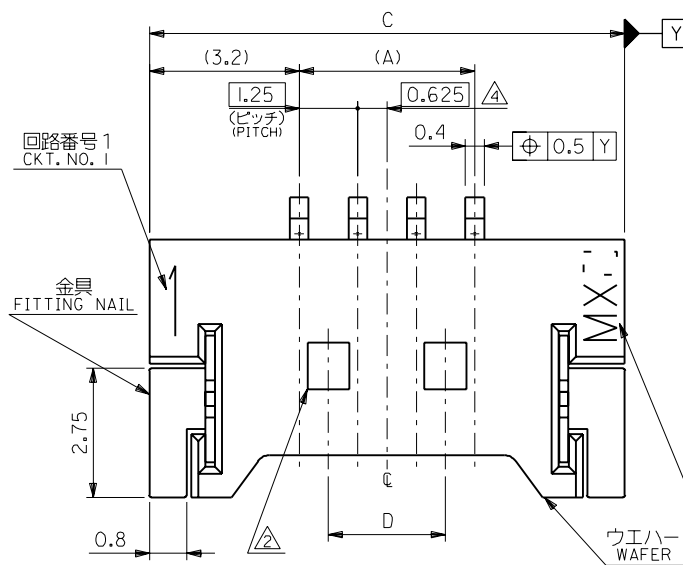
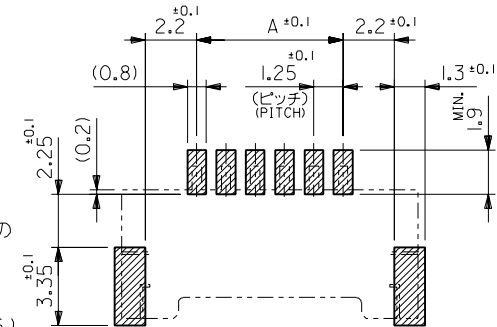
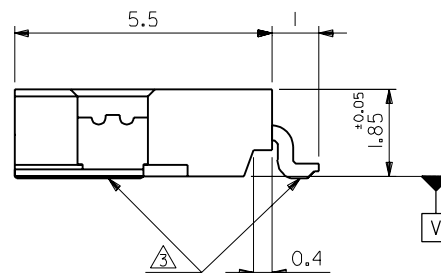




注記 NOTES

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 [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、
上方に 0.05MAX. 下方に 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.)
△ 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.
5. 材質 MATERIAL
ウエハー WAFER: PPHS, UL94V-0
ピン: リン青銅 (コンタクト部: 金メッキ、テール部: 半田メッキ)
PIN: PHOS-BRO (CONTACT: Au PLATING, TAIL: Sn-Pb PLATING)
金具: リン青銅 (半田メッキ)
FITTING NAIL: PHOS-BRO (Sn-Pb PLATING)

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

8.75	22.5	30.15	26.27	23.75	53780-2010	20
7.5	20	27.65	23.77	21.25	↑ -1810	18
6.25	17.5	25.15	21.27	18.75	↑ -1610	16
6.25	16.25	23.9	20.02	17.5	↑ -1510	15
5	15	22.65	18.77	16.25	↑ -1410	14
3.75	12.5	20.15	16.27	13.75	↑ -1210	12
2.5	10	17.65	13.77	11.25	↑ -1010	10
2.5	8.75	16.4	12.52	10	↑ -0910	9
1.25	7.5	15.15	11.27	8.75	↑ -0810	8
1.25	6.25	13.9	10.02	7.5	↑ -0710	7
—	5	12.65	8.77	6.25	↑ -0610	6
—	3.75	11.4	7.52	5	↑ -0510	5
—	2.5	10.15	6.27	3.75	↑ -0410	4
—	—	8.9	5.02	2.5	↑ -0310	3
—	—	7.65	3.77	1.25	↑ -0210	2
E	D	C	B	A	ENG. NO.	CKT. 極数

G	変更 REVISED	(JC2000-0862)	S.M.	T.Y	'00/6/21
F	変更 REVISED	(JC80823)	S.M.	S.K	'98/4/22
E	変更 REVISED	(JC70644)	S.M.	Y.M	'91/1/27
D	変更 REVISED	(JC70592)	S.M.	Y.M	'91/1/3
C	変更 REVISED	(JC70159)	S.M.	Y.M	'96/8/9
B	変更 REVISED	(JC60804)	S.M.	M.F	'96/5/1
A	変更 REVISED	(JC60541)	S.M.	H.H	'96/2/6
O	新規作成 PROPOSED	(JC60428)	Y.M	H.H	'95/12/25
記号 LTR	変更内容 REVISION RECORD	DR.	日付 DATE	CHK.	尺度 SCALE

角度 ANGLE	±3°
30 以上 OVER	±0.3
10 以上 30 未満 OVER UNDER	±0.25
10 未満 UNDER	±0.2
般公差 GENERAL TOLERANCES	

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	—
適用電線範囲 WIRE RANGE	—
被覆外径 INS. RANGE	—
DRAWN BY '95/12/25 Y. MIZUNO	CHK'D BY '00/6/21 T. YAMAGUCHI
APP'D BY '00/6/21 M. FUKUSHIMA	尺度 SCALE

MOLEX-JAPAN CO., LTD. 日本モレックス株式会社
REVISE ONLY ON CAD SYSTEM
TITLE 名称
1.25 WIRE TO BOARD CONN. WAFER ASS'Y FOR S.M.T.
DWG. NO. (SHEET 1 OF 2) REV
SD-53780-***10
G

