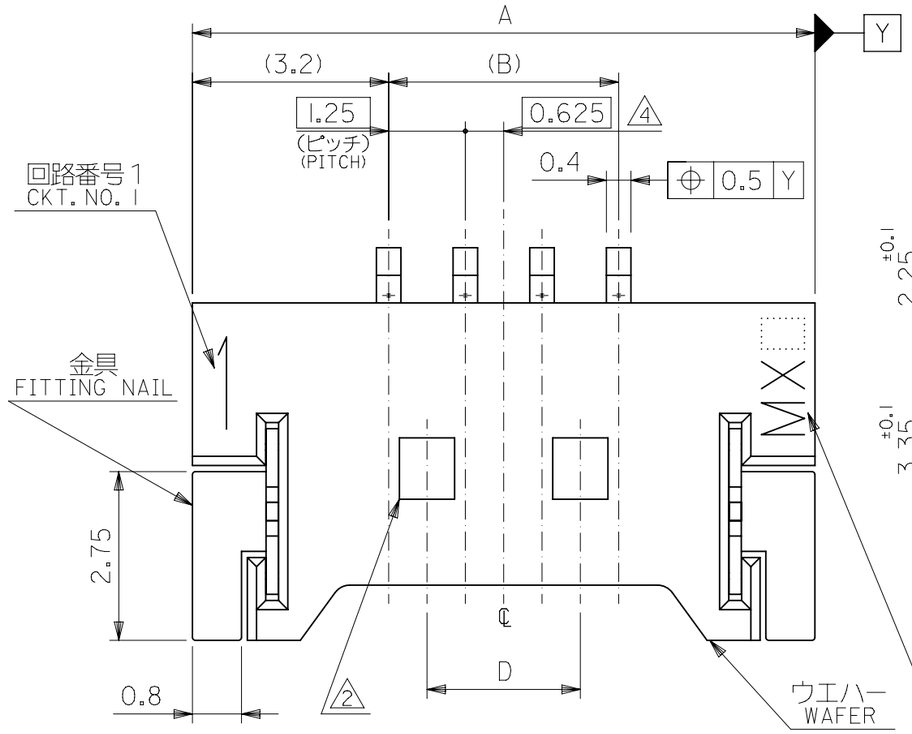
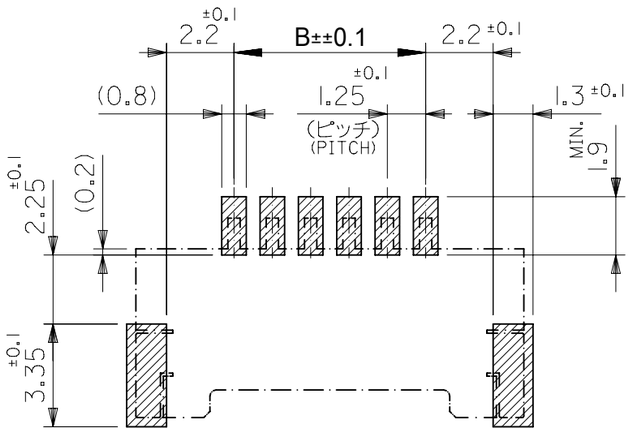
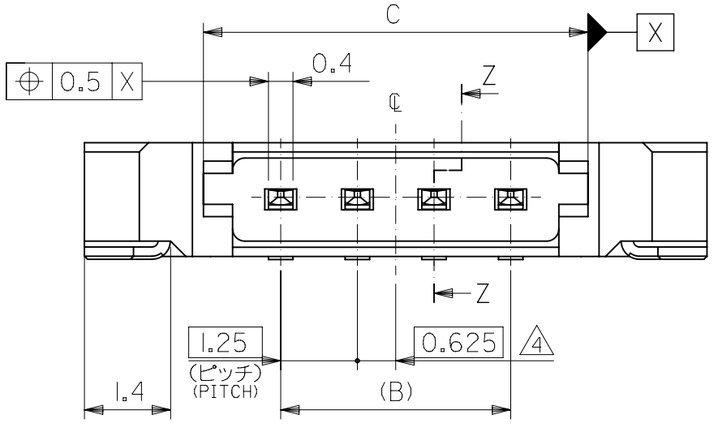
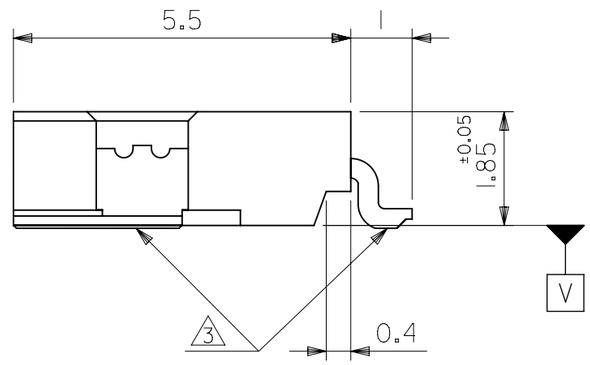




