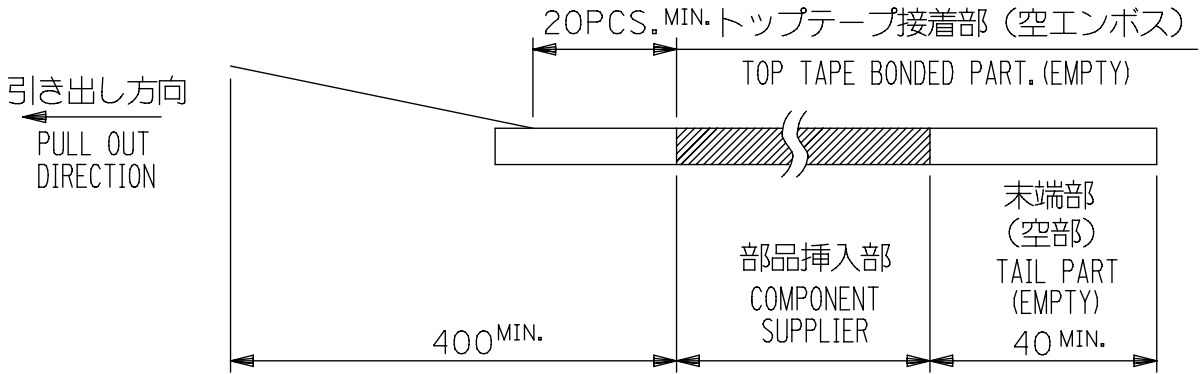


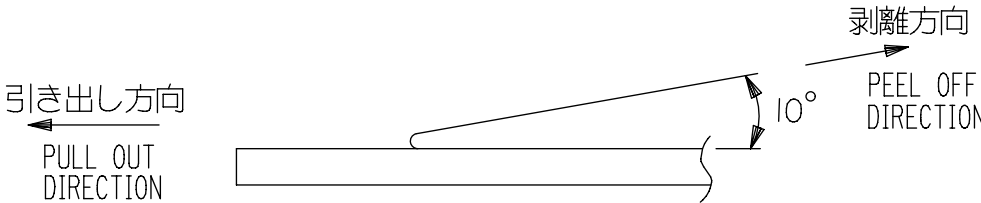
NOTES

1. 製品詳細寸法については図面 **512811000-SD** を参照下さい。
RE DETAILED DIMENSION, SEE **512811000-SD**
2. 梱包数量：3000個／リール
NUMBER OF CONNECTORS：3000PCS／REEL
3. リードテープ長さ LEAD TAPE LENGTH

