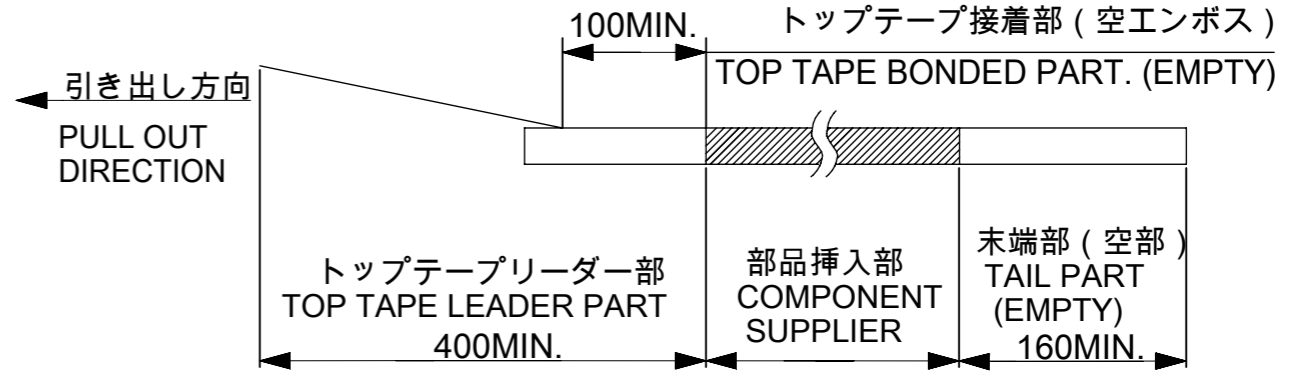
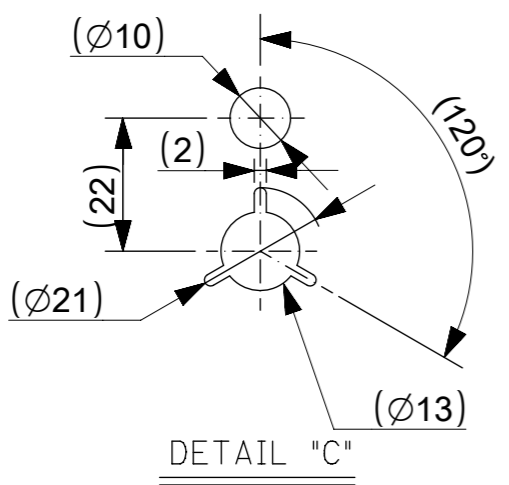


注記 NOTES

1. 製品詳細寸法については図面5047541000を参照下さい。  
REFER TO THE 5047541000 ABOUT DIMENSIONS IN DETAIL.
2. 梱包数量：5000個/リール  
NUMBER OF CONNECTORS：5000 PCS/REEL
3. リードテープ長さ  
LEAD TAPE LENGTH