DWG. NO.
SD-53780-**-10

E

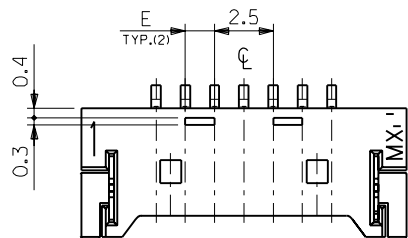
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C

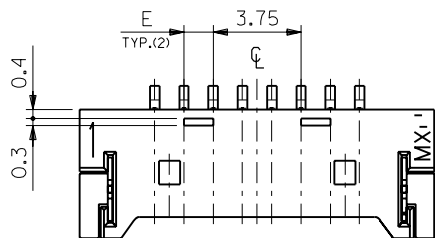
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A

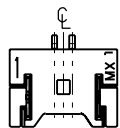
ALL DIMENSIONS IN METRIC DO NOT SCALE DRAWING



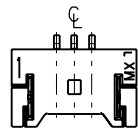
7~19極の奇数極に適用
APPLY FOR ODD CIRCUITS OF 7~19



8~20極の偶数極に適用
APPLY FOR EVEN CIRCUITS OF 8~20



2 CKT.



3 CKT.

ロック形状図
LOCK CONFIGURATION

角度	ANGLE	°
30°以上	OVER	30
10°以上	OVER	30
10°未満	UNDER	30
10°未満	UNDER	30

G	変更 REVISED	(JC2000-0862)	S.M.	T.Y.	'00/6/21
F	変更 REVISED	(JC800823)	S.M.	S.K.	'98/4/22
E	変更 REVISED	(JC70644)	S.M.	Y.M.	'97/1/27
D	変更 REVISED	(JC70592)	S.M.	Y.M.	'97/1/3
C	変更 REVISED	(JC70159)	S.M.	Y.M.	'96/8/9
B	変更 REVISED	(JC60804)	S.M.	M.F.	'96/5/1
A	変更 REVISED	(JC60541)	S.M.	H.H.	'96/2/6
O	新規作成 PROPOSED	(JC60428)	Y.M.	H.H.	'95/12/25

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	— # —
適用電線範囲 WIRE RANGE	— # —
被覆外径 INS. RANGE	— # —
DRAWN BY '95/12/25 Y.MIZUNO	CHK'D BY '00/6/21 T.YAMAGUCHI
APP'D BY '00/6/21 M.FUKUSHIMA	尺度 SCALE

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	— # —
適用電線範囲 WIRE RANGE	— # —
被覆外径 INS. RANGE	— # —
DRAWN BY '95/12/25 Y.MIZUNO	CHK'D BY '00/6/21 T.YAMAGUCHI
APP'D BY '00/6/21 M.FUKUSHIMA	尺度 SCALE

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	— # —
適用電線範囲 WIRE RANGE	— # —
被覆外径 INS. RANGE	— # —
DRAWN BY '95/12/25 Y.MIZUNO	CHK'D BY '00/6/21 T.YAMAGUCHI
APP'D BY '00/6/21 M.FUKUSHIMA	尺度 SCALE

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	— # —
適用電線範囲 WIRE RANGE	— # —
被覆外径 INS. RANGE	— # —
DRAWN BY '95/12/25 Y.MIZUNO	CHK'D BY '00/6/21 T.YAMAGUCHI
APP'D BY '00/6/21 M.FUKUSHIMA	尺度 SCALE

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本図面は日本モレックス(株)の所有する情報を含むもので 当社の許可なく複製を禁止する。
EN-01C(032)MXJ-32

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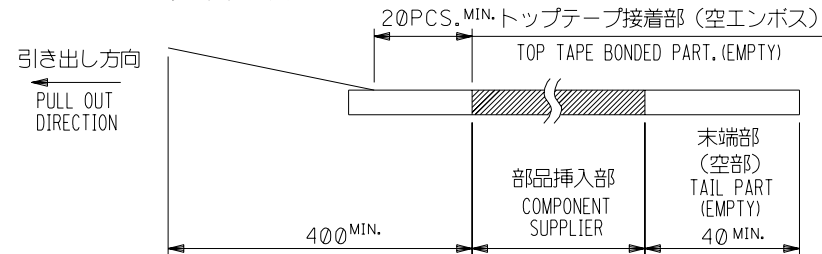
3

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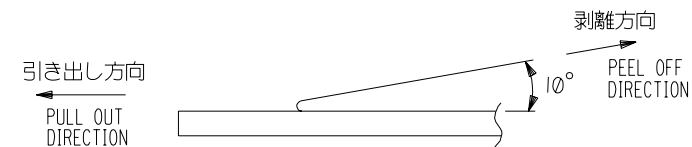
NOTES

