

F

F

E

E

D

D

C

C

B

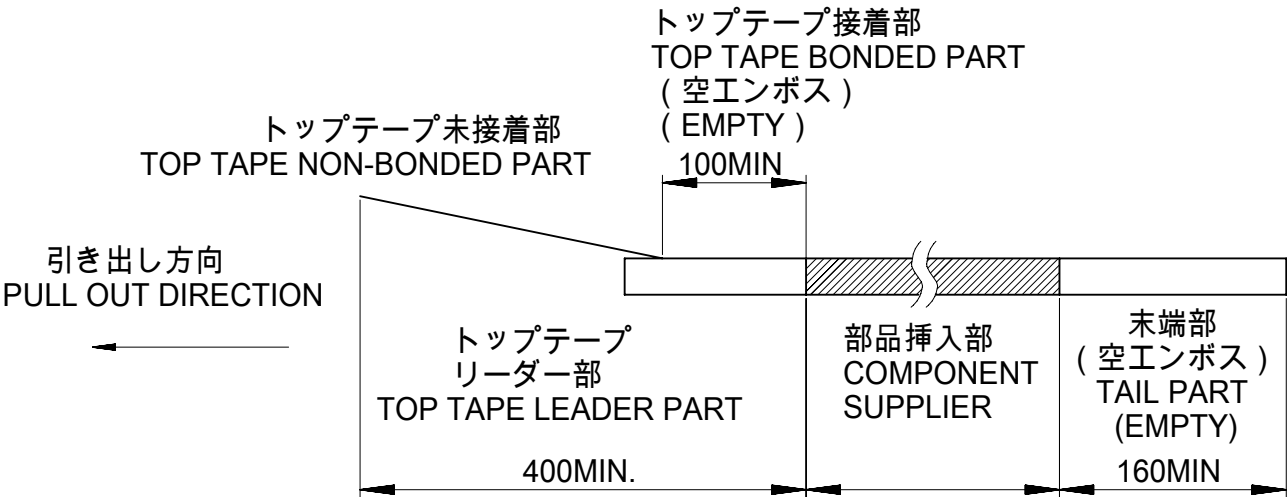
B

A

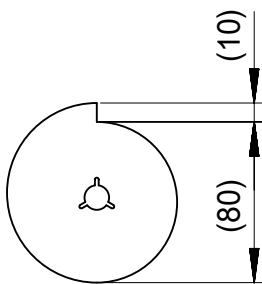
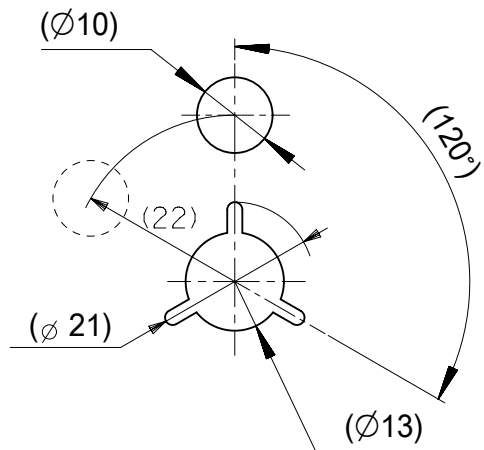
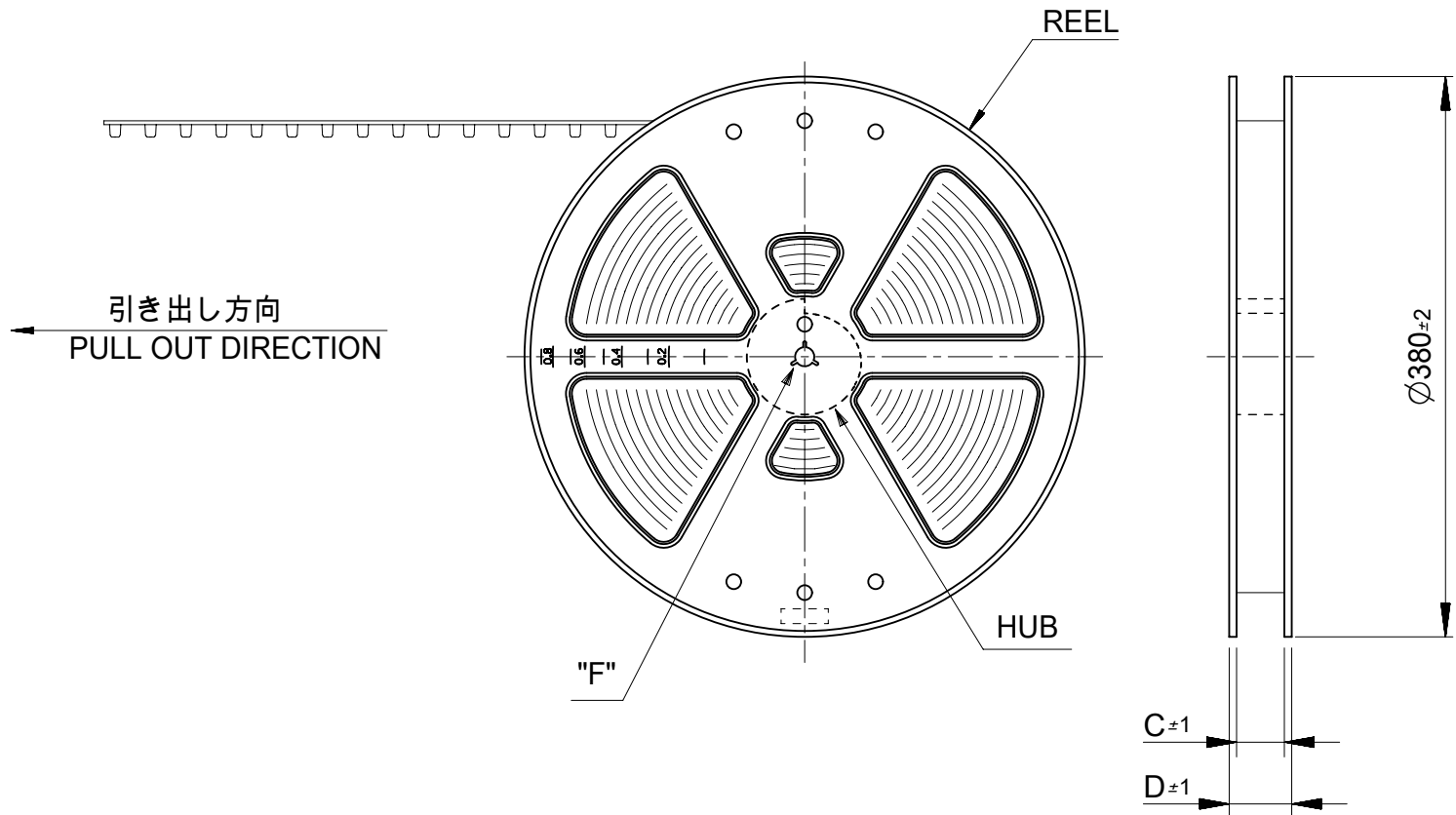
A

