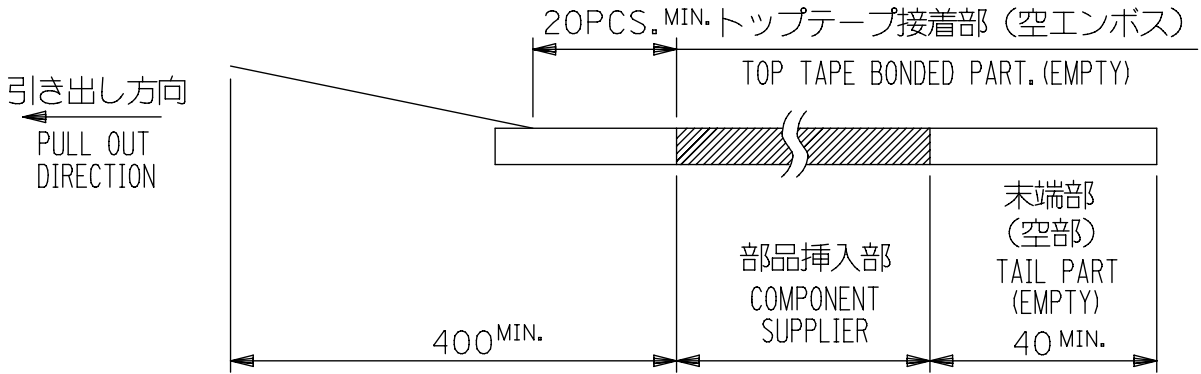


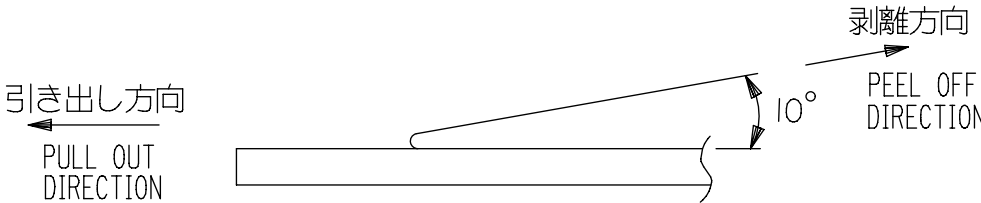
NOTES

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



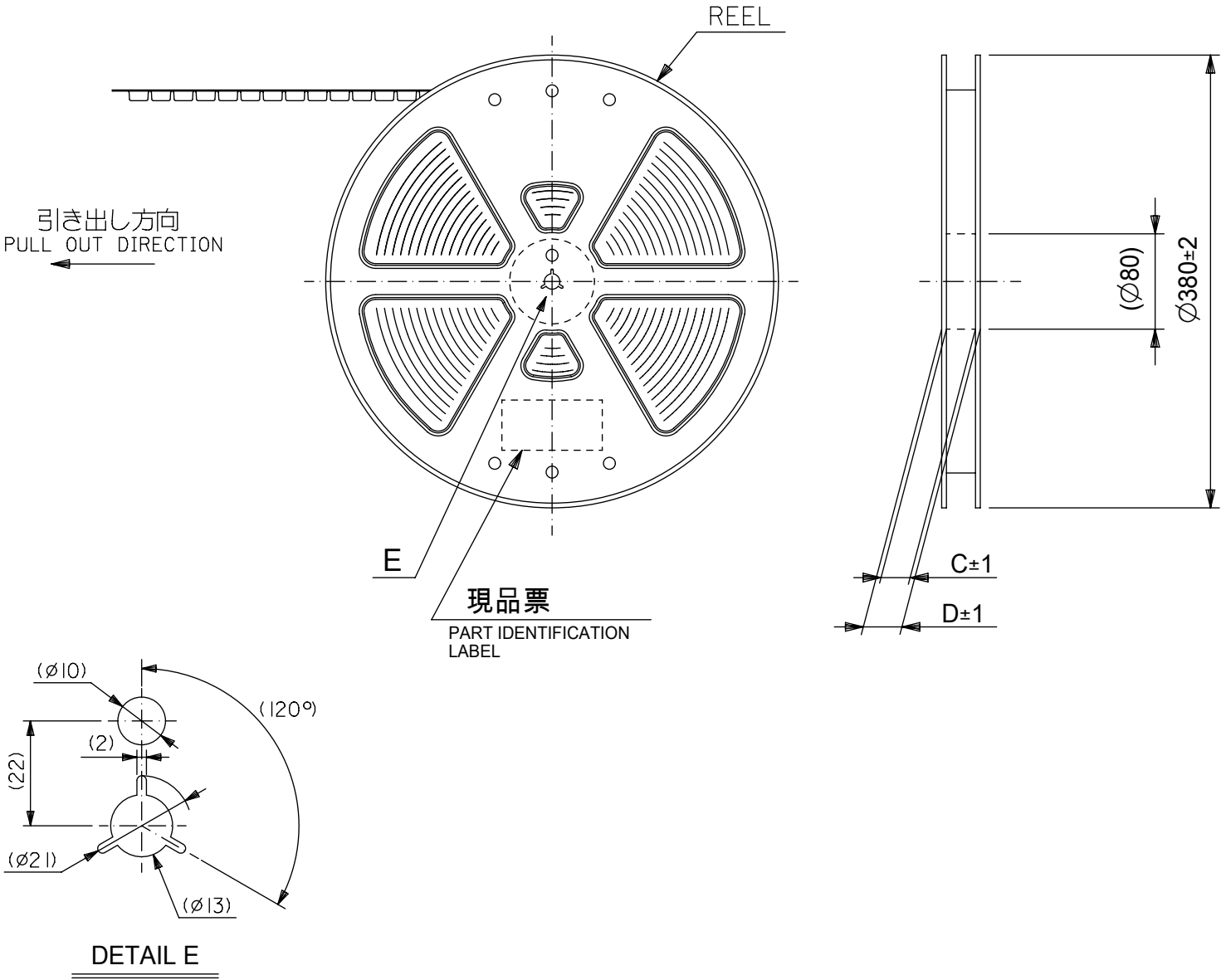
4. トップテープの剥離強度：0.1N～1.3N {10gf～130gf}
(剥離方向は下図参照)

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.



