

部品構成 MATERIAL

1.ハウジング：液晶ポリマー(LCP)、ガラス充填、ナチュラル、UL94V-0
 HOUSING : LIQUID CRYSTAL POLIMER(LCP), GLASS FILLED, NATURAL UL94V-0

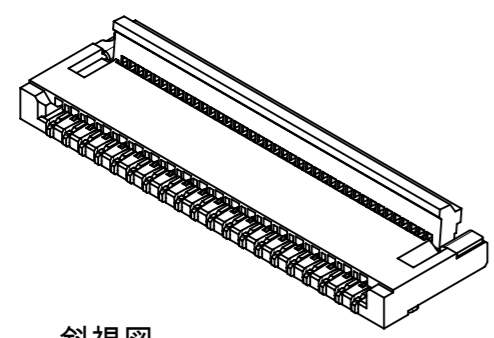
2.奇数タ-ミナル：リン青銅
 ODD TERMINAL : PHOSPHOR BRONZE
 処理：ニッケル下地(1.0μm以上)
 コンタクト部：部分金メッキ(0.1μm以上)
 テール部：部分金メッキ
 ニッケルストライプ(バリア)
 FINISH : OVER NICKEL PLATING (1.0 MICROMETER MINIMUM)
 CONTACT AREA : SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM)
 SOLDER TAIL AREA : SEPARATED GOLD PLATING NI STRIPE(BARRIER)

3.偶数タ-ミナル：リン青銅
 EVEN TERMINAL :PHOSPHOR BRONZE
 処理：ニッケル下地(1.0μm以上)
 コンタクト部：部分金メッキ(0.1μm以上)
 テール部：部分金メッキ
 ニッケルストライプ(バリア)
 FINISH : OVER NICKEL PLATING (1.0 MICROMETER MINIMUM)
 CONTACT AREA : SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM)
 SOLDER TAIL AREA : SEPARATED GOLD PLATING NI STRIPE(BARRIER)

4.アクチュエ-タ：ポリアミド(PA)、ガラス充填、黒色、UL94V-0
 ACTUATOR : POLYAMIDE(PA), GLASS FILLED, BLACK, UL94V-0

5.ネイル：リン青銅
 NAIL : PHOSPHOR BRONZE
 処理：ニッケル下地すずめっき
 FINISH : TIN OVER NICKEL PLATING

15.6	14.4	15.0	17.2	502350-5110	51
14.4	13.2	13.8	16.0	502350-4710	47
13.8	12.6	13.2	15.4	502350-4510	45
12.6	11.4	12.0	14.2	502350-4110	41
12.0	10.8	11.4	13.6	—//—	39
11.4	10.2	10.8	13.0	—//—	37
10.2	9.0	9.6	11.8	502350-3310	33
9.6	8.4	9.0	11.2	502350-3110	31
7.2	6.0	6.6	8.8	502350-2310	23
6.0	4.8	5.4	7.6	502350-1910	19
4.8	3.6	4.2	6.4	502350-1510	15
D	C	B	A	EMBOSSED TAPE ORDER NO. オーダー番号	CIRCUITS



斜視図
SCALE 5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3

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

SCALE: 10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

DIMENSION UNITS	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±

ANGULAR TOL ± 3.0°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

CURRENT REV DESC:

