

10

9

8

7

6

5

4

3

2

1

注記 NOTES

1. 嵌合相手 : 51146 シリーズ
MATES WITH : 51146 SERIES
- △ 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.
- △ 基準面 ∇ からのソルダーテールと金具の半田付け面のズレ量は、
上方方向に 0.05MAX. 下方方向 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 ∇
: UPPER DIRECTION 0.05MAX.
: LOWER DIRECTION 0.15MAX.
: OFFSET BETWEEN UPPER AND LOWER 0.1MAX. (UNDER 20 CKTS.)
- △ 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.
5. 材質 MATERIAL
ウェハー 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: 銅メッキ 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
銅メッキ 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.

参考基板レイアウト
RECOMMENDED P.C.BOARD PATTERN DIM. (REF.)トレードマーク
TRADE MARK

8.75	22.5	26.27	23.75	30.15	53780-2070	20
7.5	20	23.77	21.25	27.65	-1870	18
6.25	16.25	20.02	17.5	23.9	-1570	15
5	15	18.77	16.25	22.65	-1470	14
3.75	12.5	16.27	13.75	20.15	-1270	12
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
E	D	C	B	A	EMBOSSD PACKAGE	CKT.
					オーダー番号 ORDER No.	極数

CONNECTOR SERIES NO. 53780-**-**19

SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION

1.25 W/B CONN WAFER
ASSY FOR SMT

molex

SEE CHART

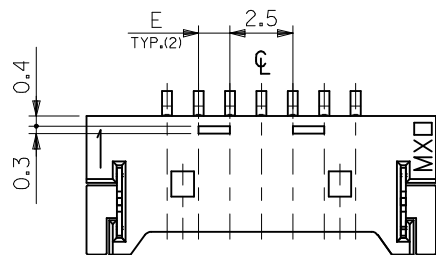
SD-53780-003

SHEET NO.

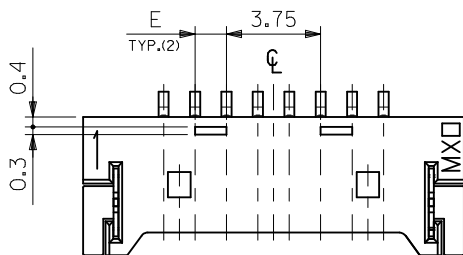
1 OF 2

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

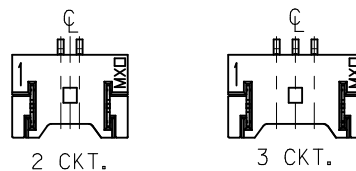
回路番号 1
CKT. NO. 1金具
FITTING NAILウェハー
WAFER



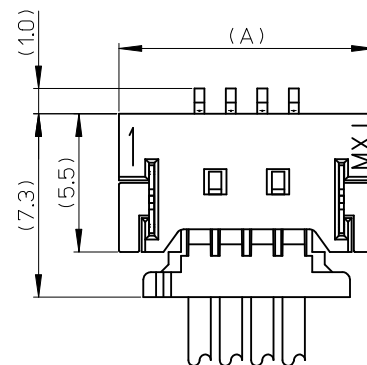
7~19極の奇数極に適用
APPLY FOR ODD CIRCUITS OF 7~19



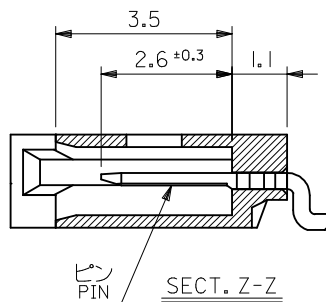
8~30 極の偶数極に適用
APPLY FOR EVEN CIRCUITS OF 8~30



ロック形状図
LOCK CONFIGURATION



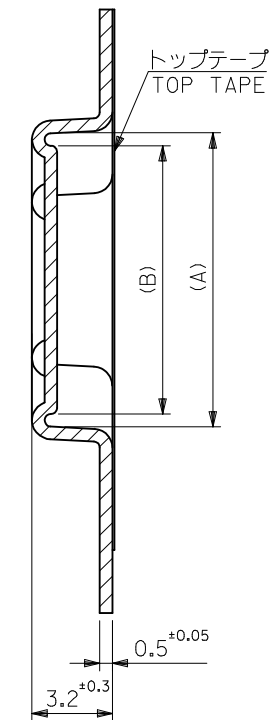
嵌合図 (SCALE 5:1)
MATED CONNECTORS (SCALE 5:1)