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

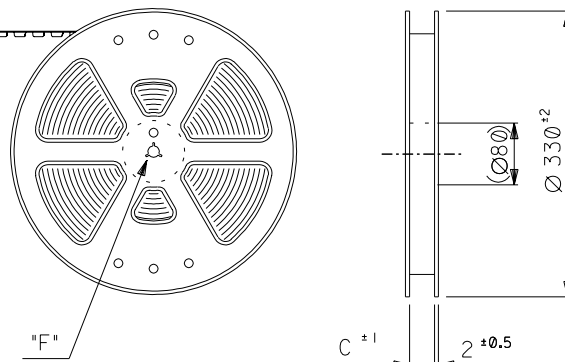
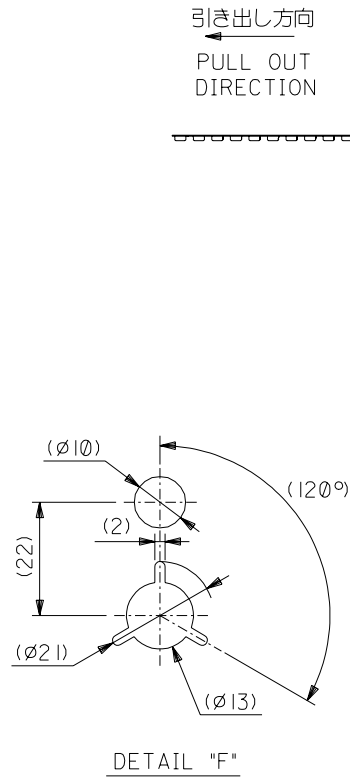


3. トップテープの剥離強度：0.1N ~ 0.7N(10.2gf ~ 71.4gf)
(剥離方向は下図参照)

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 ~ 0.7N(10.2gf ~ 71.4gf)
(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>
POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>



		材料 MATERIAL		注記参照 SEE NOTE	molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
N	変更 REVISED (J2002-2940)	N.I.	K.A.	'02/05/27	REVISE ONLY ON CAD SYSTEM
M	変更 REVISED (JC2001-0424)	K.K.	T.V.	'00/12/6	
L	変更 REVISED (JC2001-0318)	S.M.	T.V.	'00/10/27	TITLE 名称 1.25 W/B WAFER ASS'Y EMBOSSSED TAPE PACKAGE
K	変更 REVISED (JC90327)	S.M.	S.K.	'98/12/1	
J	変更 REVISED (JC80706)	T.A.	S.K.	'98/3/11	DRAWN BY '95/12/27 S.MATSUZAKI CHK'D BY '02/05/27 K.ASAKAWA
H	再作図と変更 REDRAWN & REVISED (JC80662)	T.N.	S.K.	'98/2/20	
一般公差 GENERAL TOLERANCES		DR.	日付 CHK. DATE	APP'D BY '02/05/27 T.YAMAGUCHI	尺度 SCALE

DWG. NO.	(SHEET 1 OF 3)	REV
SD-53780-**-90	N	

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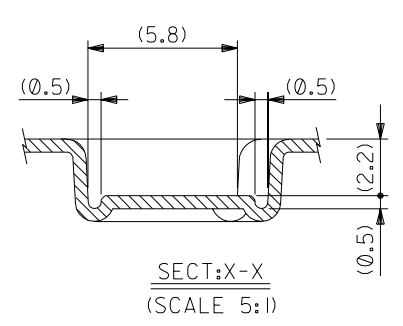
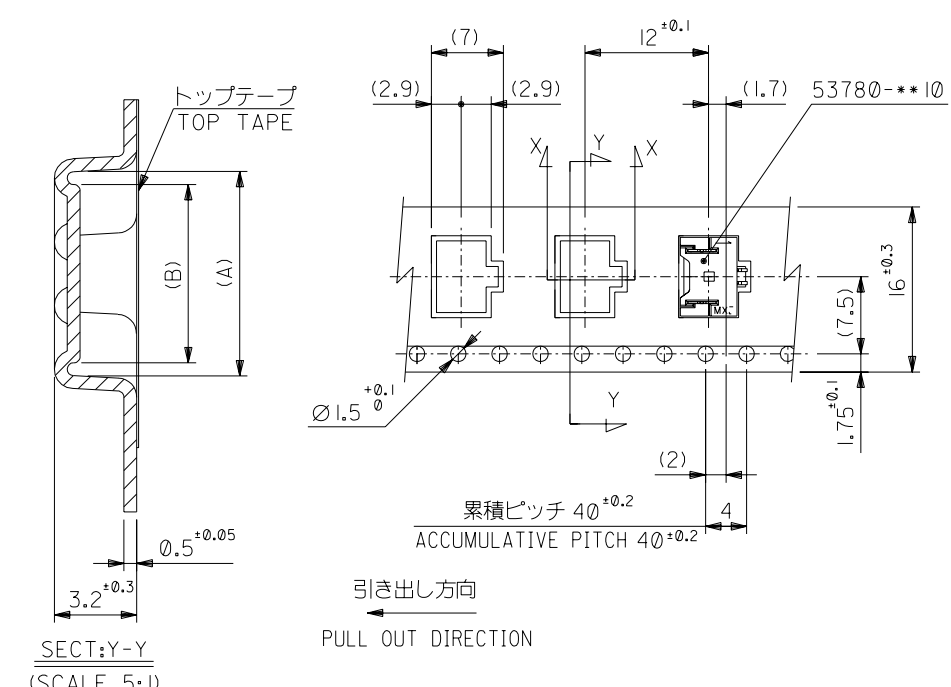
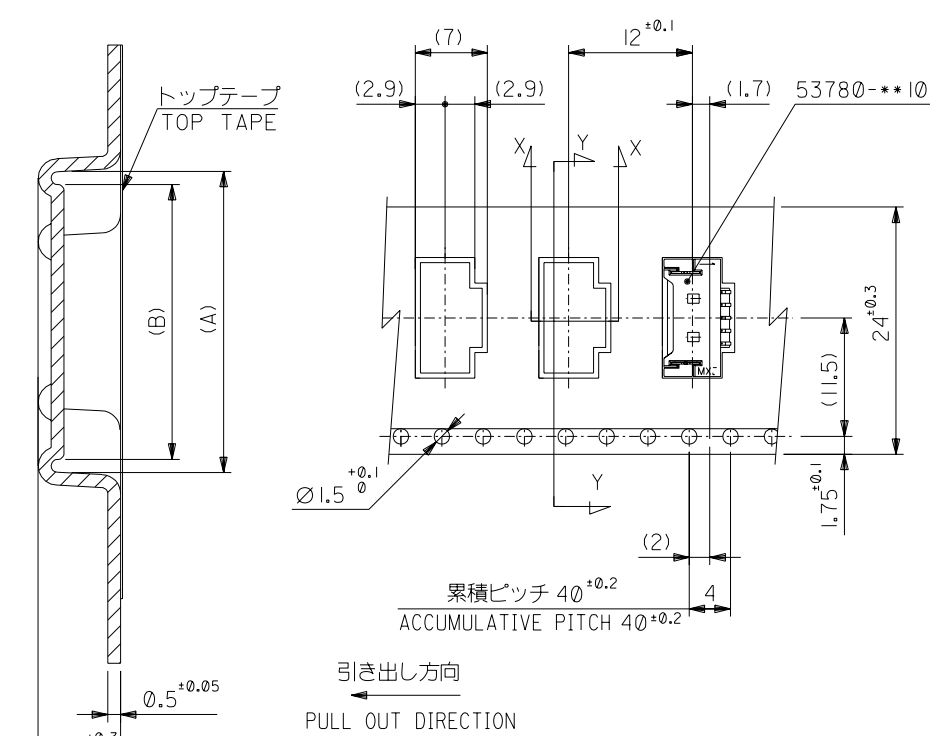
1