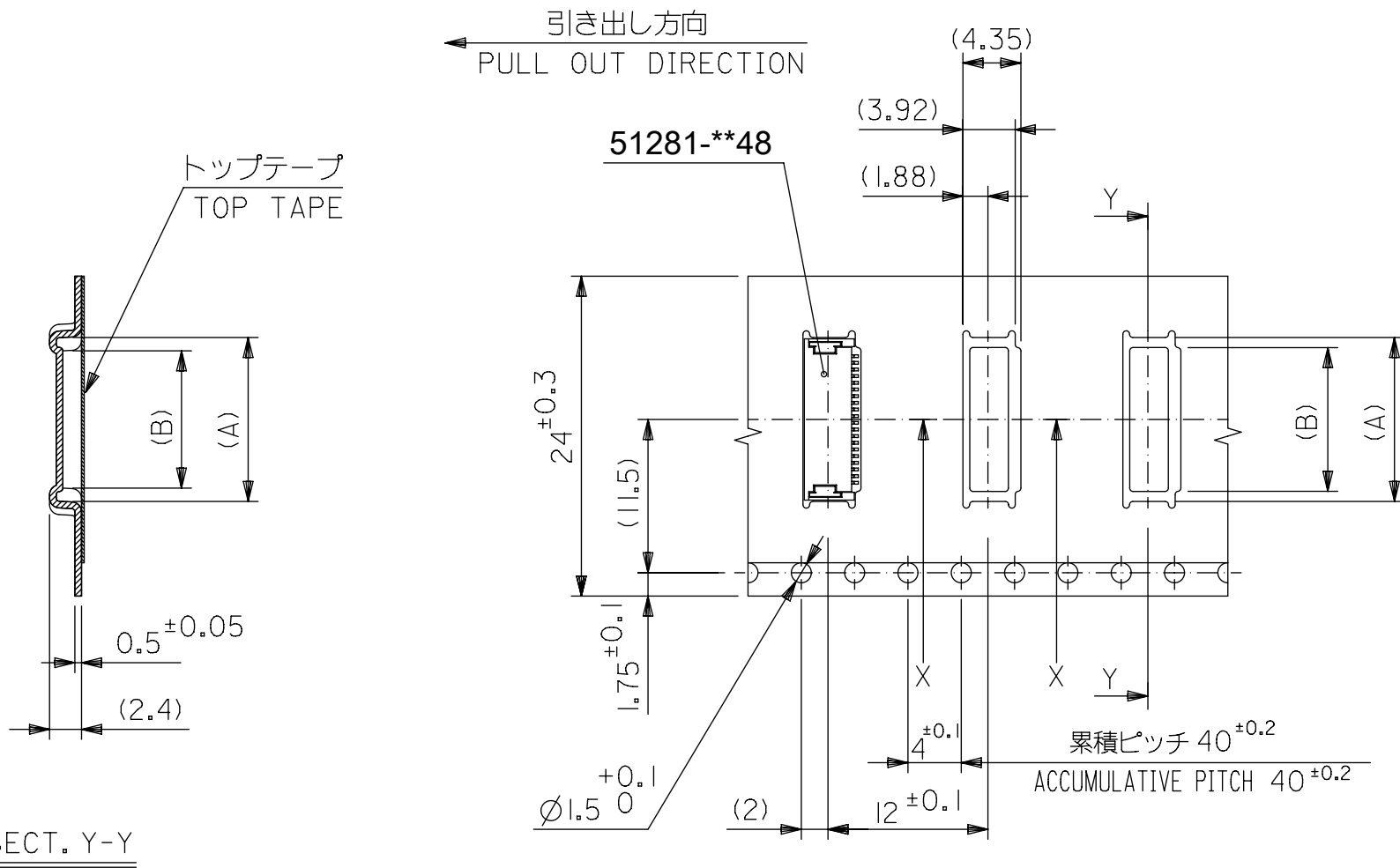
5. 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE)：ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE)：PET, PE, PEF
リール (REEL)：ポリスチレン (PS) <リサイクル材含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>

