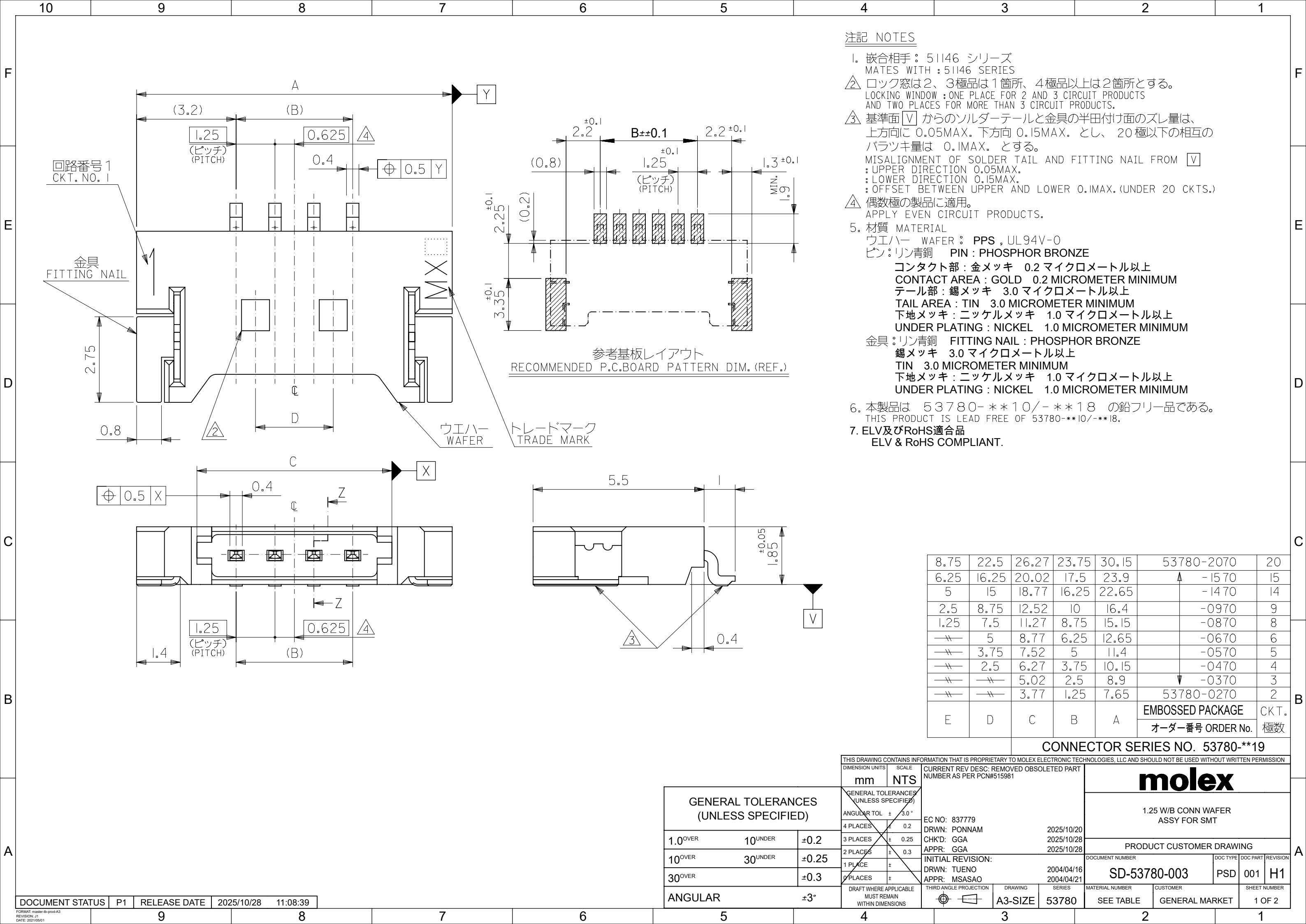




注記 NOTES

1. 嵌合相手 : 51146 シリーズ
MATES WITH : 51146 SERIES
2. ロック窓は2、3極品は1箇所、4極品以上は2箇所とする。
LOCKING WINDOW : ONE PLACE FOR 2 AND 3 CIRCUIT PRODUCTS
AND TWO PLACES FOR MORE THAN 3 CIRCUIT PRODUCTS.
3. 基準面 V からのソルダーテールと金具の半田付け面のズレ量は、
上方向に 0.05MAX. 下方向 0.15MAX. とし、20 極以下の相互の
バラツキ量は 0.1MAX. とする。
MISALIGNMENT OF SOLDER TAIL AND FITTING NAIL FROM V
: UPPER DIRECTION 0.05MAX.
: LOWER DIRECTION 0.15MAX.
: OFFSET BETWEEN UPPER AND LOWER 0.1MAX. (UNDER 20 CKTS.)
4. 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.
5. 材質 MATERIAL
ウエハー WAFER : PPS , UL94V-0
ピン: リン青銅 PIN : PHOSPHOR BRONZE
コンタクト部: 金メッキ 0.2 マイクロメートル以上
CONTACT AREA : GOLD 0.2 MICROMETER MINIMUM
テール部: 錫メッキ 3.0 マイクロメートル以上
TAIL AREA : TIN 3.0 MICROMETER MINIMUM
下地メッキ: ニッケルメッキ 1.0 マイクロメートル以上
UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
金具: リン青銅 FITTING NAIL : PHOSPHOR BRONZE
錫メッキ 3.0 マイクロメートル以上
TIN 3.0 MICROMETER MINIMUM
下地メッキ: ニッケルメッキ 1.0 マイクロメートル以上
UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
6. 本製品は 53780-**10/-**18 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53780-**10/-**18.
7. ELV及びRoHS適合品
ELV & RoHS COMPLIANT.

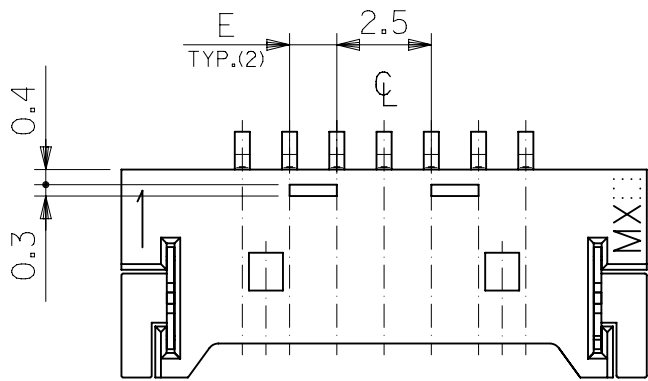
8.75	22.5	26.27	23.75	30.15	53780-2070	20