DWG. NO.
SD-53780-**-90

E

D

C
B
A
DIMENSIONS IN METRIC DO NOT SCALE DRAWING



24	25.5	11.75	16.7	53780-0990	9	
		10.5	15.45	53780-0890	8	
		9.25	14.2	53780-0790	7	
		8	12.95	53780-0690	6	
		6.75	11.7	53780-0590	5	
16	17.5	5.5	10.45	53780-0490	4	
		4.25	9.2	53780-0390	3	
		3	7.95	53780-0290	2	
キャリアテープ幅 CARRIER TAPE WIDTH		C	(B)	(A)	ENG. NO.	種数 CKT.

		材料 MATERIAL SHEET 1 OF 3 参照 REFER TO SHEET 1 OF 3		molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
N 変更 REVISED (J2002-2940)		N.I K.A		REVISE ONLY ON CAD SYSTEM	
M 変更 REVISED (JC2001-0424)		K.K T.V		TITLE 名称	
L 変更 REVISED (JC2001-0318)		S.M T.V		1.25 W/B WAFER ASS'Y EMBOSSD TAPE PACKAGE	
K 変更 REVISED (JC90327)		S.M T.V		DRAWN BY '95/12/27 S.MATSUZAKI	
J 変更 REVISED (JC80706)		T.A S.K		CHK'D BY '02/05/27 K.ASAKAWA	
H 再作図と変更 REDRAWN & REVISED (JC80662)		T.N S.K		DWG. NO. (SHEET 2 OF 3)	
一般公差 GENERAL TOLERANCES		DR. 日付 CHK. DATE		SD-53780-**-90	
記号 LTR		変更内容 REVISION RECORD		REV N	

DWG. NO.
SD-53780-***90

E

D

ALL DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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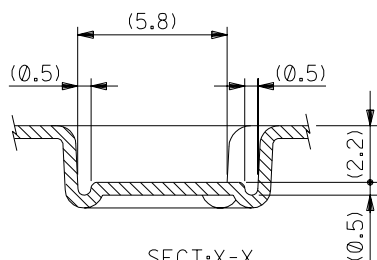
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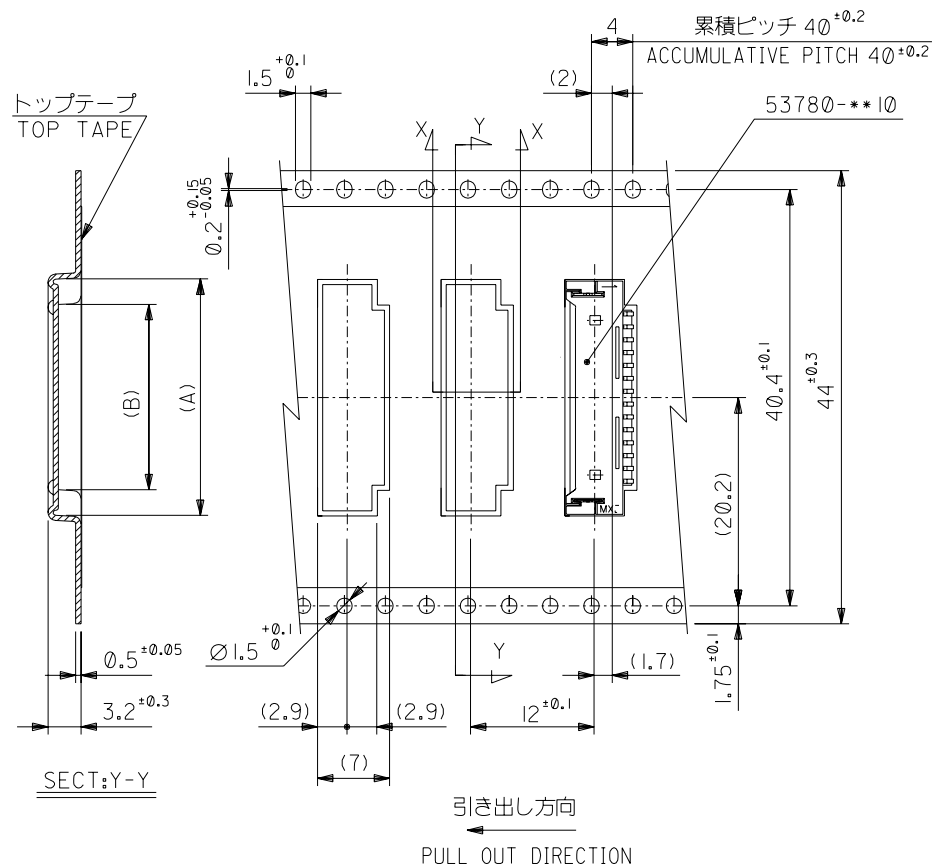
3

