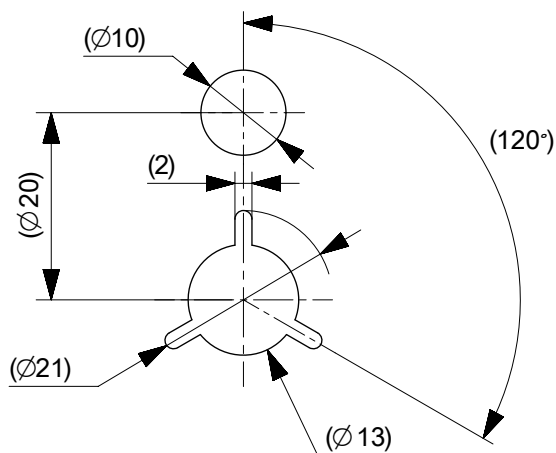
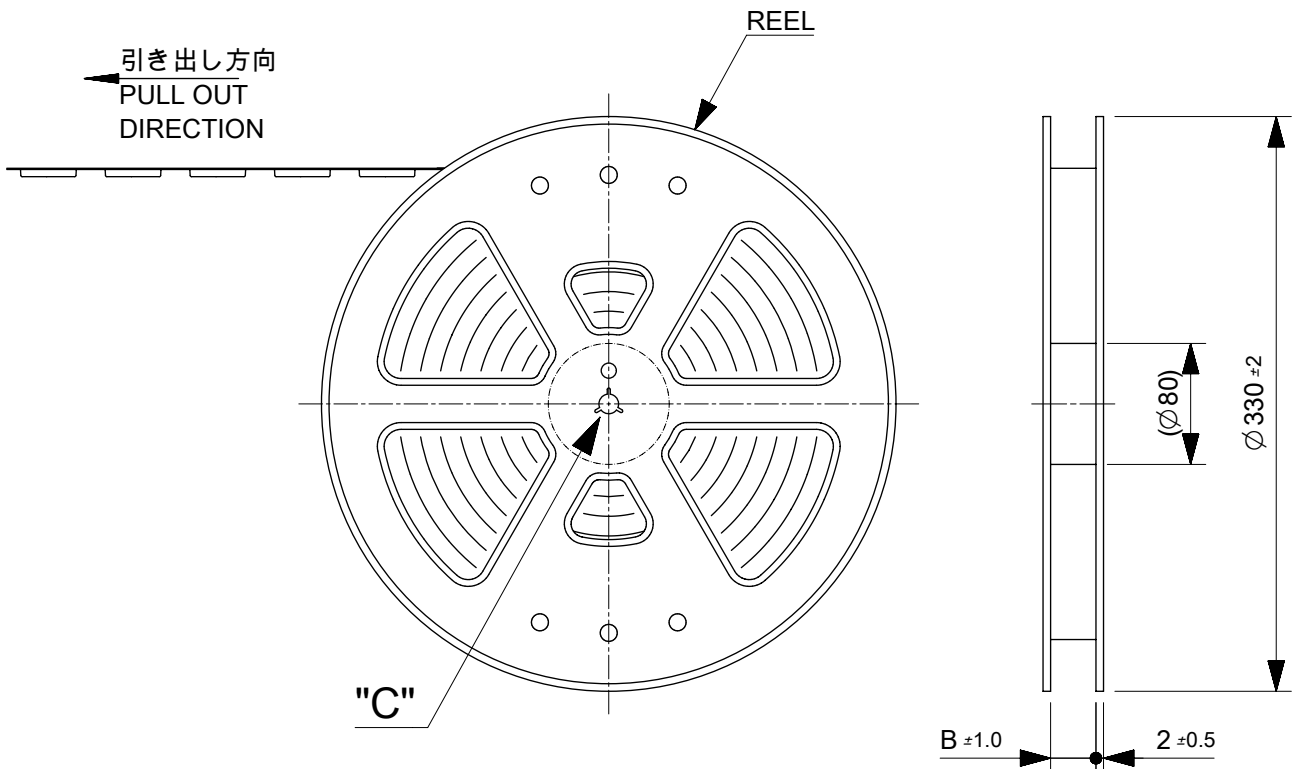
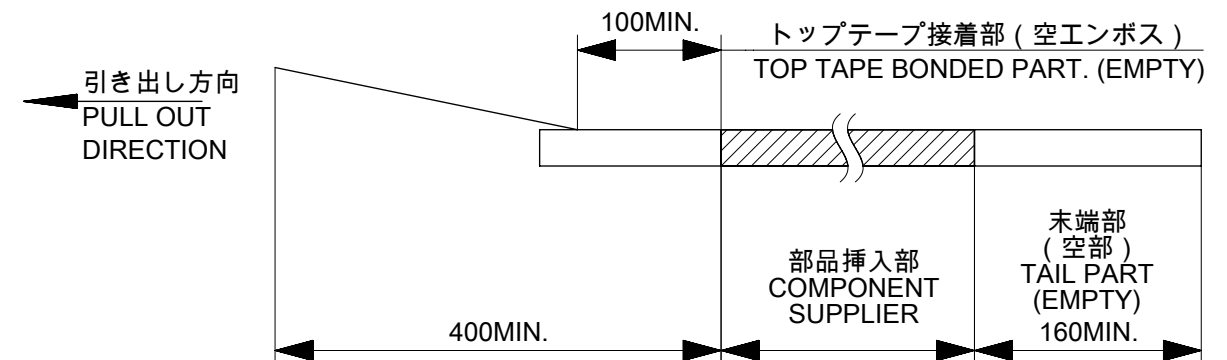




DETAIL C

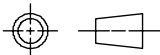
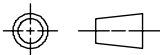
注記 NOTES

- 製品詳細寸法については図面 5020781000 (DOC. PART NO. : 000) を参照下さい。
RE DETAILED DIMENSION, SEE 5020781000 (DOC. PART NO. : 000)
- 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