6.25	16.25	20.02	17.5	23.9	↑ -1570	15
5	15	18.77	16.25	22.65	↑ -1470	14
2.5	8.75	12.52	10	16.4	↑ -0970	9
1.25	7.5	11.27	8.75	15.15	↑ -0870	8
—	5	8.77	6.25	12.65	↑ -0670	6
—	3.75	7.52	5	11.4	↑ -0570	5
—	2.5	6.27	3.75	10.15	↑ -0470	4
—	—	5.02	2.5	8.9	↑ -0370	3
—	—	3.77	1.25	7.65	53780-0270	2
E	D	C	B	A	EMBOSSED PACKAGE	CKT.
オーダー番号 ORDER No.					極数	

CONNECTOR SERIES NO. 53780-**19

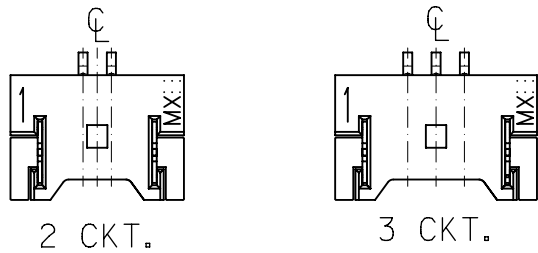
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#515981				molex 1.25 W/B CONN WAFER ASSY FOR SMT	
mm		NTS		PRODUCT CUSTOMER DRAWING					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3.0 °		EC NO: 837779				DOCUMENT NUMBER SD-53780-003			
4 PLACES ± 0.2		DRWN: PONNAM 2025/10/20							
3 PLACES ± 0.25		CHK'D: GGA 2025/10/28							
2 PLACES ± 0.3		APPR: GGA 2025/10/28				DOC TYPE		DOC PART	REVISION
1 PLACE ±		INITIAL REVISION:				PSD		001	H1
0 PLACES ±		DRWN: TUENO 2004/04/16				MATERIAL NUMBER SEE TABLE			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: MSASAO 2004/04/21							
THIRD ANGLE PROJECTION		DRAWING		SERIES		CUSTOMER		SHEET NUMBER	
		A3-SIZE		53780		GENERAL MARKET		1 OF 2	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
1.0 ^{OVER}	10 ^{UNDER}	±0.2
10 ^{OVER}	30 ^{UNDER}	±0.25
30 ^{OVER}		±0.3
ANGULAR		±3°