6. C, D 寸法は SHEET 2 ～ 3 を参照下さい。
SEE SHEET 2 ～ 3 (DIMENSION C, D).

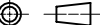


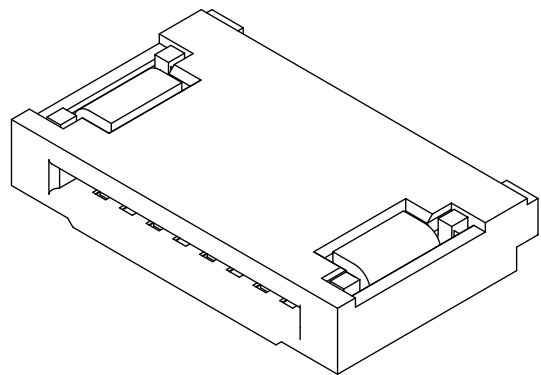
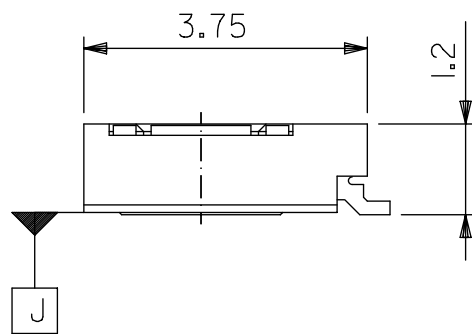
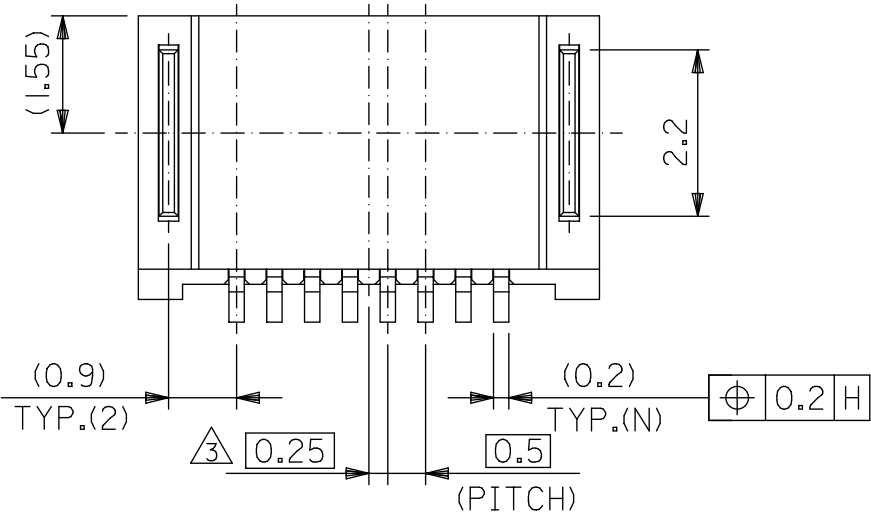
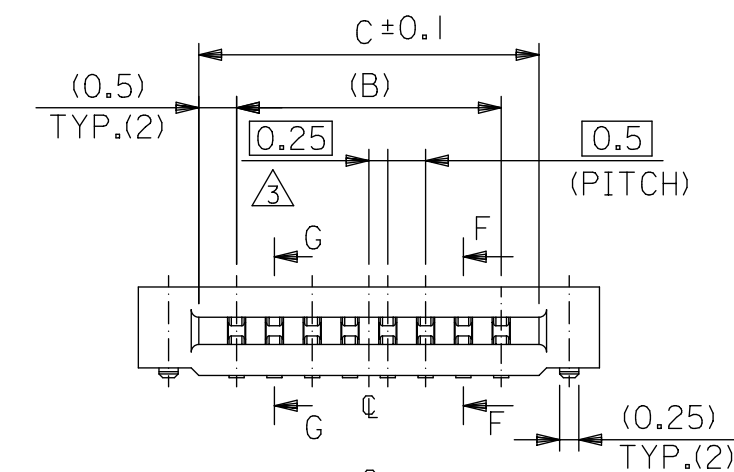
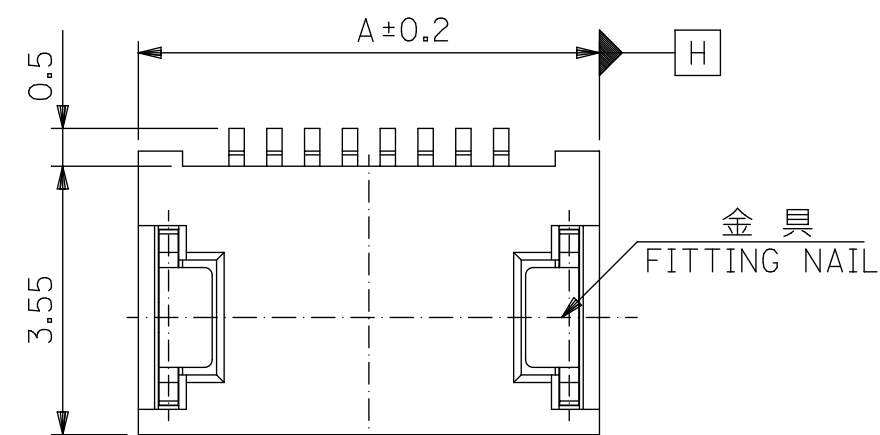
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex					
mm		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				0.5 FPC CONN NON-ZIF (HGT=1.2MM) EMBSTP PKG									
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									
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	

