

参考基板レイアウト (マウント面)

P.C. BOARD PATTERN  
DIM.(REF.)

推奨メタルマスク厚さ : 0.1mm
RECOMMENDED METAL MASK THICKNESS : 0.1mm
推奨開口率 : 100%
APERTURE RATE : 100%

注記  
NOTE

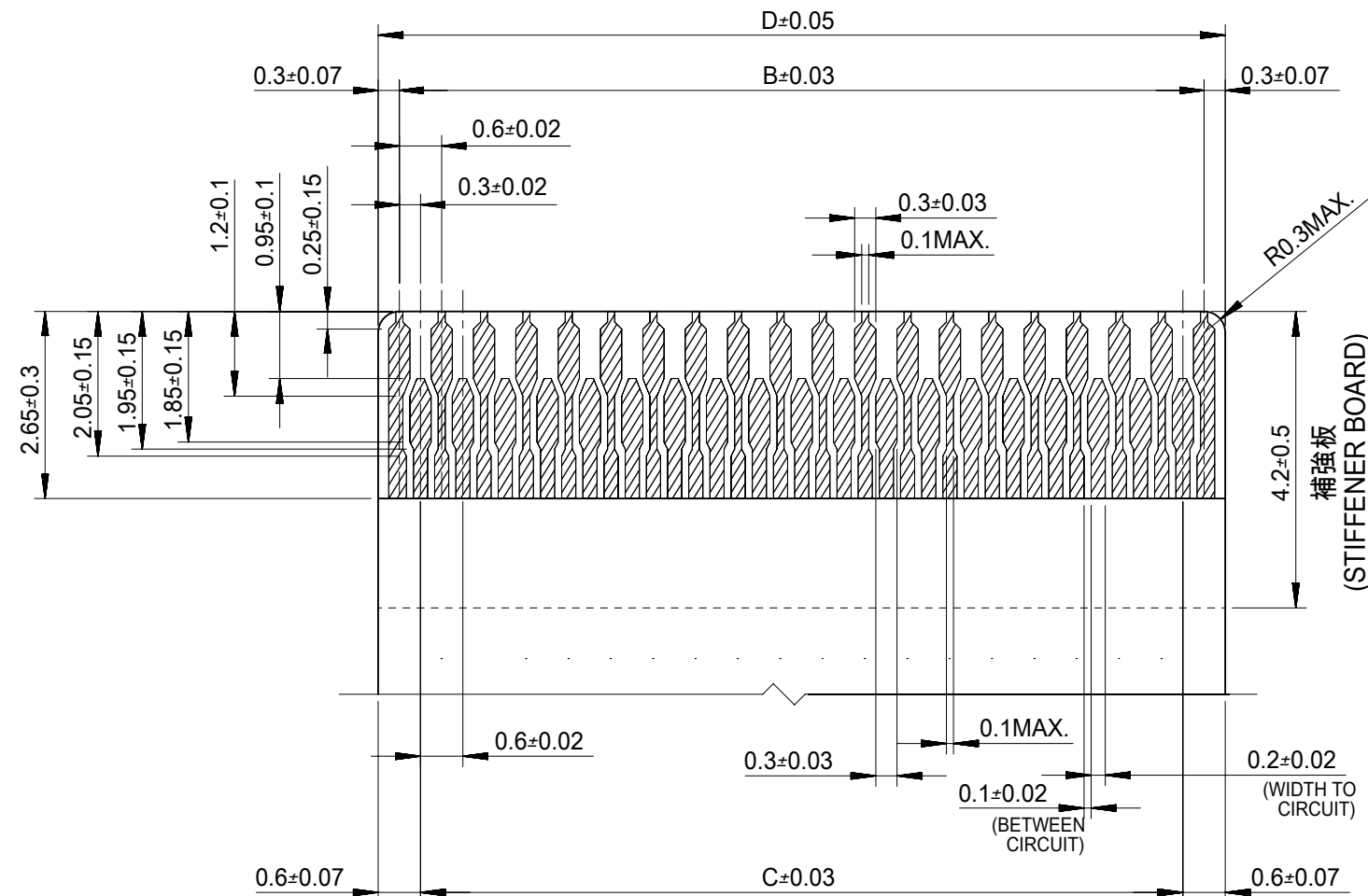
- 基板実装前にアクチュエータを操作しないで下さい。  
PLEASE DO NOT OPERATE THE ACTUATOR BEFORE MOUNTING.
- 必ず基板に実装してからアクチュエータを操作して下さい。  
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRATE
- FPCについて

