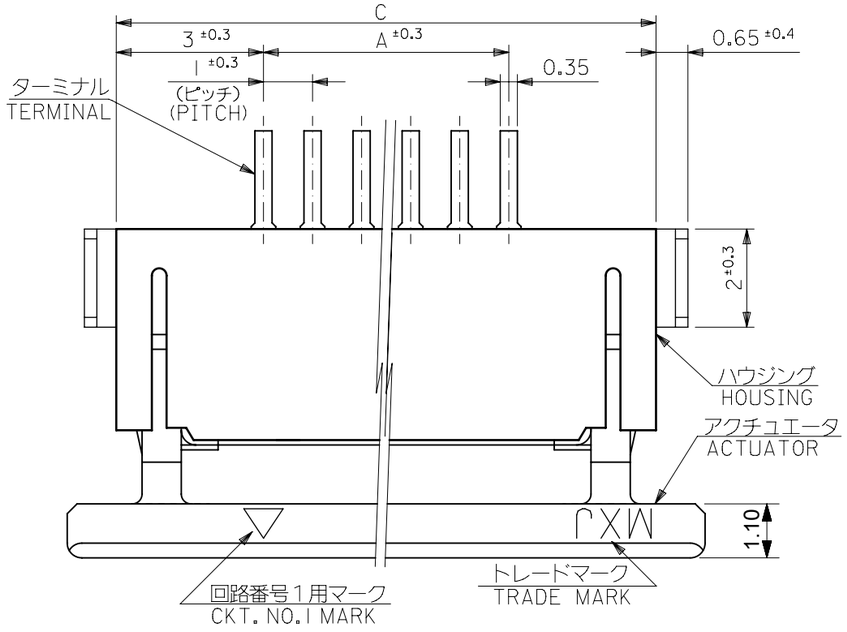
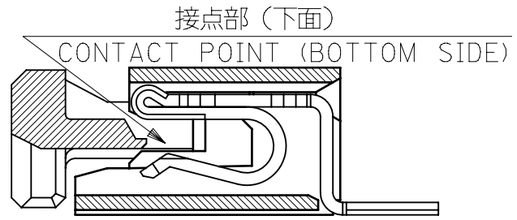
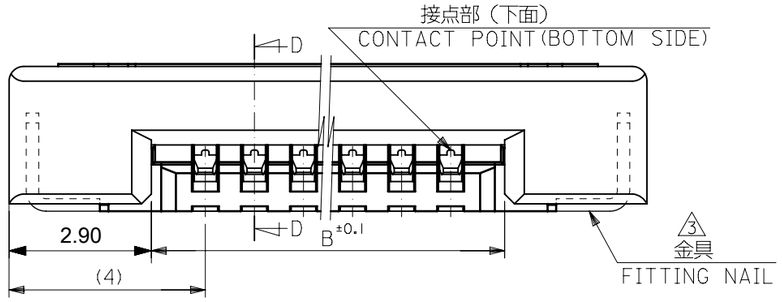
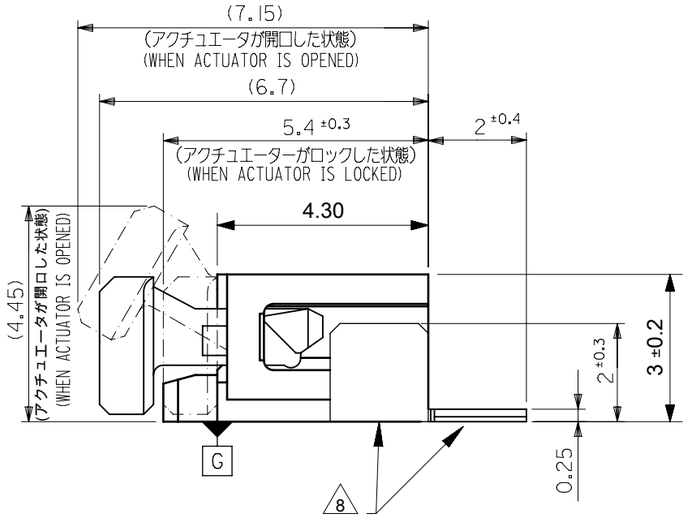
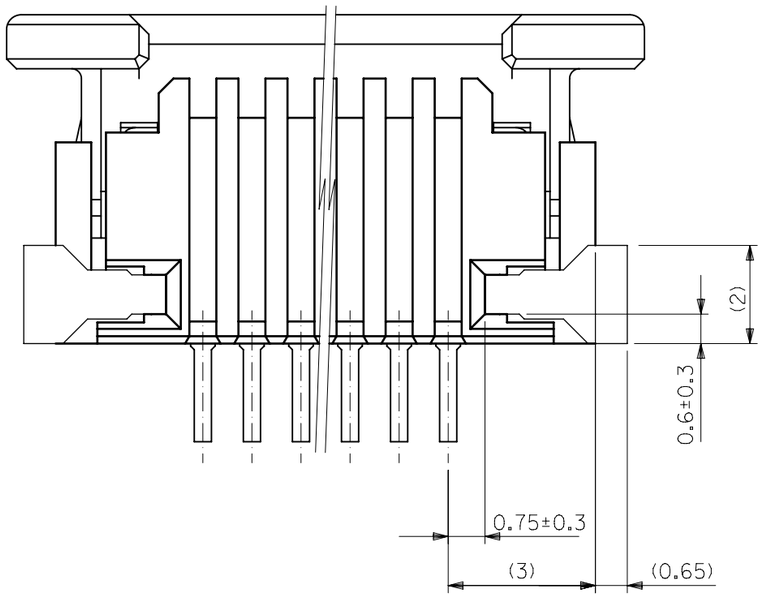