FORMAT: master-db-prod-A3 REVISION: J1 DATE: 2024-05-01	9	8	7	6	5	4	3	2	1
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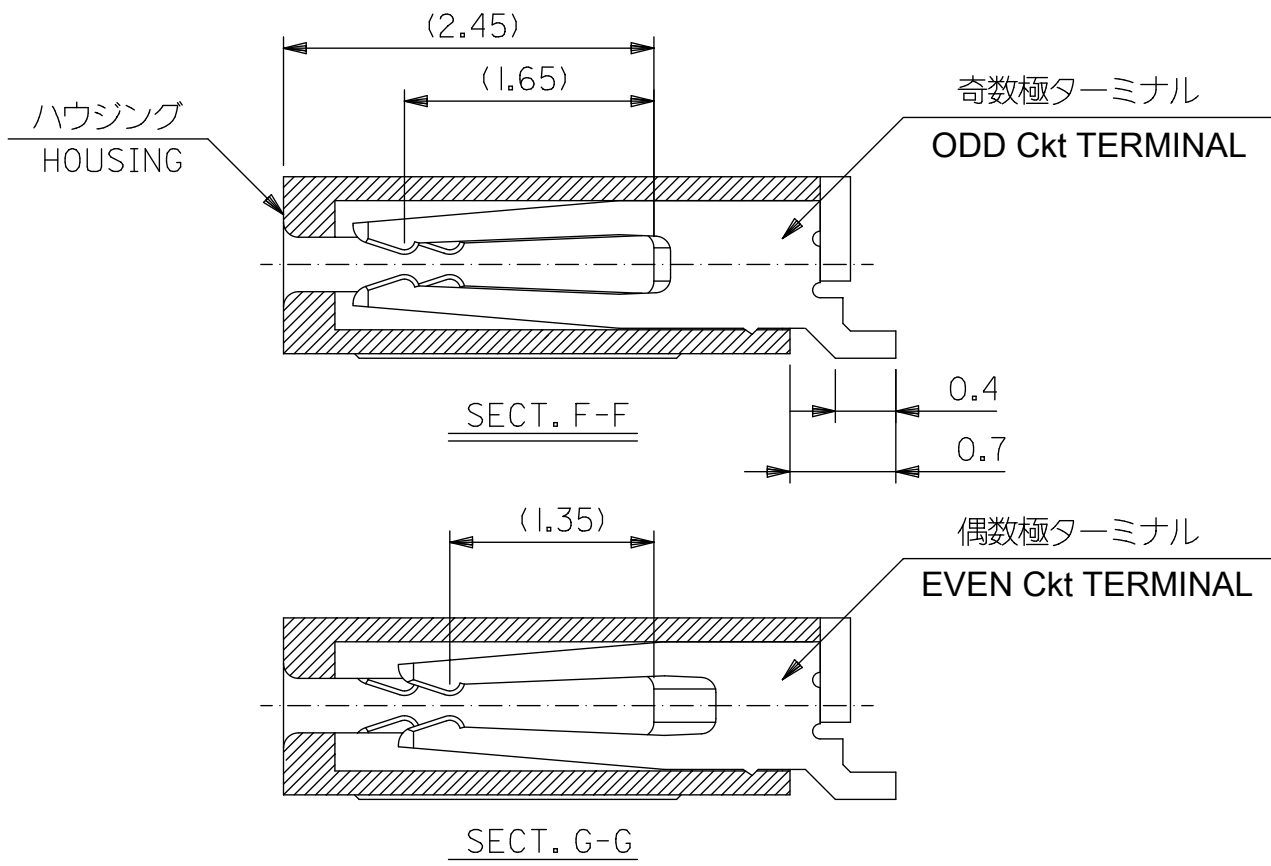