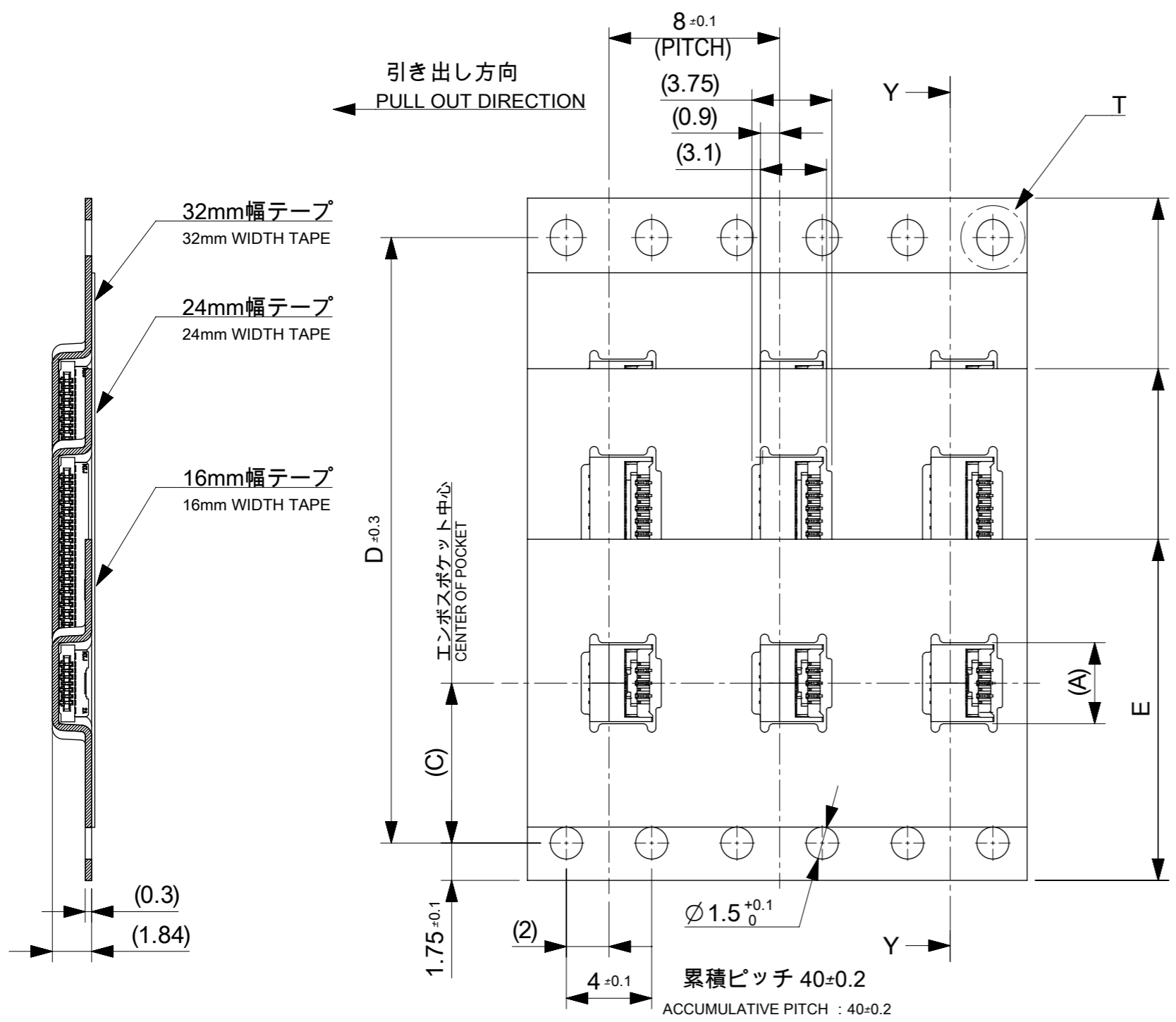


4. 材料 MATERIAL  
キャリアテープ(CARRIER TAPE)：ポリスチレン(POLYSTYRENE)  
トップテープ(TOP TAPE)：PET, PE, PEF  
リール(REEL)：ポリスチレン(PS)リサイクル材含む  
POLYSTYRENE(PS)RECYCLE MATERIAL CONTAINED
5. ELV及びRoHS適合品  
ELV AND RoHS COMPLIANT