EC NO: 626023
 DRWN: AKUMAR19 2019/10/21
 CHK'D: GGA 2019/10/22
 APPR: GGA 2019/10/22

INITIAL REVISION:
 DRWN: SHIRATA 2012/03/26
 APPR: KMORIKAWA 2012/03/27

DRAWING: A3-SIZE
 SERIES: 502350

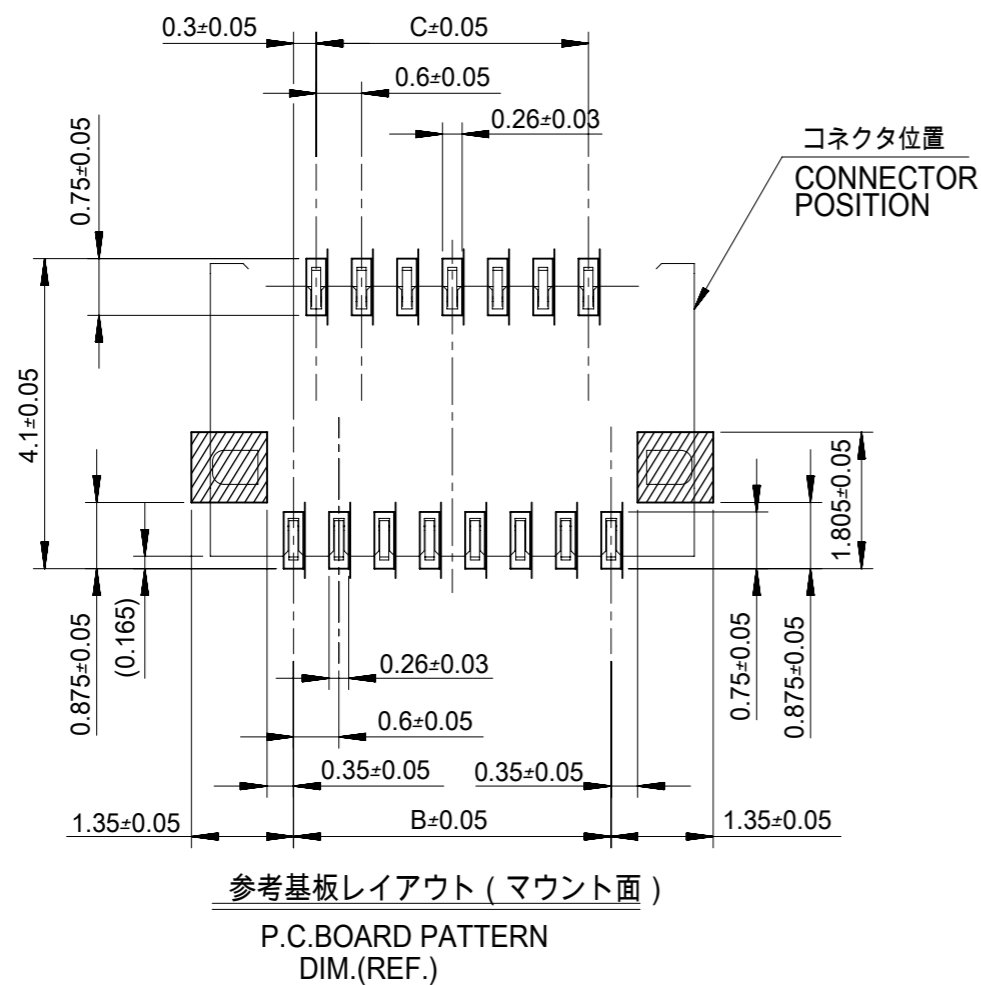
molex

0.3 FPC CONN. E/O H=1.1
 HOUSING ASSY WITH GUIDE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-502350-003
 DOC TYPE: PSD
 DOC PART: 001
 REVISION: B