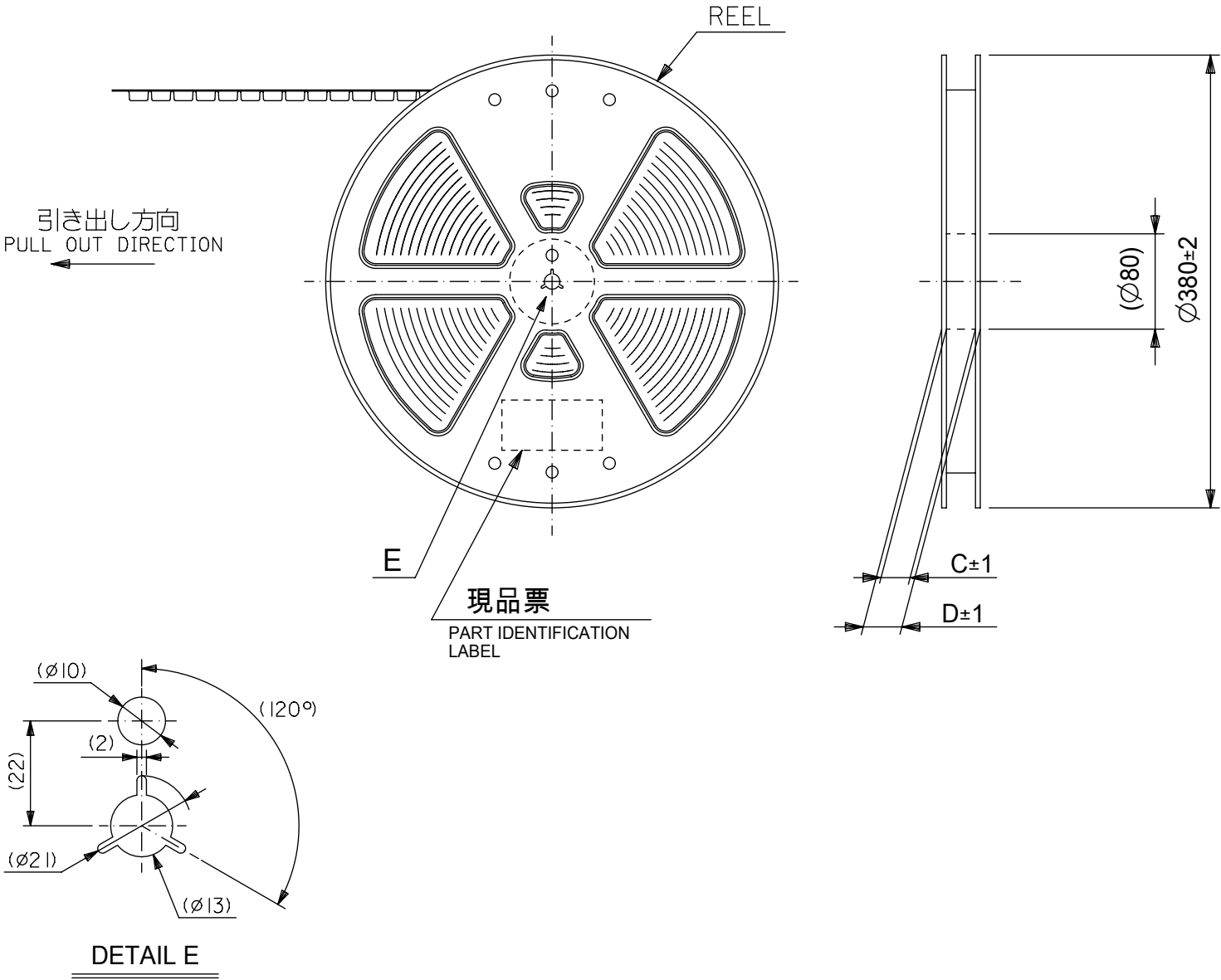


4. トップテープの剥離強度：0.1N～1.3N {10gf～130gf}
(剥離方向は下図参照)

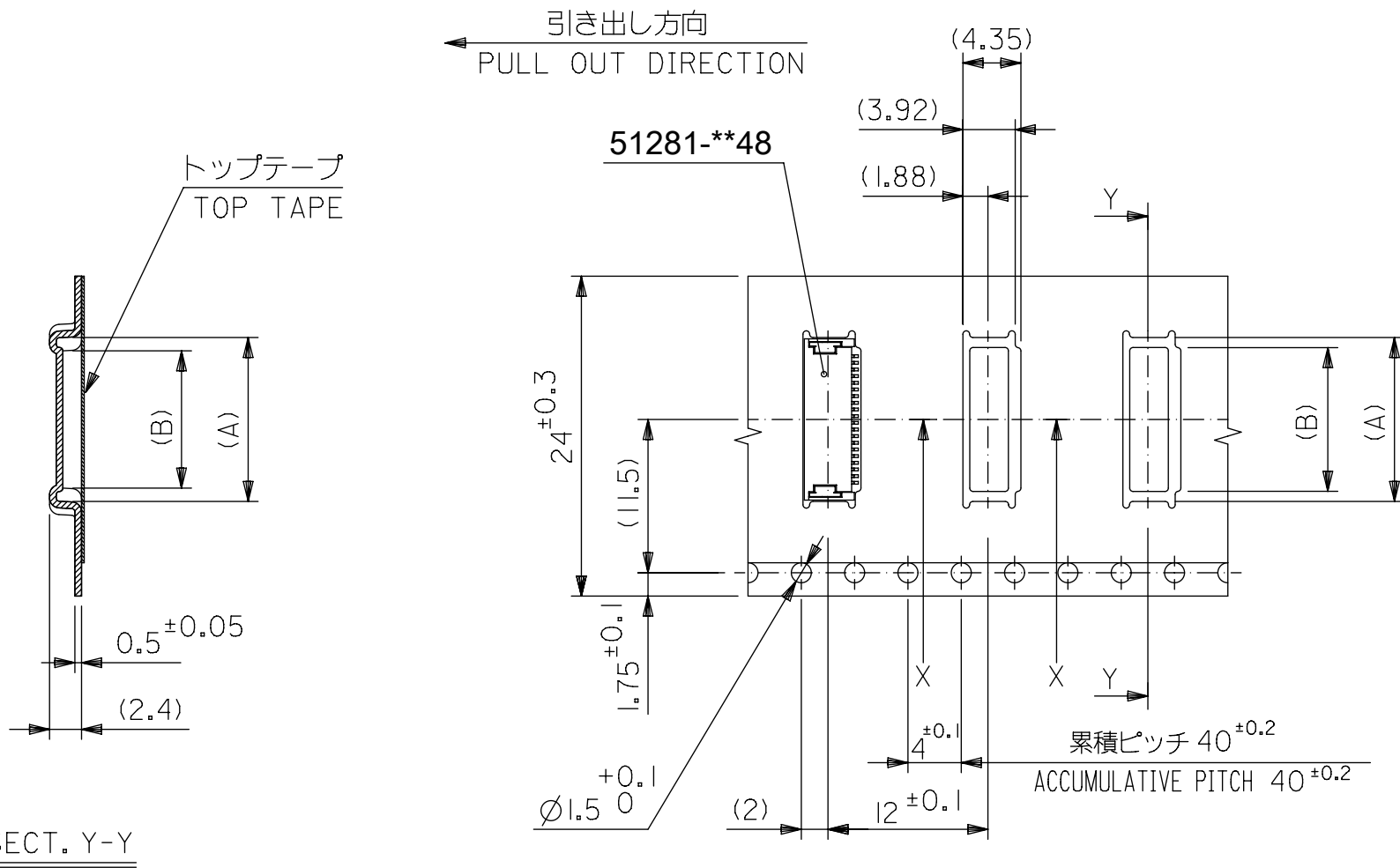
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE：0.1N～1.3N {10gf～130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



