DATE						
	ANGULAR ±1 °		KMORIKAWA	2012/08/01	DOCUMENT NO. SD-502598-004						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		SHEET NO. 1 OF 2							
REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

引き出し方向  
PULL OUT DIRECTION

Y  
8 ±0.1  
(PITCH)  
(2.43)  
(4.34)  
(3.61)

T

32 幅テープ  
32 WIDTH TAPE

24 幅テープ  
24 WIDTH TAPE

トップテープ  
TOP TAPE

D  
コネクタ中心  
CENTER OF CONNECTOR

(B)

1.75 ±0.1

(2)

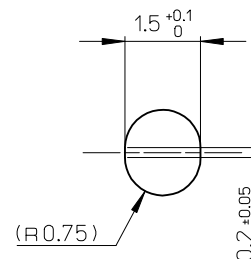
4 ±0.1

累積ピッチ : 40 ±0.2

ACUUMLATIVE PITCH : 40 ±0.2

φ 1.5 ±0.1

502598-\*\*21



T 部詳細  
DETAIL T

断面 Y-Y  
SECTION Y-Y

37.4	33.4	32±0.3	28.4	15.7	14.2	17.6	502598-5193	51
29.4	25.4	24±0.3	++	13.9	11.5	15.8	502598-4593	45
				12.7		14.6	502598-4193	41
				12.1		14	502598-3993	39
				10.3		12.2	502598-3393	33
				9.1		11	502598-2993	29
				8.5		10.4	502598-2793	27
				7.9		9.8	502598-2593	25
21.4	17.4	16±0.3		7.3	7.5	9.2	502598-2393	23
				5.5		7.4	502598-1793	17
				4.9		6.8	502598-1593	15
G	F	E    キャリアテープ幅 EMBOSSED TAPE WIDTH		D	C	B	A	製 品 番 号 MATERIAL NO.

REVISED EC NO: J2014-0146 2013/07/25 DRWN:KAGUMO 2013/08/30 CHKD:KAKAHASHI 2013/08/28 APPR:YNOGAWA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY KMIYAHARA	DATE 2012/07/18	TITLE 0.3 FPC CONN. BACK FLIP TAPING PACKAGE (502598-**21 SERIES)				
		10 OVER 30 UNDER	± ---	CHECKED BY KTAKAHASHI	DATE 2012/07/18					
		30 OVER	± ---	APPROVED BY KMORIKAWA	DATE 2012/08/01					
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502598-004				2 OF 2
		B		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2