MATERIAL NUMBER: SEE TABLE
 CUSTOMER: GENERAL
 SHEET NUMBER: 1 OF 2



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

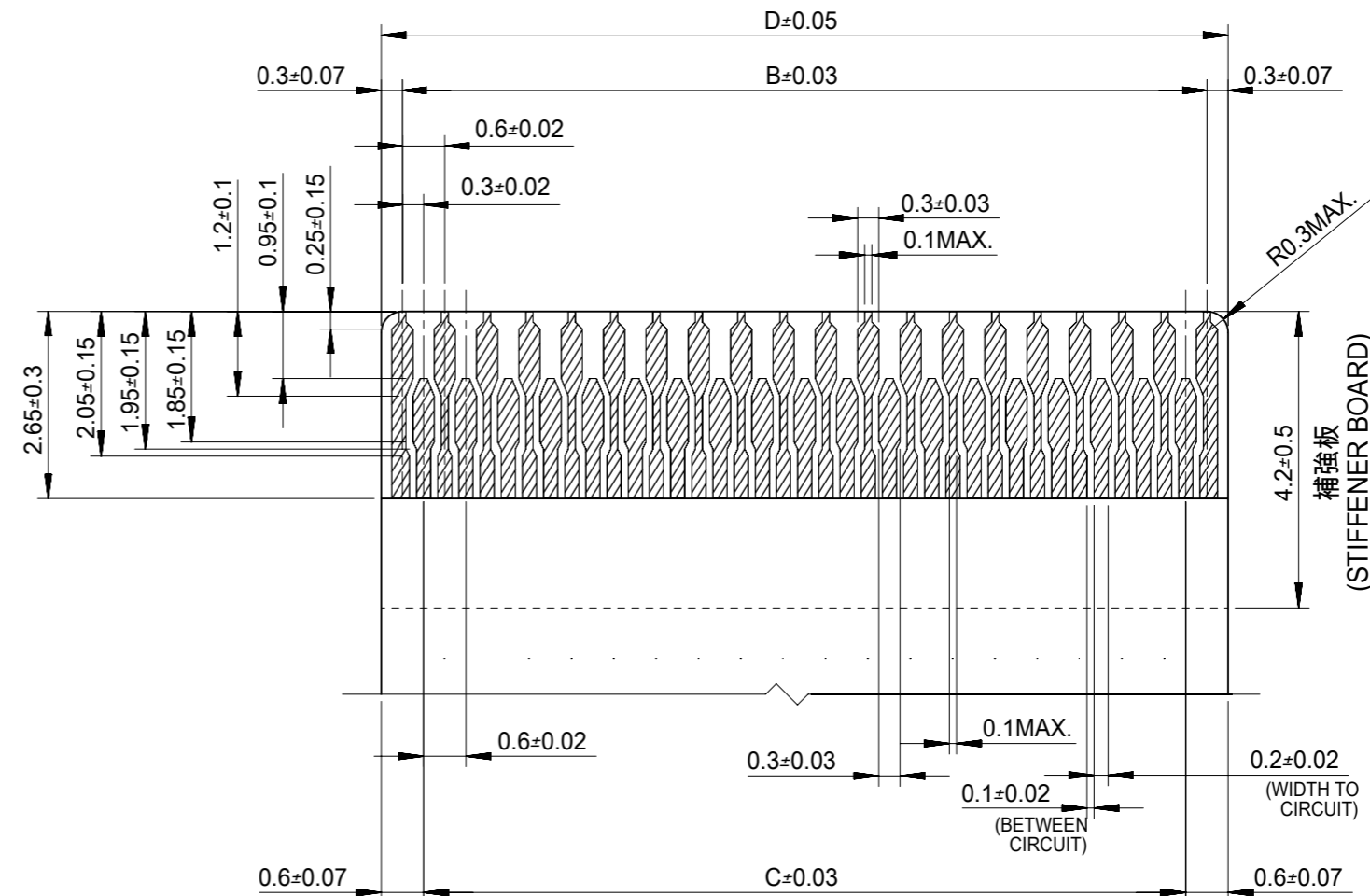
- 基板実装前にアクチュエータを操作しないで下さい。
PLEASE DO NOT OPERATE THE ACTUATOR BEFORE MOUNTING.
- 必ず基板に実装してからアクチュエータを操作して下さい。
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRAT
- FPCについて
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様、お願い致します。

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: 35MICROMETER OR 50 MICROMETER

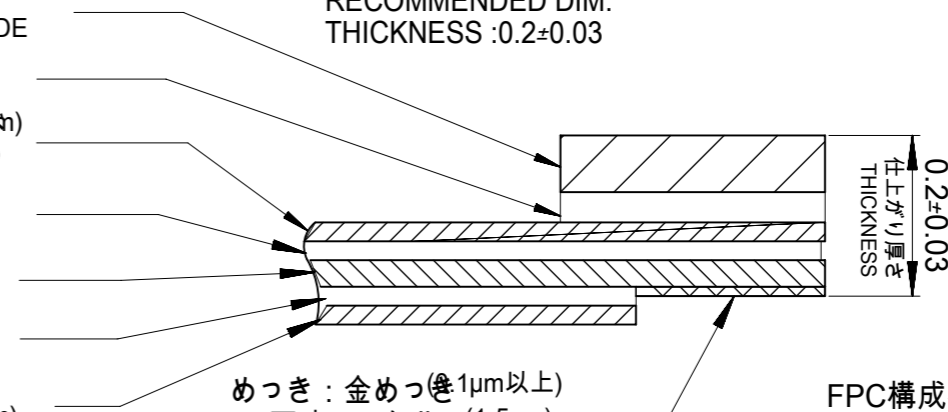
- 平坦度は0.1以下
COPLANARITY TO BE 0.1 MAXIMUM
- 502350-**19限定形状
ONLY USED BY 502350-**19
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT



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)



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									
DIMENSION UNITS		SCALE		CURRENT REV DESC:					
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
		MM		INCH					
4 PLACES		±		±		EC NO: 626023			
3 PLACES		±		±		DRWN: AKUMAR19 2019/10/21			
2 PLACES		±		±		CHK'D: GGA 2019/10/22			
1 PLACE		±		±		APPR: GGA 2019/10/22			
0 PLACES		±		±		INITIAL REVISION:			
		ANGULAR TOL		± 3.0°		DRWN: SHIRATA 2012/03/26			
						APPR: KMORIKAWA 2012/03/27			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
				A3-SIZE		502350		MATERIAL NUMBER	
						SEE TABLE		CUSTOMER	
						GENERAL		SHEET NUMBER	
						2 OF 2			

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