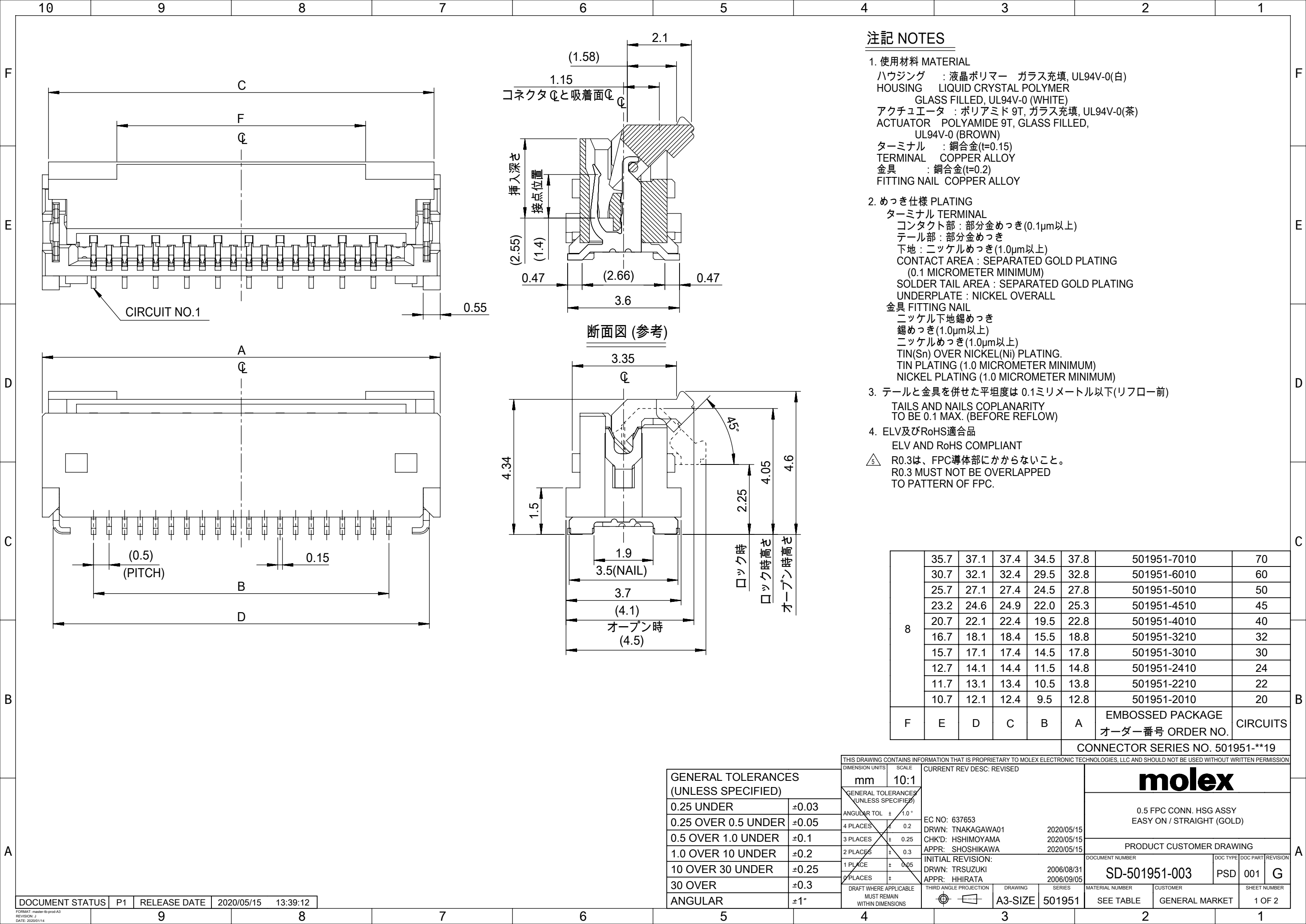




注記 NOTES

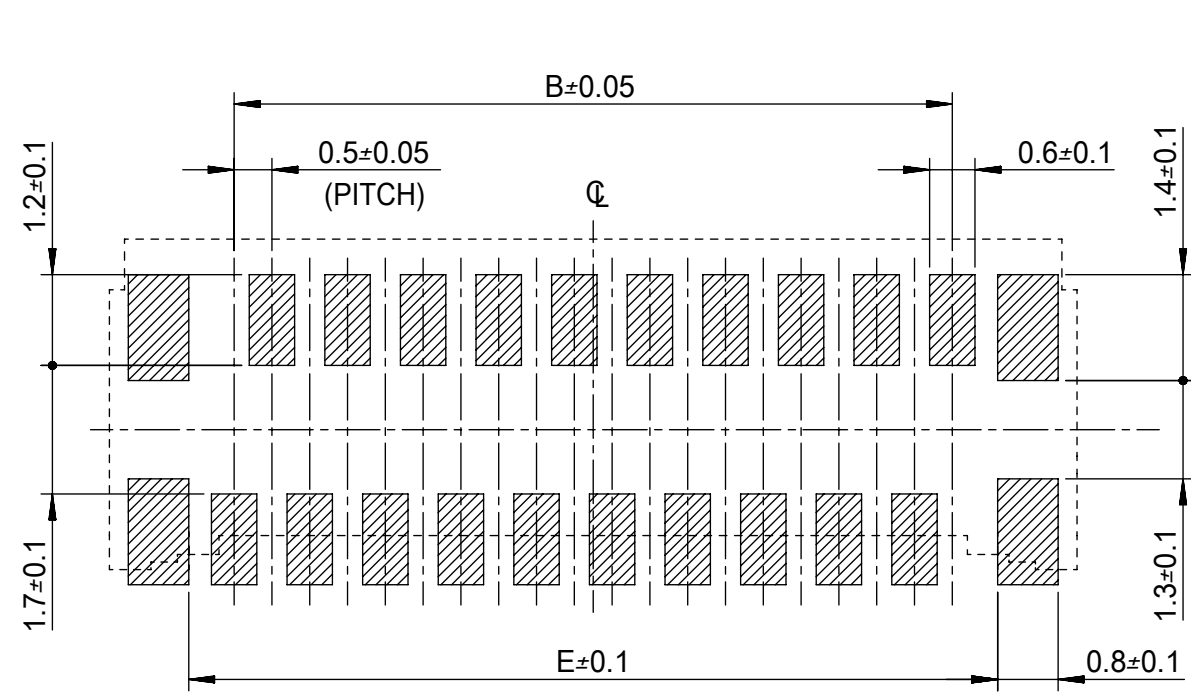
1. 使用材料 MATERIAL
ハウジング : 液晶ポリマー ガラス充填, UL94V-0(白)
HOUSING LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0 (WHITE)
アクチュエータ : ポリアミド 9T, ガラス充填, UL94V-0(茶)
ACTUATOR POLYAMIDE 9T, GLASS FILLED, UL94V-0 (BROWN)
ターミナル : 銅合金(t=0.15)
TERMINAL COPPER ALLOY
金具 : 銅合金(t=0.2)
FITTING NAIL COPPER ALLOY
2. めっき仕様 PLATING
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. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT
- △ 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.

8	35.7	37.1	37.4	34.5	37.8	501951-7010	70
	30.7	32.1	32.4	29.5	32.8	501951-6010	60
	25.7	27.1	27.4	24.5	27.8	501951-5010	50
	23.2	24.6	24.9	22.0	25.3	501951-4510	45
	20.7	22.1	22.4	19.5	22.8	501951-4010	40
	16.7	18.1	18.4	15.5	18.8	501951-3210	32
	15.7	17.1	17.4	14.5	17.8	501951-3010	30
	12.7	14.1	14.4	11.5	14.8	501951-2410	24
	11.7	13.1	13.4	10.5	13.8	501951-2210	22
	10.7	12.1	12.4	9.5	12.8	501951-2010	20
F	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	CIRCUITS