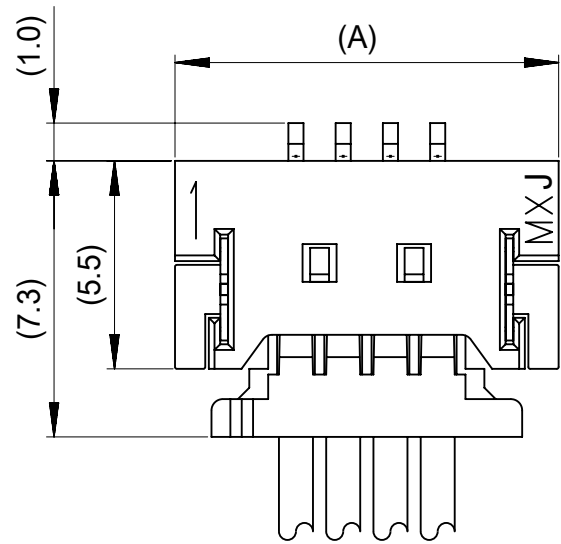
DOCUMENT STATUS	P1	RELEASE DATE	2025/10/28	11:08:39
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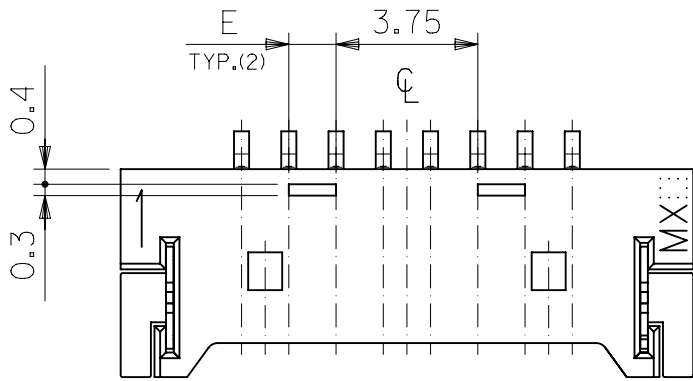
7～19 極の奇数極に適用
APPLY FOR ODD CIRCUITS OF 7～19



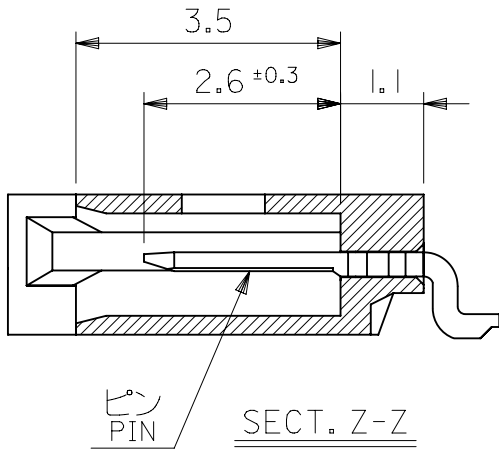
ロック形状図
LOCK CONFIGURATION



嵌合図 (SCALE 5:1)
MATED CONNECTORS (SCALE 5:1)