注記 NOTES

1. 梱包数量： 900 個 / リール
NUMBER OF CONNECTORS:900 PCS/REEL
2. リードテープ長さ
LEAD TAPE LENGTH



3. トッpt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.
4. 製品詳細寸法については図面 5017861002 DOC. PART 000を参照下さい。
RE DETAILED DIMENSION, SEE 5017861002 DOC. PART 000.
5. 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリスチレン(POLYSTYRENE)
トッptテープ(TOP TAPE)：PET, PE, PE
リール(REEL)：ポリスチレン(POLYSTYRENE)
リサイクル材を含む
RECYCLE MATERIAL CONTAINED

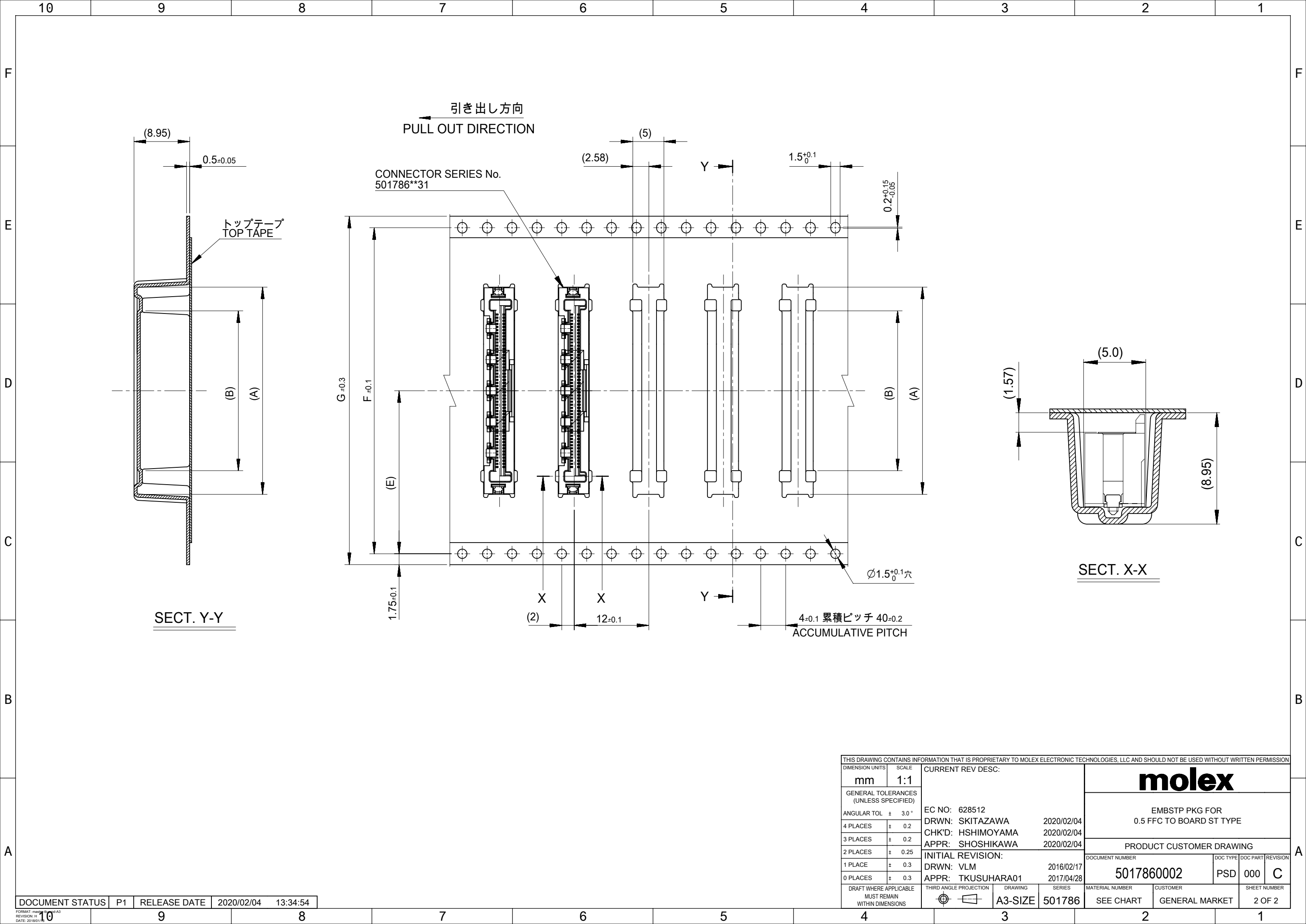


HUB

DETAIL "F"

56	56.0	52.4	26.2	61.4	57.4	25.68	33.3	5017865091	50
44	44.0	40.4	20.2	49.4	45.4	20.68	28.3	5017864091	40
						15.68	23.3	5017863091	30
キャリアテープ幅 CARRIER TAPE WIDTH	G	F	E	D	C	B	A	EMBOSSSED PACKAGE	Circuit
								オーダー番号 ORDER No.	