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

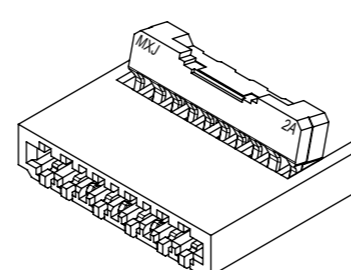
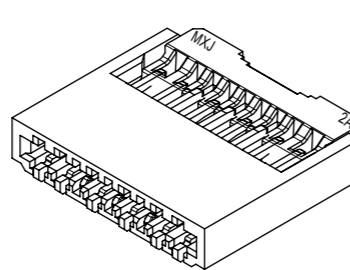
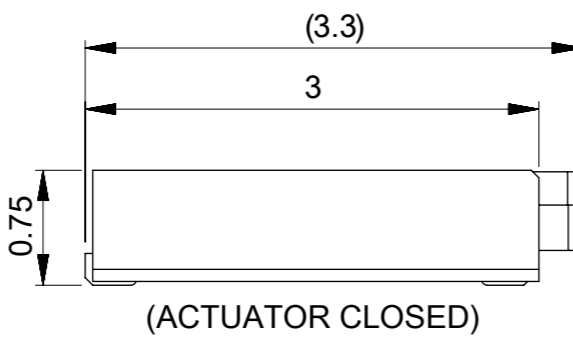
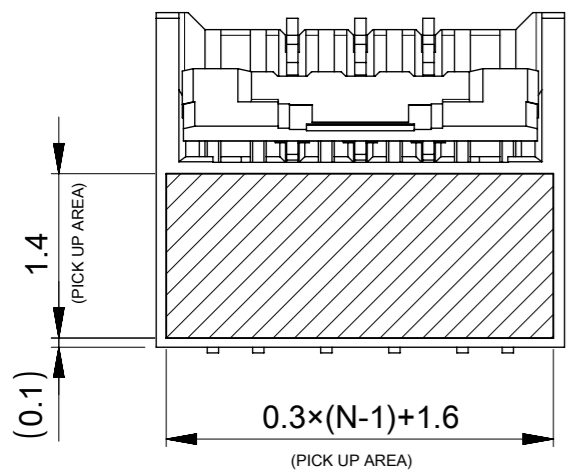
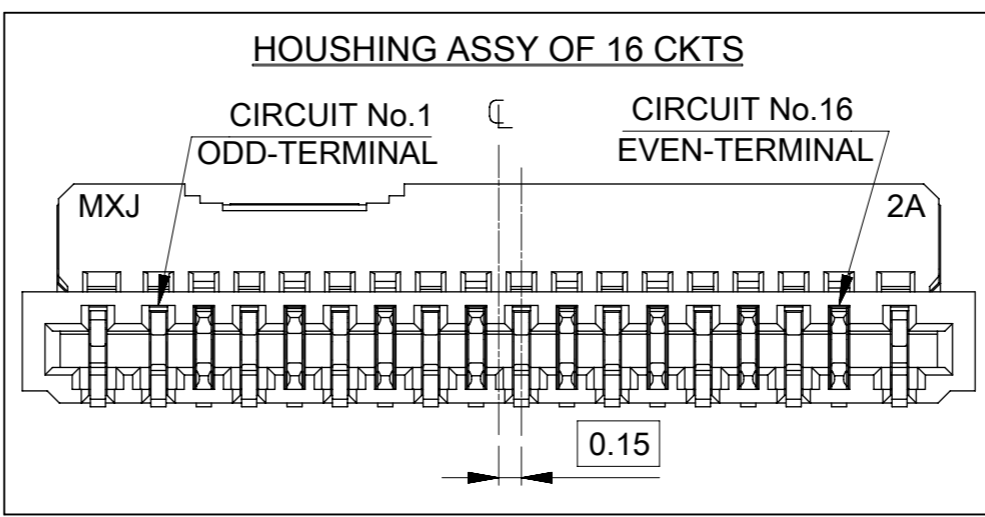
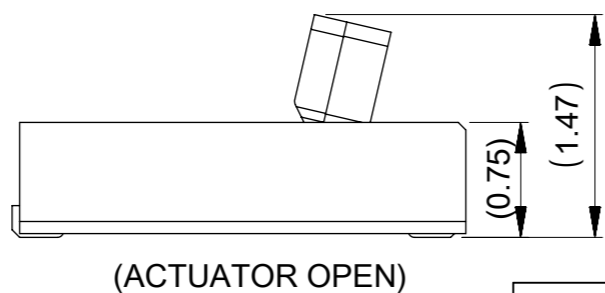
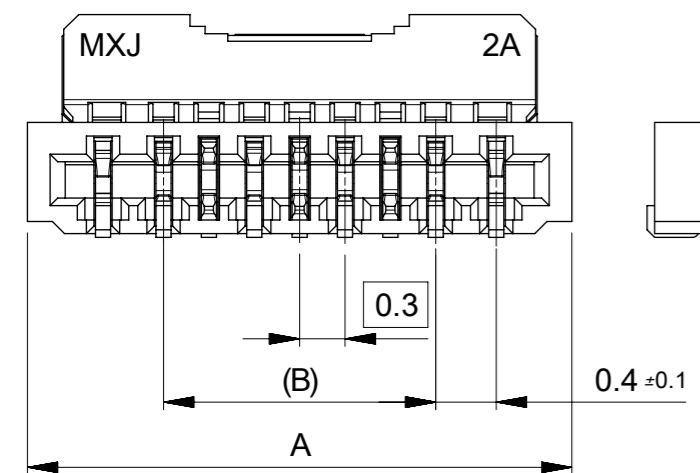
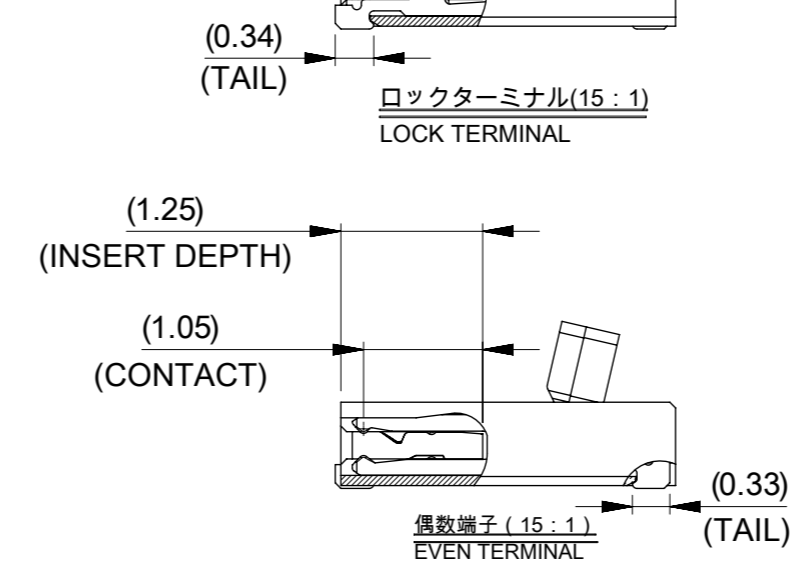
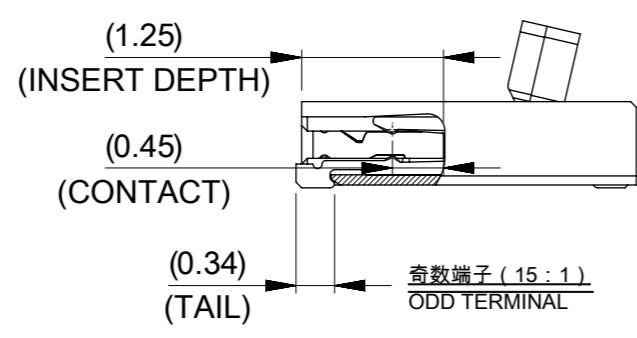
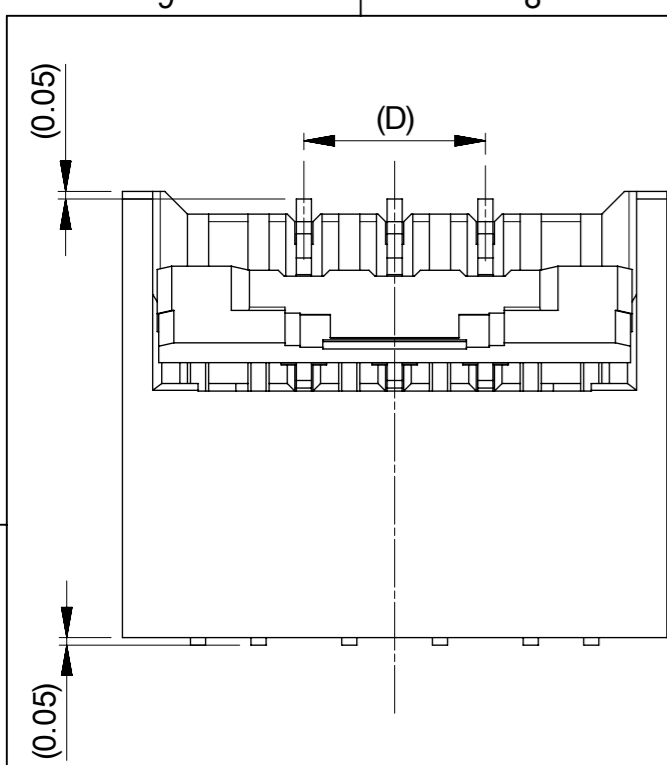
REVISED	EC NO: 106328	2016/07/05	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	
	DRWN: YCHEN128	2016/07/07	ANGULAR TOL $\pm 1.0^\circ$	MM	$\pm 0.1$	
	CHK'D: YKOBAYASHI02	2016/07/07	4 PLACES $\pm 0.03$	DRWN BY	DATE	
	APPR: TKUSUHARA01		3 PLACES $\pm 0.03$	AYOSHII01	2016/03/18	
			2 PLACES $\pm 0.05$	CHK'D BY	DATE	
		1 PLACE $\pm 0.1$	YKOBAYASHI02	2016/03/31	PRODUCT CUSTOMER DRAWING SERIES: 504754 MATERIAL NUMBER: SEE CHART CUSTOMER:	
		0 PLACES $\pm 0.2$	APPR BY	DATE		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	TKUSUHARA01	2016/03/31		
			DRAWING SIZE	THIRD ANGLE PROJECTION		DOCUMENT NUMBER: 5047540000
			A3			DOC TYPE: PSD
						DOC PART: 000
						SHEET NUMBER: 1 OF 2