参考基板レイアウト
RECOMMENDED P.C.BOARD PATTERN DIM.(REF.)





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.

E	D	C	B	A	EMBOSSED PACKAGE / オーダー番号 ORDER No.	CKT. / 極数
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	10	13.77	11.25	17.65	-1070	10
2.5	8.75	12.52	10	16.4	-0970	9
1.25	7.5	11.27	8.75	15.15	-0870	8
1.25	6.25	10.02	7.5	13.9	-0770	7
〃	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

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

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

DIMENSION UNITS: mm
SCALE: NTS
THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 53780

CURRENT REV DESC: OBSOLETED PART NUMBERS AS PER PCN#510806

EC NO: 733771
DRWN: ANIKES1 2023/01/18
CHK'D: GGA 2023/02/24
APPR: GGA 2023/02/24

INITIAL REVISION:
DRWN: TUENO 2004/04/16
APPR: MSASAO 2004/04/21

molex

1.25 W/B CONN WAFER ASSY FOR SMT

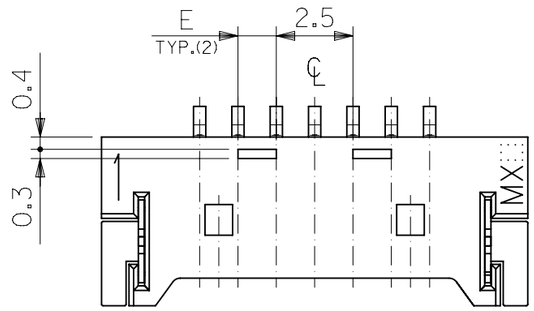
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-53780-003	PSD	001	H

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

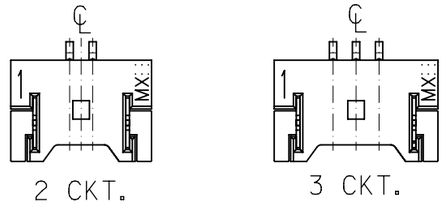
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FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01