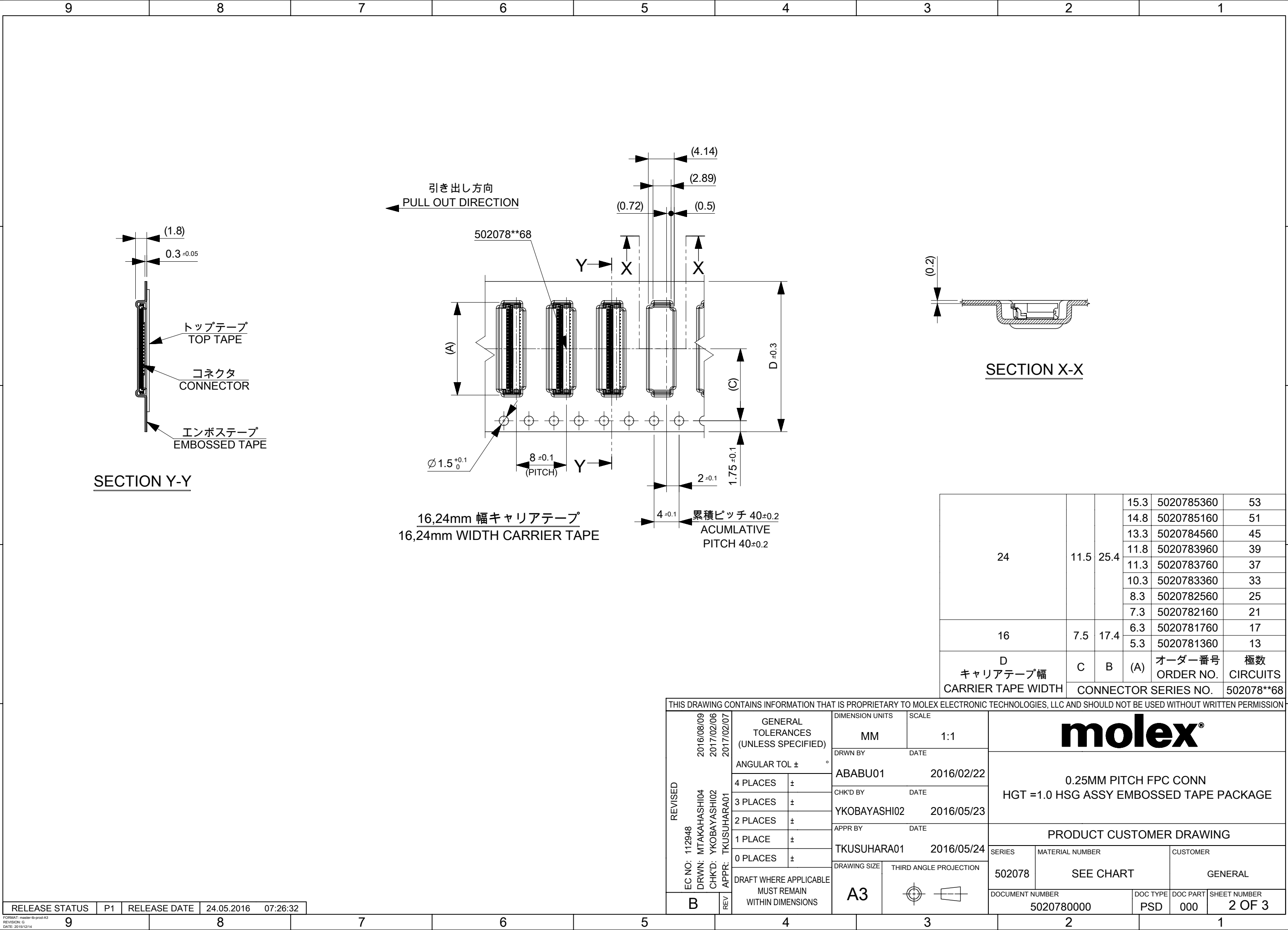
- 材料 MATERIAL
キャリアテープ (CARRIER TAPE) : ポリスチレン (POLYSTYRENE)
トップテープ (TOP TAPE) : PET , PE , PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- カバーテープの剥離強度については、IEC60286-3 に準拠
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

CONNECTOR SERIES NO. 502078**68

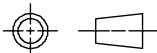
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
REVISED	EC NO: 112948 DRWN: MTAKAHASHI04 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2016/08/09 2017/02/06 2017/02/07	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex®							
					MM	1:1								
			ANGULAR TOL ± °		DRWN BY		DATE		0.25MM PITCH FPC CONN HGT =1.0 HSG ASSY EMBOSSED TAPE PACKAGE					
					ABABU01		2016/02/22							
			4 PLACES ±		CHK'D BY		DATE							
					YKOBAYASHI02		2016/05/23							
			3 PLACES ±		APPR BY		DATE							
	TKUSUHARA01				2016/05/24									
	2 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER			
	1 PLACE ±		A3				502078		SEE CHART		GENERAL			
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
5020780000						PSD		000		1 OF 3				
B						REV								

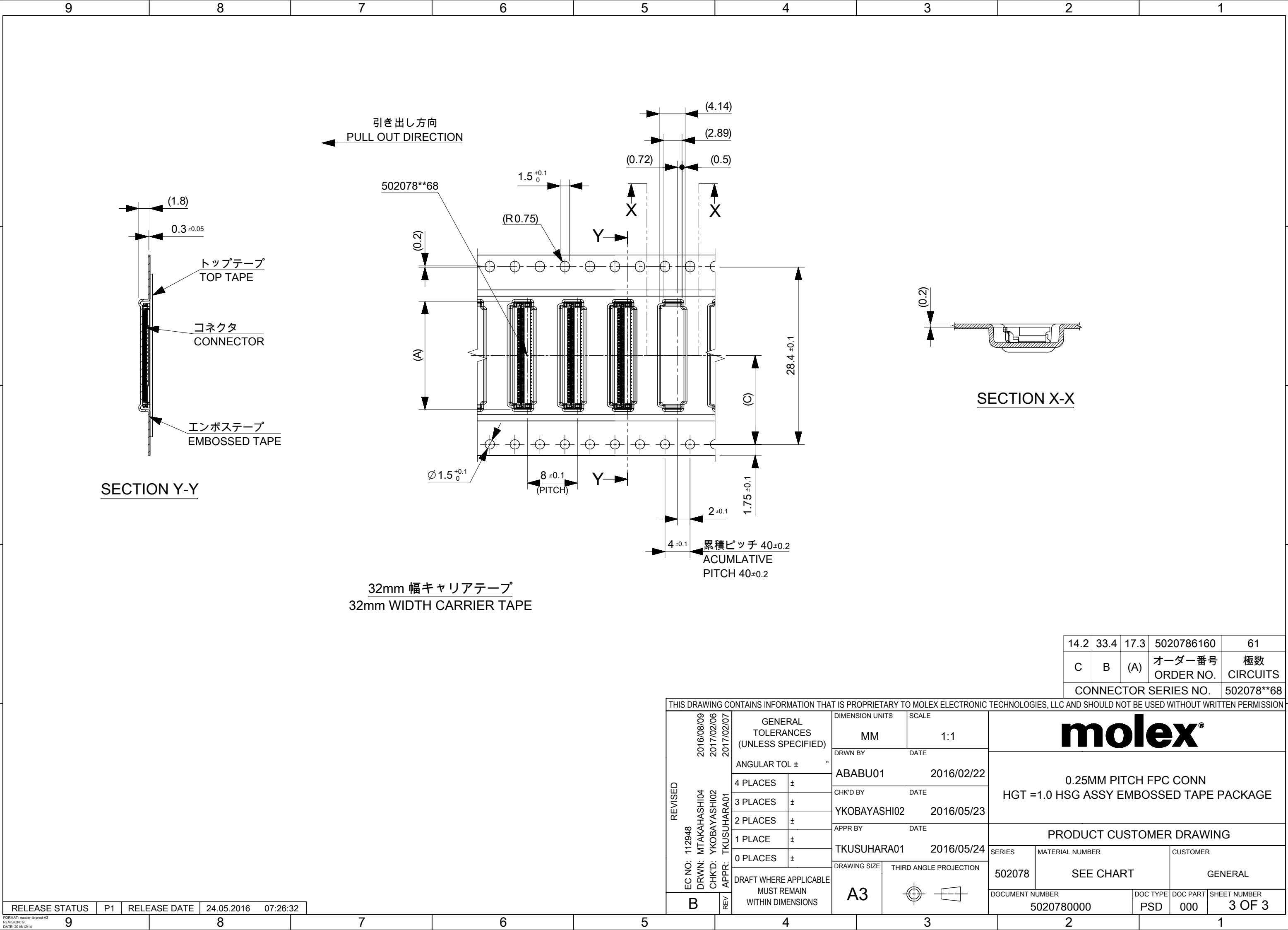
RELEASE STATUS P1 RELEASE DATE 24.05.2016 07:26:32