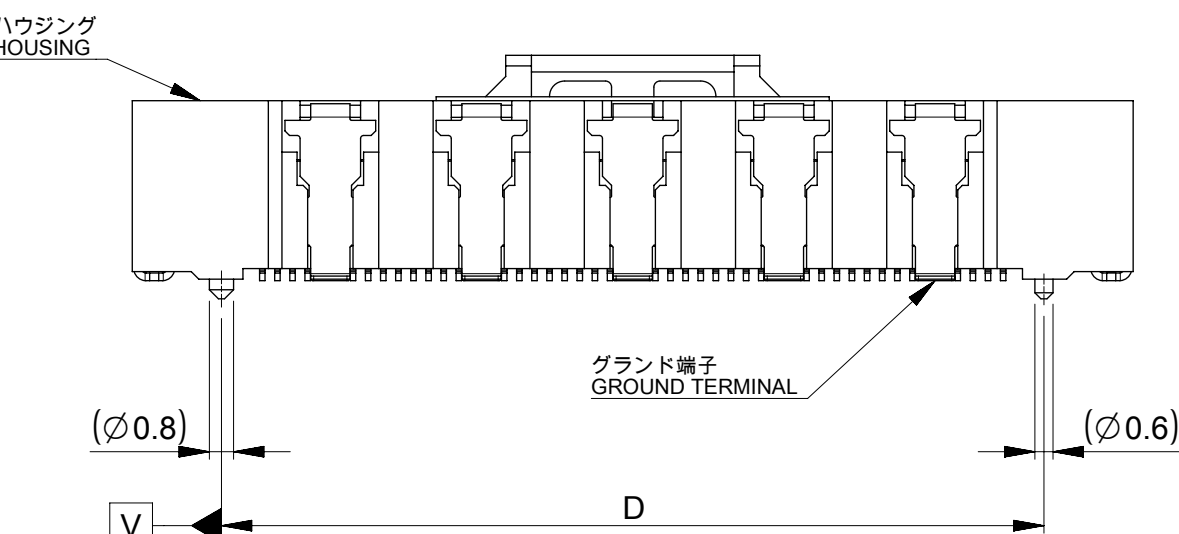
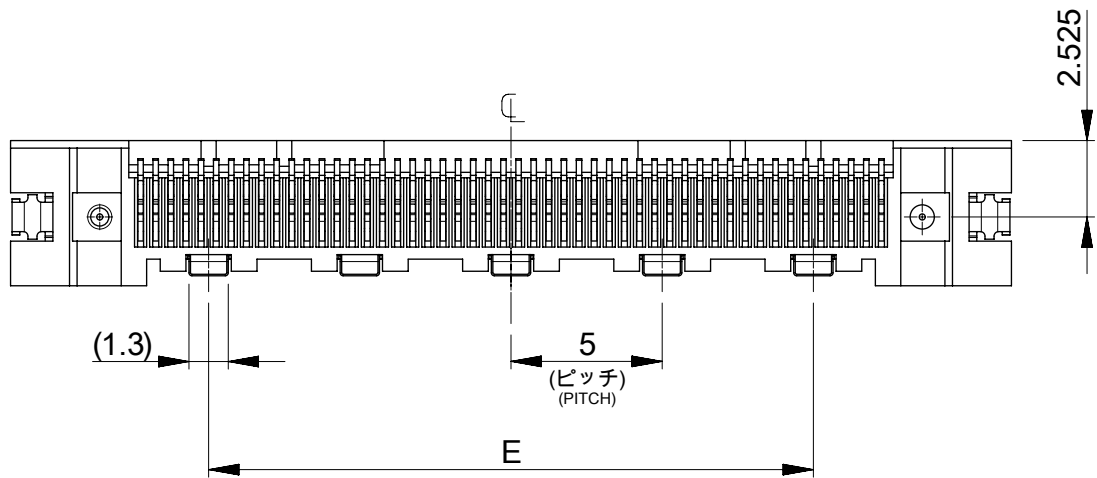
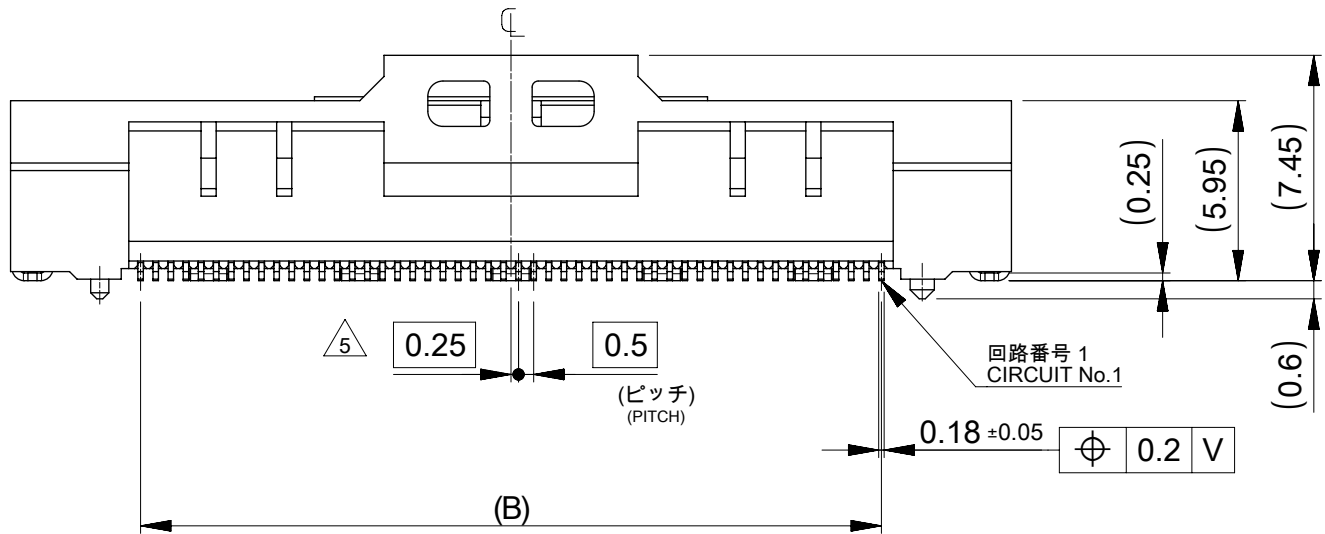
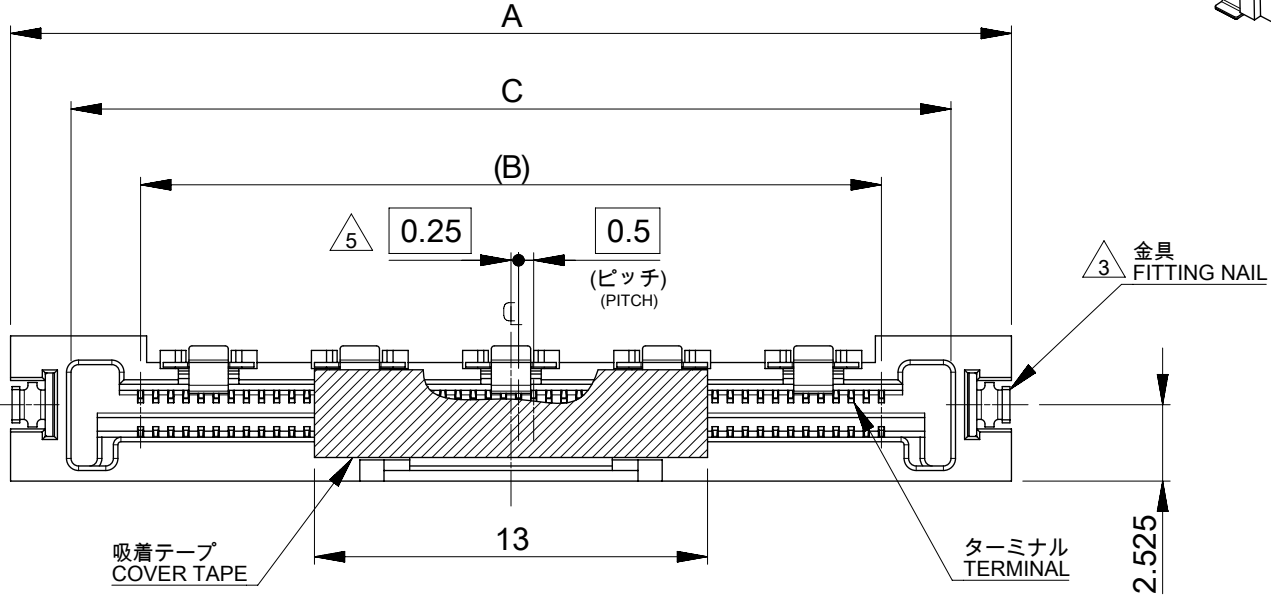
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex					
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 628512 DRWN: SKITAZAWA 2020/02/04 CHK'D: HSHIMOYAMA 2020/02/04 APPR: SHOSHIKAWA 2020/02/04			EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE							
ANGULAR TOL ± 3.0 °												
4 PLACES ± 0.2												
3 PLACES ± 0.2												
2 PLACES ± 0.25												
1 PLACE ± 0.3		INITIAL REVISION:			PRODUCT CUSTOMER DRAWING							
0 PLACES ± 0.3		DRWN: VLM 2016/02/17 APPR: TKUSUHARA01 2017/04/28										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
				A3-SIZE		501786		5017860002		PSD	000	C
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
								SEE CHART		GENERAL MARKET		1 OF 2