32±0.3	28.4	14.2	33.4	20.0	504754-6100	61
				17.0	504754-5100	51
24±0.3	--	11.5	25.4	14.0	504754-4100	41
				13.4	504754-3900	39
				12.8	504754-3700	37
				12.2	504754-3500	35
				11.6	504754-3300	33
				11.0	504754-3100	31
				9.2	504754-2500	25
				8.0	504754-2100	21
16±0.3	--	7.5	17.4	6.5	504754-1600	16
				6.2	504754-1500	15
				4.9	504754-1100	11
				4.3	504754-0900	9
				3.7	504754-0700	7
Eキャリアテープ幅 EMBOSSED TAPE WIDTH				D	C	B
				A	オーダー番号 ORDER NO.	極数 CIRCUITS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 106328 DRWN: YCHEN128 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2016/07/05	2016/07/07	2016/07/07	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 0.03 3 PLACES ± 0.03 2 PLACES ± 0.05 1 PLACE ± 0.1 0 PLACES ± 0.2 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS	SCALE	
	REVISED	MM	±0.1				
	DRWN BY	DATE	AYOSHII01 2016/03/18				
	CHK'D BY	DATE	YKOBAYASHI02 2016/03/31				
	APPR BY	DATE	TKUSUHARA01 2016/03/31				
DRAWING SIZE		THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING				
A3			SERIES	MATERIAL NUMBER	CUSTOMER		
			504754	SEE CHART			
DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER		
5047540000			PSD	000	2 OF 2		



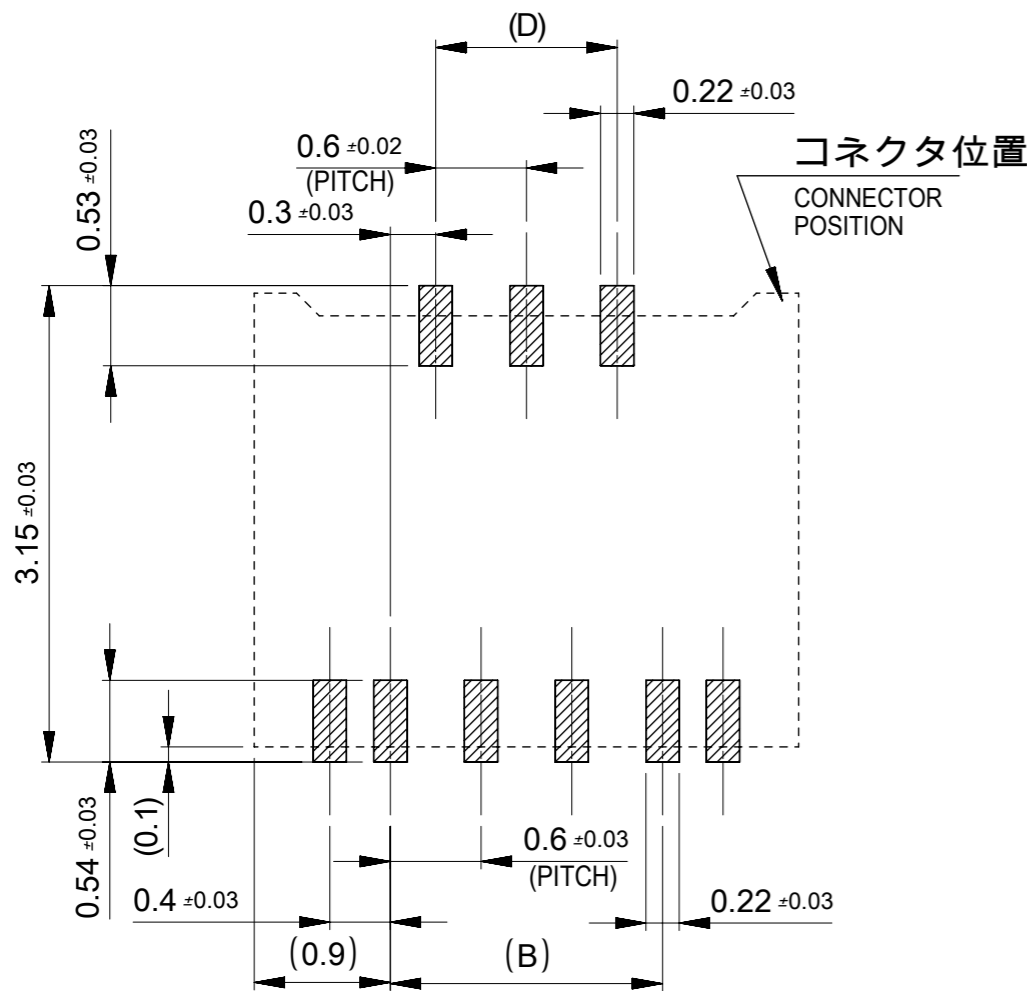
推奨ピックアップエリア(15:1)  
RECOMMENDED PICK UP AREA