FORMAT: master-B-prod-A3
REVISION: G
DATE: 2015/12/14

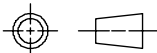


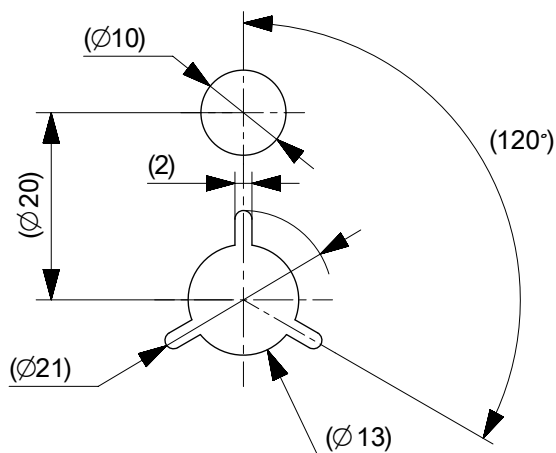
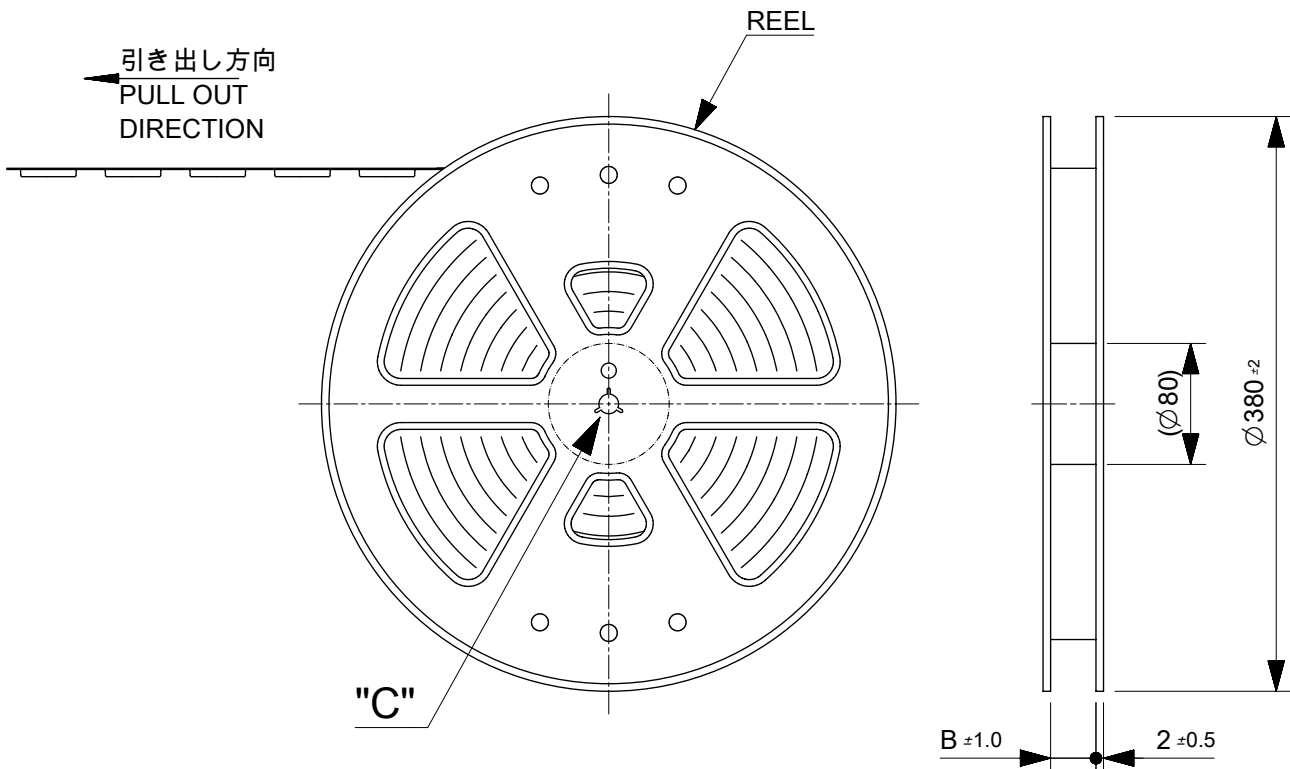
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISED	EC NO: 112948 DRWN: MTAKAHASHI04 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2016/08/09 2017/02/06 2017/02/07	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex®						
			ANGULAR TOL ± °		MM	1:1							
			4 PLACES ±		DRWN BY	DATE							
			3 PLACES ±		ABABU01		2016/02/22		0.25MM PITCH FPC CONN HGT =1.0 HSG ASSY EMBOSSED TAPE PACKAGE				
			2 PLACES ±		CHK'D BY		DATE						
			1 PLACE ±		YKOBAYASHI02		2016/05/23						
			0 PLACES ±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING				
			TKUSUHARA01		2016/05/24								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES					
			B	REV	5			A3			502078	SEE CHART	
							DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
						5020780000		PSD	000	2 OF 3			



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

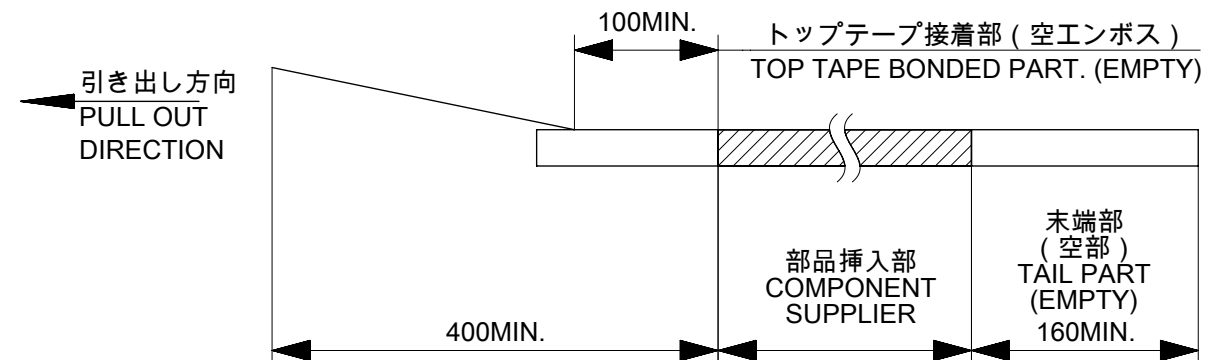
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		2017/02/06		MM	1:1											
		2017/02/07		ANGULAR TOL ± °		DRWN BY		DATE		0.25MM PITCH FPC CONN HGT =1.0 HSG ASSY EMBOSSED TAPE PACKAGE						
		4 PLACES ±		ABABU01		2016/02/22										
		3 PLACES ±		CHK'D BY		DATE										
		2 PLACES ±		YKOBAYASHI02		2016/05/23		PRODUCT CUSTOMER DRAWING								
		1 PLACE ±		APPR BY		DATE										
		0 PLACES ±		TKUSUHARA01		2016/05/24										
		B		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
							A3				502078		SEE CHART		GENERAL	
									DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
									5020780000		PSD		000		3 OF 3	



DETAIL C

注記 NOTES

- 製品詳細寸法については製品単体図面を参照下さい。
DETAIL DIMENSION, SEE PRODUCT DRAWING
- 梱包数量 : 6000 個 / リール
NUMBER OF CONNECTORS : 6000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- カバーテープの剥離強度については、IEC60286-3 に準拠
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