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: 628512 DRWN: SKITAZAWA 2020/02/04 CHK'D: HSHIMOYAMA 2020/02/04 APPR: SHOSHIKAWA 2020/02/04				EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE				
ANGULAR TOL		±	3.0 °									
4 PLACES		±	0.2									
3 PLACES		±	0.2									
2 PLACES		±	0.25									
1 PLACE ± 0.3				INITIAL REVISION:				PRODUCT CUSTOMER DRAWING				
0 PLACES ± 0.3				DRWN: VLM 2016/02/17								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: TKUSUHARA01 2017/04/28								
THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
				A3-SIZE		501786		5017860002		PSD	000	C
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
								SEE CHART		GENERAL MARKET		2 OF 2

注記 NOTES

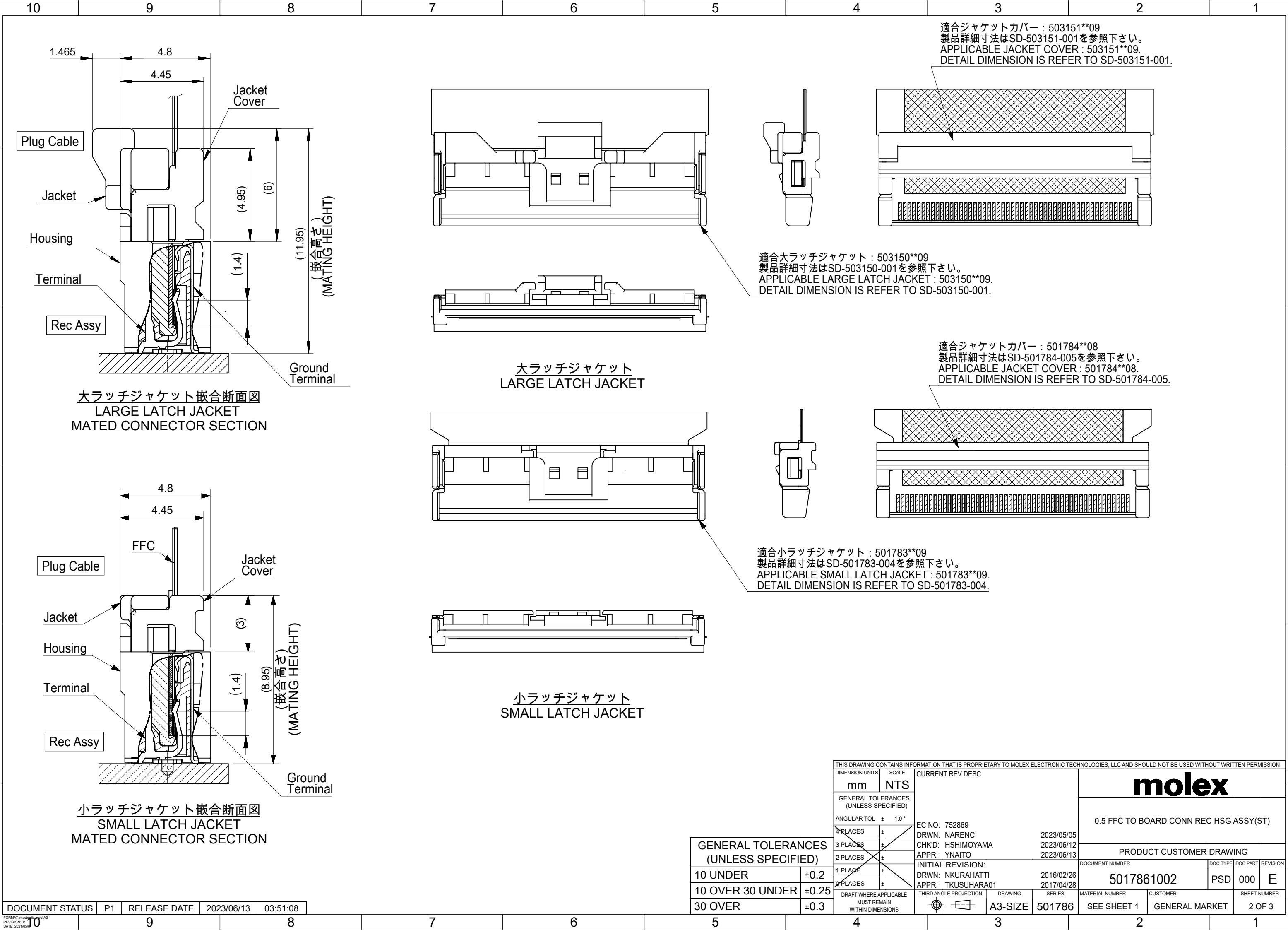
1. 使用材料 MATERIAL
ハウジング：液晶ポリマー(LCP)、ガラス充填、UL94V-0、黒色
ターミナル：銅合金 (t=0.18)
補強金具：銅合金 (t=0.25)
グランド端子：銅合金 (t=0.15)
吸着テープ：ポリイミド
HOUSING : LIQUID CRYSTAL POLYMER(LCP), GLASS FILLED, UL94V-0, BLACK
TERMINAL : COPPER ALLOY (t=0.18)
FITTING NAIL : COPPER ALLOY (t=0.25)
GROUND TERMINAL : COPPER ALLOY (t=0.15)
COVER TAPE: POLYIMIDE
2. めっき仕様 PLATING
ターミナル
コンタクト：金めっき(0.1μm以上) 下地：ニッケルめっき
ソルダーテール：金めっき(0.05μm以上) 下地：ニッケルめっき
補強金具：錫めっき(1.0μm以上) 下地：ニッケルめっき
グランド端子：錫めっき(1.0μm以上) 下地：ニッケルめっき
TERMINAL
CONTACT AREA : GOLD PLATING(0.1μm MIN) UNDERPLATING : NICKEL PLATING
SOLDER TAIL AREA : GOLD PLATING(0.05μm MIN) UNDERPLATING : NICKEL PLATING
FITTING NAIL : TIN PLATING(1.0μmMIN) UNDER PLATING : NICKEL PLATING
GROUND TERMINAL : TIN PLATING(1.0μmMIN) UNDER PLATING : NICKEL PLATING
パターン剥離止め用補強金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.
4. テールと金具を併せた平坦度は0.1mm 以下とする。
TAILS AND NAILS COPLANARITY TO BE 0.1mm MAXIMUM.
5. N = 偶数に適用 (N : 極数)
APPLY FOR N=EVEN(N:CIRCUIT)



