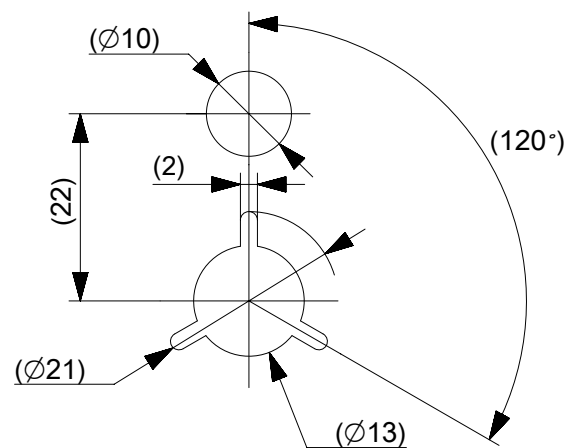
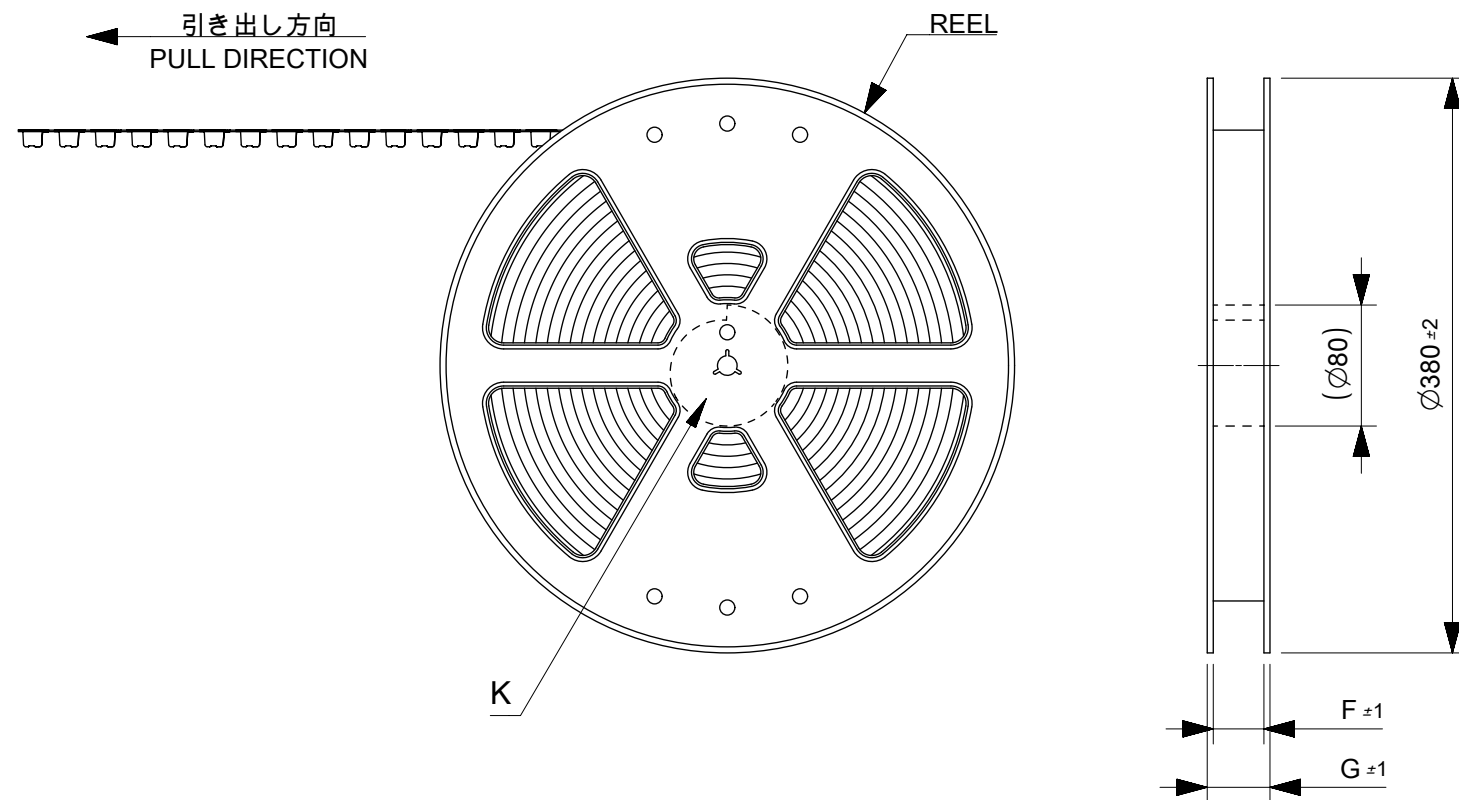
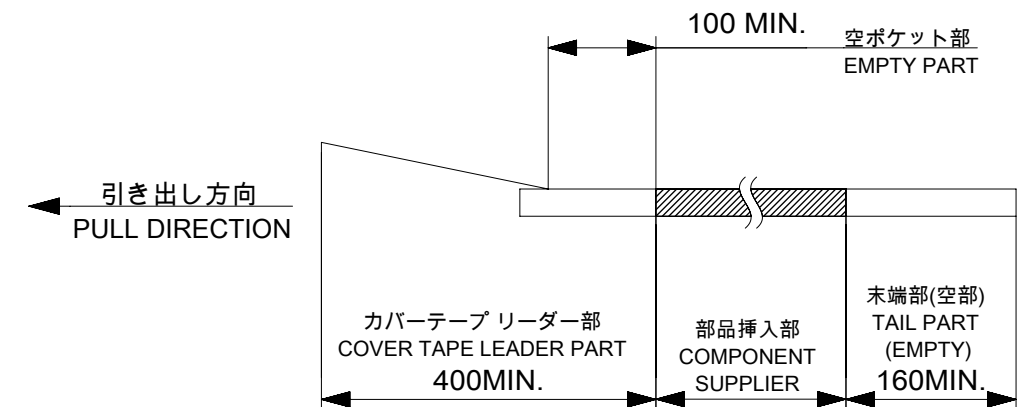