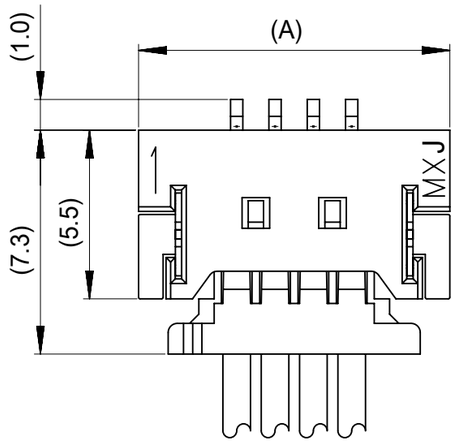
7～19極の奇数極に適用

APPLY FOR ODD CIRCUITS OF 7～19



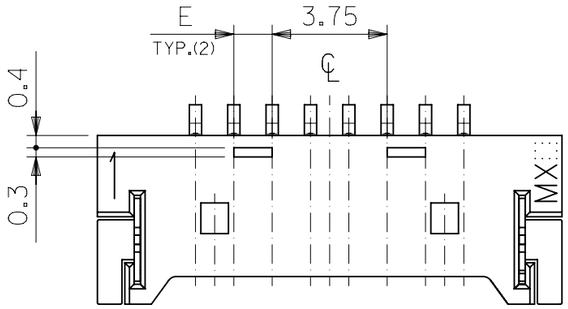
ロック形状図

LOCK CONFIGURATION



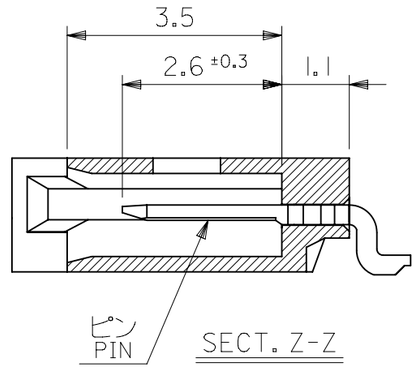
嵌合図 (SCALE 5:1)

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°

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

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
mm	NTS

CURRENT REV DESC: OBSOLETED PART NUMBERS AS PER PCN#510806

EC NO: 733771

DRWN:	ANIKES1	2023/01/18
CHK'D:	GGA	2023/02/24
APPR:	GGA	2023/02/24

INITIAL REVISION:

DRWN:	TUENO	2004/04/16
APPR:	MSASAO	2004/04/21

molex

1.25 W/B CONN WAFER ASSY FOR SMT

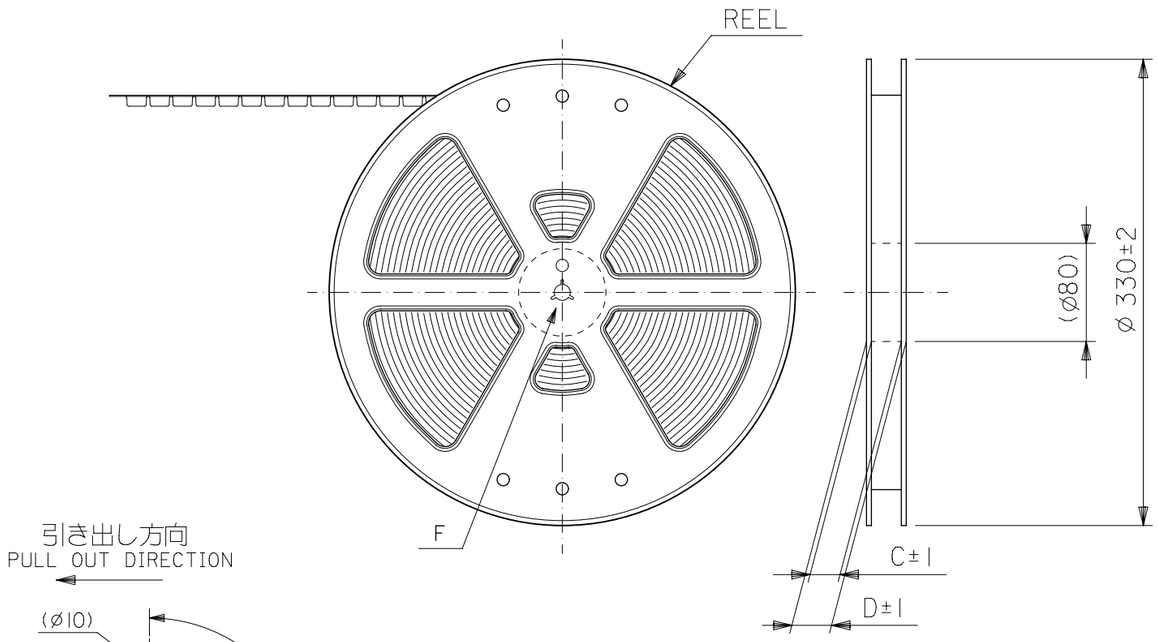
PRODUCT CUSTOMER DRAWING

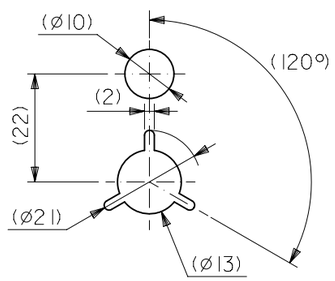
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SD-53780-003	PSD	001	H