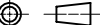
5. 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE)：ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE)：PET, PE, PEF
リール (REEL)：ポリスチレン (PS) <リサイクル材含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
6. C, D 寸法は SHEET 2 ～ 3 を参照下さい。
SEE SHEET 2 ～ 3 (DIMENSION C, D).



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		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 708402 DRWN: NARENC 2022/05/27 CHK'D: SMARUYAMA 2022/05/30 APPR: YNAITO 2022/05/30									
ANGULAR TOL ± 3.0 °													
4 PLACES		± 0.2		INITIAL REVISION: DRWN: NARENC 2022/05/16 APPR: YNAITO 2022/05/30									
3 PLACES		± 0.2											
2 PLACES		± 0.2		PRODUCT CUSTOMER DRAWING									
1 PLACE		± 0.2											
0 PLACES		± 0.2		DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				512810000-SD				PSD		000		A	
				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER	
				A3-SIZE		51281		SEE SHEET 2 TO 4		GENERAL MARKET		1 OF 4	



24	29.4	25.4	12.3	14.3	51281-2498	24
			11.3	13.3	51281-2298	22
			10.3	12.3	51281-2098	20
			9.3	11.3	51281-1898	18
			8.3	10.3	51281-1698	16
			7.3	9.3	51281-1498	14
			6.3	8.3	51281-1298	12
			5.8	7.8	51281-1198	11
			5.3	7.3	51281-1098	10
			4.8	6.8	51281-0998	9
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	製品番号 MATERIAL No.	極数 CIRCUIT

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		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)						0.5 FPC CONN NON-ZIF (HGT=1.2MM) EMBSTP PKG						
ANGULAR TOL ± 3.0 °												
4 PLACES ± 0.2												
3 PLACES ± 0.2				EC NO: 708402								
2 PLACES ± 0.2				DRWN: NARENC		2022/05/27						
1 PLACE ± 0.2				CHK'D: SMARUYAMA		2022/05/30						
0 PLACES ± 0.2				APPR: YNAITO		2022/05/30						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION	
				DRWN: NARENC		512810000-SD		PSD		000	A	
				THIRD ANGLE PROJECTION		DRAWING		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A3-SIZE		SERIES		SEE TABLE		GENERAL MARKET		3 OF 4
				2022/05/16		2022/05/30						