DETAIL K

- ## NOTES

1. 製品詳細寸法については 5019511005-SDを参照下さい。
FOR DIMENSIONS OF PRODUCT, REFER TO 5019511005-SD.
2. 梱包数量 : 2000個/リール
NUMBER OF CONNECTORS : 2000PIECES/REEL
3. リードテープ長さ
LEAD TAPE LENGTH

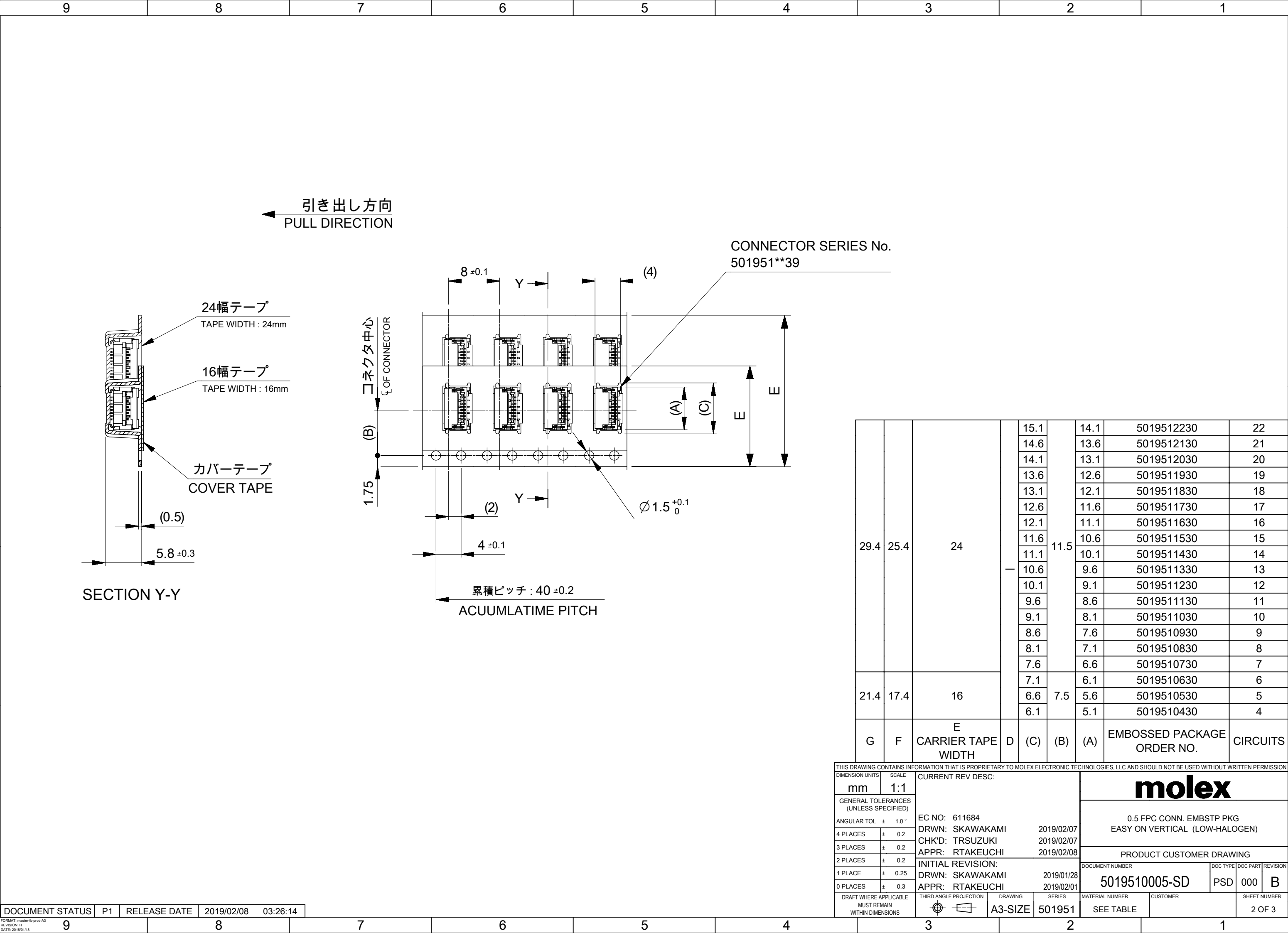


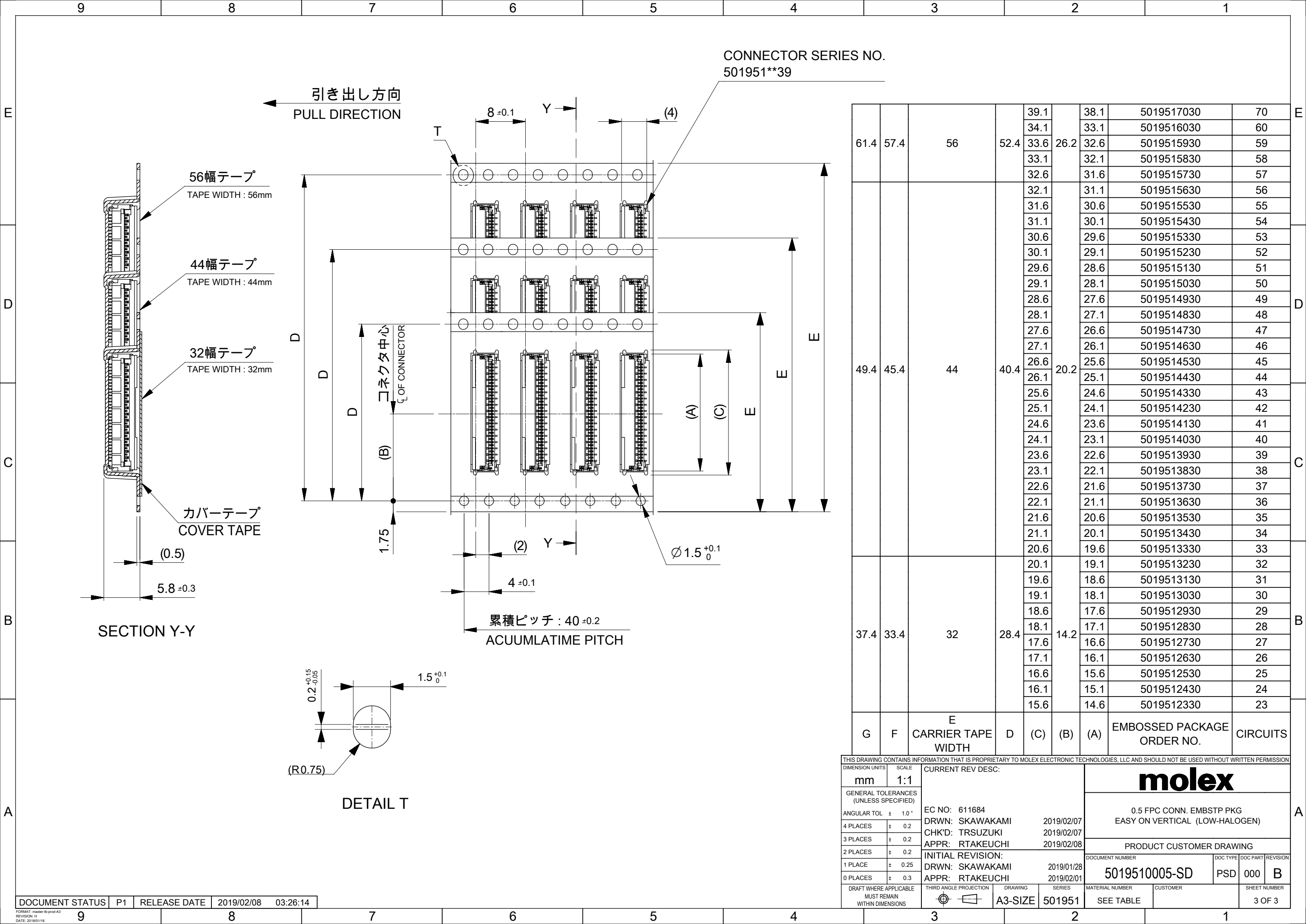
- 4.カバートープの剥離強度については、IEC60286-3に準拠。
COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.
- 5.材料 MATERIAL
キャリアテープ：ポリスチレン
CARRIER TAPE : POLYSTYRENE
カバートープ：ポリエチレンテレフタレート、ポリエチレン
COVER TAPE : POLYETHYLENE TEREPHTHALATE , POLYETHYLENE
リール：ポリスチレン<リサイクル材を含む>
REEL : POLYSTYRENE<RECYCLE MATERIAL CONTAINED>