CONNECTOR SERIES NO. 502078**68

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
RELEASED	EC NO: 112453 DRWN: RYANAIDANI CHK'D: KTAKAHASHI APPR: MSASAO	2016/11/24 2017/01/27 2017/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±		DIMENSION UNITS		SCALE		molex®											
					MM		1:1													
					DRWN BY				DATE				0.25MM PITCH FPC CONN HGT =1.0 HSG ASSY EMBOSSED TAPE PACKAGE							
					RYANAIDANI				2016/11/24											
					CHK'D BY				DATE				PRODUCT CUSTOMER DRAWING							
					KTAKAHASHI				2017/01/27											
					APPR BY				DATE				SERIES				MATERIAL NUMBER		CUSTOMER	
					MSASAO				2017/01/27											
					DRAWING SIZE				THIRD ANGLE PROJECTION				502078		SEE CHART		GENERAL			
					A3															
A	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																		

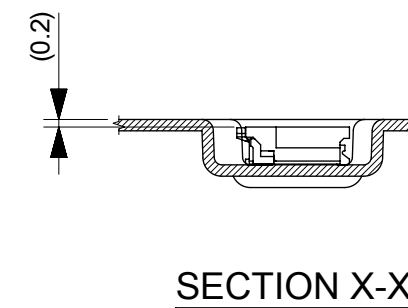
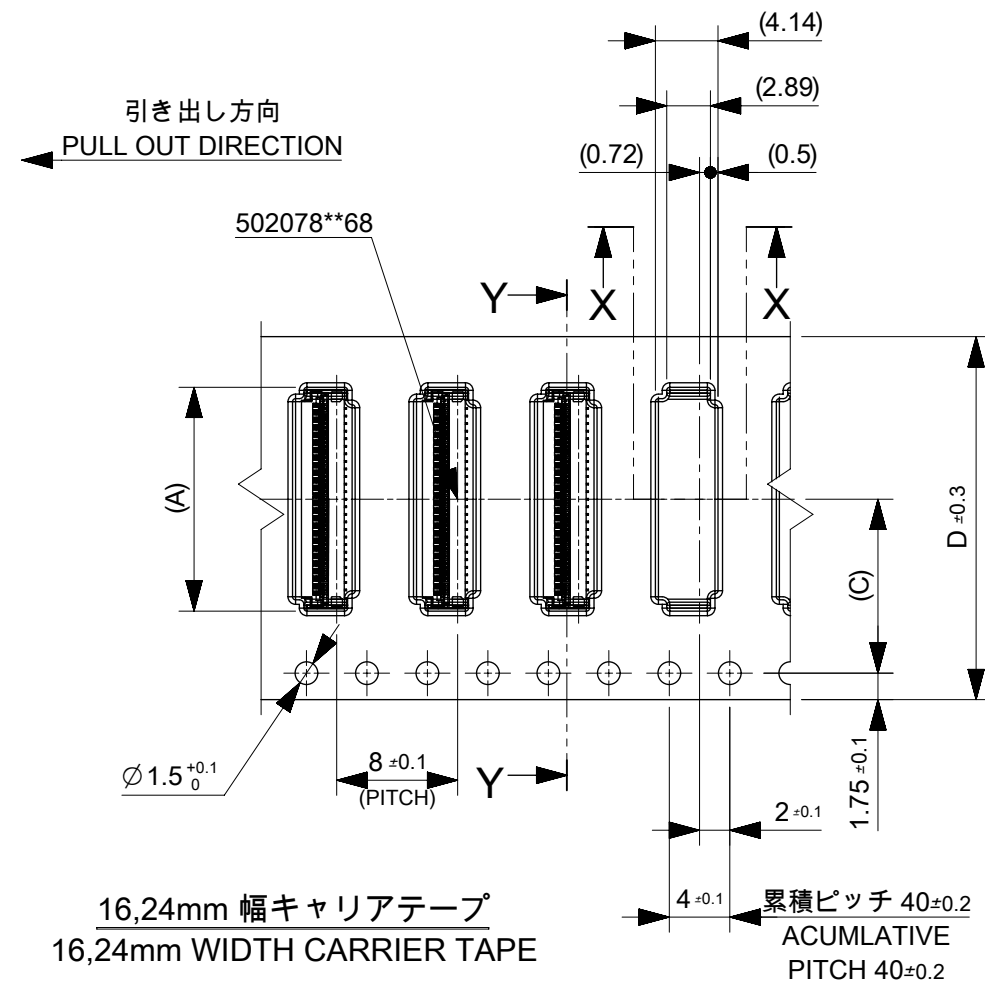
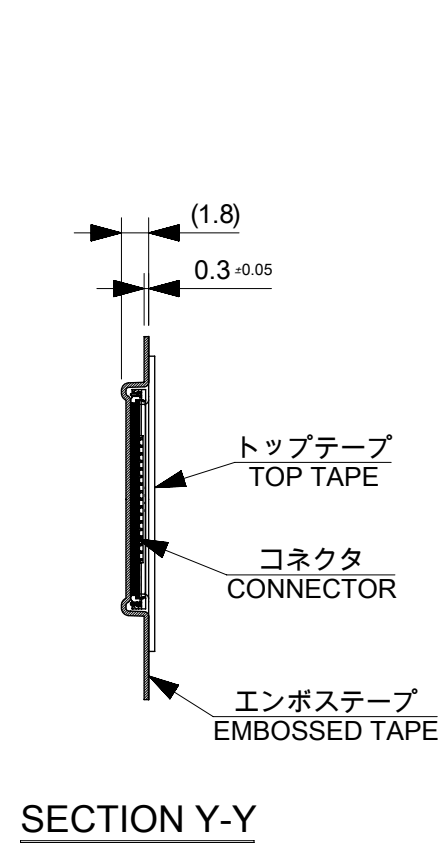
E