CONNECTOR SERIES NO. 501951-**19

GENERAL TOLERANCES (UNLESS SPECIFIED)		mm		10:1		CURRENT REV DESC. REVISED		molex			
0.25 UNDER	±0.03	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 °		EC NO: 637653 DRWN: TNAKAGAWA01 CHK'D: HSHIMOYAMA APPR: SHOSHIKAWA INITIAL REVISION: DRWN: TRSUZUKI APPR: HHIRATA		2020/05/15 2020/05/15 2020/05/15 2006/08/31 2006/09/05		0.5 FPC CONN. HSG ASSY EASY ON / STRAIGHT (GOLD)			
0.25 OVER 0.5 UNDER	±0.05							PRODUCT CUSTOMER DRAWING			
0.5 OVER 1.0 UNDER	±0.1										
1.0 OVER 10 UNDER	±0.2										
10 OVER 30 UNDER	±0.25										
30 OVER	±0.3										
ANGULAR	±1°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
						A3-SIZE	501951	SEE TABLE	GENERAL MARKET	1 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2020/05/15	13:39:12
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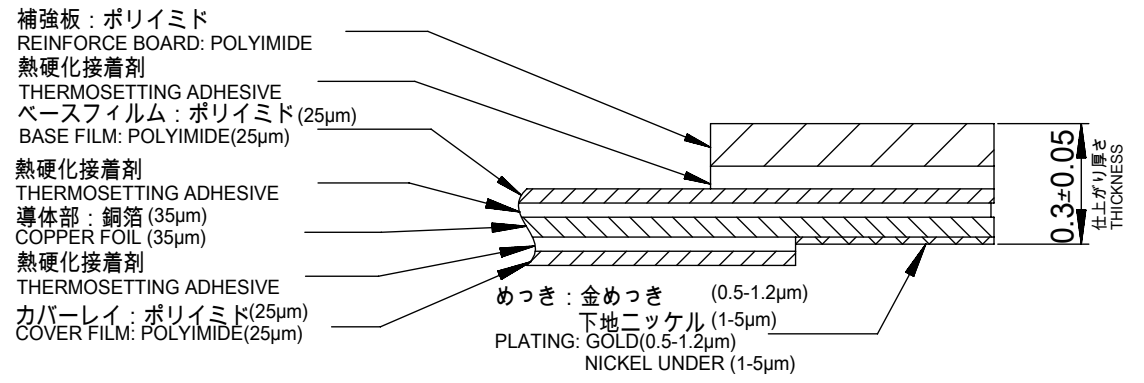


参考基板レイアウト (マウント面)
P.C.BOARD PATTERN DIMENSION(REF.)
(MOUNT AREA)