8～30 極の偶数極に適用
APPLY FOR EVEN CIRCUITS OF 8～30



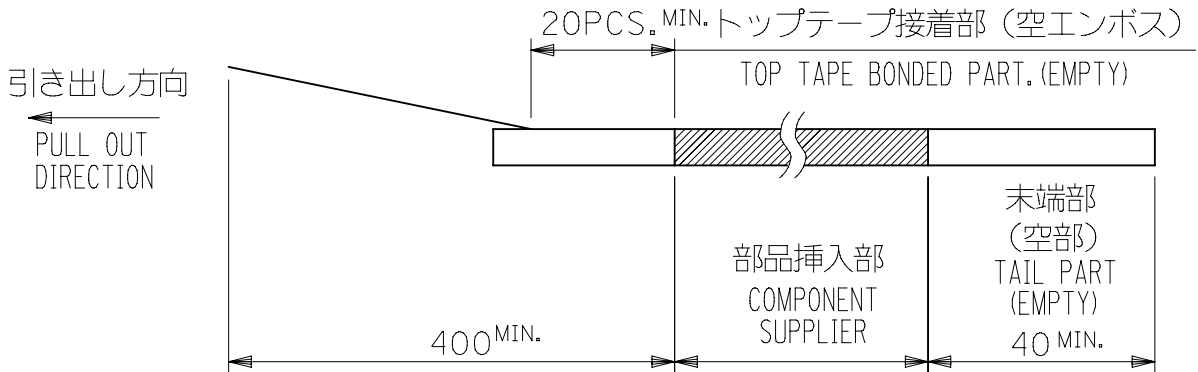
GENERAL TOLERANCES (UNLESS SPECIFIED)		
1.0 ^{OVER}	10 ^{UNDER}	±0.2
10 ^{OVER}	30 ^{UNDER}	±0.25
30 ^{OVER}		±0.3
ANGULAR		±3°

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 NUMBER AS PER PCN#515981				molex 1.25 W/B CONN WAFER ASSY FOR SMT							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0° 4 PLACES ± 0.2 3 PLACES ± 0.25 2 PLACES ± 0.3 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				EC NO: 837779											
				DRWN: PONNAM				2025/10/20							
				CHK'D: GGA				2025/10/28							
				APPR: GGA				2025/10/28							
				INITIAL REVISION:											
				DRWN: TUENO				2004/04/16							
APPR: MSASAO				2004/04/21											
THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A3-SIZE		53780		SD-53780-003		PSD		001		H1	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
								SEE TABLE		GENERAL MARKET				2 OF 2	

CONNECTOR SERIES NO. 53780-**19			
molex			
1.25 W/B CONN WAFER ASSY FOR SMT			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER		DOC TYPE	DOC PART
SD-53780-003		PSD	001
REVISION		H1	

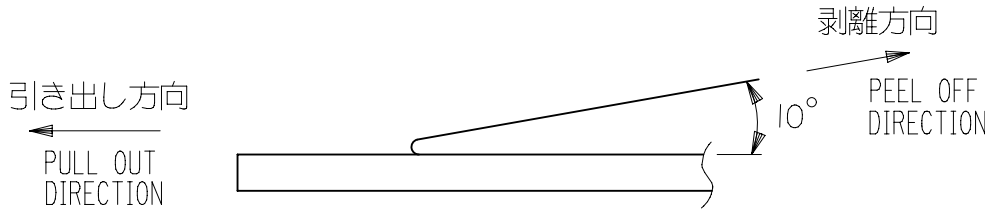
NOTES

1. 梱包数量：1500個／リール
NUMBER OF CONNECTORS：1500PCS／REEL
2. リードテープ長さ LEAD TAPE LENGTH



3. 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)