D

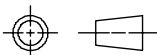
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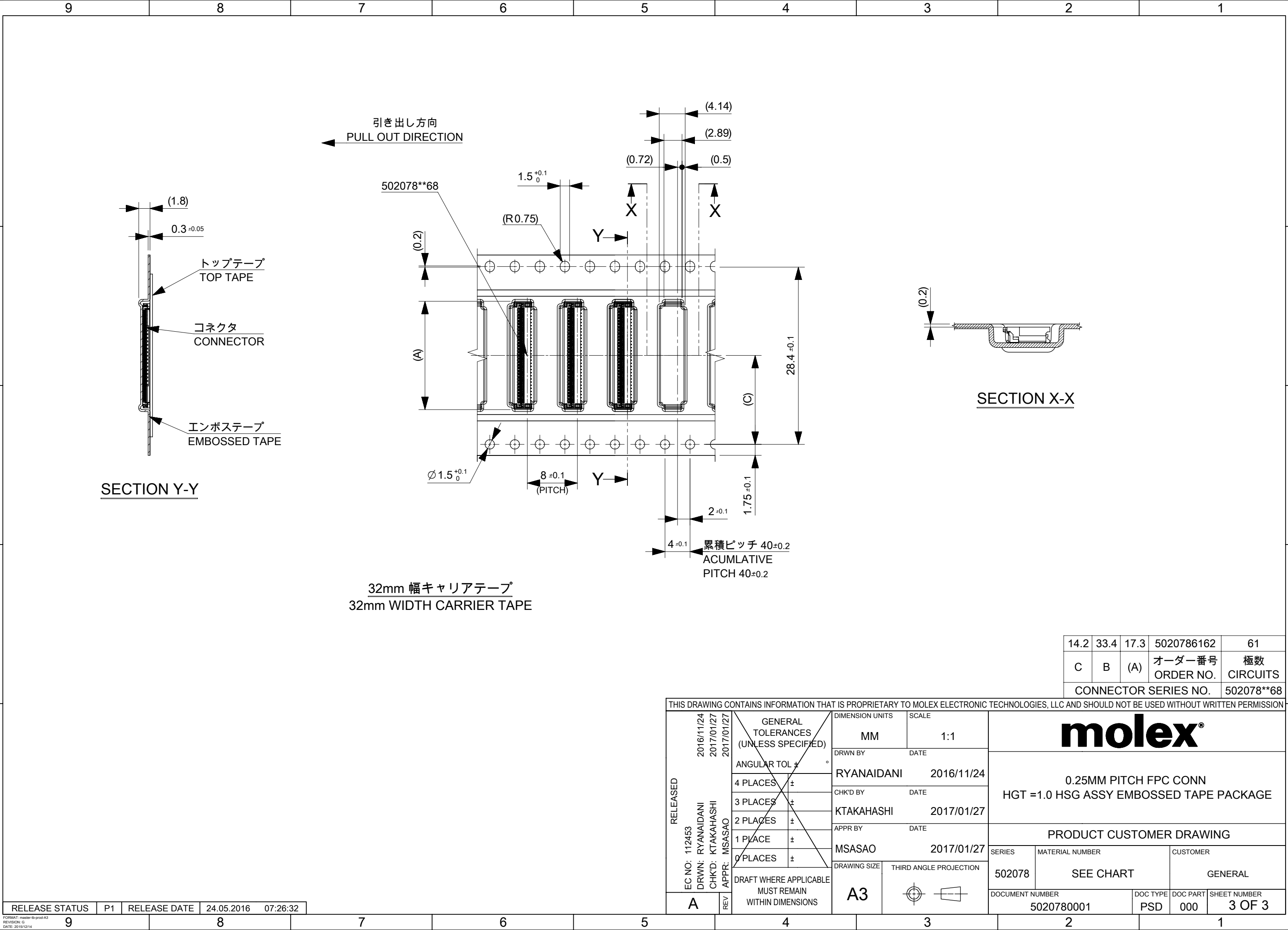
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A

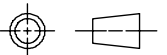


24	11.5	25.4	15.3	5020785362	53
			14.8	5020785162	51
			13.3	5020784562	45
			11.8	5020783962	39
			11.3	5020783762	37
			10.3	5020783362	33
			8.3	5020782562	25
			7.3	5020782162	21
16	7.5	17.4	6.3	5020781762	17
			5.3	5020781362	13
D キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	オーダー番号 ORDER NO.	極数 CIRCUITS
CONNECTOR SERIES NO.				502078**68	

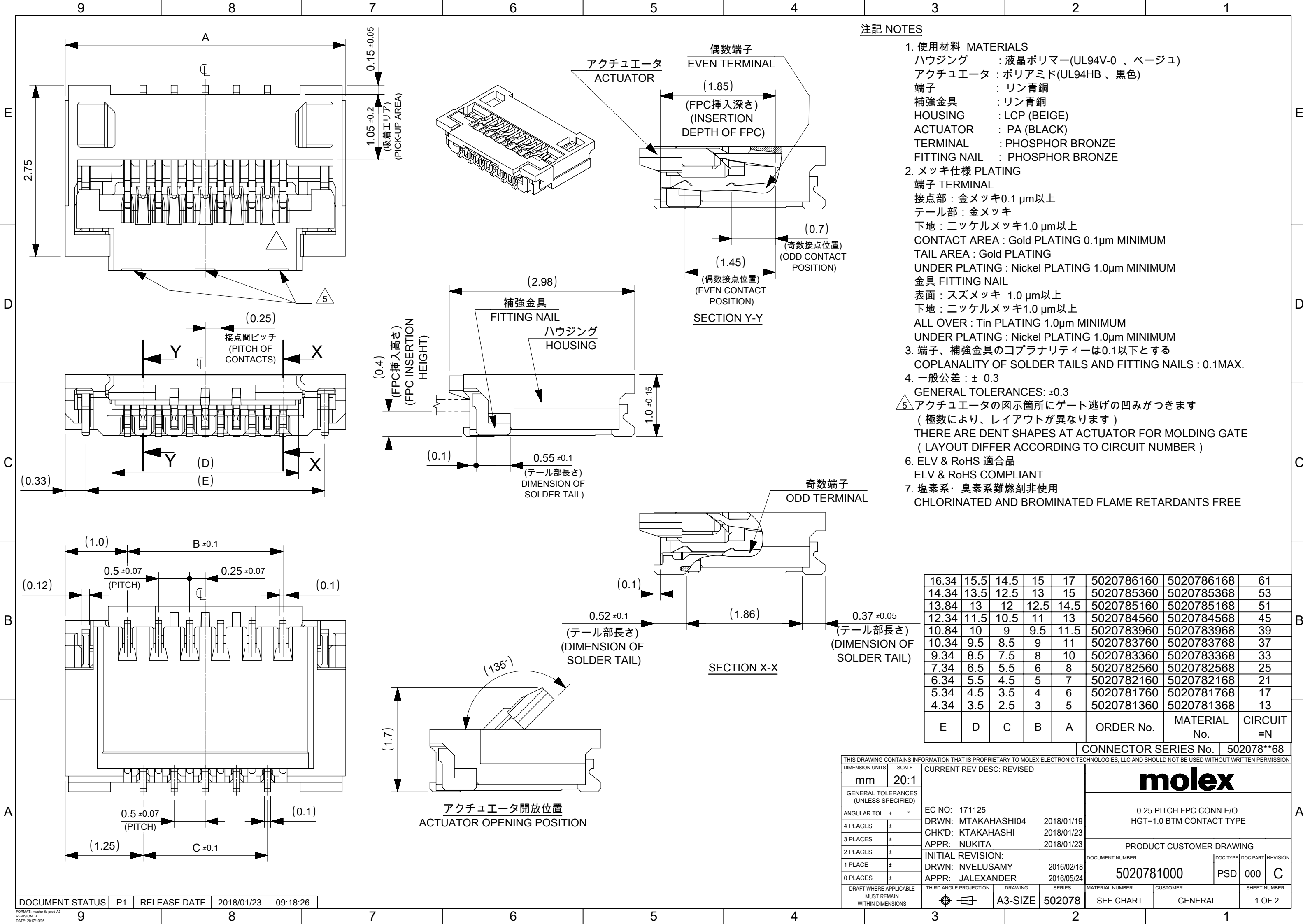
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
RELEASED EC NO: 112453 DRWN: RYANAIDANI CHK'D: KTAKAHASHI APPR: MSASAO	2016/11/24	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS		SCALE		molex® 0.25MM PITCH FPC CONN HGT =1.0 HSG ASSY EMBOSSED TAPE PACKAGE				
	2017/01/27		MM		1:1						
	2017/01/27		DRWN BY		DATE						
			RYANAIDANI		2016/11/24						
			CHK'D BY		DATE						
			KTAKAHASHI		2017/01/27						
			APPR BY		DATE						
	MSASAO		2017/01/27		PRODUCT CUSTOMER DRAWING						
		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
		A3				502078	SEE CHART		GENERAL		
A	REV					DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	
						5020780001		PSD	000	2 OF 3	