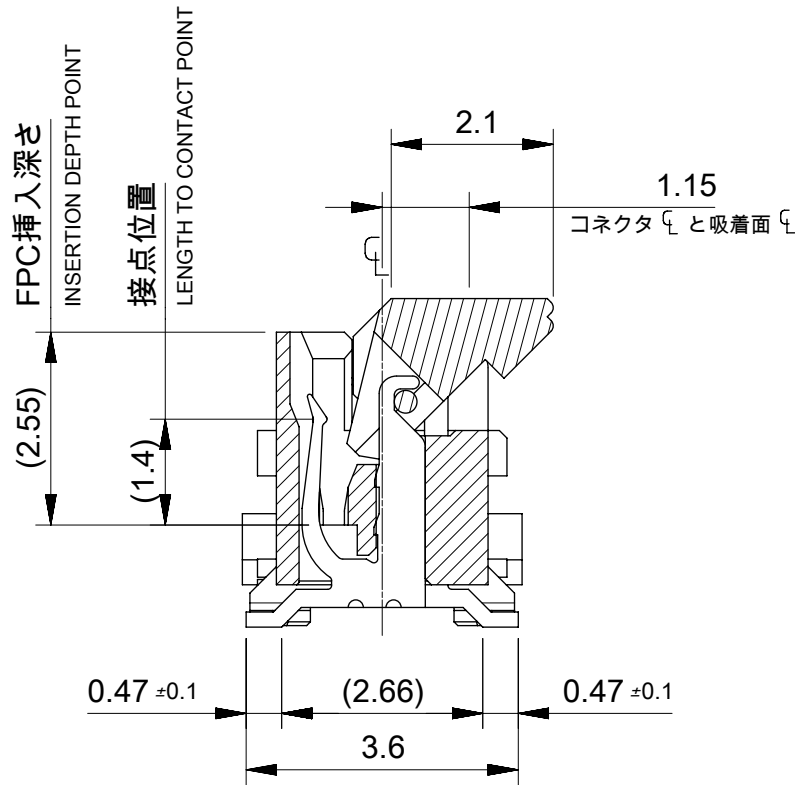
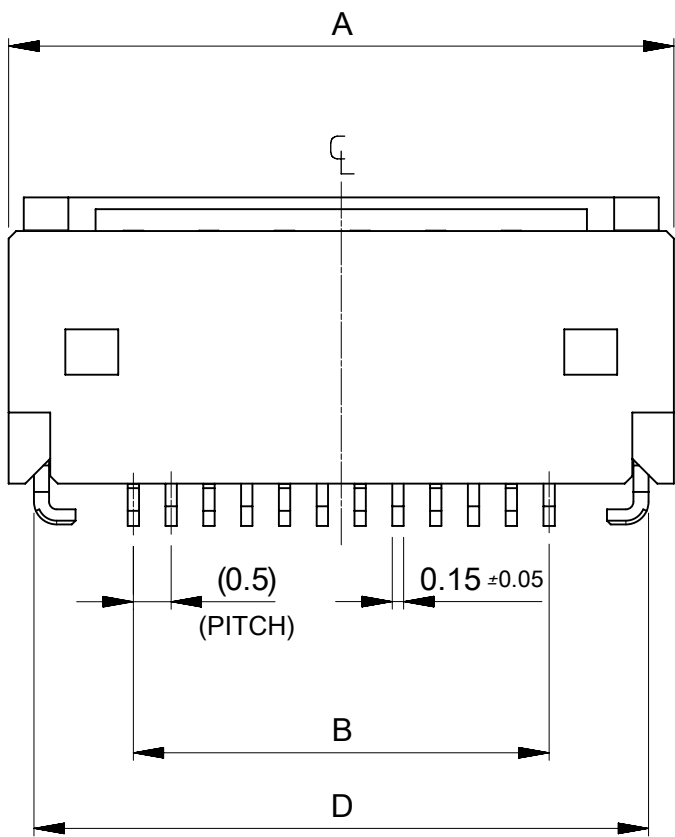
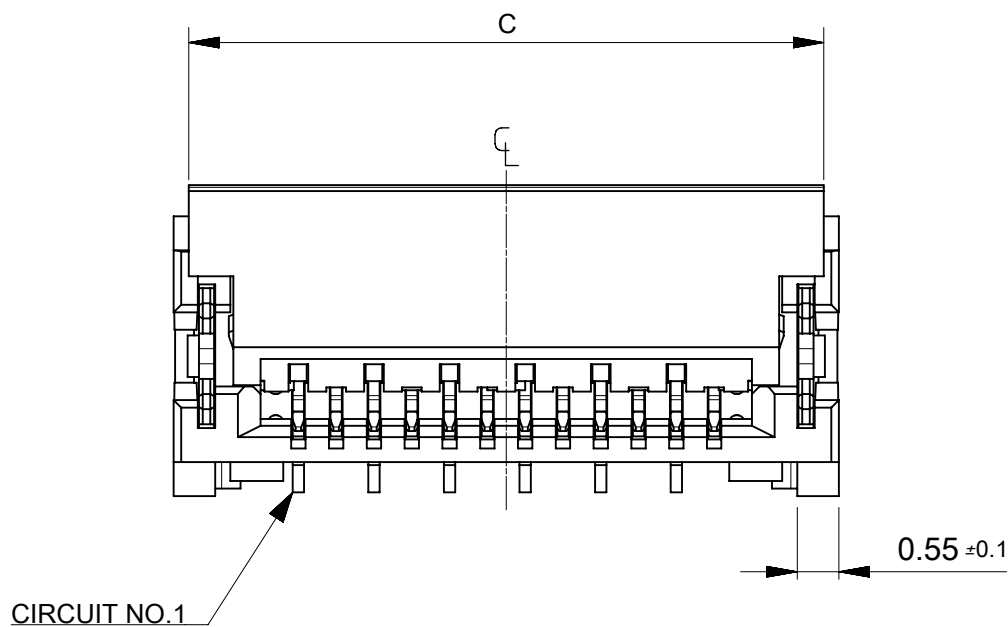
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 611684 DRWN: SKAWAKAMI 2019/02/07 CHK'D: TRSUZUKI 2019/02/07 APPR: RTAKEUCHI 2019/02/08				0.5 FPC CONN. EMBSTP PKG EASY ON VERTICAL (LOW-HALOGEN)							
ANGULAR TOL ± 1.0°															
4 PLACES		± 0.2													
3 PLACES		± 0.2													
2 PLACES		± 0.2													
1 PLACE		± 0.25		INITIAL REVISION: DRWN: SKAWAKAMI 2019/01/28 APPR: RTAKEUCHI 2019/02/01				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
0 PLACES		± 0.3						5019510005-SD		PSD	000	B			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		501951		SEE TABLE				1 OF 3	