SECT.D-D







注記 NOTES

1. 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
2. 使用材料 MATERIAL
ハウジング　：４６ナイロン，ＵＬ９４Ｖ－０
HOUSING : 46NYLON, UL94V-0
アクチュエータ：ＰＰＳ，ＵＬ９４Ｖ－０
ACTUATOR : PPS, UL94V-0
ターミナル　：リン青銅（ｔ＝０．２５）
TERMINAL : PHOS-BRO.(t=0.25)
メッキ　：錫ビスマスメッキ　１．０マイクロメートル以上
PLATING : TIN-BISMUTH 1.0 MICROMETER MINIMUM
：ニッケル下地　１．０マイクロメートル以上
PLATING : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
金具　：銅合金（ｔ＝０．２５）
FITTING NAIL : COPPER ALLOY (t=0.25)
メッキ　：錫メッキ　１．０マイクロメートル以上
PLATING : TIN 1.0 MICROMETER MINIMUM
：ニッケル下地　１．０マイクロメートル以上
PLATING : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
3. パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B.PATTERN.
4. エンボステープ梱包時は，アクチュエータがロックした状態とする。
WHEN CONNECTOR IS SHIPED, ACTUATOR SHOULD BE LOCKED.
5. ＦＰＣ挿入深さ。
INSERTION DEPTH OF FPC
6. パターン書き込み禁止エリア。
NO FOOT PRINT AREA.
7. 本製品は５２２７１－＊＊９０の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-**90
8. **テール及び金具の平坦度は、0.15以下とする。**
TAIL AND NAIL COPLANARITY TO BE 0.15 MAXIMUM.

35	31.2	29	52271-3079	30
34	30.2	28	52271-2979	29
33	29.2	27	52271-2879	28
32	28.2	26	52271-2779	27
31	27.2	25	52271-2679	26
30	26.2	24	52271-2579	25
29.0	25.2	23	52271-2479	24
28.0	24.2	22	52271-2379	23
27.0	23.2	21	52271-2279	22
26.0	22.2	20	52271-2179	21
25.0	21.2	19	52271-2079	20
24.0	20.2	18	52271-1979	19
23.0	19.2	17	52271-1879	18
22.0	18.2	16	52271-1779	17
21.0	17.2	15	52271-1679	16
20.0	16.2	14	52271-1579	15
19.0	15.2	13	52271-1479	14
18.0	14.2	12	52271-1379	13
17.0	13.2	11	52271-1279	12
16.0	12.2	10	52271-1179	11
15.0	11.2	9	52271-1079	10
14.0	10.2	8	52271-0979	9
13.0	9.2	7	52271-0879	8
12.0	8.2	6	52271-0779	7
11.0	7.2	5	52271-0679	6
10.0	6.2	4	52271-0579	5
9.00	5.2	3	52271-0479	4
C	B	A	EMBOSSED PACKAGE Order No.	CKT No.