引き出し方向
PULL OUT DIRECTION

トップテープ
TOP TAPE

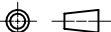
51281-**48

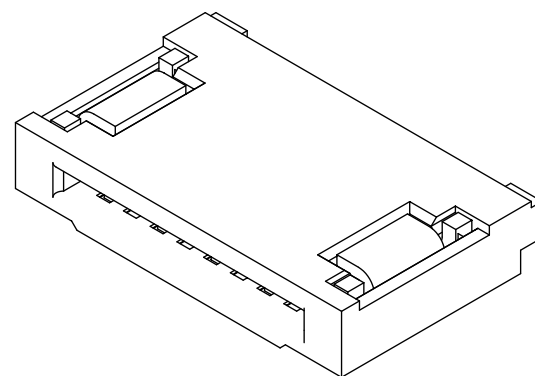
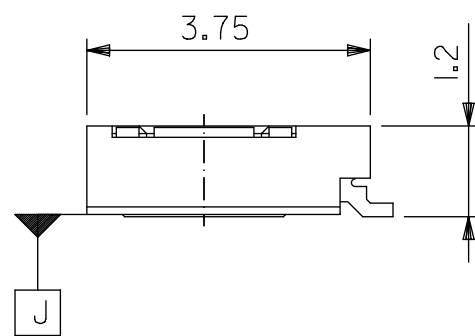
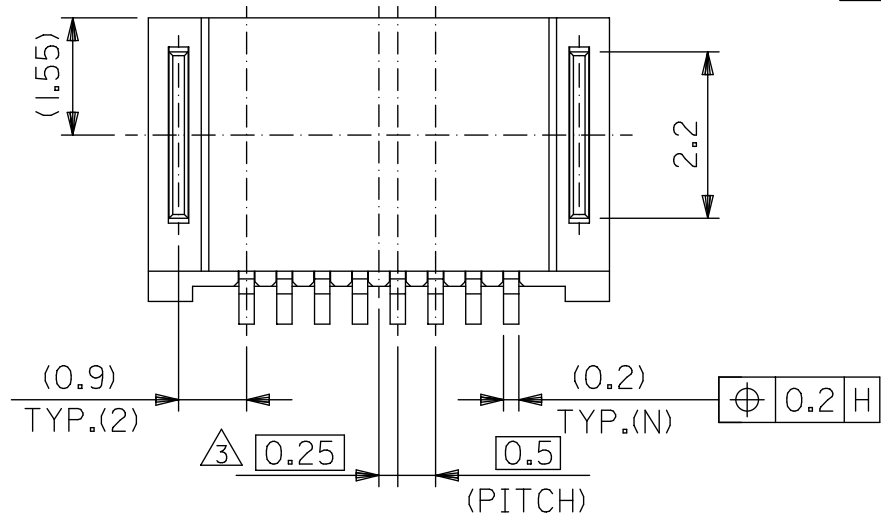
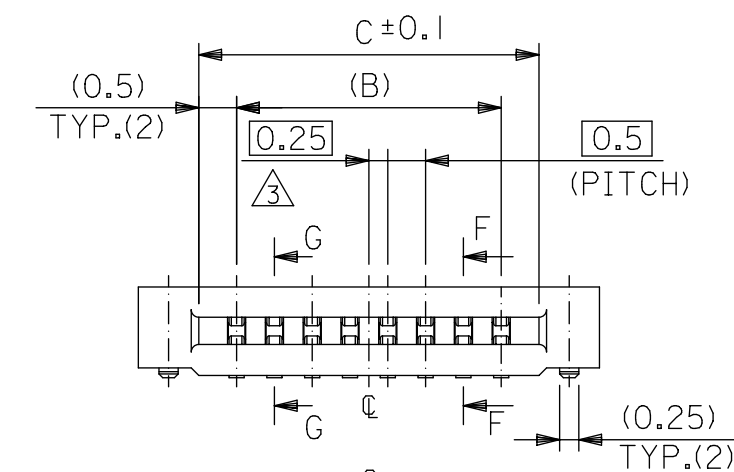
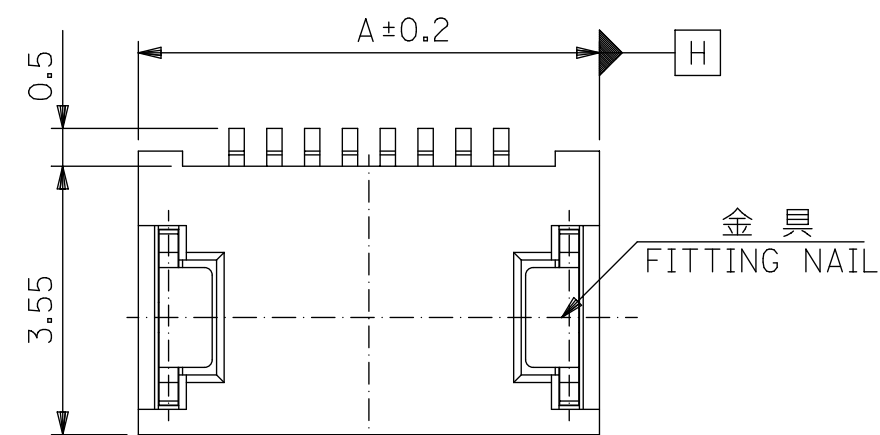
SECT. Y-Y