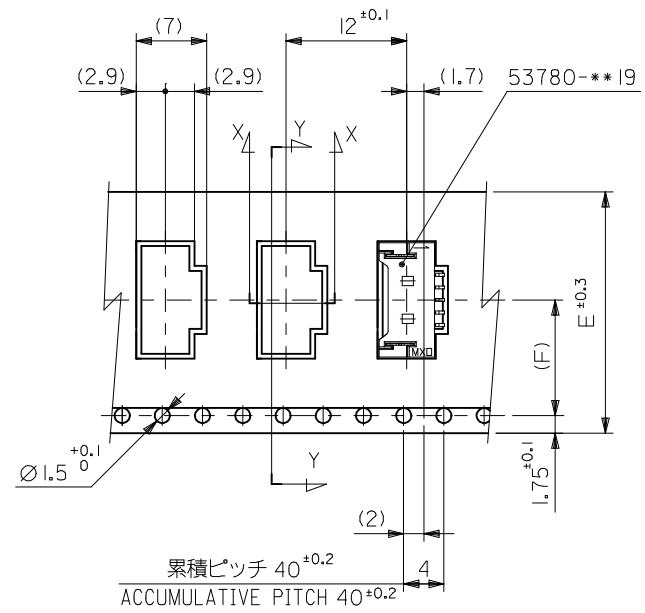
SECT. Z-Z

REVISED EC NO: J2018-0015 DRAWN: MKN02 CHKD: APPR: GGA		2017/07/06		2017/07/19		CONNECTOR SERIES NO. 53780-**-19	
		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	
		0.25 UNDER		±0.03		DRAWN BY T. UENO	
		0.25 OVER		±0.05		DATE '04/04/15	
		0.5 UNDER		±0.04		CHECKED BY M. SASAO	
		1.0 UNDER		±0.2		DATE '04/04/15	
		10 UNDER		±0.25		APPROVED BY M. SASAO	
		30 OVER		±0.3		DATE '04/04/15	
		ANGULAR		±3 °		MATERIAL NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		SIZE A3					

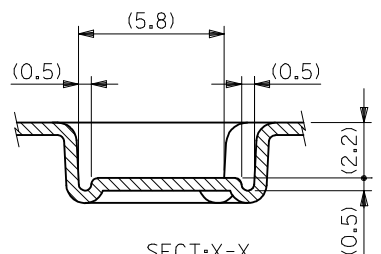
SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
1.25 W/B CONN WAFER ASSY FOR SMT		
molex		
DOCUMENT NO. SD-53780-003		SHEET NO. 2 OF 2



SECT:Y-Y
(SCALE 5:1)