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/08	03:26:14
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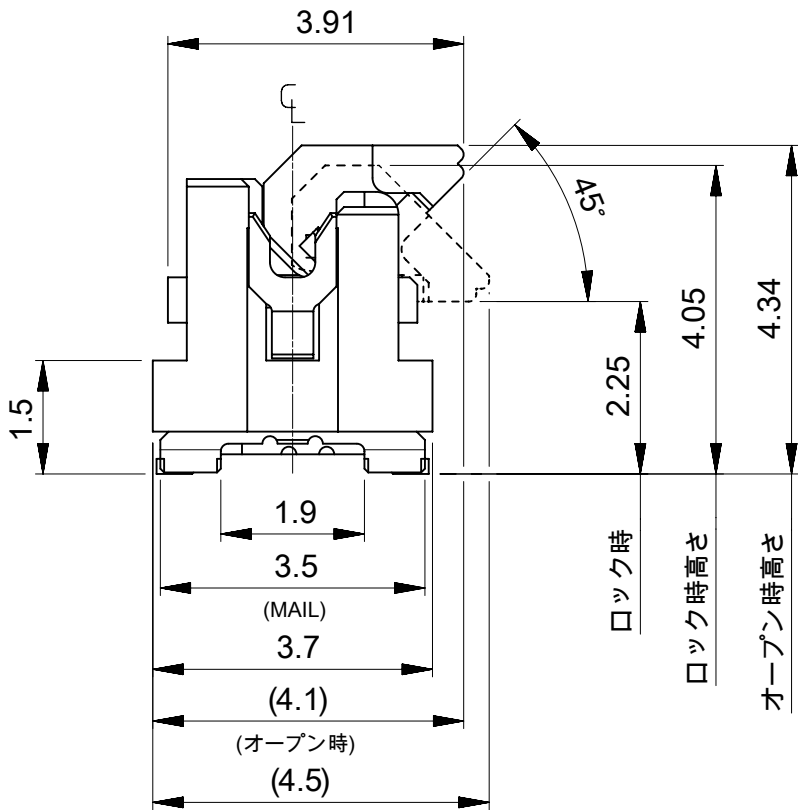
FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18



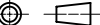




断面図 (参考)