注記 NOTES:  
 1.材質 MATERIAL  
 ハウジング: 液晶ポリマー(LCP)、黒色、ガラス充填、UL94 V-0  
 HOUSING: LIQUID CRYSTAR POLYMER, BLACK, GLASS FILLED, UL94 V-0  
 アクチュエータ: ポリアミド樹脂(PA)、灰色、ガラス充填、UL94 HB  
 ACTUATOR: POLYAMIDE, GRAY, GLASS FILLED, UL94 HB  
 奇数ターミナル: 銅合金 (t=0.10)  
 ODD TERMINAL: COPPER ALLOY(t=0.10)  
 偶数ターミナル: 銅合金 (t=0.10)  
 EVEN TERMINAL: COPPER ALLOY(t=0.10)  
 ロックターミナル: 銅合金 (t=0.10)  
 LOCK TERMINAL: COPPER ALLOY(t=0.10)  
 2.めっき仕様 PLATING  
 奇数 / 偶数ターミナル ODD/EVEN TERMINAL  
 接点部: 部分金めっき(0.1µm以上)  
 CONTACT AREA: SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM)  
 半田付け部: 部分金めっき  
 SOLDER TAIL AREA: SEPARATED GOLD PLATING  
 下地: ニッケルめっき(1.0µm以上)  
 UNDERPLATE: NICKEL PLATING(1.0 MICROMETER MINIMUM)  
 ロックターミナル LOCK TERMINAL  
 半田付け部: 部分金めっき  
 SOLDER TAIL AREA: SEPARATED GOLD PLATING  
 下地: ニッケルめっき(1.0µm以上)  
 UNDERPLATE: NICKEL PLATING(1.0 MICROMETER MINIMUM)  
 3.平坦度は、0.1mm以下とする。  
 TAILS' COPLANARITY TO BE 0.1 MAXIMUM.  
 4.ELV及びRoHS適合品  
 ELV AND RoHS COMPLIANT

18.5	17.4	19.3	18.0	19.8	504754-6100	61
15.5	14.4	16.3	15.0	16.8	504754-5100	51
12.5	11.4	13.3	12.0	13.8	504754-4100	41
11.9	10.8	12.7	11.4	13.2	504754-3900	39
11.3	10.2	12.1	10.8	12.6	504754-3700	37
10.7	9.6	11.5	10.2	12.0	504754-3500	35
10.1	9.0	10.9	9.6	11.4	504754-3300	33
9.5	8.4	10.3	9.0	10.8	504754-3100	31
7.7	6.6	8.5	7.2	9.0	504754-2500	25
6.5	5.4	7.3	6.0	7.8	504754-2100	21
5.0	4.2	5.8	4.5	6.3	504754-1600	16
4.7	3.6	5.5	4.2	6.0	504754-1500	15
3.5	2.4	4.3	3.0	4.8	504754-1100	11
2.9	1.8	3.7	2.4	4.2	504754-0900	9
2.3	1.2	3.1	1.8	3.6	504754-0700	7
E	D	C	B	A	EMBOSSED PACKAGE	CIRCUITS
オーダー番号: ORDER NO.						
CONNECTOR SERIES 504754-**09						

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISED	2017/02/17	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	<b>molex</b>	
	2017/02/20	ANGULAR TOL ± 1.0 °	MM	20:1		
EC NO: 113640	DRWN: YCHEN128	4 PLACES ± 0.03	DRWN BY	DATE	0.3 FPC LA75 SERIES ASSY	
CHK'D: YKOBAYASHI02	CHK'D: YKOBAYASHI02	3 PLACES ± 0.03	AYOSHII01	2016/03/18		
APPR: TKUSUHARA01	APPR: TKUSUHARA01	2 PLACES ± 0.05	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING	
		1 PLACE ± 0.1	YKOBAYASHI02	2016/03/31		
		0 PLACES ± 0.2	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER	
			TKUSUHARA01	2016/03/31		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION	504754 SEE SHEET 1	
			A3			
					DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER	
					5047541000 PSD 000 1 OF 3	



推奨基板レイアウト

RECOMMENDED P.C. BOARD  
PATTERN LAYOUT

推奨メタルマスク厚さ : 0.1mm

RECOMMENDED METAL MASK THICKNESS : 0.1mm

推奨開口率 : 80%

APERTURE RATE : 80%

注記  
NOTE

- 必ず基板に実装してからアクチュエータを操作して下さい。  
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRATE.
- FPCについて

ABOUT FPC

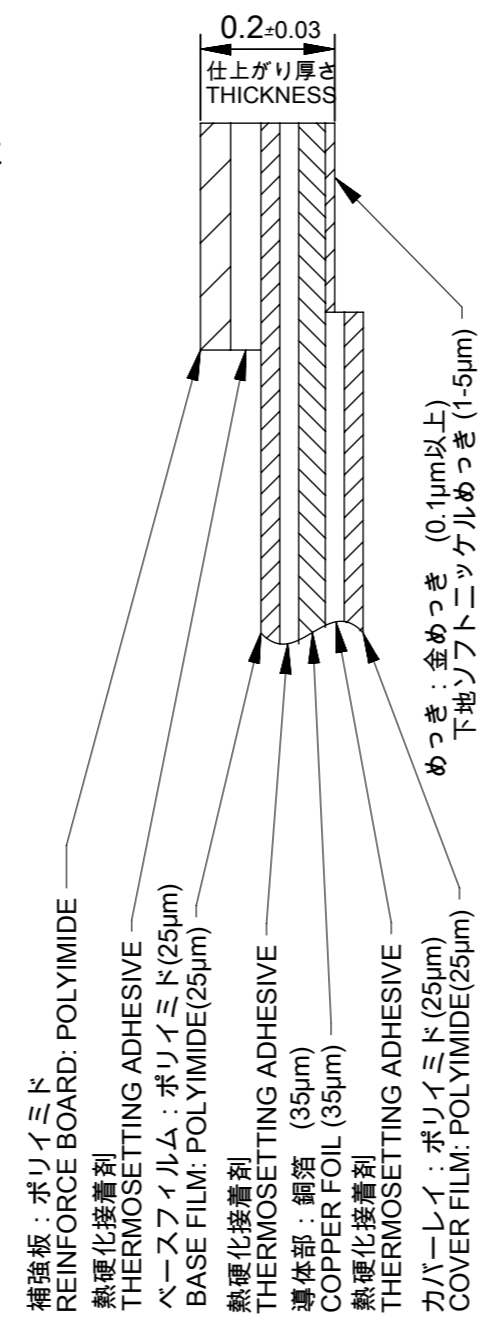
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。

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.