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。

**ABOUT FPC**  
RECOMMENDED STIFFENER MATERIAL: POLYIMIDE  
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER  
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE  
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。  
導体部については軟銅箔35μmまたは50μmを推奨致します。  
RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
RECOMMENDED CONDUCTOR SPECIFICATION:  
THICKNESS OF SOFT COPPER FOIL: 35 MICROMETER OR 50 MICROMETER

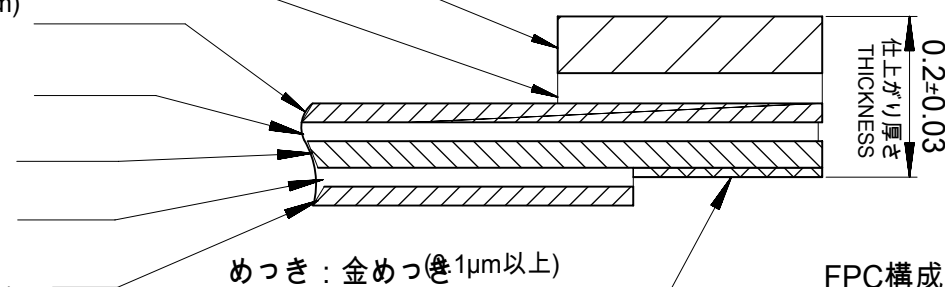
- 平坦度は0.1以下  
COPLANARITY TO BE 0.1 MAXIMUM
- 502350-\*\*19限定形状  
ONLY USED BY 502350-\*\*19
- ELV及びRoHS適合品  
ELV AND RoHS COMPLIANT



適合FPC推奨寸法

仕上がり厚さ : 0.2±0.03  
APPLY FPC  
RECOMMENDED DIM.  
THICKNESS : 0.2±0.03

補強板 : ポリイミド  
REINFORCE BOARD: POLYIMIDE  
熱硬化接着剤  
THERMOSETTING ADHESIVE  
ベースフィルム : ポリイミド(25μm)  
BASE FILM: POLYIMIDE(25μm)  
熱硬化接着剤  
THERMOSETTING ADHESIVE  
導体部 : 銅箔(35μm)  
COPPER FOIL (35μm)  
熱硬化接着剤  
THERMOSETTING ADHESIVE  
カバーレイ : ポリイミド(25μm)  
COVER FILM: POLYIMIDE(25μm)