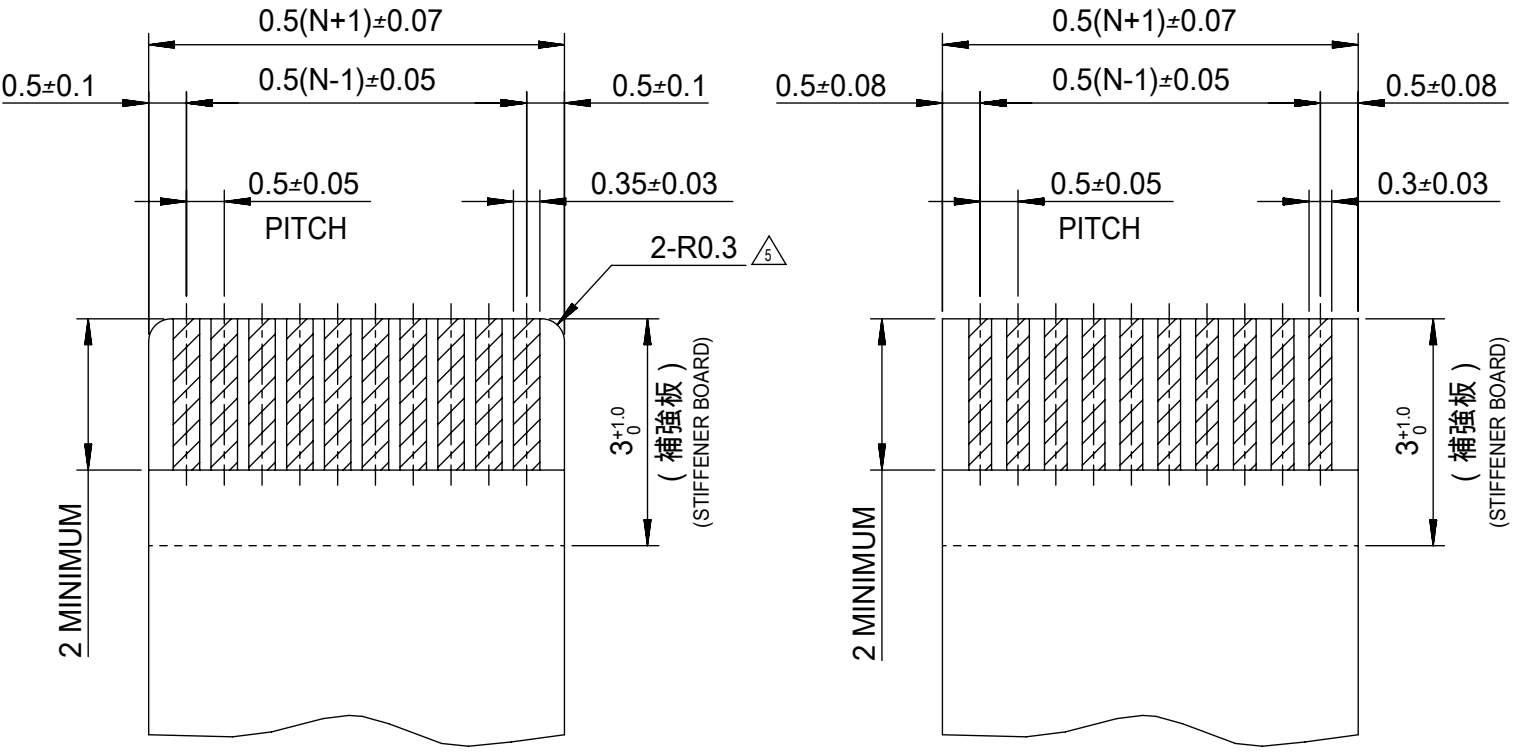
FPCについて ABOUT FPC

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.



FPC構成推奨仕様
STRUCTURE OF FPC



適合FPC推奨寸法
N: 極数
N:CIRCUITS
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.05)
(THICKNESS : 0.3±0.05)

適合FFC推奨寸法
N: 極数
N:CIRCUITS
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.05)
(THICKNESS : 0.3±0.05)

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.)

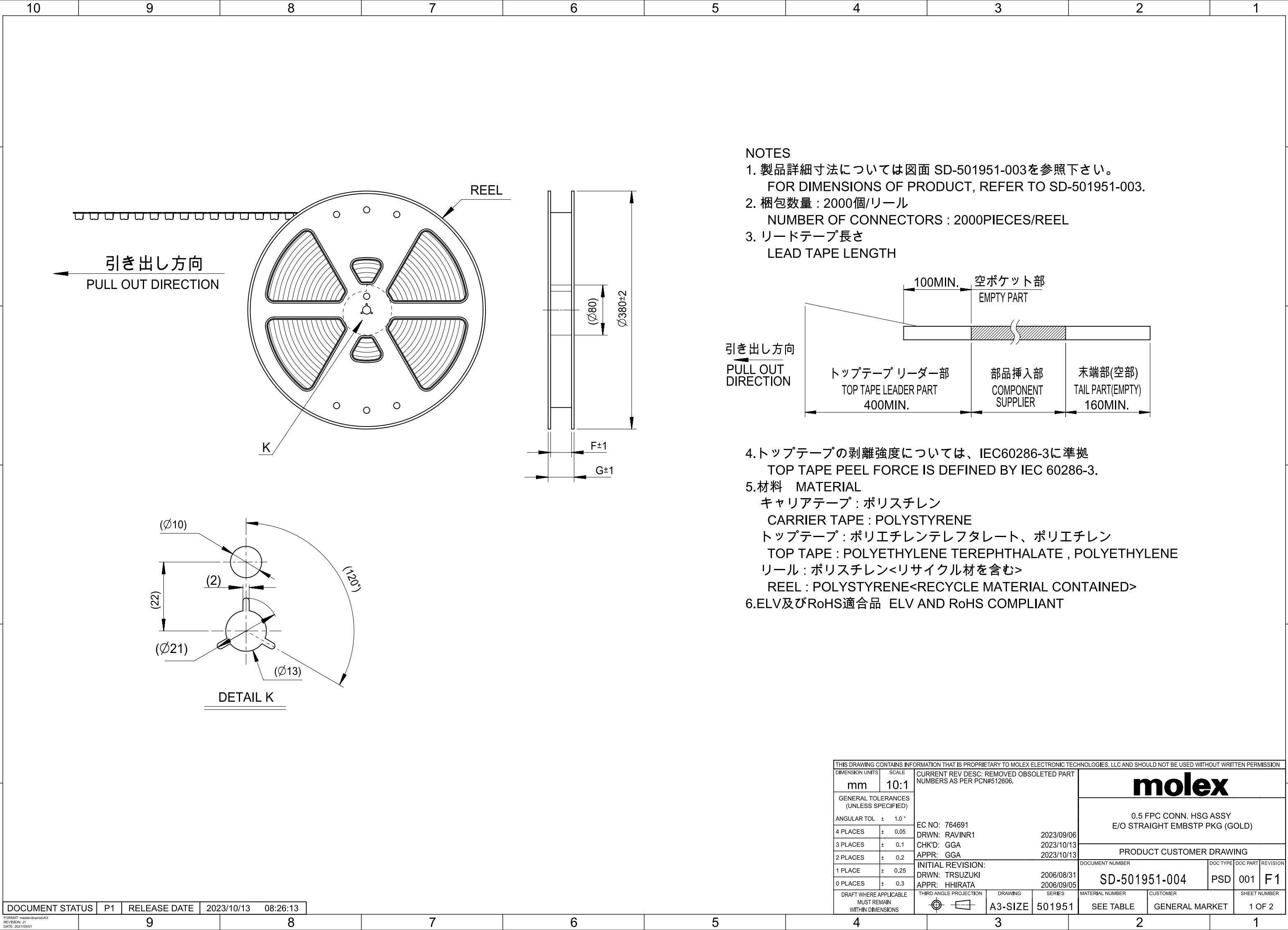
GENERAL TOLERANCES (UNLESS SPECIFIED)		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		DIMENSION UNITS	SCALE
		mm	10:1
0.25 UNDER		±0.03	
0.25 OVER 0.5 UNDER		±0.05	
0.5 OVER 1.0 UNDER		±0.1	
1.0 OVER 10 UNDER		±0.2	
10 OVER 30 UNDER		±0.25	
30 OVER		±0.3	
ANGULAR		±1°	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
		THIRD ANGLE PROJECTION	
		DRAWING	
		SERIES	
		MATERIAL NUMBER	
		CUSTOMER	
		SHEET NUMBER	
		A3-SIZE	
		501951	
		SEE SHEET 1	
		GENERAL MARKET	
		2 OF 2	