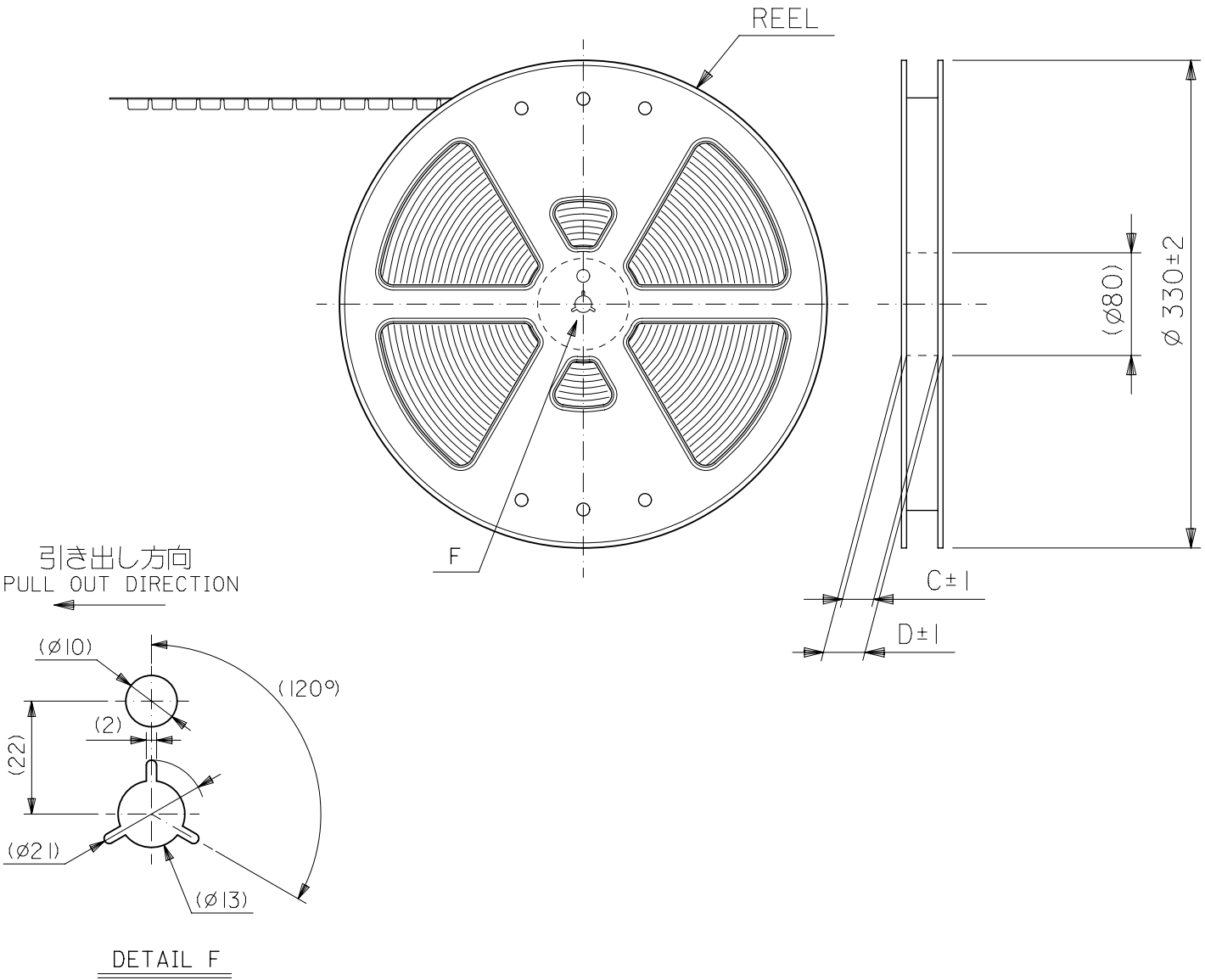
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE：0.1N ～ 1.3N(10gf ～ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



4. 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) <リサイクル材を含む>
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>

5. 本製品は 53780- **90/- **80 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53780- **90/- **80.