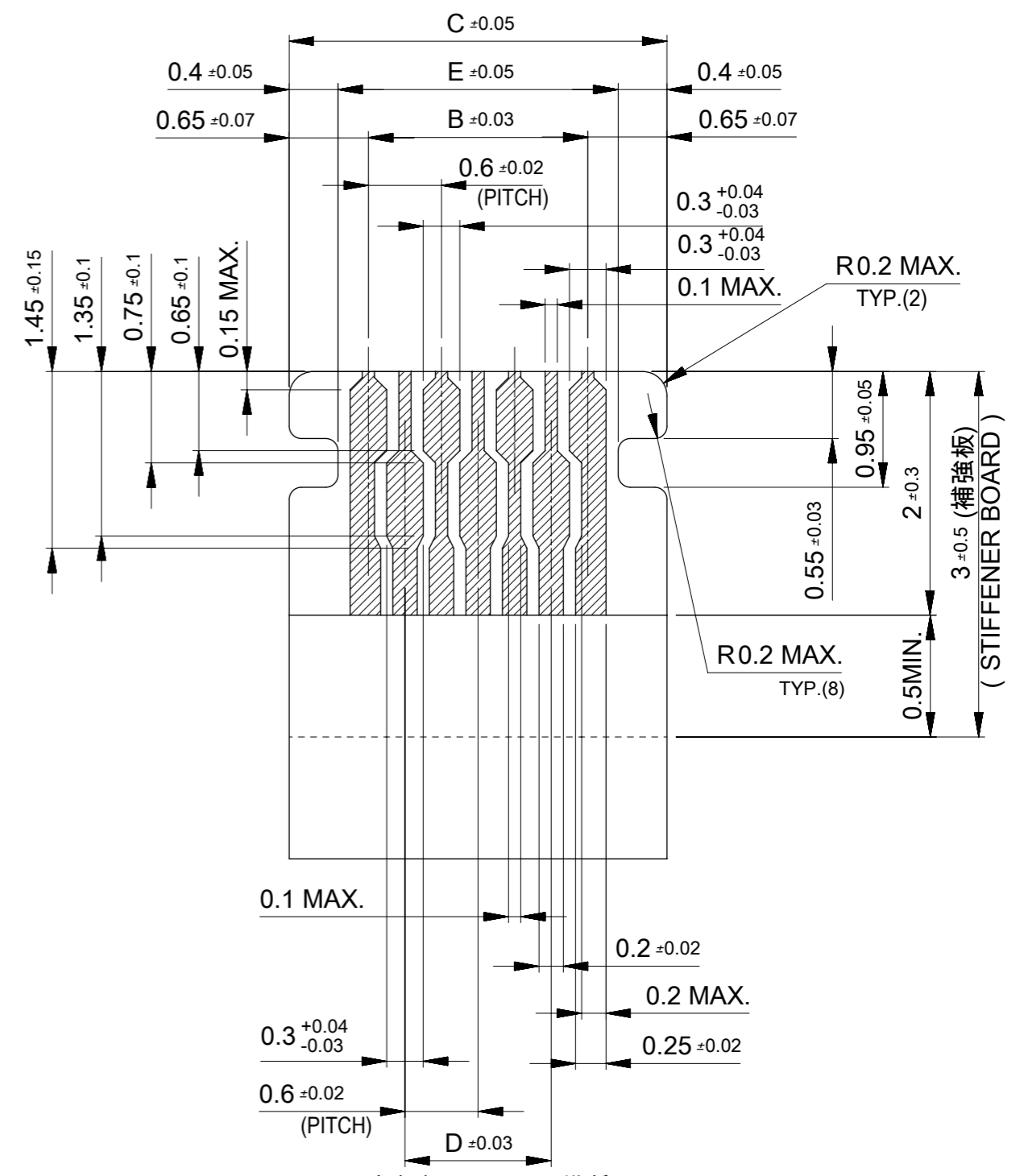
打抜き方向は導体側から補強板側を推奨致します。  
RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.