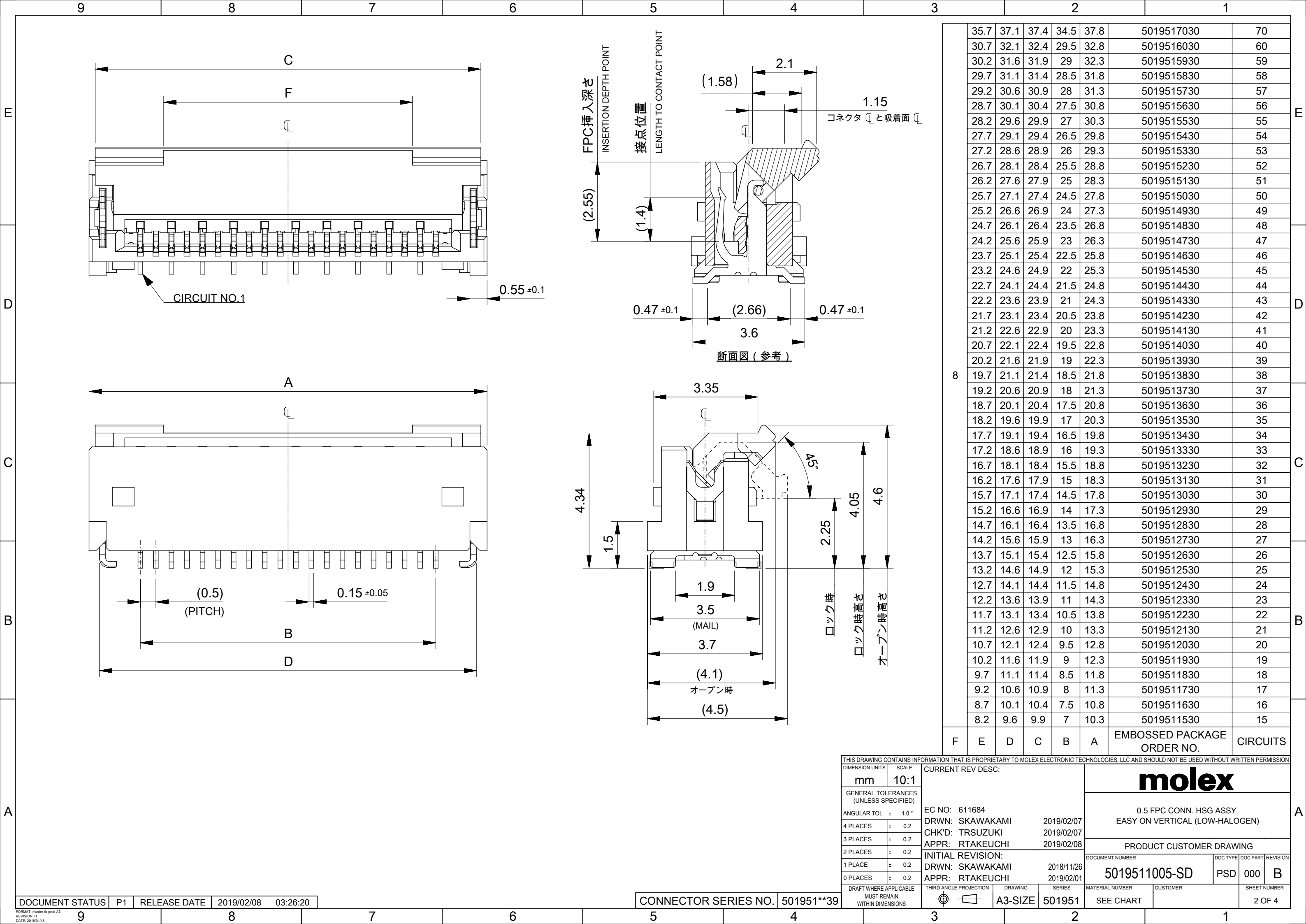


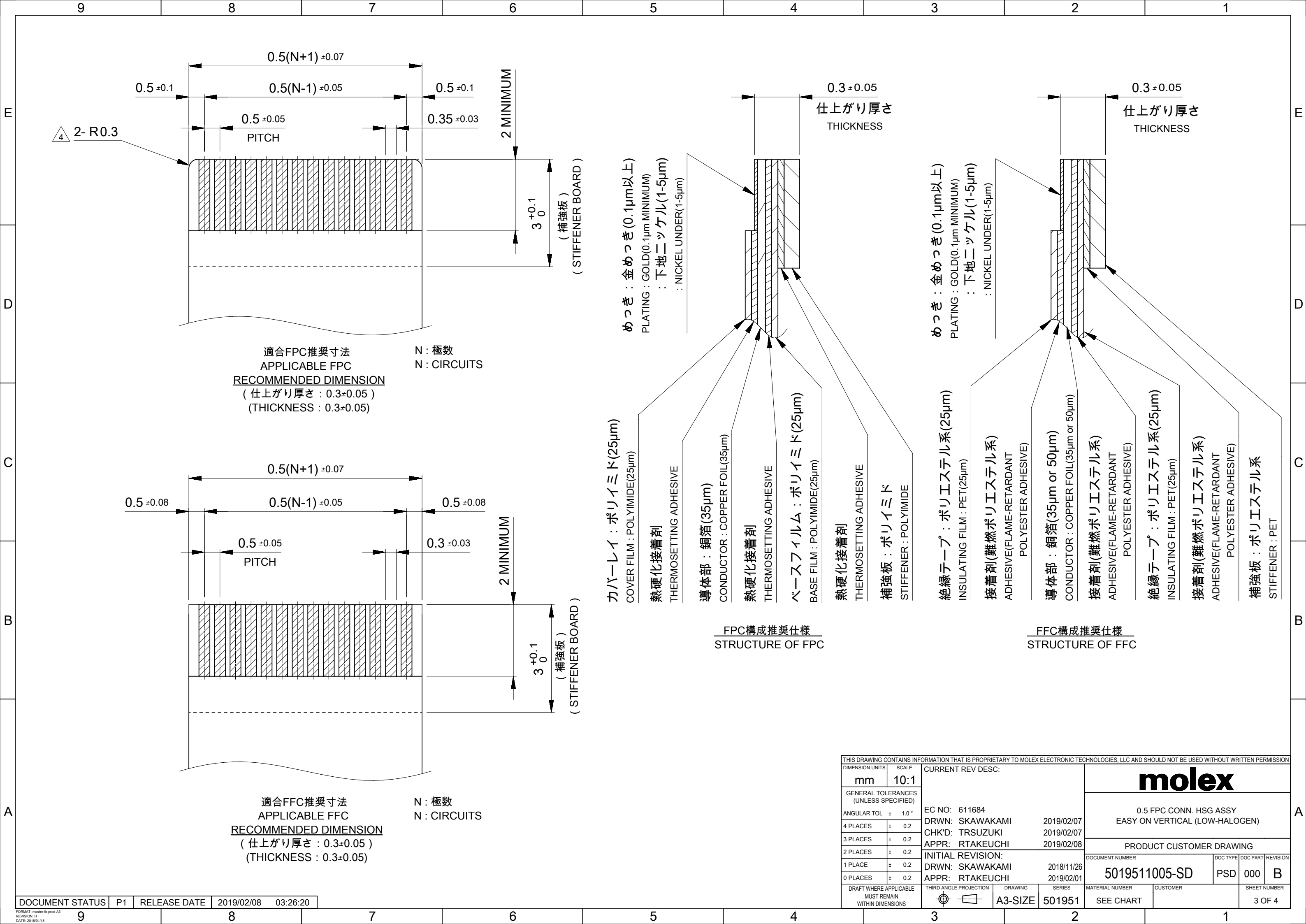
7.7	9.1	9.4	6.5	9.8	5019511430	14
7.2	8.6	8.9	6	9.3	5019511330	13
6.7	8.1	8.4	5.5	8.8	5019511230	12
6.2	7.6	7.9	5	8.3	5019511130	11
5.7	7.1	7.4	4.5	7.8	5019511030	10
5.2	6.6	6.9	4	7.3	5019510930	9
4.7	6.1	6.4	3.5	6.8	5019510830	8
4.2	5.6	5.9	3	6.3	5019510730	7
3.7	5.1	5.4	2.5	5.8	5019510630	6
3.2	4.6	4.9	2	5.3	5019510530	5
2.7	4.1	4.4	1.5	4.8	5019510430	4
E	D	C	B	A	EMBOSSED TAPE ORDER NO.	CIRCUITS