2

1



SECT: X-X
(SCALE 5:1)



44	45.5	28	32.95	53780-2290	22
		25.5	30.45	53780-2090	20
		25.5	27.95	53780-1890	18
		19.25	24.2	53780-1590	15
		18	22.95	53780-1490	14
		15.5	20.45	53780-1290	12
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	ENG. NO.	種数 CKT.

		材料 MATERIAL SHEET 1 OF 3 参照 REFER TO SHEET 1 OF 3		molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
N 変更 REVISED (J2002-2940)		N.I.	'02/05/27	REVISE ONLY ON CAD SYSTEM	
M 変更 REVISED (JC2001-0424)		K.K.	'00/12/16	TITLE 名称	
L 変更 REVISED (JC2001-0318)		S.M.	'00/10/27	1.25 W/B WAFER ASS'Y EMBOSSD TAPE PACKAGE	
30 以上 OVER		S.M.	'98/12/1	DRAWN BY '95/12/27	
10 以上 30 未満 UNDER		S.M.	'98/12/1	CHK'D BY '02/05/27	
10 未満		T.N.	'98/2/20	S.MATSUZAKI K.ASAKAWA	
H 再作図と変更 REDRAWN & REVISED (JC80662)		S.K.	'98/2/20	DWG. NO. (SHEET 3 OF 3)	
一般公差 GENERAL TOLERANCES		DR. CHK.	日付 DATE	SD-53780-***90	
記号 LTR		変更内容 REVISION RECORD		REV N	