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

DIMENSION UNITS	mm
SCALE	8:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	± 0.2
3 PLACES	± 0.2
2 PLACES	± 0.2
1 PLACE	± 0.25
0 PLACES	± 0.3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 672151
DRWN: DGONDO 2021/08/02
CHK'D: TKON 2021/08/03
APPR: SHOSHIKAWA 2021/08/03

INITIAL REVISION:
DRWN: HKAWABATA 2004/03/18
APPR: MSASAO 2004/03/19

molex

1.0 FPC CONN ZIF SMT
(BOTTOM CONTACT) -LEAD FREE-

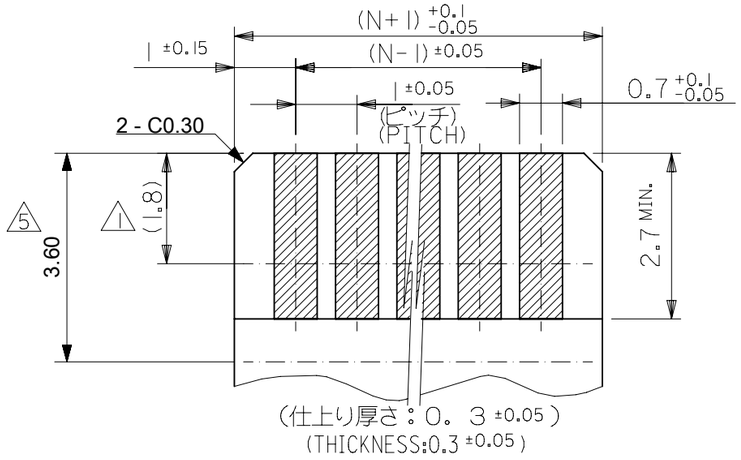
PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	52271	SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52271-036	PSD	001	F

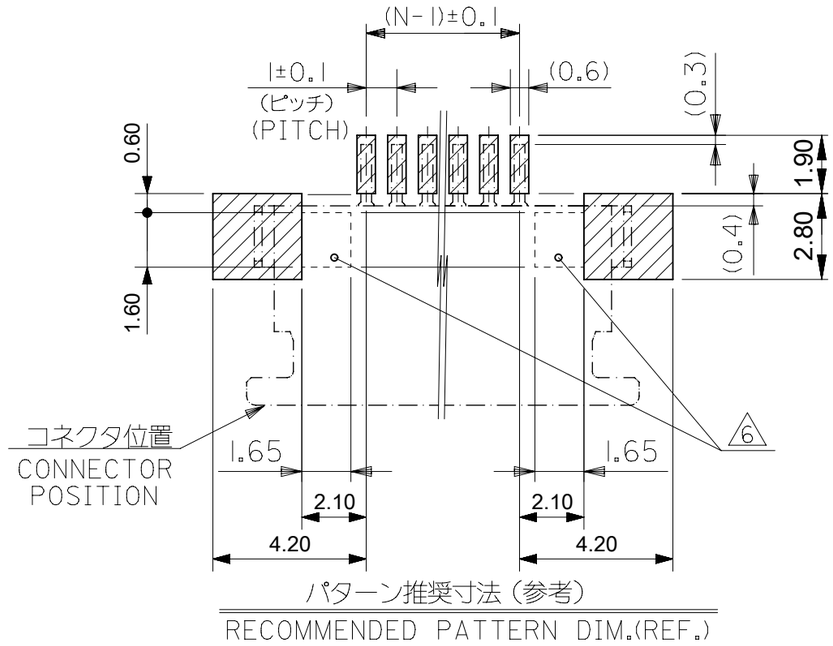
DOCUMENT STATUS	P1	RELEASE DATE	2021/08/03 12:33:51