5	20	27.2	29.1	24.5	33.1	5017865091	50
4	15	22.2	24.1	19.5	28.1	5017864091	40
3	10	17.2	19.1	14.5	23.1	5017863091	30
QTY of Ground Terminal	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	Circuit

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		CURRENT REV DESC:		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
DIMENSION UNITS		mm		NTS		5017861002		PSD		000		E	
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL		± 1.0°		EC NO: 752869		DRWN: NKURAHATTI		2016/02/26		2017/04/28	
4 PLACES		±		3 PLACES		±		2 PLACES		±		1 PLACE	
±		±		±		±		±		±		±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		A3-SIZE		501786		SEE TABLE		GENERAL MARKET		1 OF 3			



適合ジャケットカバー : 503151**09
製品詳細寸法はSD-503151-001を参照下さい。
APPLICABLE JACKET COVER : 503151**09.
DETAIL DIMENSION IS REFER TO SD-503151-001.

適合大ラッチジャケット : 503150**09
製品詳細寸法はSD-503150-001を参照下さい。
APPLICABLE LARGE LATCH JACKET : 503150**09.
DETAIL DIMENSION IS REFER TO SD-503150-001.

適合ジャケットカバー : 501784**08
製品詳細寸法はSD-501784-005を参照下さい。
APPLICABLE JACKET COVER : 501784**08.
DETAIL DIMENSION IS REFER TO SD-501784-005.

適合小ラッチジャケット : 501783**09
製品詳細寸法はSD-501783-004を参照下さい。
APPLICABLE SMALL LATCH JACKET : 501783**09.
DETAIL DIMENSION IS REFER TO SD-501783-004.