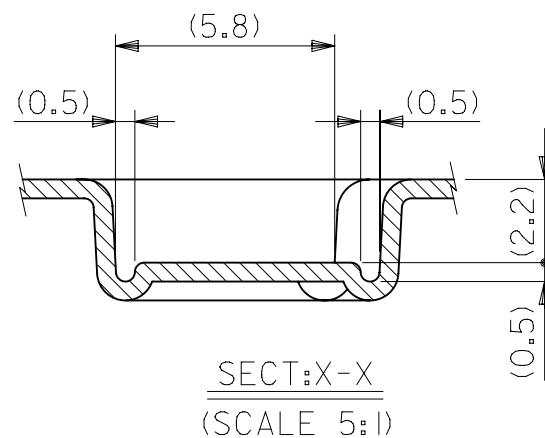
6. ELV及びRoHS適合品
ELV & RoHS COMPLIANT



MODEL NO. 53780- **70

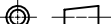
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
				DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#510806			
				mm		NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)				GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0 ° 4 PLACES ± 0.2 3 PLACES ± 0.25 2 PLACES ± 0.3 1 PLACE ± 0 PLACES ±		EC NO: 733771 DRWN: ANIKES1 CHK'D: GGA APPR: GGA		1.25 W/B WAFER ASSY EMBOSSSED TAPE PACKAGE			
10 ^{UNDER}		±0.2						PRODUCT CUSTOMER DRAWING			
10 ^{OVER}		30 ^{UNDER} ±0.25									
30 ^{OVER}		±0.3									
ANGULAR ±3°				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING		SERIES	
								A3-SIZE		53780	
								MATERIAL NUMBER		CUSTOMER	
								SEE TABLE		GENERAL MARKET	
										SHEET NUMBER	
										1 OF 3	

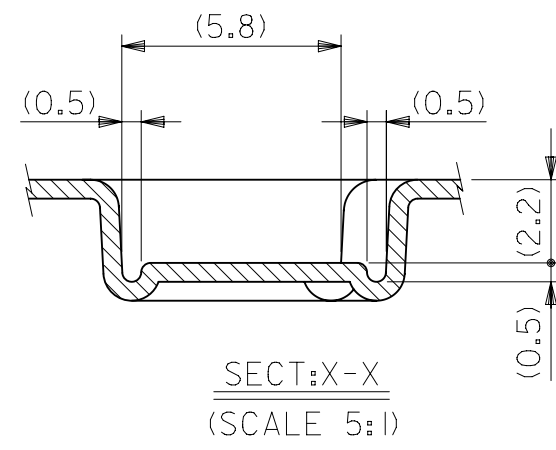
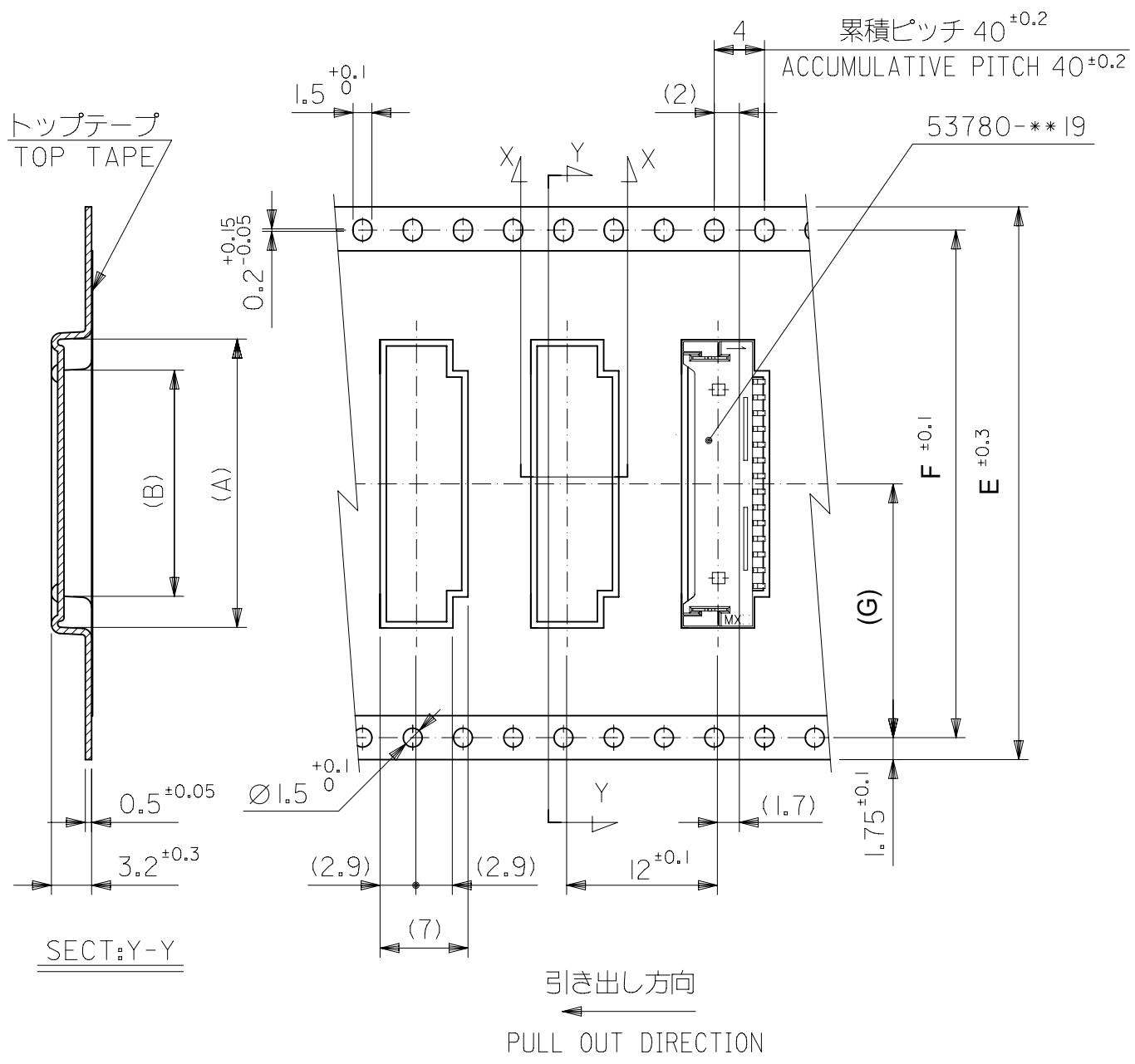
DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24	12:54:53
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11.5	24	29.4	25.4	11.75	16.7	53780-0970	9
				10.5	15.45	53780-0870	8
				9.25	14.2	53780-0770	7
				8	12.95	53780-0670	6
				6.75	11.7	53780-0570	5
				5.5	10.45	53780-0470	4
7.5	16	21.4	17.4	4.25	9.2	53780-0370	3
				3	7.95	53780-0270	2
(F)	E キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
				MODEL NO.	53780-**70		