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14



適合FPC/FFC推奨寸法

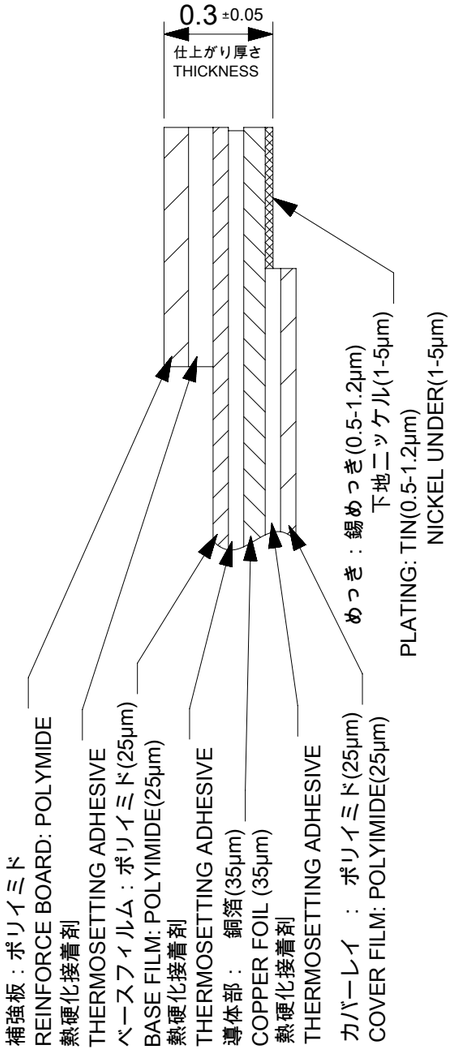
APPLICABLE FPC/FFC RECOMMENDED DIMENSION

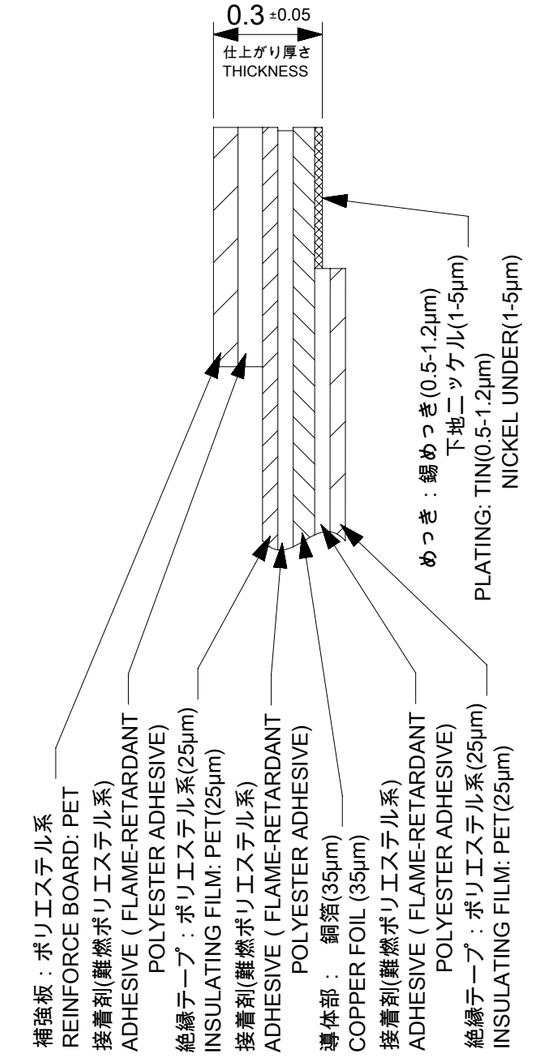


パターン推奨寸法（参考）

RECOMMENDED PATTERN DIM.(REF.)

SCALE 5:1





FPC構成推奨仕様

RECOMMENDED STRUCTURE OF FPC

FFC構成推奨仕様

RECOMMENDED STRUCTURE OF FFC

FPC/FFCについて：

抜き方向は、導体側から補強板側を推奨致します。

尚、接着剤の接点部への付着は導通不良の原因になりますので、

染み出しが無い様お願い致します。

ABOUT FPC/FFC:

RECOMMENDED PUNCHER DIRECTION:

FROM CONDUCTOR SIDE TO STIFFNER SIDE

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND

BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE

CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

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

DIMENSION UNITS	SCALE
mm	10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 672151

DRWN: DGONDO 2021/08/02

CHK'D: TKON 2021/08/03

APPR: SHOSHIKAWA 2021/08/03

INITIAL REVISION:

DRWN: HKAWABATA 2004/03/18

APPR: MSASAO 2004/03/19

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52271

molex

1.0 FPC CONN ZIF SMT
(BOTTOM CONTACT) -LEAD FREE-

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52271-036	PSD	001	F

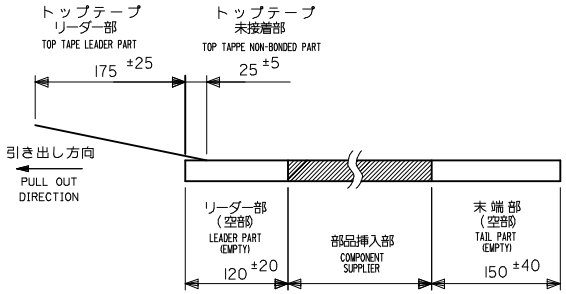
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 1	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/03 12:33:51