DWG. NO. SD-53780-003

F

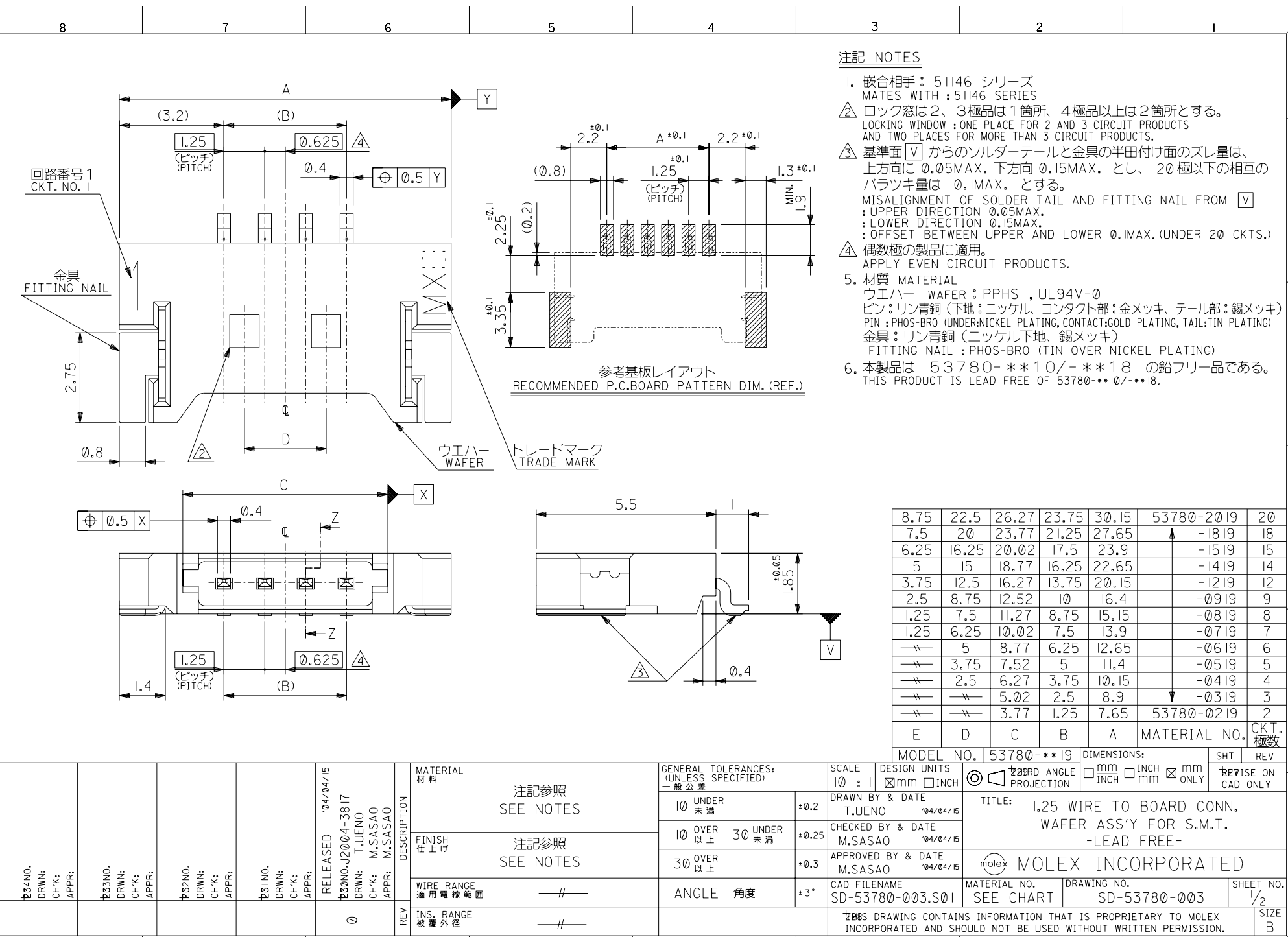
D

V

C

B

DO NOT SCALE DRAWING



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 : PPHS , UL94V-0
ピン : リン青銅 (下地 : ニッケル、コンタクト部 : 金メッキ、テール部 : 錫メッキ)
PIN : PHOS-BRO (UNDER: NICKEL PLATING, CONTACT: GOLD PLATING, TAIL: TIN PLATING)
金具 : リン青銅 (ニッケル下地、錫メッキ)
FITTING NAIL : PHOS-BRO (TIN OVER NICKEL PLATING)
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.

8.75	22.5	26.27	23.75	30.15	53780-2019	20
7.5	20	23.77	21.25	27.65	-1819	18
6.25	16.25	20.02	17.5	23.9	-1519	15
5	15	18.77	16.25	22.65	-1419	14
3.75	12.5	16.27	13.75	20.15	-1219	12
2.5	8.75	12.52	10	16.4	-0919	9
1.25	7.5	11.27	8.75	15.15	-0819	8
1.25	6.25	10.02	7.5	13.9	-0719	7
—	5	8.77	6.25	12.65	-0619	6
—	3.75	7.52	5	11.4	-0519	5
—	2.5	6.27	3.75	10.15	-0419	4
—	—	5.02	2.5	8.9	-0319	3
—	—	3.77	1.25	7.65	53780-0219	2
E	D	C	B	A	MATERIAL NO.	CKT. 極数

MODEL NO.	53780- ** 19	DIMENSIONS:	SHT	REV
SCALE	10 : 1	DESIGN UNITS	mm	INCH
GENERAL TOLERANCES:	(UNLESS SPECIFIED)	PROJECTION	mm	INCH
10 UNDER	±0.2	DRAWN BY & DATE	T.JENO	04/04/15
10 OVER	±0.25	CHECKED BY & DATE	M.SASAO	04/04/15
30 OVER	±0.3	APPROVED BY & DATE	M.SASAO	04/04/15
ANGLE	角度	CAD FILENAME	SD-53780-003.S01	
TITLE:		1.25 WIRE TO BOARD CONN. WAFER ASS'Y FOR S.M.T. -LEAD FREE-		
MATERIAL NO.		DRAWING NO.		
SEE CHART		SD-53780-003		
SHEET NO.		1/2		
SIZE		B		

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F

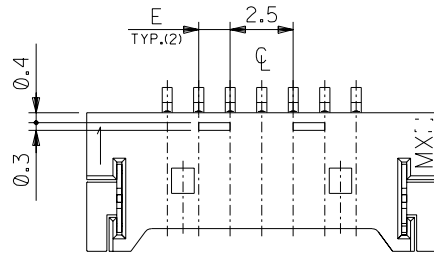
E

D

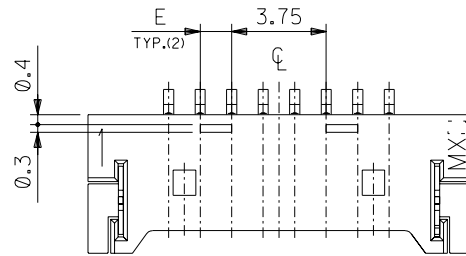
C

B

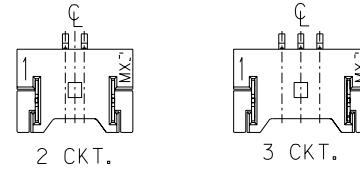
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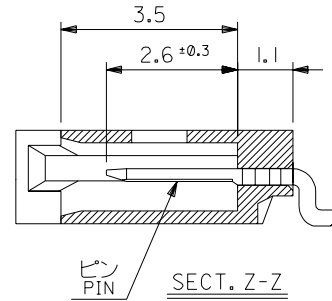
7~19極の奇数極に適用
APPLY FOR ODD CIRCUITS OF 7~19