GENERAL TOLERANCES (UNLESS SPECIFIED)		
1.0 ^{OVER}	10 ^{UNDER}	±0.2
10 ^{OVER}	30 ^{UNDER}	±0.25
30 ^{OVER}		±0.3
ANGULAR		±3°

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#510806		molex											
mm		NTS															
GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0° 4 PLACES ± 0.2 3 PLACES ± 0.25 2 PLACES ± 0.3 1 PLACE ± 0 PLACES ±		EC NO: 733771		2023/01/18		1.25 W/B WAFER ASSY EMBOSSD TAPE PACKAGE											
		DRWN: ANIKES1		2023/01/18													
		CHK'D: GGA		2023/02/24													
		3 PLACES ± 0.25		APPR: GGA		2023/02/24		PRODUCT CUSTOMER DRAWING									
		2 PLACES ± 0.3		INITIAL REVISION:		DOCUMENT NUMBER						DOC TYPE		DOC PART		REVISION	
		1 PLACE ±		DRWN: TUENO		SD-53780-004						PSD		001		C	
0 PLACES ±		APPR: MSASAO		2004/04/16 2004/04/21		SHEET NUMBER		2 OF 3									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 53780		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 3					



20.2	40.4	44	49.4	45.4	25.5	30.45	53780-2070	20
					19.25	24.2	53780-1570	15
					18	22.95	53780-1470	14
(G)	F	E キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
					MODEL NO.		53780-***70	

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

1.0 ^{OVER}	10 ^{UNDER}	±0.2
10 ^{OVER}	30 ^{UNDER}	±0.25
30 ^{OVER}		±0.3

ANGULAR ±3°

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0°
4 PLACES	± 0.2
3 PLACES	± 0.25
2 PLACES	± 0.3
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#510806

EC NO: 733771
DRWN: ANIKES1
CHK'D: GGA
APPR: GGA
INITIAL REVISION:
DRWN: TUENO
APPR: MSASAO

2023/01/18
2023/02/24
2023/02/24
2004/04/16
2004/04/21

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
53780

MATERIAL NUMBER
SEE TABLE

CUSTOMER
GENERAL MARKET

SHEET NUMBER
3 OF 3

molex

1.25 W/B WAFER ASSY
EMBOSSSED TAPE PACKAGE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
SD-53780-004

DOC TYPE
PSD

DOC PART
001

REVISION
C