SECT. X-X

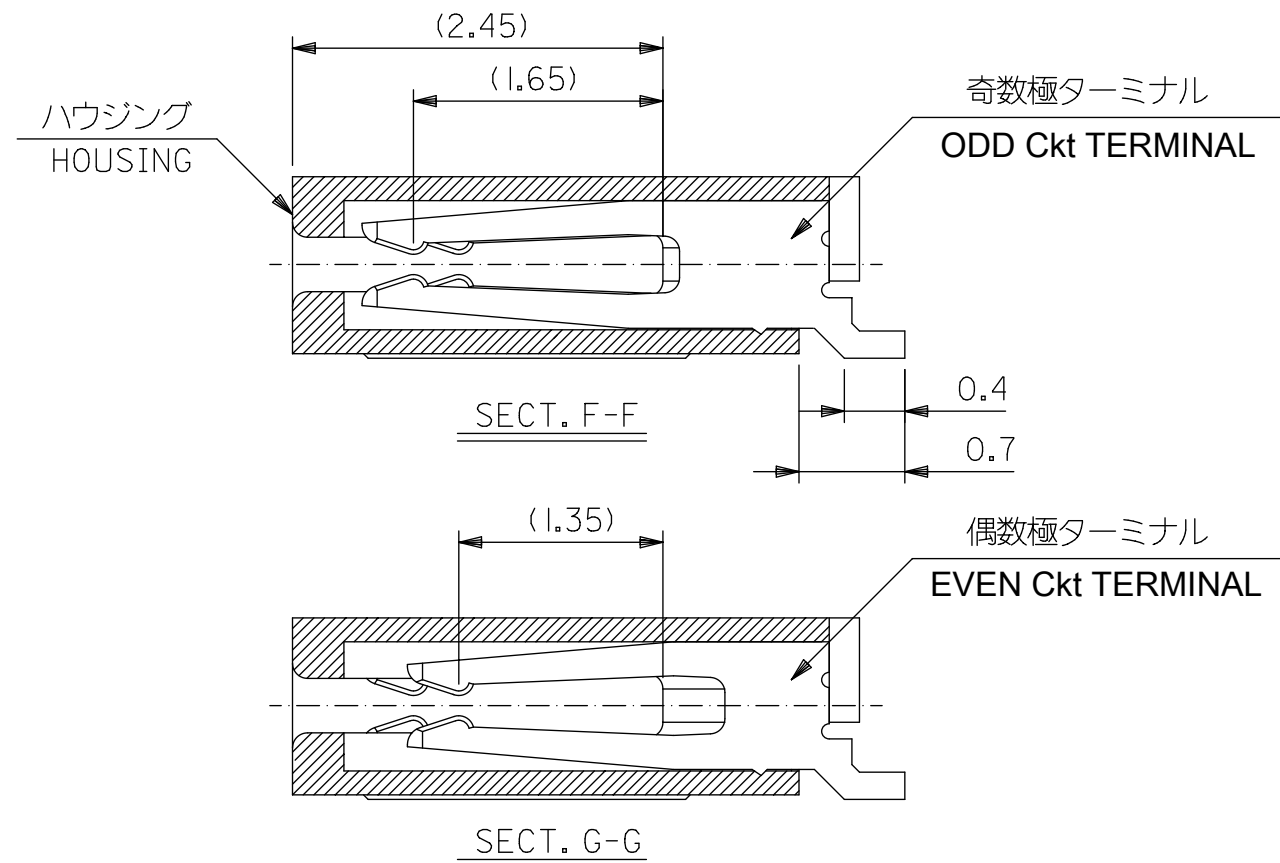
32mm幅キャリアテープ

32	37.4	33.4	13.3	15.3	51281-2698	26
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	製品番号 MATERIAL No.	極数 CIRCUIT

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		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				0.5 FPC CONN NON-ZIF (HGT=1.2MM) EMBSTP PKG					
ANGULAR TOL ± 3.0°									
4 PLACES		± 0.2		EC NO: 708402		PRODUCT CUSTOMER DRAWING			
3 PLACES		± 0.2		DRWN: NARENC 2022/05/27					
2 PLACES		± 0.2		CHK'D: SMARUYAMA 2022/05/30		DOCUMENT NUMBER 512810000-SD			
1 PLACE		± 0.2		APPR: YNAITO 2022/05/30					
0 PLACES		± 0.2		INITIAL REVISION:		DOC TYPE PSD			
				DRWN: NARENC 2022/05/16					
				APPR: YNAITO 2022/05/30		DOC PART 000			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		51281	
						MATERIAL NUMBER		CUSTOMER	
						SEE TABLE		GENERAL MARKET	
								SHEET NUMBER	
								4 OF 4	



ISO VIEW (参考)