24	29.4	25.4	12.3	14.3	51281-2498	24
			11.3	13.3	51281-2298	22
			10.3	12.3	51281-2098	20
			9.3	11.3	51281-1898	18
			8.3	10.3	51281-1698	16
			7.3	9.3	51281-1498	14
			6.3	8.3	51281-1298	12
			5.8	7.8	51281-1198	11
			5.3	7.3	51281-1098	10
			4.8	6.8	51281-0998	9
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)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

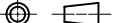
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC:		molex									
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)						0.5 FPC CONN NON-ZIF (HGT=1.2MM) EMBSTP PKG									
ANGULAR TOL ± 3.0 °						PRODUCT CUSTOMER DRAWING									
4 PLACES		± 0.2													
3 PLACES		± 0.2													
2 PLACES		± 0.2		EC NO: 708402 DRWN: NARENC CHK'D: SMARUYAMA APPR: YNAITO 2022/05/27 2022/05/30 2022/05/30		DOCUMENT NUMBER 512810000-SD				DOC TYPE PSD		DOC PART 000		REVISION A	
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		3 OF 4	

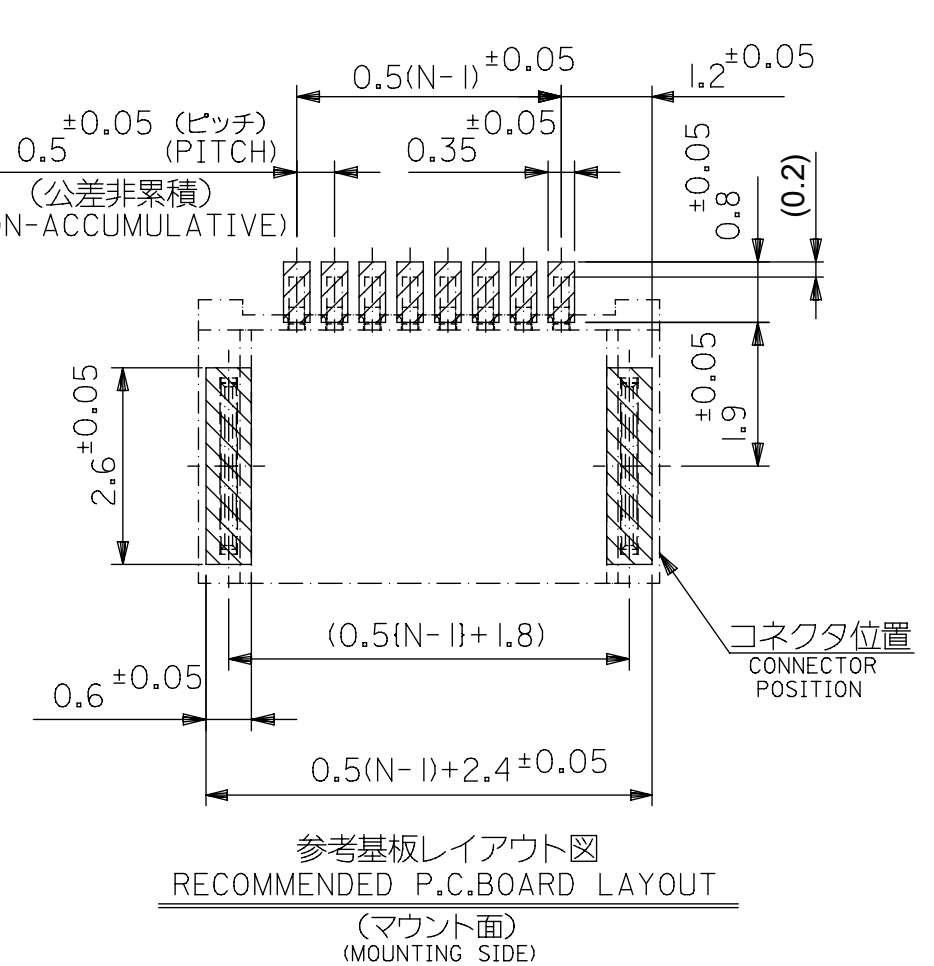
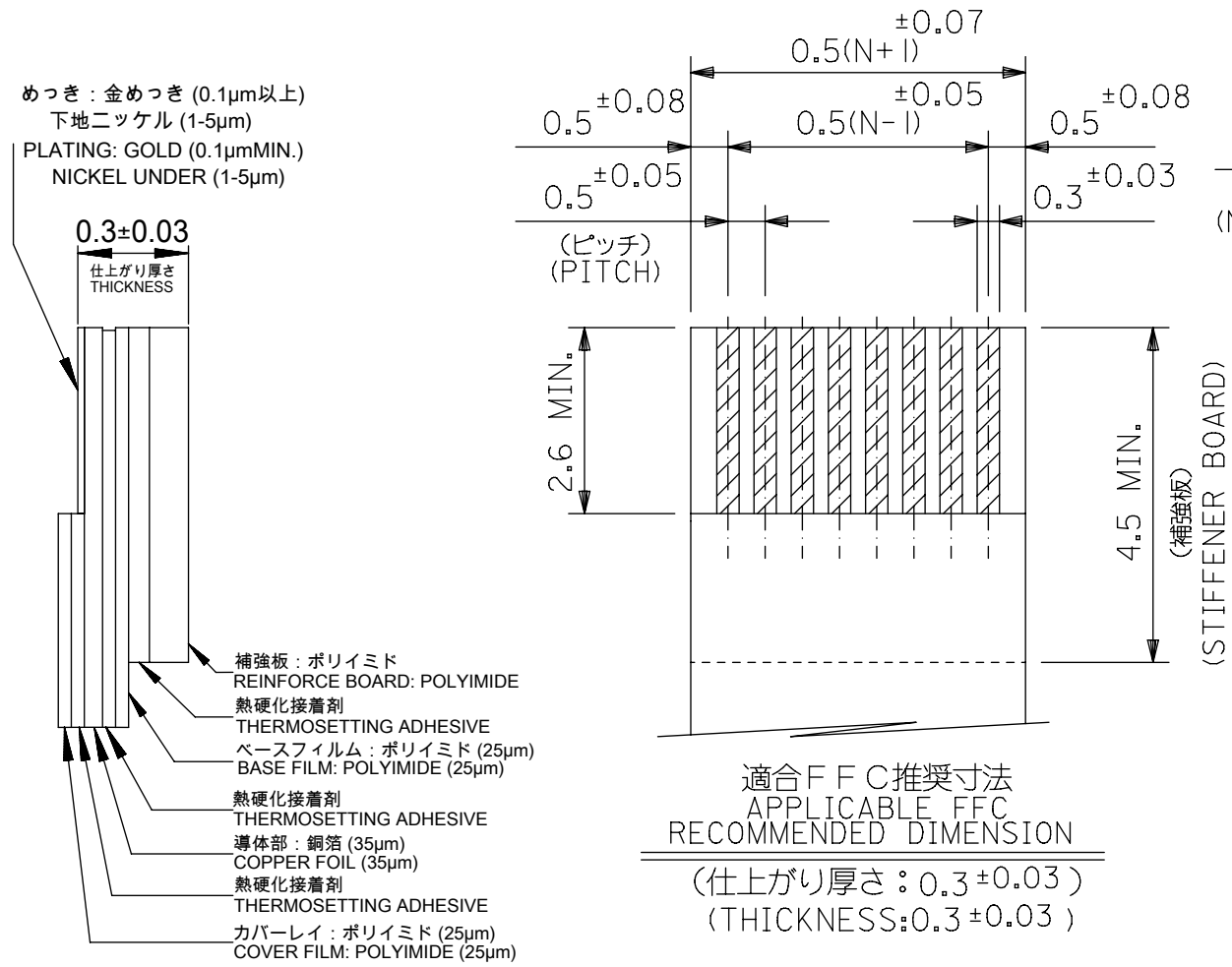
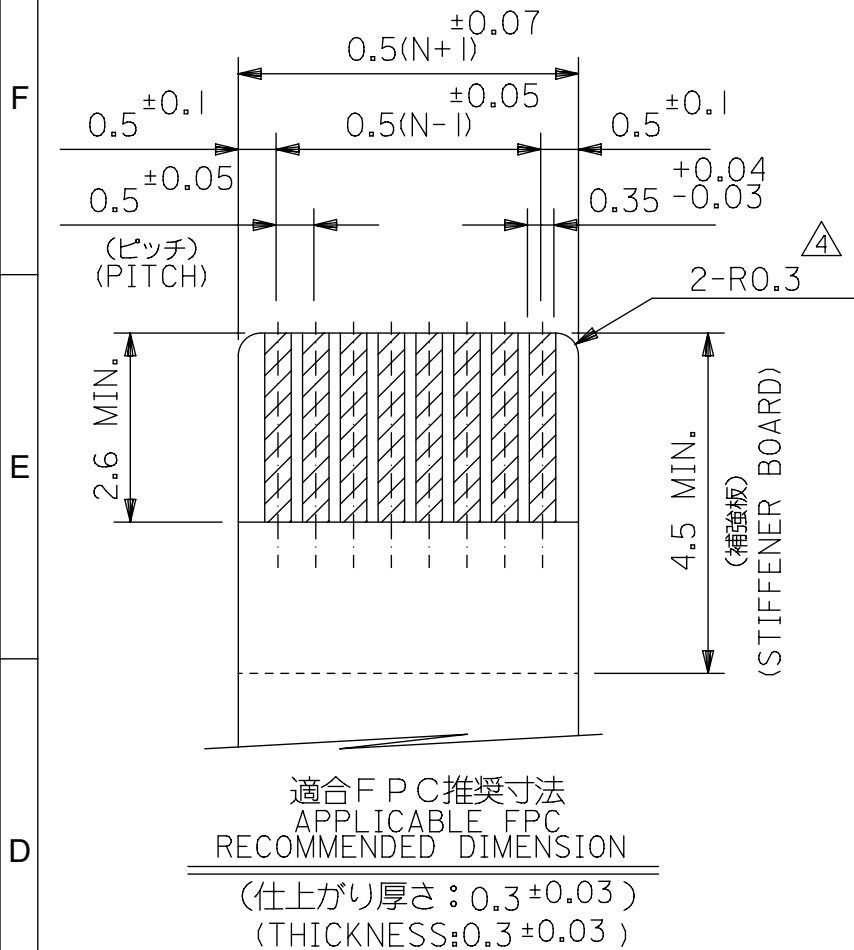