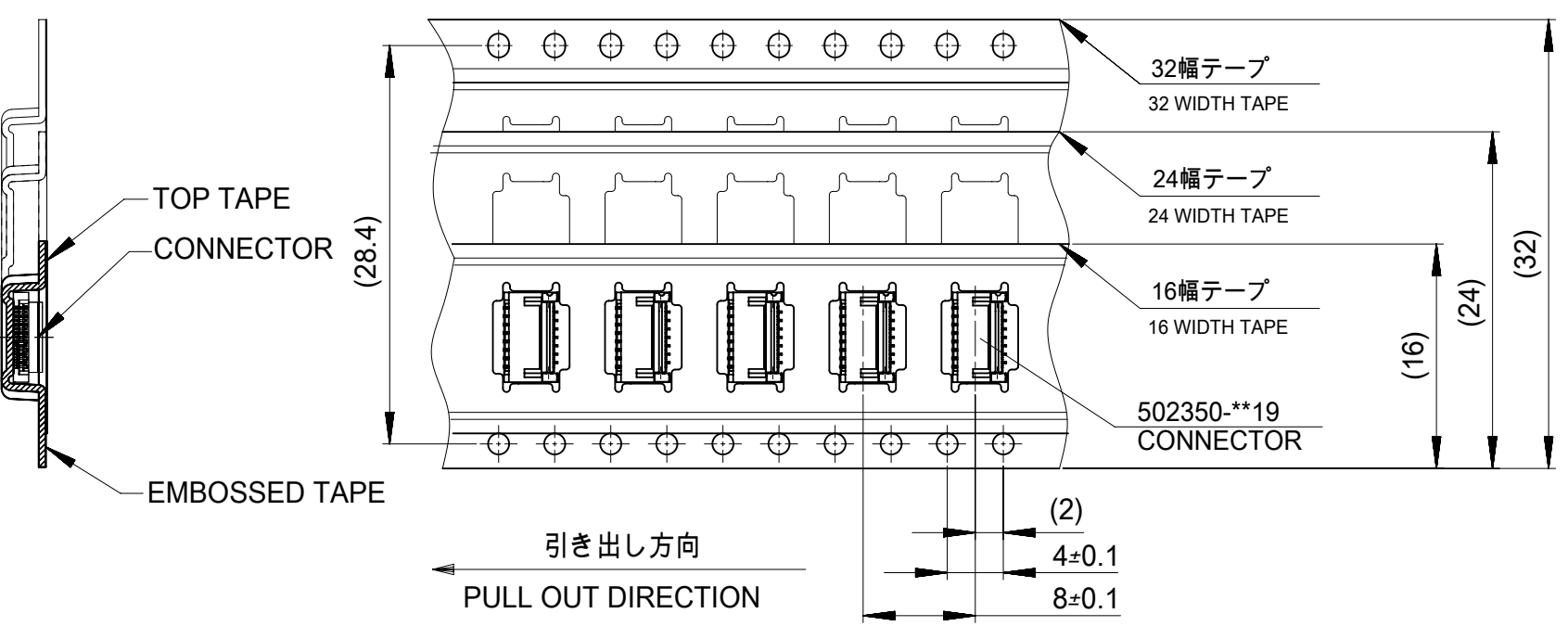
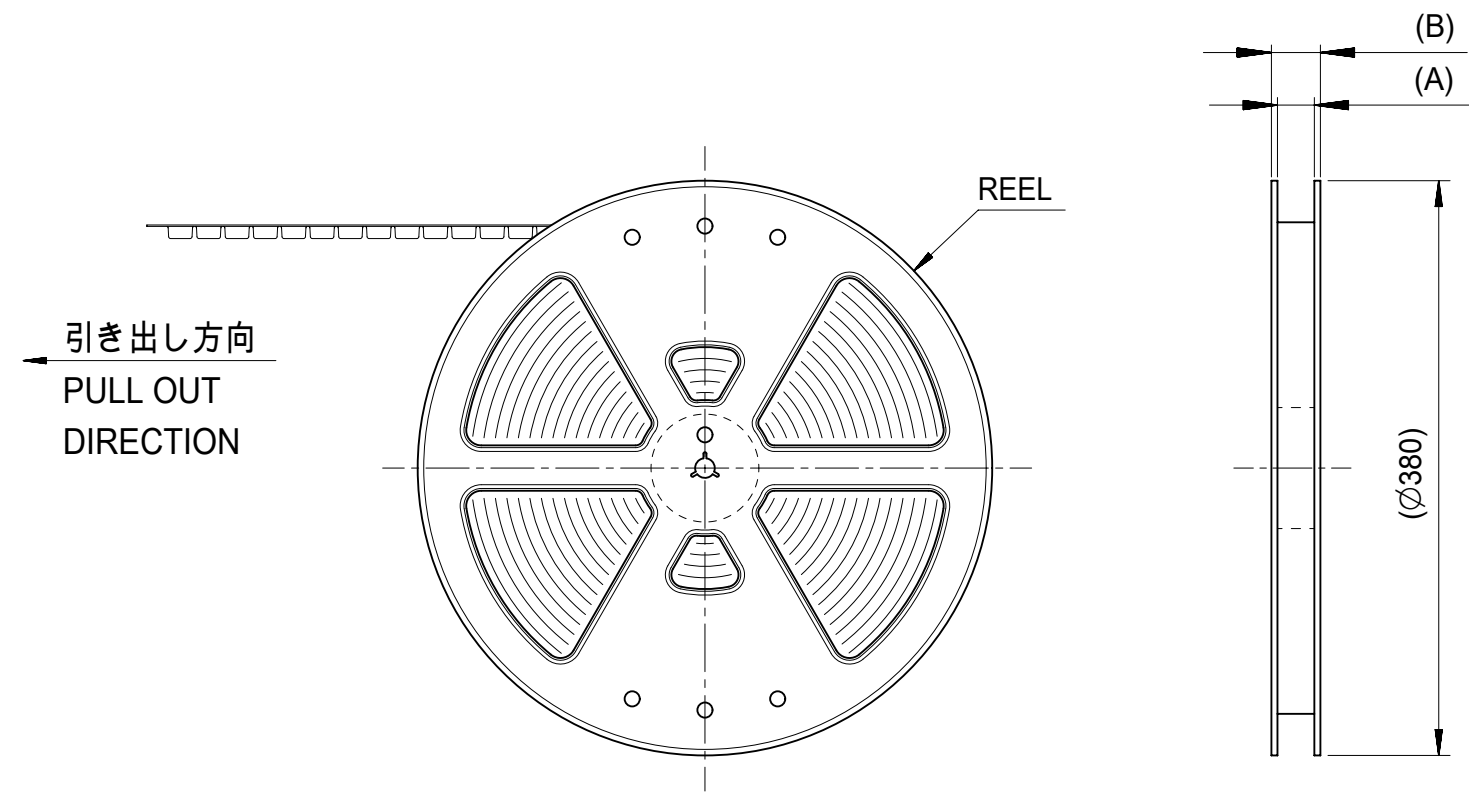


めっき : 金めっき(1μm以上)  
下地ニッケル (1-5μm)  
PLATING: GOLD(0.1μmMIN.)  
NICKEL UNDER (1-5μm)