13.5	12.5	15.1	51281-2698	26
12.5	11.5	14.1	51281-2498	24
11.5	10.5	13.1	51281-2298	22
10.5	9.5	12.1	51281-2098	20
9.5	8.5	11.1	51281-1898	18
8.5	7.5	10.1	51281-1698	16
7.5	6.5	9.1	51281-1498	14
6.5	5.5	8.1	51281-1298	12
6.0	5.0	7.6	51281-1198	11
5.5	4.5	7.1	51281-1098	10
5.0	4.0	6.6	51281-0998	9
4.5	3.5	6.1	51281-0898	8
4.0	3.0	5.6	51281-0798	7
3.5	2.5	5.1	51281-0698	6
3.0	2.0	4.6	51281-0598	5
C	B	A	EMBOSSED TAPE	CIRCUIT
			ORDER No. オーダー番号	
CONNECTOR SERIES NO. : 51281-**48				

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 0.5 FPC CONN NON-ZIF HSG ASSY (HGT=1.2MM) PRODUCT CUSTOMER DRAWING								
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL		± 3.0 °		EC NO: 708402 DRWN: NARENC2022/05/27 CHK'D: SMARUYAMA2022/05/30 APPR: YNAITO2022/05/30 INITIAL REVISION: DRWN: NARENC2022/05/17 APPR: YNAITO2022/05/30			DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION			
4 PLACES		± 0.2					512811000-SD		PSD		000		A		
3 PLACES		± 0.2													
2 PLACES		± 0.2													
1 PLACE		± 0.2													
0 PLACES		± 0.2													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		51281		SEE TABLE		GENERAL MARKET		1 OF 2	