8~20極の偶数極に適用
APPLY FOR EVEN CIRCUITS OF 8~20



ロック形状図
LOCK CONFIGURATION



164NO. DRWN: CH'K: APPR:		163NO. DRWN: CH'K: APPR:		162NO. DRWN: CH'K: APPR:		161NO. DRWN: CH'K: APPR:		RELEASED '04/04/15 160NO. J2004-3817 DRWN: T.UENO CH'K: M.SASAO APPR: M.SASAO		DESCRIPTION MATERIAL 材料 SEE SHEET 1 OF 2 FINISH 仕上付 SEE SHEET 1 OF 2 WIRE RANGE 適用電線範囲 —#— INS. RANGE 被覆外径 —#—		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 ±0.2 10 OVER 以上 30 UNDER 未満 ±0.25 30 OVER 以上 ±0.3 ANGLE 角度 ±3°		SCALE 10 : 1 DRAWN BY & DATE T.UENO '04/04/15 CHECKED BY & DATE M.SASAO '04/04/15 APPROVED BY & DATE M.SASAO '04/04/15 CAD FILENAME SD-53780-003.S02		DESIGN UNITS mm INCH PROJECTION TITLE: 1.25 WIRE TO BOARD CONN. WAFER ASS'Y FOR S.M.T. -LEAD FREE- MOLEX MOLEX INCORPORATED		THIRD ANGLE PROJECTION mm INCH mm ONLY REVISE ON CAD ONLY		SHEET NO. 2/2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B	
8		7		6		5		4		3		2		1		EN-02J(097) MXJ-54									

DWG. NO. SD-53780-004

F

D

C

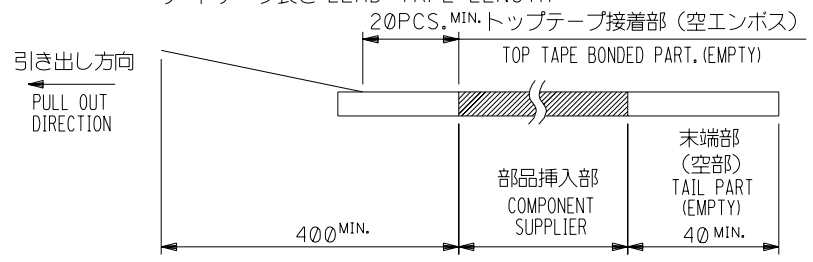
B

DO NOT SCALE DRAWING

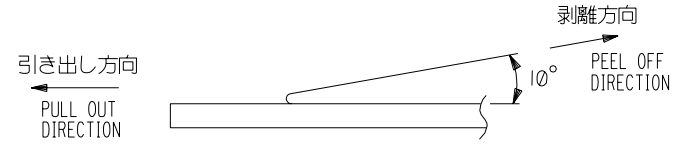
8 7 6 5 4 3 2 1

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

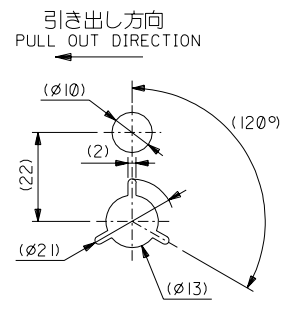
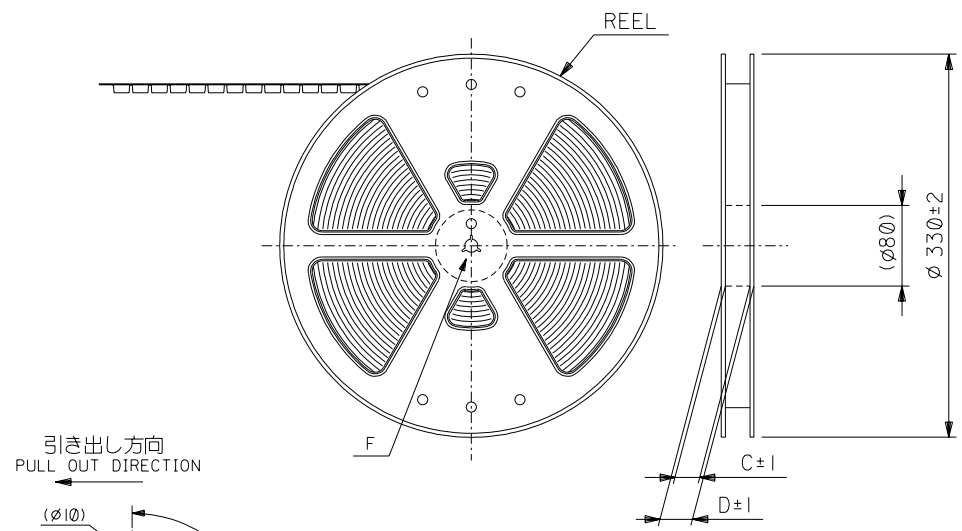


3. トップテープの剥離強度：0.1N ~ 1.3N(10gf ~ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ~ 1.3N(10gf ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



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.



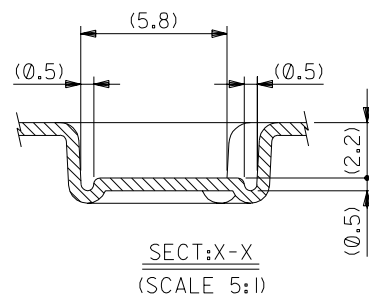
DETAIL F

MODEL NO.				53780-**70		DIMENSIONS:		SHT	REV
DESIGN UNITS				mm		mm		mm	mm
PROJECTION				mm		mm		mm	mm
DRAWN BY & DATE				T.UENO		04/04/15		TITLE:	
CHECKED BY & DATE				M.SASAO		04/04/15		1.25 W/B WAFER ASS'Y	
APPROVED BY & DATE				M.SASAO		04/04/15		EMBOSSED TAPE PACKAGE	
CAD FILENAME				SD-53780-004.S01		SEE CHART		-LEAD FREE-	
MATERIAL NO.				SD-53780-004.S01		DRAWING NO.		SD-53780-004	
SHEET NO.				1/3		SIZE		B	
DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.									