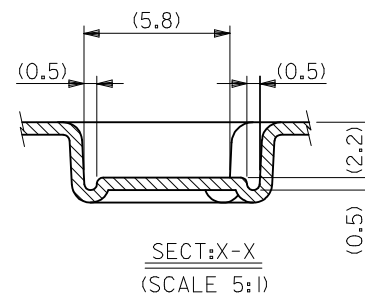
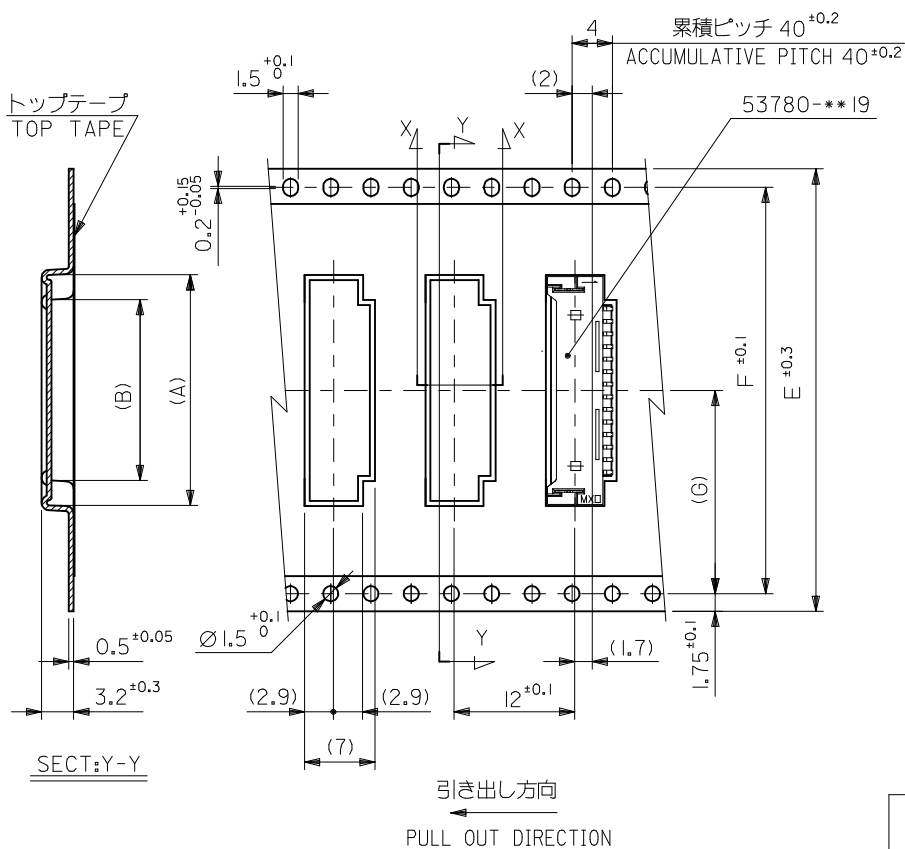
引き出し方向
PULL OUT DIRECTION



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
7.5	16	21.4	17.4	5.5	10.45	53780-0470	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

REVISED EC NO: J2018-0015 DRAWN: KNO2 CHKD: APPR: GGA	DESCRIPTION 2017/07/06 2017/07/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	MODEL NO. DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		0.25 UNDER	±0.03	DRAWN BY	DATE	TITLE 1.25 W/B WAFER ASSY EMBOSSED TAPE PACKAGE				
		0.25 OVER	±0.05	T. UENO	'04/04/15					
		0.5 UNDER	±0.1	CHECKED BY	DATE	molex				
		0.5 OVER	±0.1	M. SASAO	'04/04/15					
		1.0 UNDER	±0.2	APPROVED BY	DATE	SEE CHART				
		1.0 OVER	±0.25	M. SASAO	'04/04/15					
		10 UNDER	±0.3	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
		30 OVER	±0.3	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		ANGULAR	±3 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						



20.2	40.4	44	49.4	45.4	25.5	30.45	53780-2070	20
					25.5	27.95	53780-1870	18
					19.25	24.2	53780-1570	15
					18	22.95	53780-1470	14
					15.5	20.45	53780-1270	12
14.2	28.4	32	37.4	33.4	13	17.95	53780-1070	10
(G)	F	E キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2018-0015 DRAWN:KNO2 CHKD: APPR:GGA	DESCRIPTION 2017/07/06 2017/07/19	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		0.25 UNDER	±0.03	0.5 UNDER	±0.05	DRAWN BY	DATE	TITLE 1.25 W/B WAFER ASSY EMBOSSED TAPE PACKAGE				
		0.25 OVER	±0.05	1.0 UNDER	±0.1	T.UENO	'04/04/15					
		0.5 OVER	±0.1	10 UNDER	±0.2	CHECKED BY	DATE					
		1.0 OVER	±0.2	30 UNDER	±0.25	M.SASAO	'04/04/15					
		10 OVER	30 UNDER	±0.2	APPROVED BY	DATE	molex					
		30 OVER	±0.25	M.SASAO	'04/04/15							
		ANGULAR	±3 °	MATERIAL NO.			DOCUMENT NO.			SHEET NO.		
					SEE CHART			SD-53780-004			3 OF 3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						