molex

0.5 FPC CONN NON-ZIF
HSG ASSY (HGT=1.2MM)

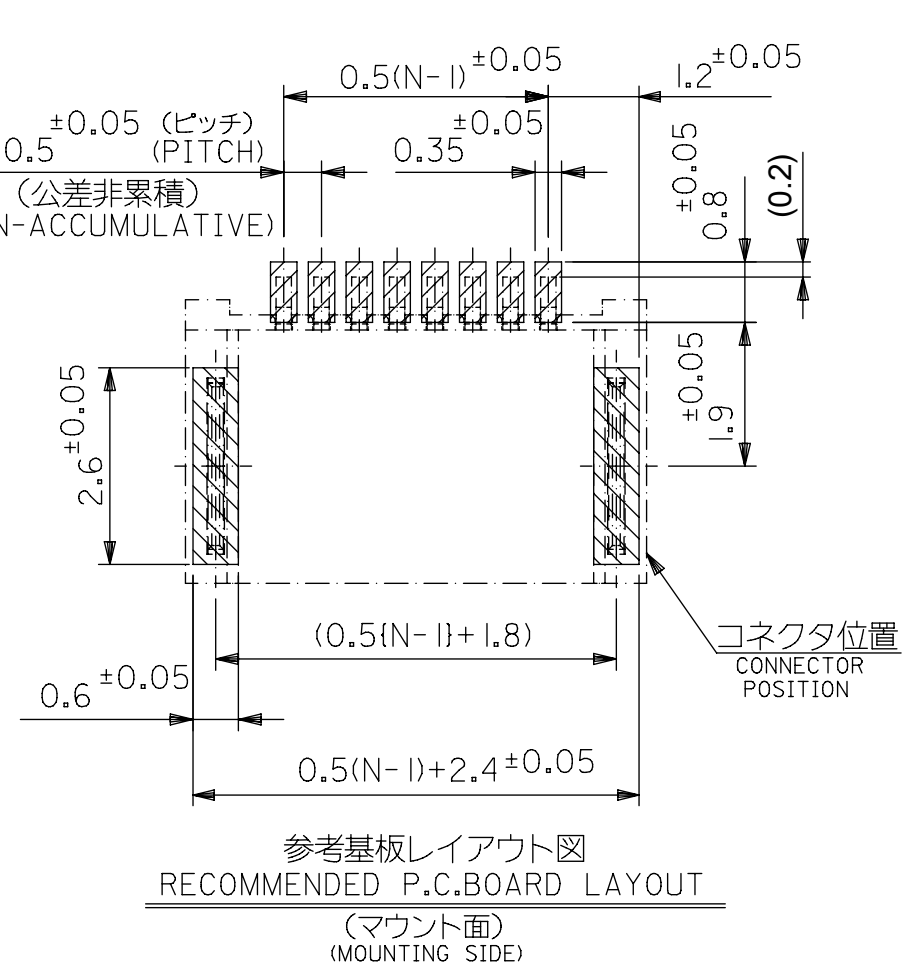
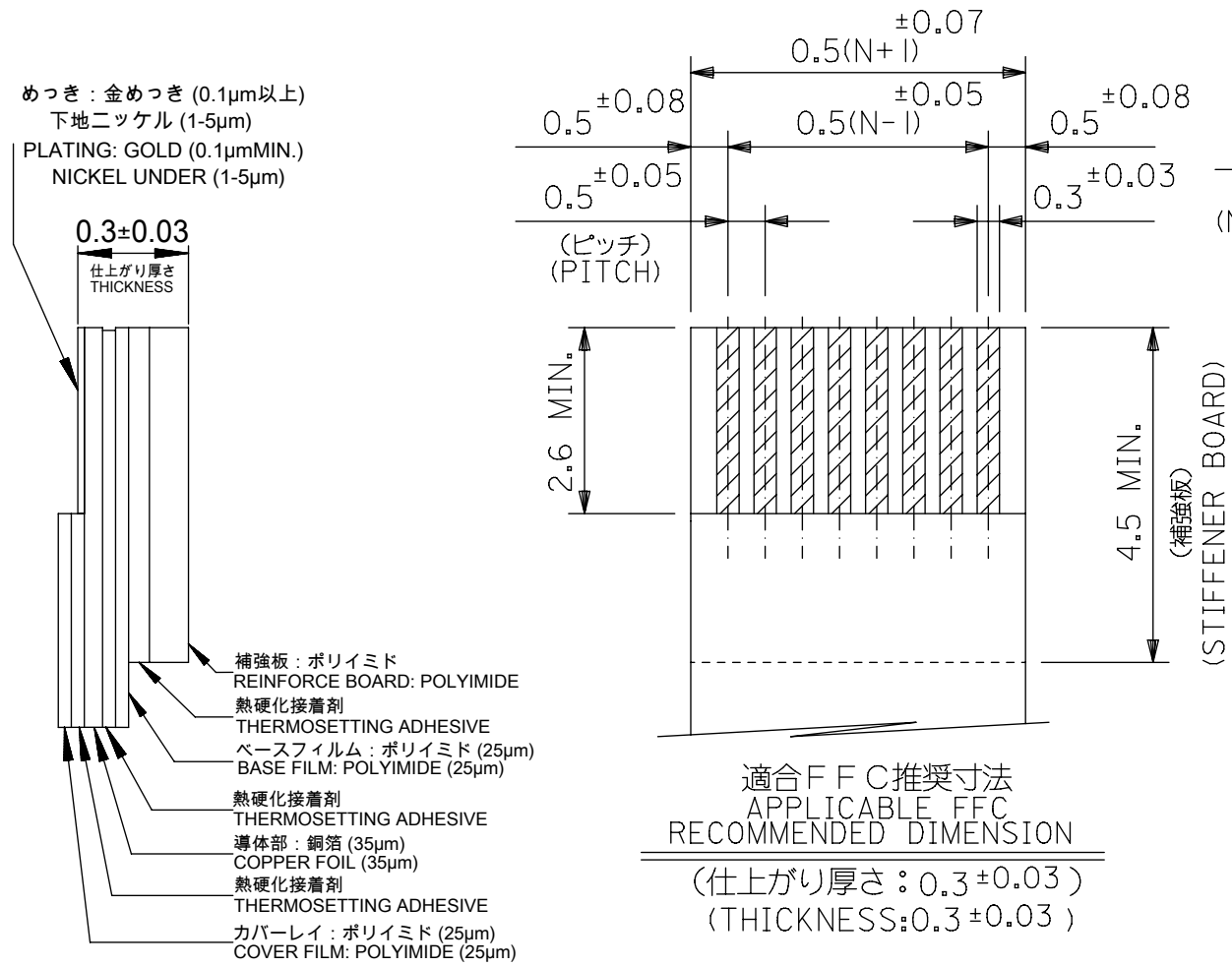
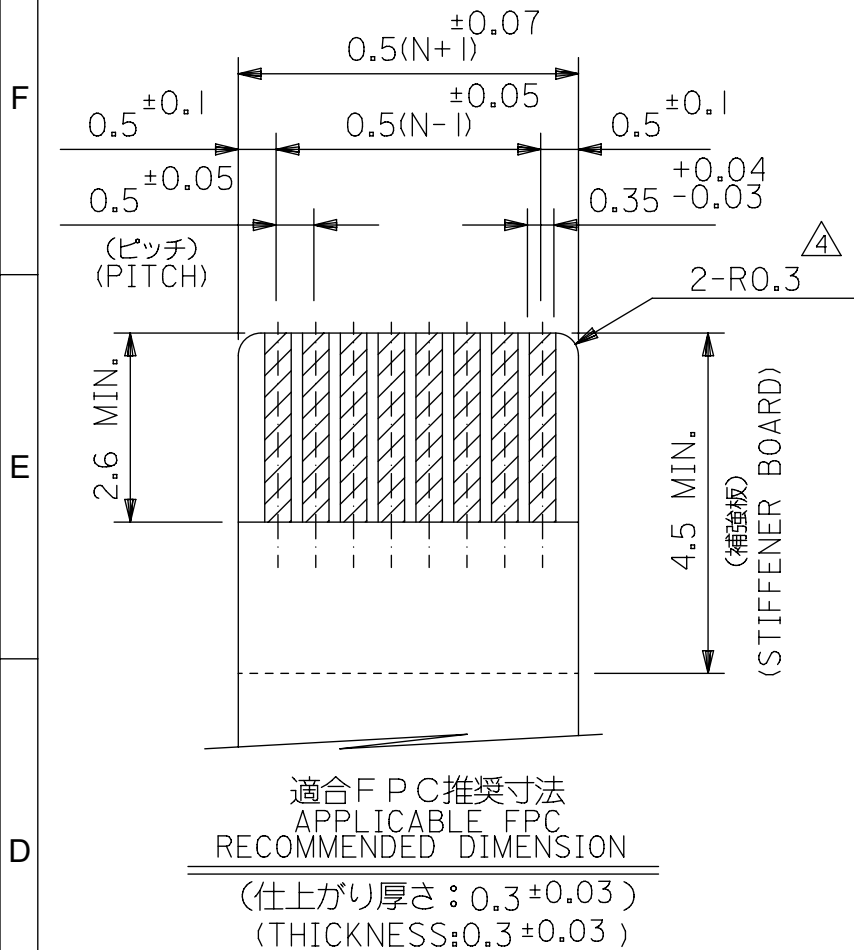
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
512811000-SD