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	53780	SEE TABLE	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24 12:54:52

FORMAT: master-llb-prod-A3
REVISION: J1
DATE: 2021/05/01

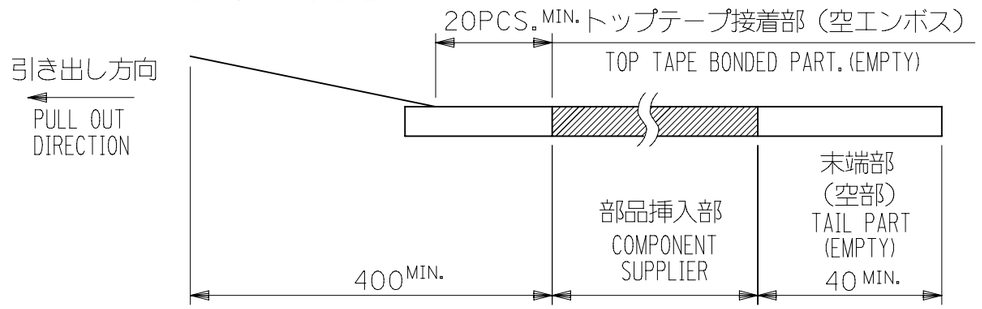




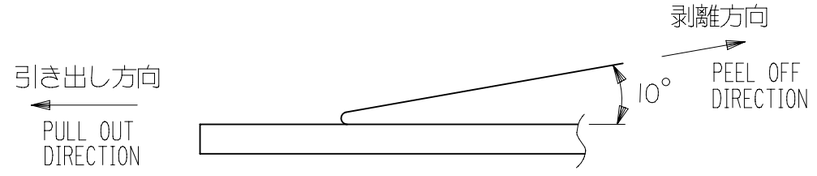
DETAIL F

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

GENERAL TOLERANCES (UNLESS SPECIFIED)	
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

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
mm	NTS

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

EC NO:	733771	
DRWN:	ANIKES1	2023/01/18
CHK'D:	GGA	2023/02/24
APPR:	GGA	2023/02/24
INITIAL REVISION:		
DRWN:	TUENO	2004/04/16
APPR:	MSASAO	2004/04/21

molex

1.25 W/B WAFER ASSY
EMBOSSED TAPE PACKAGE

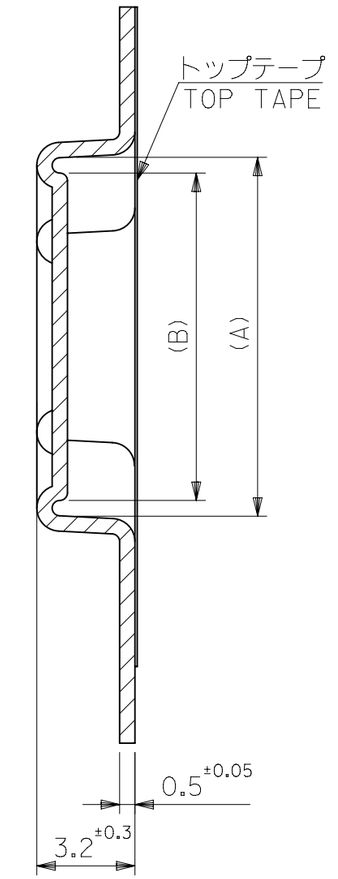
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-53780-004	PSD	001	C