FPC構成推奨仕様  
STRUCTURE OF FPC

奇数極ASSY用  
FOR ODD CKT ASSY

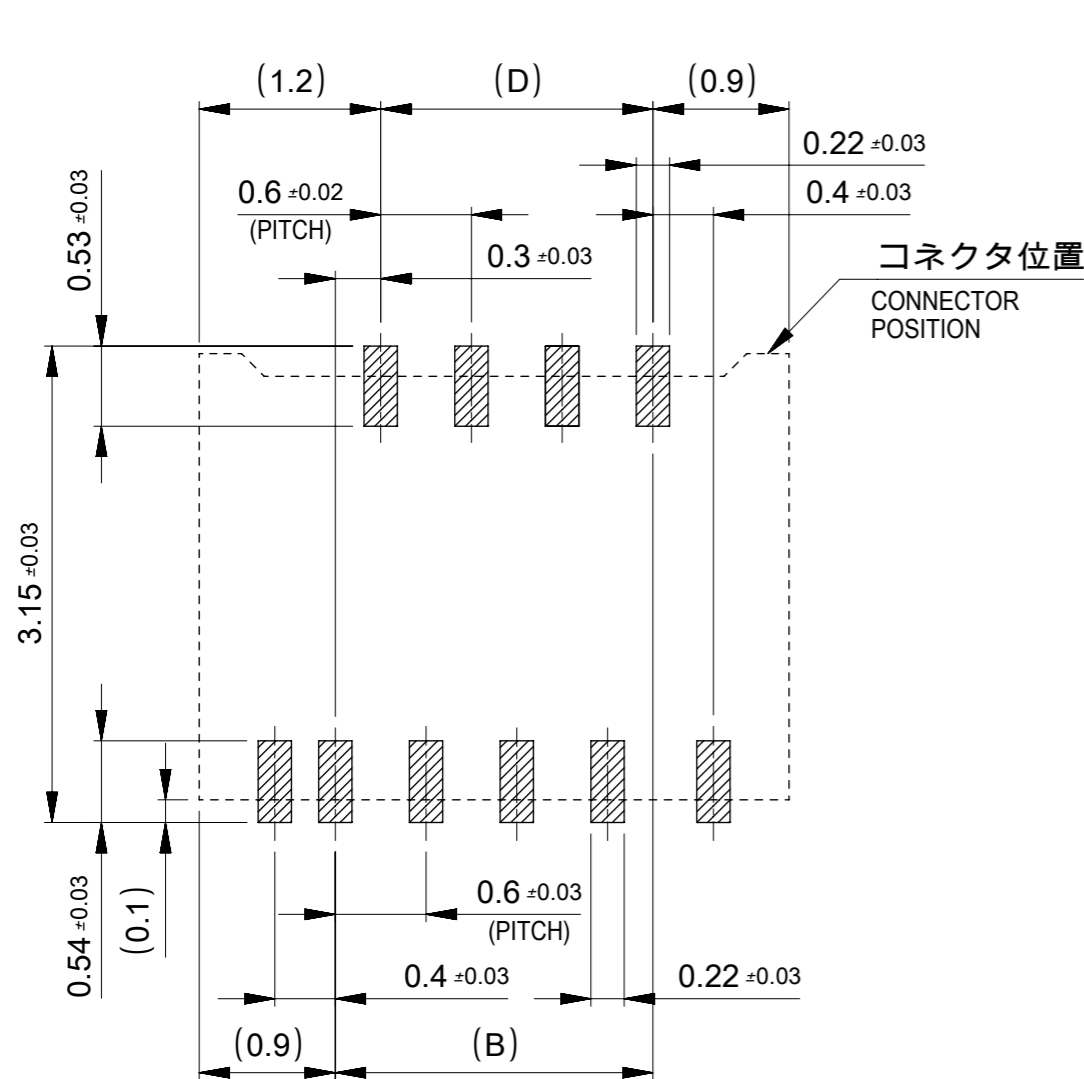
PLATING: GOLD PLATING(0.1μmMIN.)  
SOFT NICKEL UNDERPLATE (1-5μm)



適合金メッキFPC推奨寸法  
仕上がり厚さ : 0.2 ±0.03

APPLICABLE FPC WITH GOLD PLATING  
RECOMMENDED DIMENSION  
THICKNESS : 0.2 ±0.03

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
REVISED	2017/02/17	2017/02/20	2017/02/20	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE						
	2017/02/17	2017/02/20	2017/02/20		MM	20:1						
	2017/02/17	2017/02/20	2017/02/20		ANGULAR TOL ± 1.0 °	DRWN BY						DATE
	2017/02/17	2017/02/20	2017/02/20		4 PLACES ± 0.03	AYOSHII01						2016/03/18
	2017/02/17	2017/02/20	2017/02/20		3 PLACES ± 0.03	CHK'D BY						DATE
2017/02/17	2017/02/20	2017/02/20	2 PLACES ± 0.05	YKOBAYASHI02	2016/03/31							
2017/02/17	2017/02/20	2017/02/20	1 PLACE ± 0.1	APPR BY	DATE							
2017/02/17	2017/02/20	2017/02/20	0 PLACES ± 0.2	TKUSUHARA01	2016/03/31							
2017/02/17	2017/02/20	2017/02/20	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING						
2017/02/17	2017/02/20	2017/02/20		A3		SERIES	MATERIAL NUMBER	CUSTOMER				
2017/02/17	2017/02/20	2017/02/20				504754	SEE SHEET 1					
2017/02/17	2017/02/20	2017/02/20				DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
2017/02/17	2017/02/20	2017/02/20				5047541000		PSD	000	2 OF 3		



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

推奨メタルマスク厚さ : 0.1mm

RECOMMENDED METAL MASK THICKNESS : 0.1mm

推奨開口率 : 80%

APERTURE RATE : 80%

注記

NOTE

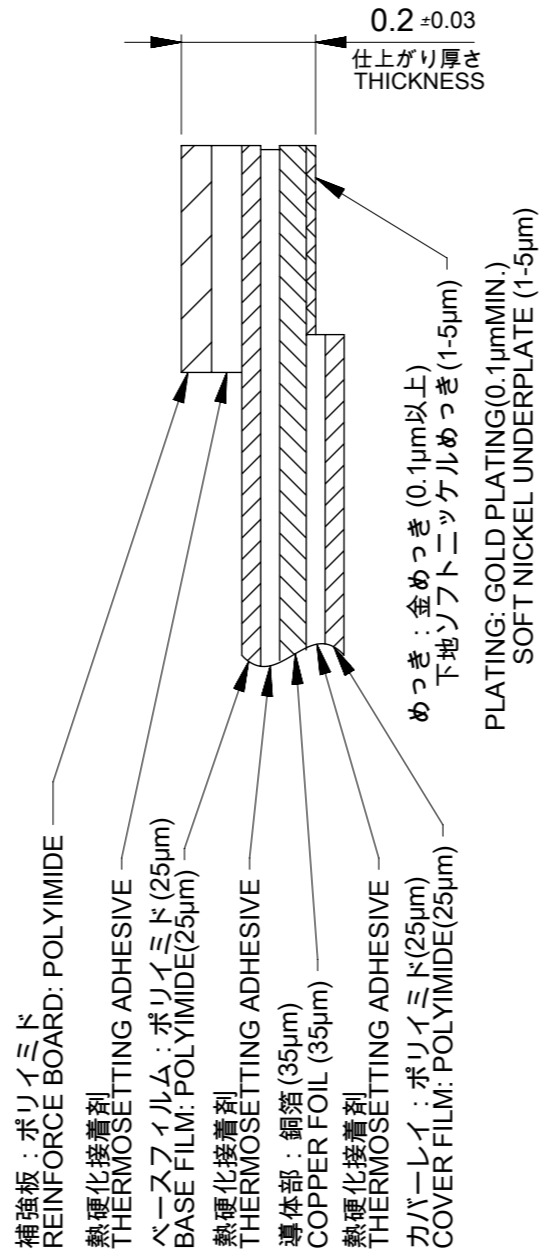
1. 必ず基板に実装してからアクチュエータを操作して下さい。  
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRATE.