大ラッチジャケット嵌合断面図
LARGE LATCH JACKET
MATED CONNECTOR SECTION

大ラッチジャケット
LARGE LATCH JACKET

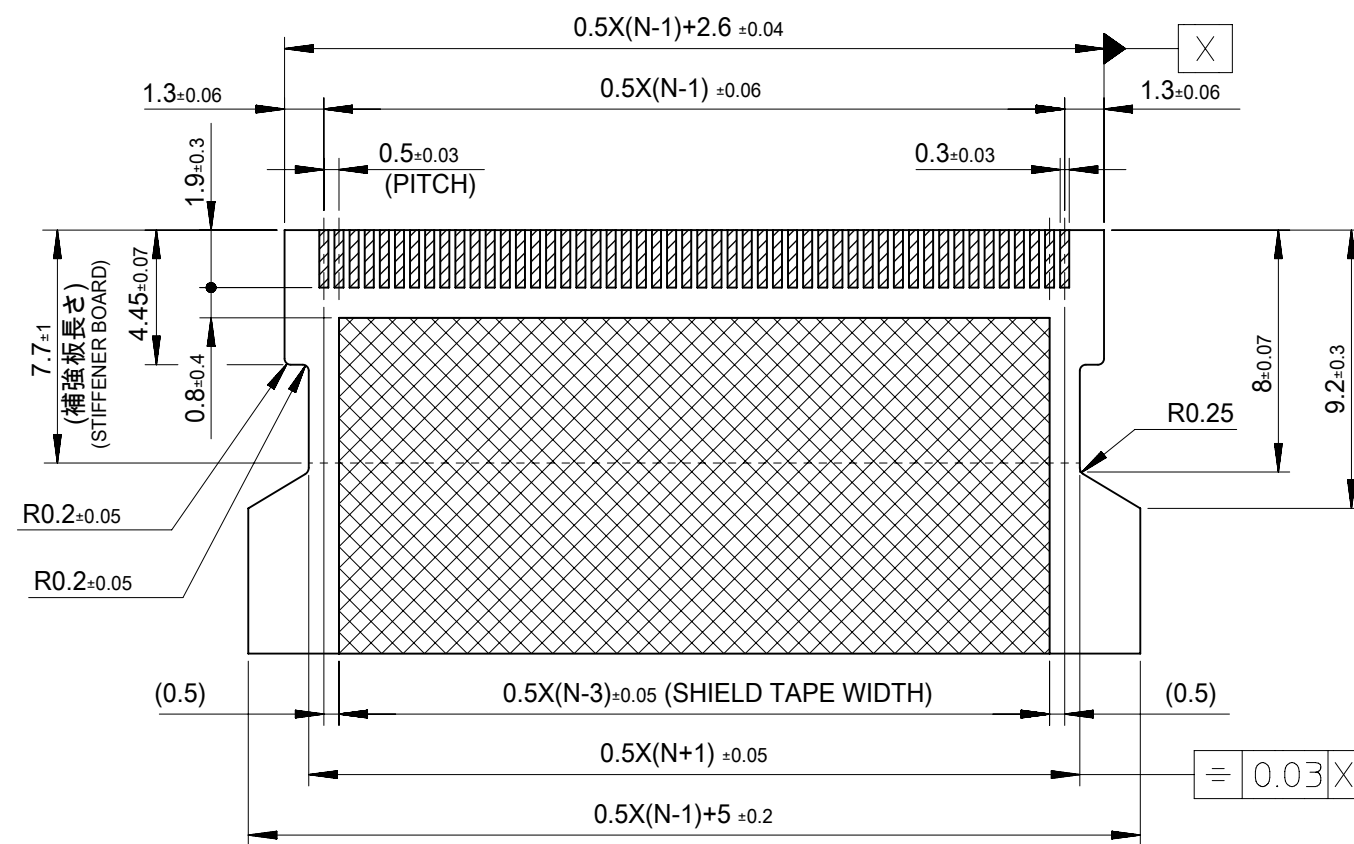
小ラッチジャケット嵌合断面図
SMALL LATCH JACKET
MATED CONNECTOR SECTION

小ラッチジャケット
SMALL LATCH JACKET

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			0.5 FFC TO BOARD CONN REC HSG ASSY(ST)		
mm	NTS			PRODUCT CUSTOMER DRAWING		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 752869		DOCUMENT NUMBER		
ANGULAR TOL ± 1.0°		DRWN: NARENC		2023/05/05		
4 PLACES ±		CHK'D: HSHIMOYAMA		2023/06/12		
3 PLACES ±		APPR: YNAITO		2023/06/13		
2 PLACES ±		INITIAL REVISION:		2016/02/26		
1 PLACE ±		DRWN: NKURAHATTI		2017/04/28		
0 PLACES ±		APPR: TKUSUHARA01		5017861002		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
		⊕	A3-SIZE	501786	SEE SHEET 1	GENERAL MARKET
						SHEET NUMBER
						2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/13	03:51:08
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適合FFC推奨寸法
APPLICABLE FFC RECOMENDED DIMENSION