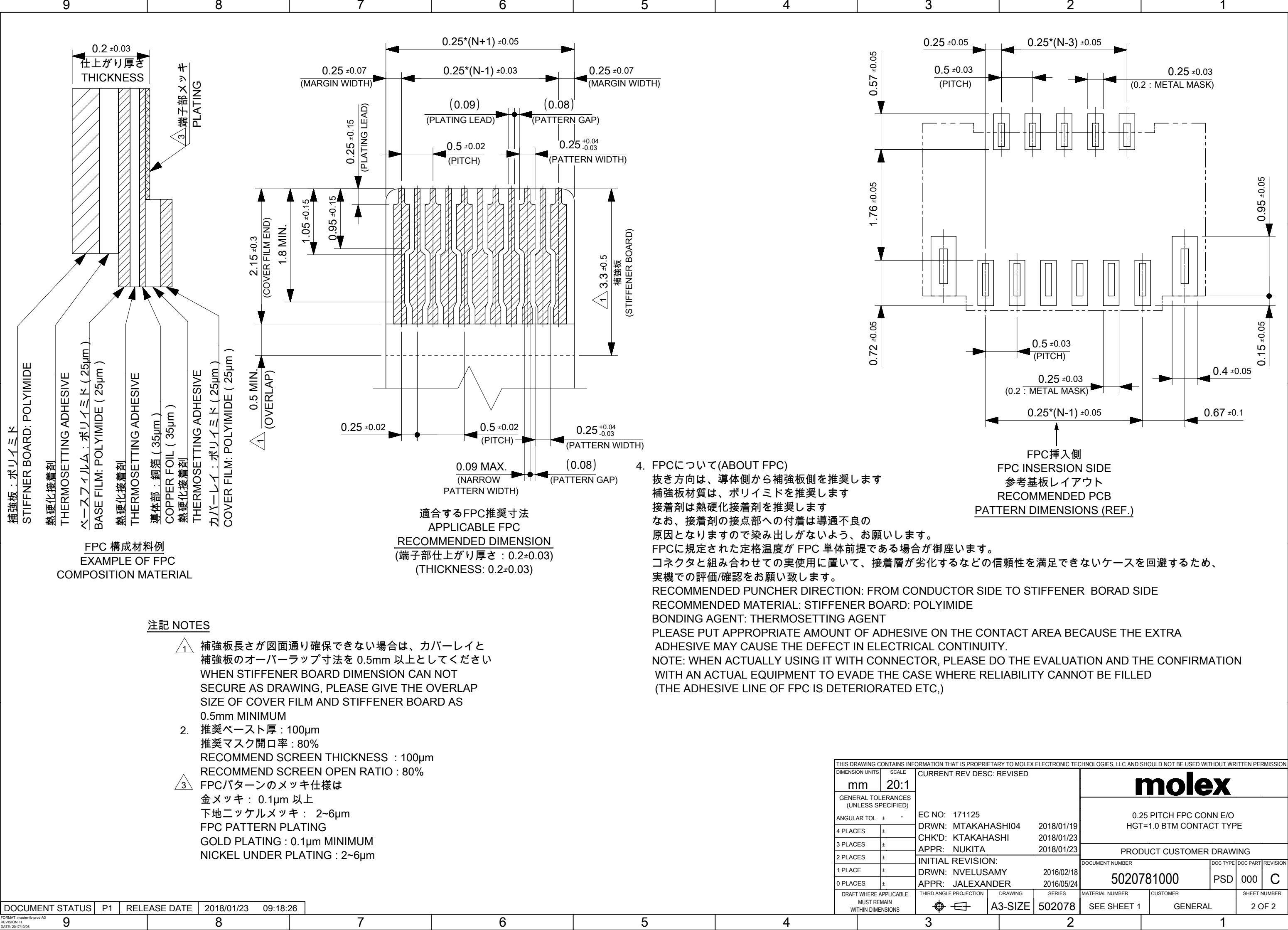


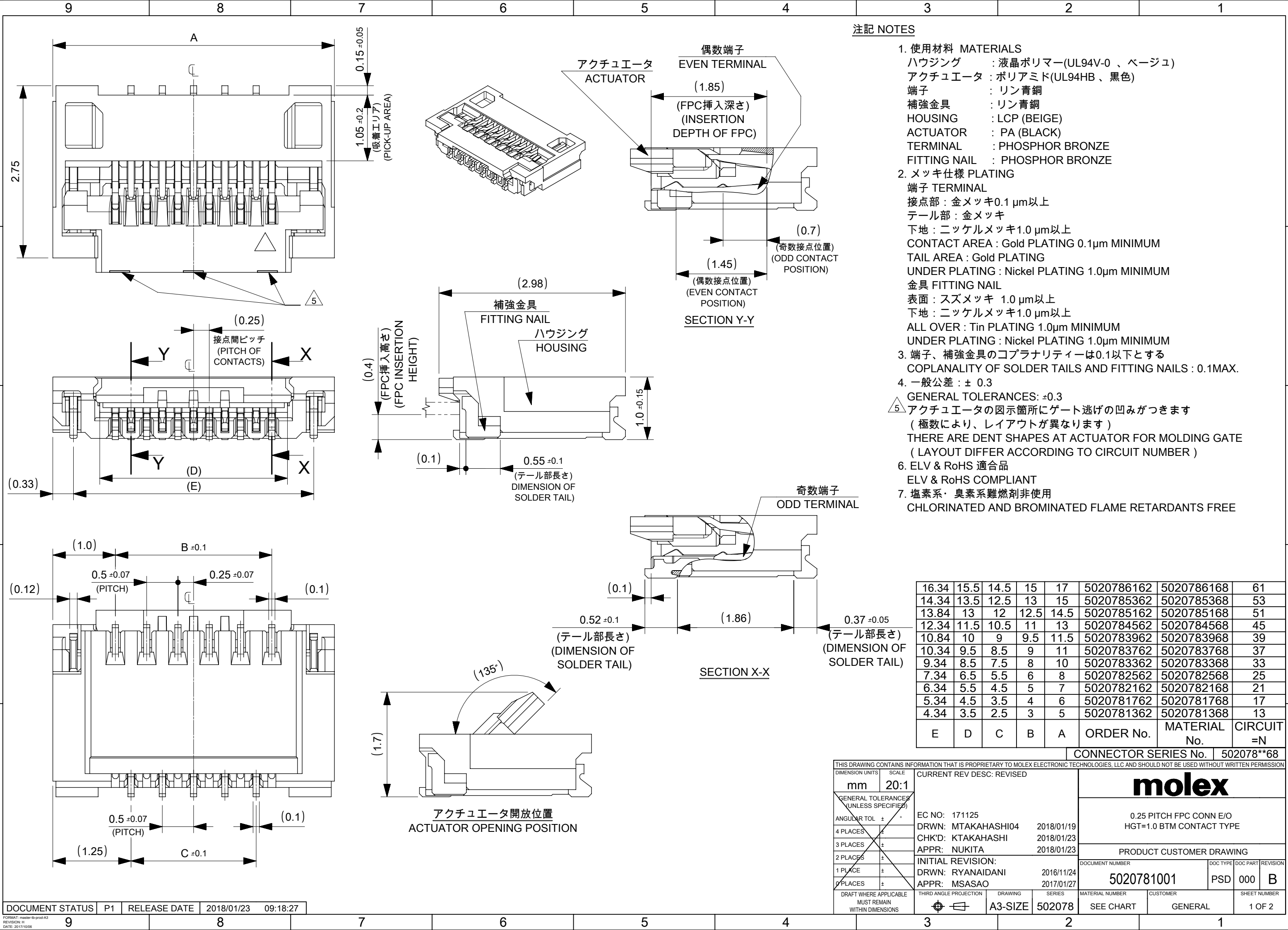
14.2	33.4	17.3	5020786162	61
C	B	(A)	オーダー番号 ORDER NO.	極数 CIRCUITS
CONNECTOR SERIES NO.				502078**68