ISO VIEW (参考)



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							
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				PRODUCT CUSTOMER DRAWING							
3 PLACES		± 0.2		DRWN: NARENC 2022/05/27											
2 PLACES		± 0.2		CHK'D: SMARUYAMA 2022/05/30											
1 PLACE		± 0.2		APPR: YNAITO 2022/05/30				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		51281		SEE TABLE		GENERAL MARKET		1 OF 2	



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

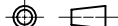
GOLD PLATING : 0.1 μm MIN. (ELECTRICAL PLATING)

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			PRODUCT CUSTOMER DRAWING				
3 PLACES		± 0.2		DRWN: NARENC 2022/05/27							
2 PLACES		± 0.2		CHK'D: SMARUYAMA 2022/05/30							
1 PLACE		± 0.2		APPR: YNAITO 2022/05/30			DOCUMENT NUMBER 512811000-SD				
0 PLACES		± 0.2		INITIAL REVISION: DRWN: NARENC 2022/05/17 APPR: YNAITO 2022/05/30						DOC TYPE PSD	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		DOC PART 000		REVISION A	
						A3-SIZE		SHEET NUMBER 51281		SHEET NUMBER 2 OF 2	
						MATERIAL NUMBER		CUSTOMER			
						SEE SHEET 1		GENERAL MARKET			