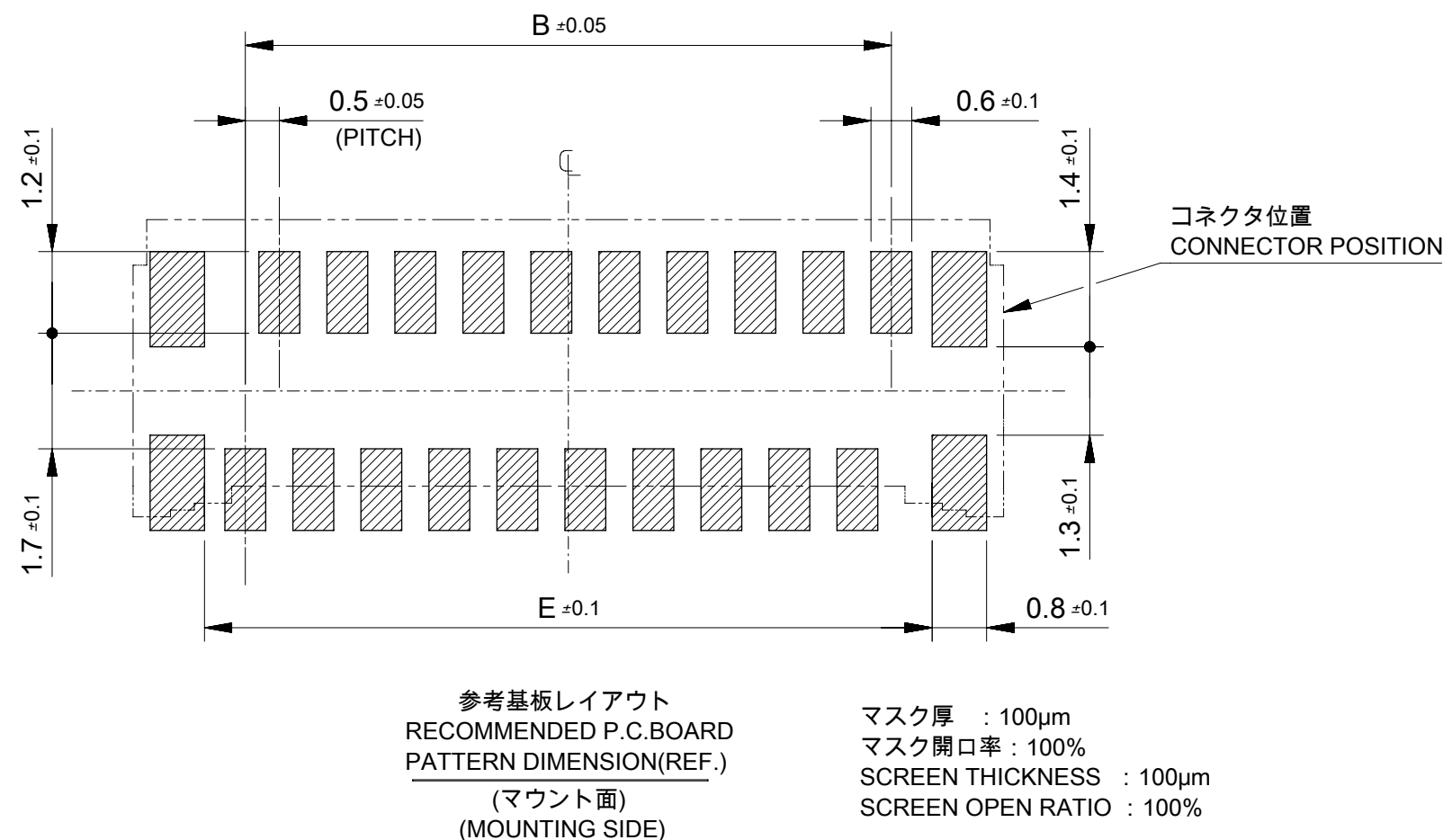
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DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex						
mm		10:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				0.5 FPC CONN. HSG ASSY EASY ON VERTICAL (LOW-HALOGEN)									
ANGULAR TOL ± 1.0 °													
4 PLACES		± 0.2		EC NO: 611684			PRODUCT CUSTOMER DRAWING						
3 PLACES		± 0.2		DRWN: SKAWAKAMI 2019/02/07									
2 PLACES		± 0.2		CHK'D: TRSUZUKI 2019/02/07									
1 PLACE		± 0.2		APPR: RTAKEUCHI 2019/02/08			DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION	
0 PLACES		± 0.2		INITIAL REVISION:									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE	501951	SEE CHART				1 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/08	03:26:20
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CONNECTOR SERIES NO.	501951**39
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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。
導体部については軟箔銅35μmまたは50μmを推奨します。
FFCに規定された定格温度がFFC単体前提である場合が御座います。
コネクタと組み合わせての実使用において、接着層が劣化するなどの信頼性を満足できないケースを回避するため、
実機での評価/確認をお願い致します。

RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER
NOTE: WHEN ACTUALLY USING IT WITH CONNECTOR, PLEASE DO THE EVALUATION AND THE
CONFIRMATION WITH AN ACTUAL EQUIPMENT TO EVADE THE CASE WHERE RELIABILITY
CANNOT BE FILLED (THE ADHESIVE LINE OF FFC IS DETERIORATED ETC.)

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 MATERIAL/THICKNESS.
 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.
 THERE IS A POSSIBILITY THAT THE PRESCRIPT TEMPERATURE OF FFC IS SET TO SINGLE IT.

- 注記 NOTES:

1. 使用材料 MATERIAL
- | | |
|---------------------|---|
| ハウジング
HOUSING | : 液晶ポリマー ガラス充填, UL94V-0(白)
LIQUID CRYSTAL POLYMER
GLASS FILLED, UL94V-0 (WHITE) |
| アクチュエータ
ACTUATOR | : ポリアミド, ガラス充填, UL94V-0(黒)
POLYAMIDE, GLASS FILLED,
UL94V-0 (BLACK) |
| ターミナル
TERMINAL | : りん青銅(t=0.15)
PHOSPHOR BRONZE |
| 金具
FITTING NAIL | : りん青銅(t=0.2)
PHOSPHOR BRONZE |

2. めっき仕様 PLATING
- ターミナル TERMINAL
 - コンタクト部：部分金めっき(0.1μm以上)
 - テール部：部分金めっき
 - 下地：ニッケルめっき(1.0μm以上)
 - CONTACT AREA：SEPARATED GOLD PLATING
(0.1 MICROMETER MINIMUM)
 - SOLDER TAIL AREA：SEPARATED GOLD PLATING
 - UNDERPLATE：NICKEL OVERALL
- 金具 FITTING NAIL
- ニッケル下地 錫めっき
 - 錫めっき(1.0μm以上)
 - ニッケルめっき(1.0μm以上)
 - TIN(Sn) OVER NICKEL(Ni) PLATING.
 - TIN PLATING (1.0 MICROMETER MINIMUM)
 - NICKEL PLATING (1.0 MICROMETER MINIMUM)

3. テールと金具を併せた平坦度は 0.1ミリメートル以下(リフロー前)
TAILS AND NAILS COPLANARITY
TO BE 0.1 MAX. (BEFORE REFLOW)

- △₄ R0.3は、FPC導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

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2 PLACES		± 0.2		CHK'D: TRSUZUKI 2019/02/07											
1 PLACE		± 0.2		APPR: RTAKEUCHI 2019/02/08		DOCUMENT NUMBER									
0 PLACES		± 0.2		INITIAL REVISION:						5019511005-SD		DOC TYPE		DOC PART	
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				APPR: RTAKEUCHI 2019/02/01				PSD		000		B			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		501951		SEE CHART				4 OF 4	