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
RELEASED	EC NO: 112453 DRWN: RYANAIDANI CHK'D: KTAKAHASHI APPR: MSASAO	2016/11/24 2017/01/27 2017/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±		DIMENSION UNITS		SCALE		molex[®]					
					MM		1:1							
					DRWN BY		DATE		0.25MM PITCH FPC CONN HGT =1.0 HSG ASSY EMBOSSED TAPE PACKAGE					
					RYANAIDANI		2016/11/24							
					CHK'D BY		DATE							
					KTAKAHASHI		2017/01/27							
					APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
					MSASAO		2017/01/27							
					DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
					A3				502078		SEE CHART		GENERAL	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER				
				5020780001		PSD		000		3 OF 3				
A	REV													

RELEASE STATUS	P1	RELEASE DATE	24.05.2016	07:26:32
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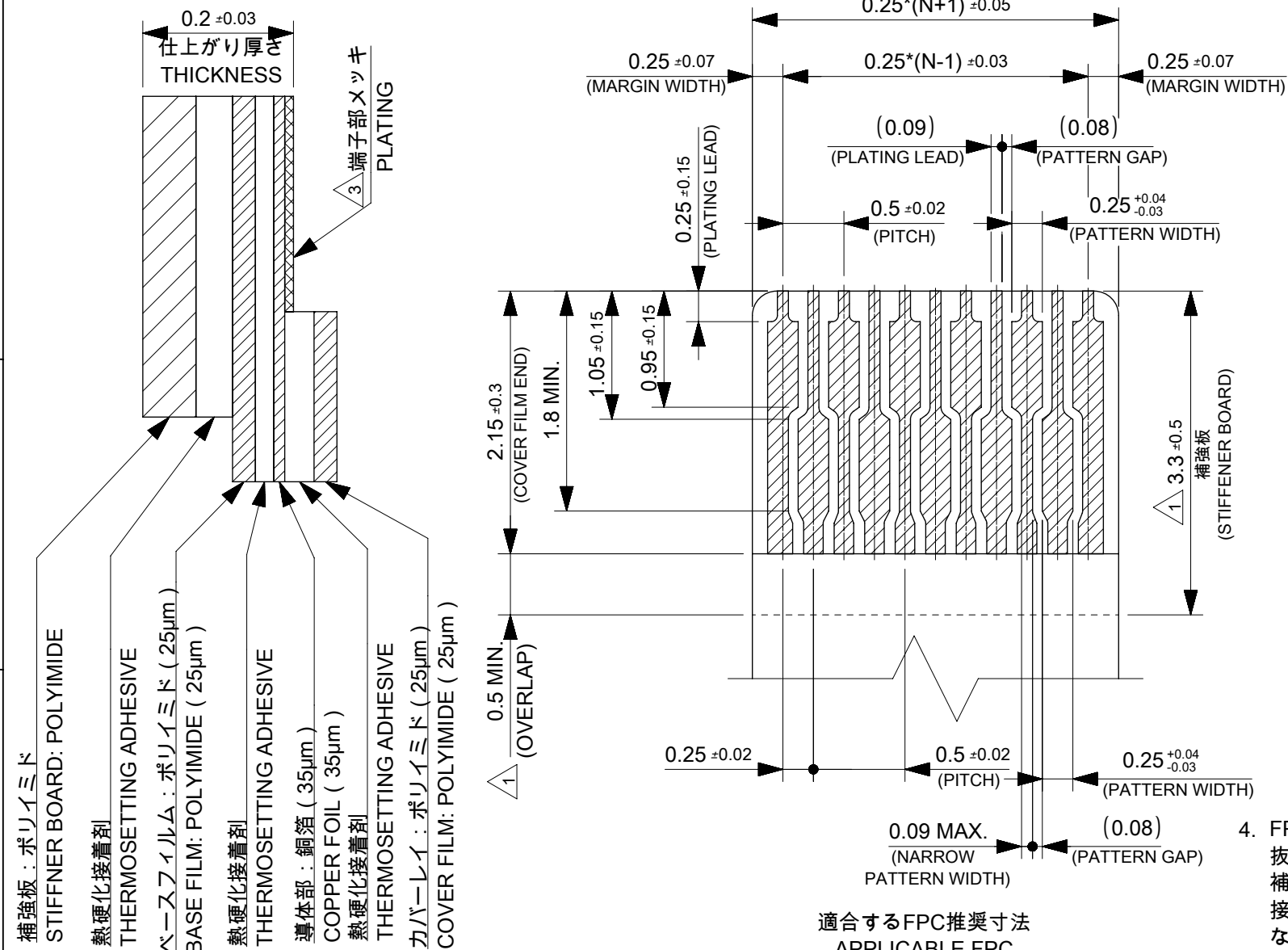
注記 NOTES

1. 使用材料 MATERIALS
ハウジング : 液晶ポリマー(UL94V-0 、ベージュ)
アクチュエータ : ポリアミド(UL94HB 、黒色)
端子 : リン青銅
補強金具 : リン青銅
HOUSING : LCP (BEIGE)
ACTUATOR : PA (BLACK)
TERMINAL : PHOSPHOR BRONZE
FITTING NAIL : PHOSPHOR BRONZE
2. メッキ仕様 PLATING
端子 TERMINAL
接点部 : 金メッキ0.1 μm以上
テール部 : 金メッキ
下地 : ニッケルメッキ1.0 μm以上
CONTACT AREA : Gold PLATING 0.1μm MINIMUM
TAIL AREA : Gold PLATING
UNDER PLATING : Nickel PLATING 1.0μm MINIMUM
金具 FITTING NAIL
表面 : スズメッキ 1.0 μm以上
下地 : ニッケルメッキ1.0 μm以上
ALL OVER : Tin PLATING 1.0μm MINIMUM
UNDER PLATING : Nickel PLATING 1.0μm MINIMUM
3. 端子、補強金具のコプラナリティーは0.1以下とする
COPLANALITY OF SOLDER TAILS AND FITTING NAILS : 0.1MAX.
4. 一般公差 : ± 0.3
GENERAL TOLERANCES: ±0.3
5. アクチュエータの図示箇所にゲート逃げの凹みがつきます
(極数により、レイアウトが異なります)
THERE ARE DENT SHAPES AT ACTUATOR FOR MOLDING GATE
(LAYOUT DIFFER ACCORDING TO CIRCUIT NUMBER)
6. ELV & RoHS 適合品
ELV & RoHS COMPLIANT
7. 塩素系・臭素系難燃剤非使用
CHLORINATED AND BROMINATED FLAME RETARDANTS FREE

16.34	15.5	14.5	15	17	5020786162	5020786168	61
14.34	13.5	12.5	13	15	5020785362	5020785368	53
13.84	13	12	12.5	14.5	5020785162	5020785168	51
12.34	11.5	10.5	11	13	5020784562	5020784568	45
10.84	10	9	9.5	11.5	5020783962	5020783968	39
10.34	9.5	8.5	9	11	5020783762	5020783768	37
9.34	8.5	7.5	8	10	5020783362	5020783368	33
7.34	6.5	5.5	6	8	5020782562	5020782568	25
6.34	5.5	4.5	5	7	5020782162	5020782168	21
5.34	4.5	3.5	4	6	5020781762	5020781768	17
4.34	3.5	2.5	3	5	5020781362	5020781368	13
E	D	C	B	A	ORDER No.	MATERIAL No.	CIRCUIT =N