A

8 7 6 5 4 3 2 1 EN-02J(097) MXJ-54

1



DIMENSIONS:		SHT	REV	
☐ mm	☐ INCH	☒ mm ONLY	☐ INCH ONLY	
THIRD ANGLE PROJECTION				
TITLE:		1.25 W/B WAFER ASS'Y EMBOSSED TAPE PACKAGE -LEAD FREE-		
DRAWN BY & DATE T.UENO '04/04/15		MOLEX INCORPORATED		
CHECKED BY & DATE M.SASAO '04/04/15				
APPROVED BY & DATE M.SASAO '04/04/15				
CAD FILENAME SD-53780-004.S02		MATERIAL NO. SEE CHART	DRAWING NO. SD-53780-004	SHEET NO. 2/3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EN-02J(097) MXJ-54

DO NOT SCALE DRAWING

DWG. NO.
SD-53780-004

F

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8 7 6 5 4 3 2 1

F

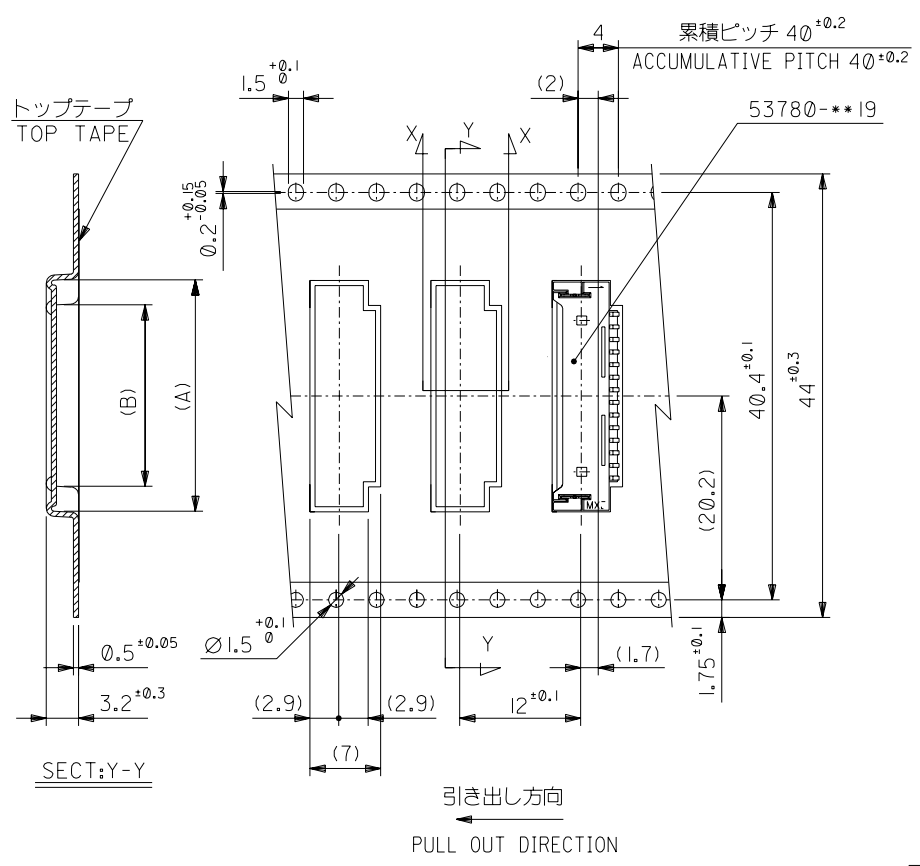
E

D

C

B

A



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				
キャリアテープ幅 CARRIER TAPE WIDTH				D	C	(B)	(A)	MATERIAL NO.	極値 CKT.		
		MODEL NO.		53780-**-70				DIMENSIONS:		SHT	REV
ANCES: FIED)		SCALE —/—		DESIGN UNITS ☒ mm ☐ INCH		 2面角 PROJECTION		☐ mm INCH ☐ mm ☒ mm ONLY		2面 ON CAD ONLY	
	±0.2	DRAWN BY & DATE T.UENO '04/04/15		TITLE: 1.25 W/B WAFER ASS'Y EMBOSSD TAPE PACKAGE -LEAD FREE-							
0 UNDER 未満	±0.25	CHECKED BY & DATE M.SASAO '04/04/15									
	±0.3	APPROVED BY & DATE M.SASAO '04/04/15									
角度	±3°	CAD FILENAME SD-53780-004.S03		MATERIAL NO. SEE CHART		DRAWING NO. SD-53780-004				SHEET NO. 3/3	
2面 DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										SIZE B	

164NO. DRWN: CH'K: APPR:	163NO. DRWN: CH'K: APPR:	162NO. DRWN: CH'K: APPR:	161NO. DRWN: CH'K: APPR:	RELEASED '04/04/15 J2004-3817 DRWN: T.UENO CH'K: M.SASAO APPR: M.SASAO	DESCRIPTION REV	MATERIAL 材料 —//—
						FINISH 仕上げ —//—
						WIRE RANGE 適用電線範囲 —//—
						INS. RANGE 被覆外径 —//—

8 7 6 5 4 3 2 1