2. 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25μm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.

打抜き方向は導体側から補強板側を推奨致します。  
RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

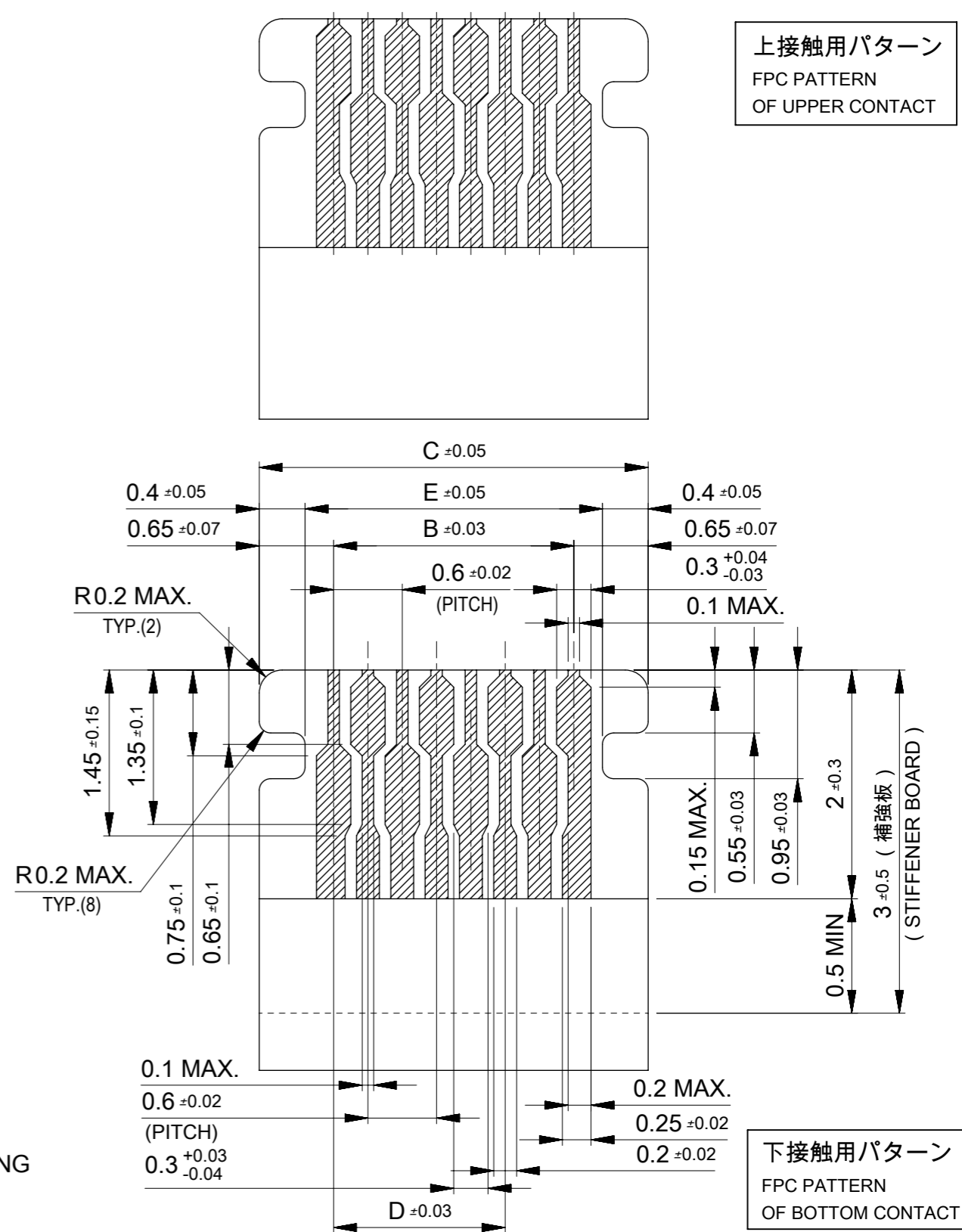


FPC構成推奨仕様  
STRUCTURE OF FPC

適合金メッキFPC推奨寸法

仕上がり厚さ : 0.2±0.03  
APPLICABLE FPC WITH GOLD PLATING  
RECOMMENDED DIMENSION  
THICKNESS : 0.2±0.03

16極ASSY用  
FOR 16 CKT ASSY



上接触用パターン  
FPC PATTERN  
OF UPPER CONTACT

下接触用パターン  
FPC PATTERN  
OF BOTTOM CONTACT

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REVISED EC NO: 113640 DRWN: YCHEN128 CHK'D: YKOBAYASHI02 REV APPR: TKUSUHARA01	2017/02/17	2017/02/20	2017/02/20	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS MM	SCALE 20:1				
	4 PLACES	± 0.03	AYOSHII01							2016/03/18
	3 PLACES	± 0.03	CHK'D BY							DATE
	2 PLACES	± 0.05	YKOBAYASHI02							2016/03/31
1 PLACE	± 0.1	APPR BY	DATE	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE A3	THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING			
0 PLACES	± 0.2	TKUSUHARA01	2016/03/31				SERIES 504754	MATERIAL NUMBER SEE SHEET 1	CUSTOMER	
DOCUMENT NUMBER 5047541000			DOC TYPE PSD				DOC PART 000	SHEET NUMBER 3 OF 3		