CONNECTOR SERIES No. 502078**68

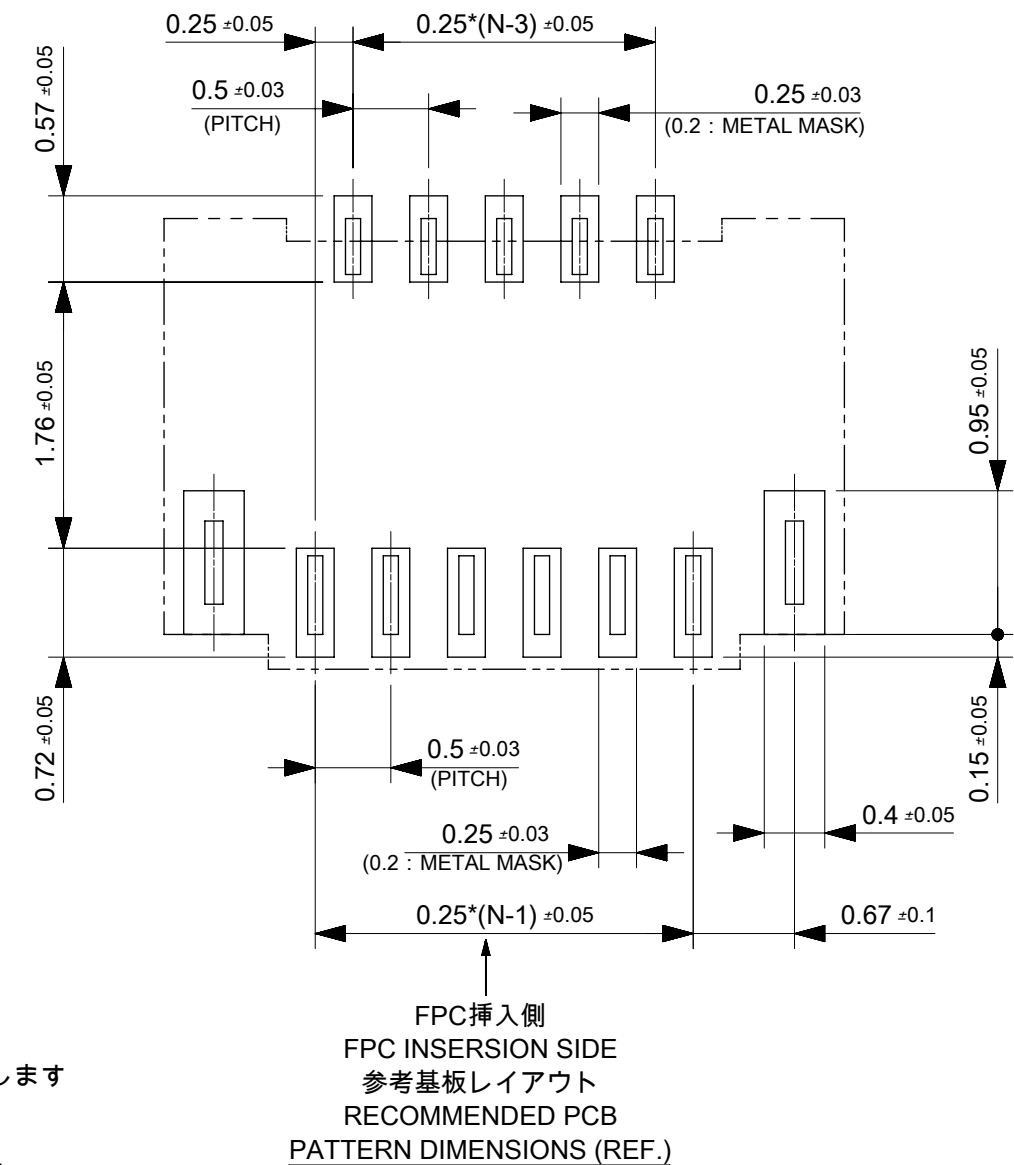
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED				molex									
mm		20:1															
GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±				EC NO: 171125				0.25 PITCH FPC CONN E/O HGT=1.0 BTM CONTACT TYPE									
				DRWN: MTAKAHASHI04 2018/01/19													
				CHK'D: KTAKAHASHI 2018/01/23													
				APPR: NUKITA 2018/01/23				PRODUCT CUSTOMER DRAWING									
				INITIAL REVISION:				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
				DRWN: RYANAIDANI 2016/11/24				5020781001				PSD		000		B	
APPR: MSASAO 2017/01/27																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
						A3-SIZE		502078		SEE CHART		GENERAL		1 OF 2			



FPC 構成材料例
EXAMPLE OF FPC
COMPOSITION MATERIAL

注記 NOTES

1. 補強板長さが図面通りに確保できない場合は、カバレイと補強板のオーバーラップ寸法を 0.5mm 以上とください
WHEN STIFFENER BOARD DIMENSION CAN NOT SECURE AS DRAWING, PLEASE GIVE THE OVERLAP SIZE OF COVER FILM AND STIFFENER BOARD AS 0.5mm MINIMUM
2. 推奨ペースト厚 : 100 μ m
推奨マスク開口率 : 80%
RECOMMEND SCREEN THICKNESS : 100 μ m
RECOMMEND SCREEN OPEN RATIO : 80%
3. FPCパターンのメッキ仕様は
金メッキ : 0.1 μ m 以上
下地ニッケルメッキ : 2~6 μ m
FPC PATTERN PLATING
GOLD PLATING : 0.1 μ m MINIMUM
NICKEL UNDER PLATING : 2~6 μ m



4. FPCについて(ABOUT FPC)

抜き方向は、導体側から補強板側を推奨します

補強板材質は、ポリイミドを推奨します

接着剤は熱硬化接着剤を推奨します

なお、接着剤の接点部への付着は導通不良の

原因となりますので染み出しがないよう、お

FPCに規定された定格温度が FPC 単体前提である場合が、

コネクタと組み合わせての実使用に置いて、接着層が劣化するなどの付

実機での評価/確認をお願い致します。

RECOMMENDED PUNCHER DIRECT

RECOMMENDED MATERIAL: STIFFENER BOARD: POLYIMIDE

BONDING AGENT: THERMOSETTING AGENT

PLEASE PUT APPROPRIATE AMOUNT OF AD

PLEASE DO NOT APPLY ANY AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXCESS ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY.

NOTE: WHEN ACTUALLY USING IT WITH CONNECTOR, PLEASE DO

WITH AN ACTUAL EQUIPMENT TO EVADE THE CASE WHERE RELIABILITY CANNOT BE FILLED

(THE ADHESIVE LINE OF FPC IS DETERIORATED ETC.)

(THE FINEST LINE OF A GOOD SERVANT WILL BE A)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED				molex					
mm		20:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 171125		0.25 PITCH FPC CONN E/O HGT=1.0 BTM CONTACT TYPE							
				DRWN: MTAKAHASHI04						2018/01/19			
				CHK'D: KTAKAHASHI						2018/01/23			
				3 PLACES		±		PRODUCT CUSTOMER DRAWING					
				2 PLACES		±							
				1 PLACE		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION		
				DRWN: RYANAI DANI		2016/11/24		5020781001		PSD		000	B
THIRD ANGLE PROJECTION 				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		502078		SEE SHEET 1		GENERAL		2 OF 2	
4 PLACES		±		APPR: NUKITA		2018/01/23							
0 PLACES		±		APPR: MSASAO		2017/01/27							