DOC TYPE
PSD

DOC PART
000

REVISION
A



注記 NOTES

1. 使用材料 MATERIAL

ハウジング：液体ポリマー ガラス充填 UL94V-0

HOUSING : LIQUID CRYSTAL POLYMER (GRASS FILLED) UL94-0

ターミナル：リン青銅 (t=0.2), ニッケル下地, コンタクト部：金メッキ, テール部：錫メッキ

TERMINAL : PHOSPHOR-BRONZE, CONTACT : GOLD, TAIL : TIN, OVER NICKEL PLATING

金具：リン青銅 (t=0.25), ニッケル下地 純錫メッキ

2 FITTING NAIL : PHOSPHOR-BRONZE, PURE-TIN OVER NICKEL PLATING

ソルダーテ—リ半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 **J** に対し、上方向 0.1 MAXIMUM 下方向 0.15 MAXIMUMとする。

又、相互のバラツキ量は 0.1 MAXIMUMとする。

MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM J

UPPER DIRECTION ; 0.1 MAXIMUM, LOWER DIRECTION ; 0.15 MAXIMUM.

OFFSET BETWEEN SOLDER TAILS AND FITTING NAILS ; 0.1 MAXIMUM.

△₃ 偶数極に適用

TO BE APPLIED ONLY WHEN ALL CIRCUITS ARE EVEN.

△₄ R0.3は、FPCの導体部にかからないこと。

R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

5. FPC/FFCについて：

打抜き方向は導体側から補強版側を推奨いたします。

導体部については軟銅箔35μmまたは50μm

メッキ厚0.1 μm以上金メッキ(電気メッキ)を推奨いたします。

RECOMMENDED PUCHER DIRECTION :

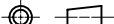
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED CONDUCTOR SPEC :

THICKNESS OF SOFT COPPER FOIL : 35 μm or 50 μm

GOLD PLATING : 0.1 μm MIN. (ELECTRICAL PLATING)

6. 本製品は51281-**20の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51281-**20.
7. ソルダータールの平坦度は、0.1 MAXIMUMとする。
SOLDER TAIL COPLANARITY IS 0.1 MAXIMUM.

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)				0.5 FPC CONN NON-ZIF HSG ASSY (HGT=1.2MM)								
ANGULAR TOL		± 3.0 °										
4 PLACES		± 0.2		EC NO: 708402 DRWN: NARENC 2022/05/27 CHK'D: SMARUYAMA 2022/05/30 APPR: YNAITO 2022/05/30				PRODUCT CUSTOMER DRAWING				
3 PLACES		± 0.2										
2 PLACES		± 0.2										
1 PLACE		± 0.2		INITIAL REVISION: DRWN: NARENC 2022/05/17 APPR: YNAITO 2022/05/30				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES		± 0.2						512811000-SD		PSD	000	A
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE	SERIES 51281	MATERIAL NUMBER SEE SHEET 1		CUSTOMER GENERAL MARKET	SHEET NUMBER 2 OF 2	