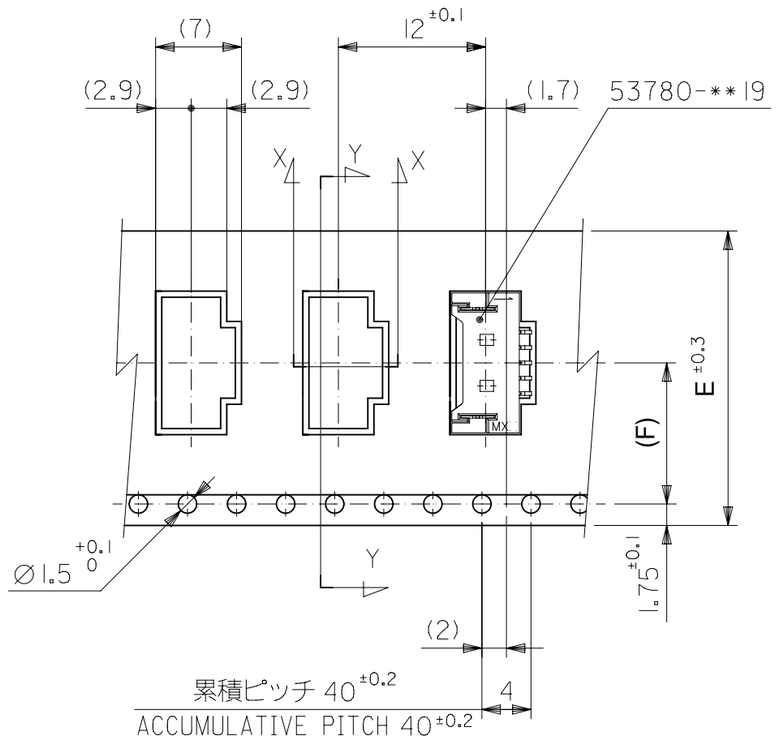
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	53780	SEE TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24 12:54:53

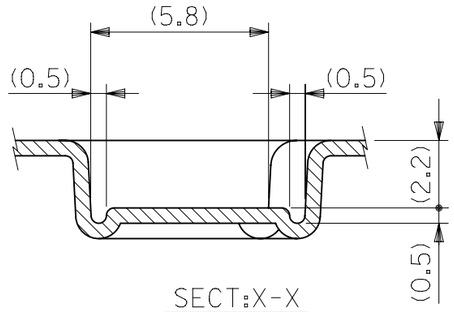
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01



SECT:Y-Y
(SCALE 5:1)



引き出し方向
PULL OUT DIRECTION



SECT:X-X
(SCALE 5:1)