FPC構成推奨仕様  
STRUCTURE OF FPC

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<b>molex</b>	
DIMENSION UNITS: mm	SCALE: 1:1	EC NO: 626023			
GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: AKUMAR19 2019/10/21		0.3 FPC CONN. E/O H=1.1 HOUSING ASSY WITH GUIDE	
4 PLACES ±		CHK'D: GGA 2019/10/22		PRODUCT CUSTOMER DRAWING	
3 PLACES ±		APPR: GGA 2019/10/22		DOCUMENT NUMBER: SD-502350-003	
2 PLACES ±		INITIAL REVISION:		DOC TYPE: PSD	
1 PLACE ±		DRWN: SHIRATA 2012/03/26		DOC PART: 001	
0 PLACES ±		APPR: KMORIKAWA 2012/03/27		REVISION: B	
ANGULAR TOL ± 3.0°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NUMBER: SEE TABLE	
THIRD ANGLE PROJECTION		DRAWING: A3-SIZE		CUSTOMER: GENERAL	
SERIES: 502350		SHEET NUMBER: 2 OF 2			

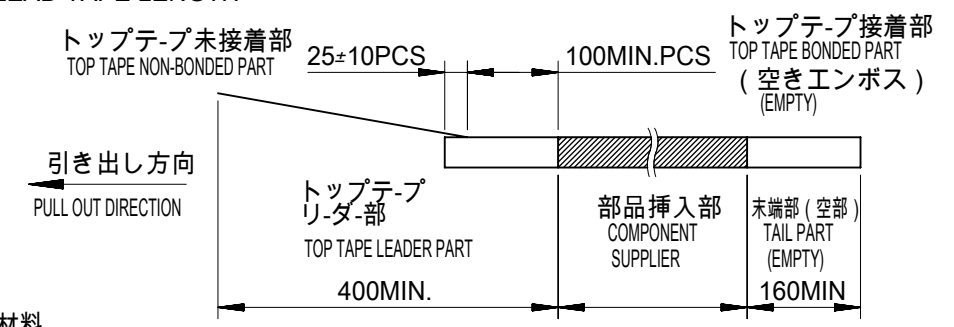
GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER		±0.2
10 OVER	30 UNDER	±0.25
30 OVER		±0.3



エンボステープ内の製品の向き  
DIRECTION OF CONNECTOR IN  
EMBOSSED TAPE

NOTES

- 製品 (502350-\*\*-19) の詳細寸法については、図面 SD-502350-003をご参照下さい。  
IN THE PACKAGE, PART NO. 502350-\*\*-19 DETAILED DIMENSIONS.  
REFER TO SALES DRAWING NO. SD-502350-003.
- 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



- 材料  
キャリアテープ : ポリスチレン (PS)  
トップテープ : PET, OTHER  
リール : ポリスチレン (PS) <リサイクル材を含む>  
MATERIAL  
CARRIER TAPE : POLYSTYRENE(PS)  
TOP TAPE : PET, OTHER  
REEL : POLYSTYRENE(PS)  
<RECYCLE MATERIAL CONTAINED>

- ELV及びRoHS適合品  
ELV AND RoHS COMPLIANT
- トップテープの剥離強度については、IEC60286-3に準拠  
TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3.

37.4	33.4	32	502350-5110	51
			502350-4710	47
29.4	25.4	24	502350-4510	45
			502350-4110	41
			--	39
			--	37
			502350-3310	33
			502350-3110	31
			502350-2310	23
			502350-1910	19
21.4	17.4	16	502350-1510	15
B	A	WIDTH TAPE	EMBOSSED PACKAGE オーダー番号 ORDER NO.	CIRCUIT
502350-**-10			MODEL NO.	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER		±0.2
10 OVER	30 UNDER	±0.25
30 OVER		±0.3

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DIMENSION UNITS	SCALE	CURRENT REV DESC:
mm	NTS	
GENERAL TOLERANCES (UNLESS SPECIFIED)		
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	
0 PLACES	±	
ANGULAR TOL ± 3.0°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
THIRD ANGLE PROJECTION		
DRAWING	SERIES	MATERIAL NUMBER
A3-SIZE	502350	SEE TABLE
EC NO: 620398		
DRWN: AKUMAR19 2019/01/22		
CHK'D: GGA 2019/10/18		
APPR: GGA 2019/10/18		
INITIAL REVISION:		
DRWN: SHIRATA 2012/03/26		
APPR: KMORIKAWA 2012/03/27		
DOCUMENT NUMBER		
SD-502350-004		
DOC TYPE DOC PART REVISION		
PSD	001	A
CUSTOMER		
GENERAL MARKET		
SHEET NUMBER		
1 OF 1		