CURRENT REV DESC: REVISED			
EC NO: 637653			
DRWN: TNAKAGAWA01			
CHK'D: HSHIMOYAMA			
APPR: SHOSHIKAWA			
INITIAL REVISION:			
DRWN: TRSUZUKI			
APPR: HHIRATA			
2020/05/15			
2020/05/15			
2006/08/31			
2006/09/05			

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-501951-003		PSD	001	G

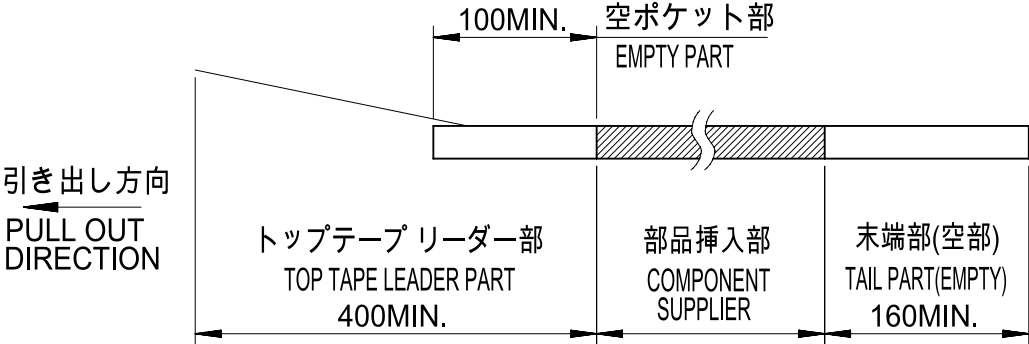
PRODUCT CUSTOMER DRAWING	
0.5 FPC CONN. HSG ASSY EASY ON / STRAIGHT (GOLD)	

molex	
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NOTES

1. 製品詳細寸法については図面 SD-501951-003を参照下さい。
FOR DIMENSIONS OF PRODUCT, REFER TO SD-501951-003.
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. 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 IEC 60286-3.
- 5.材料 MATERIAL
キャリアテープ：ポリスチレン
CARRIER TAPE：POLYSTYRENE
トップテープ：ポリエチレンテレフタレート、ポリエチレン
TOP 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>
- 6.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															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512606.				molex							
mm		10:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 1.0 °															
4 PLACES		± 0.05													
3 PLACES		± 0.1													
2 PLACES		± 0.2													
1 PLACE		± 0.25													
0 PLACES		± 0.3		EC NO: 764691 DRWN: RAVINR1 CHK'D: GGA APPR: GGA 2023/09/06 2023/10/13 2023/10/13				0.5 FPC CONN. HSG ASSY E/O STRAIGHT EMBSTP PKG (GOLD)							
INITIAL REVISION: DRWN: TRSUZUKI APPR: HHIRATA 2006/08/31 2006/09/05										PRODUCT CUSTOMER DRAWING					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A3-SIZE		501951		SD-501951-004		PSD		001		F1	
DOCUMENT STATUS		P1		RELEASE DATE		2023/10/13 08:26:13		SEE TABLE		GENERAL MARKET		SHEET NUMBER 1 OF 2			