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	

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

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

DIMENSION UNITS	SCALE
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

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

EC NO: 733771
DRWN: ANIKES1 2023/01/18
CHK'D: GGA 2023/02/24
APPR: GGA 2023/02/24

INITIAL REVISION:
DRWN: TUENO 2004/04/16
APPR: MSASAO 2004/04/21

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 53780

molex

1.25 W/B WAFER ASSY
EMBOSSED TAPE PACKAGE

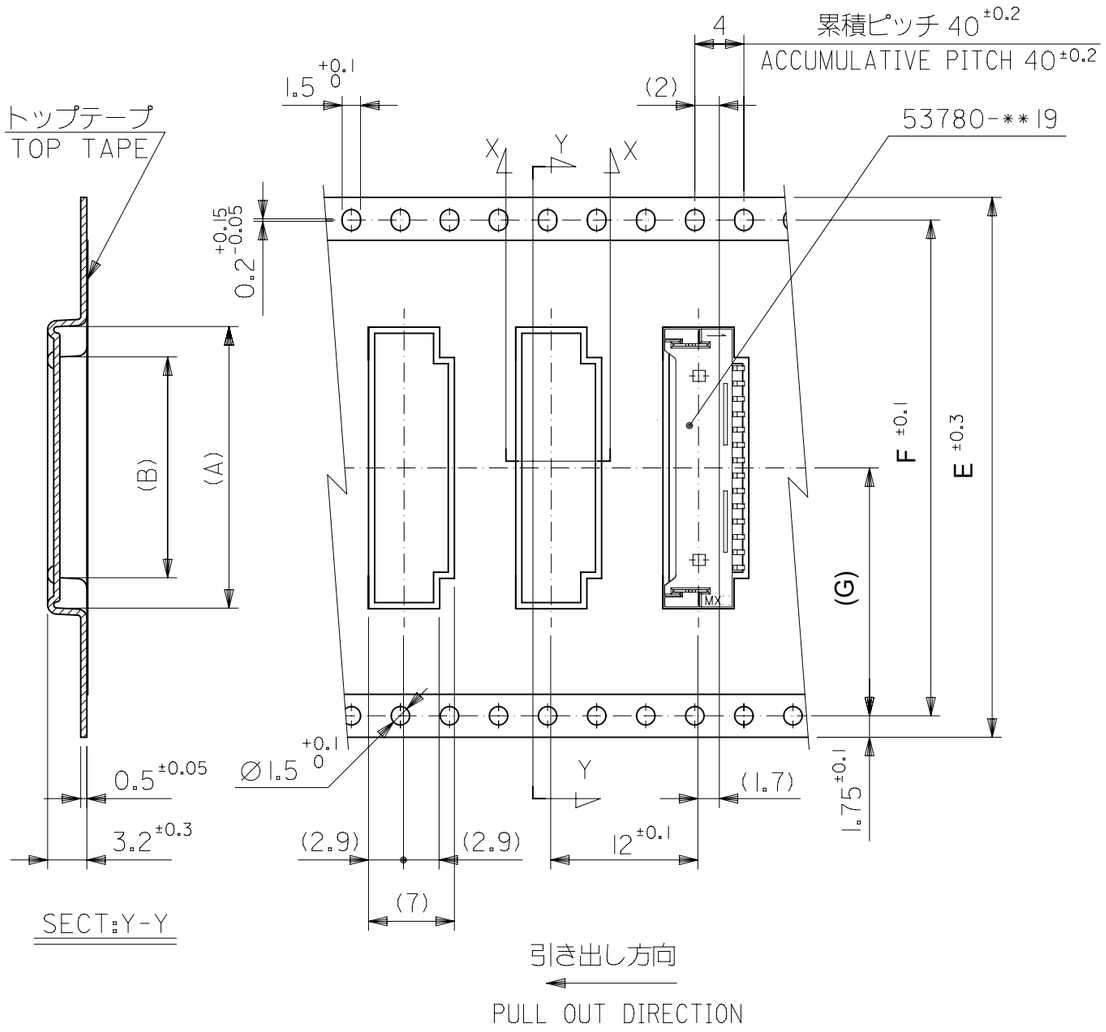
PRODUCT CUSTOMER DRAWING

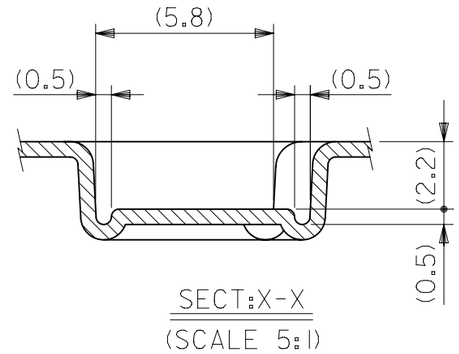
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-53780-004	PSD	001	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24 12:54:53

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01





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	

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
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

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

EC NO: 733771
DRWN: ANIKES1 2023/01/18
CHK'D: GGA 2023/02/24
APPR: GGA 2023/02/24

INITIAL REVISION:
DRWN: TUENO 2004/04/16
APPR: MSASAO 2004/04/21

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 53780

molex

1.25 W/B WAFER ASSY
EMBOSSED TAPE PACKAGE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-53780-004	PSD	001	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24 12:54:53

FORMAT: master-ib-prod-A3
REVISION: J1
DATE: 2021/05/01