仕上がり厚さ THICKNESS

コネクタ接点部: 0.3 ± 0.03

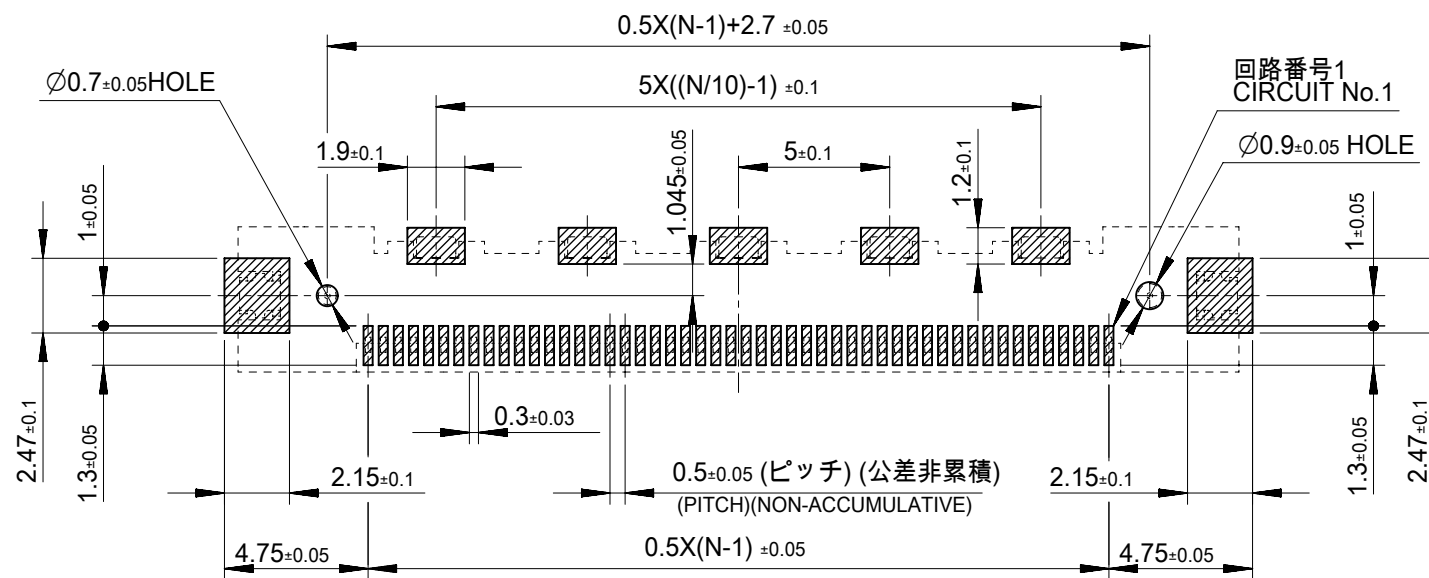
CONNECTOR CONTACT PORTION : 0.3 ± 0.03

シールド部 : 0.44 ± 0.05

SHIELD PORTION : 0.44 ± 0.05

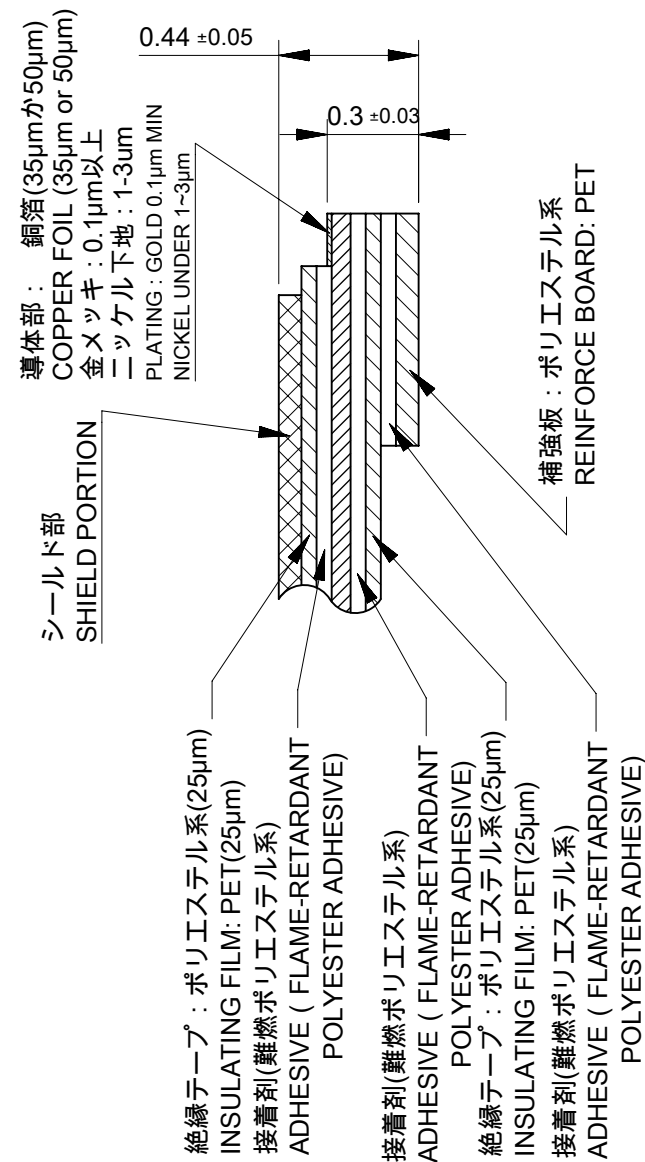
 コネクタ接点部
CONNECTOR CONTACT PORTION

 シールド部
SHIELD PORTION



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

参考マスク厚：120μm
REFERENCE SCREEN THICKNESS : 120μm
参考マスク開口率：100%
REFERENCE SCREEN OPEN RATIO : 100%



FFC構成推奨仕様

RECOMMENDED STRUCTURE OF FFC

FFCについて ABOUT 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/確認をお願いいたします。

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.)

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex									
mm		NTS															
GENERAL TOLERANCES (UNLESS SPECIFIED)				0.5 FFC TO BOARD CONN REC HSG ASSY(ST)													
ANGULAR TOL ± 1.0°																	
2 PLACES ±				EC NO: 752869				PRODUCT CUSTOMER DRAWING									
3 PLACES ±				DRWN: NARENC 2023/05/05													
2 PLACES ±				CHK'D: HSHIMOYAMA 2023/06/12													
1 PLACE ±				APPR: YNAITO 2023/06/13				DOCUMENT NUMBER 5017861002									
0 PLACES ±				INITIAL REVISION:								DOC TYPE PSD		DOC PART 000		REVISION E	
				DRWN: NKURAHATTI 2016/02/26													
				APPR: TKUSUHARA01 2017/04/28													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 501786		MATERIAL NUMBER SEE SHEET 1		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 3			