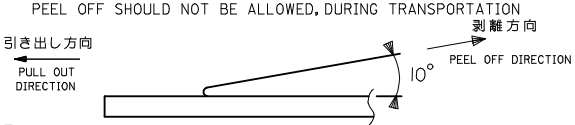
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

NOTES

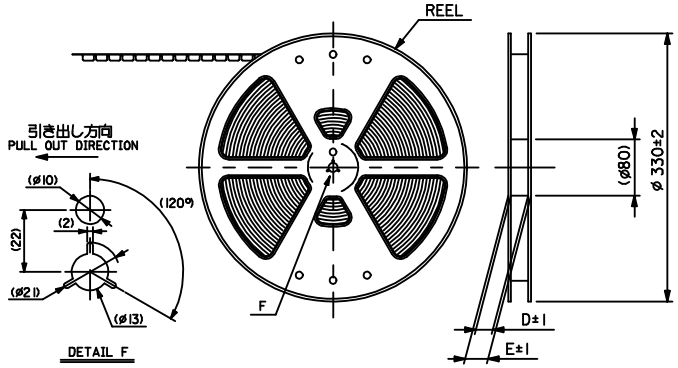
1. 製品番号 52271-**19 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については 図 面 SD-52271-036 を参照下さい。
IN THE PACKAGE, AUTUATOR OF PART NO. 52271-**19 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52271-036.
2. 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

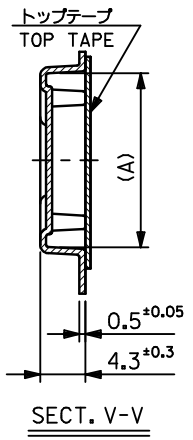


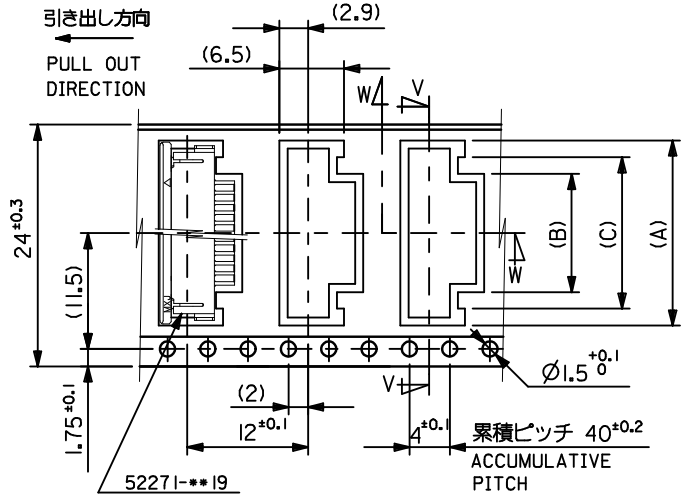
4. トップテープの剥離強度：0.1～1.3N {10～130gf} (剥離方向は下図参照)
尚、本規格値は、出荷時に適用。(但し、輸送時に剥離が発生しない事。)
PEELING OFF FORCE OF TOP TAPE : 0.1～1.3N {10～130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION

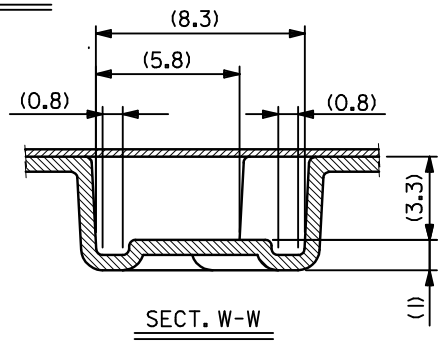


5. 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は52271-**90の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-**90.
7. 本製品は乾燥剤入り、ハイバリア梱包仕様である.
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.









MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.
52271-**79	24	29.4	25.4	15	11.4	18.3	52271-1179	11
				14	10.4	17.3	-1079	10
				13	9.4	16.3	-0979	9
				12	8.4	15.3	-0879	8
				11	7.4	14.3	-0779	7
				10	6.4	13.3	-0679	6
				9	5.4	12.3	-0579	5
				8	4.4	11.3	52271-0479	4

REVISED
EC NO: J2009-2061 2009/05/20
DRWN: TKON 2009/05/21
CHKD: HMATSUMOTO
APPR: NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3°

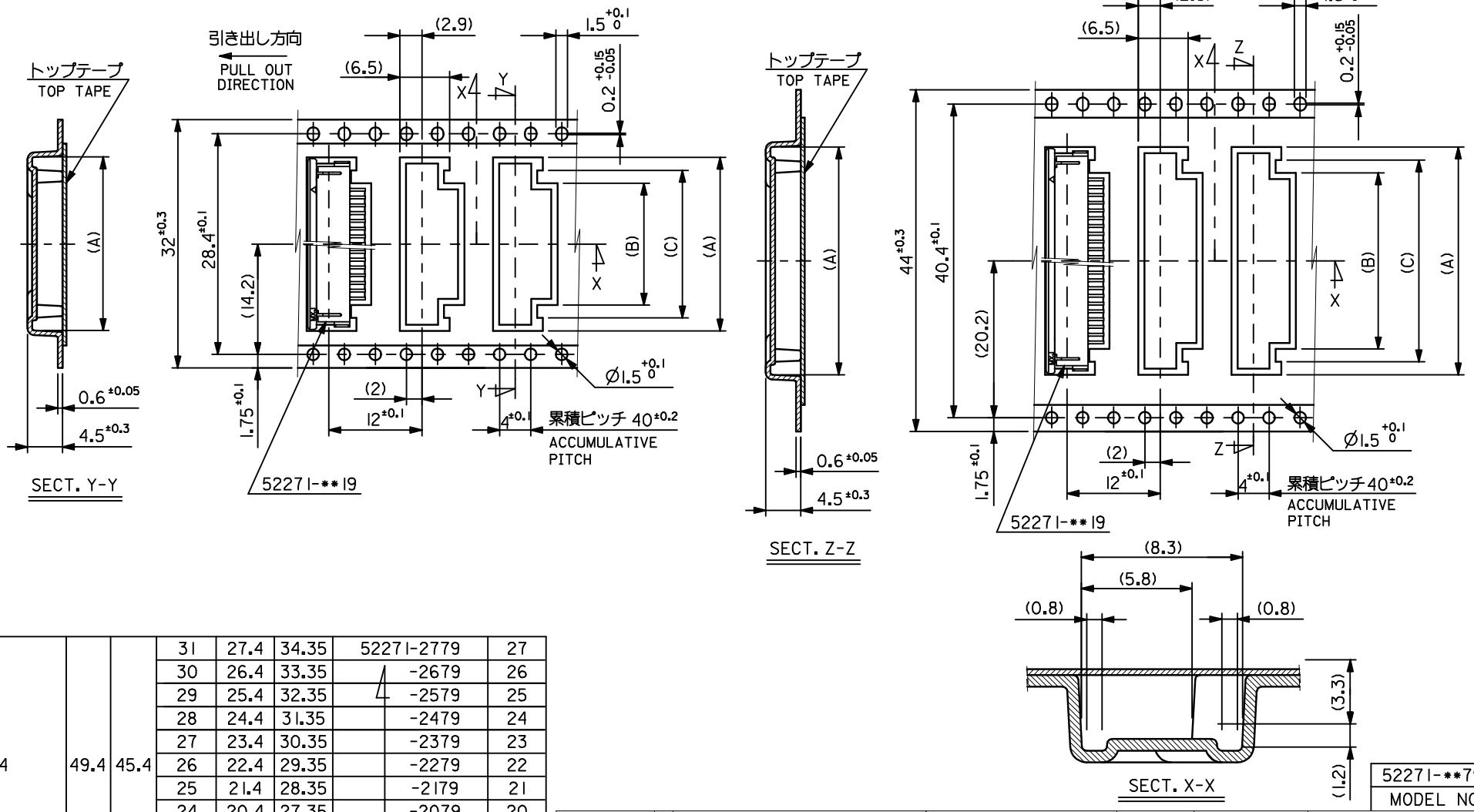
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	H.KAWABATA	2004/03/12
CHECKED BY	K.TOJO	2004/03/12
APPROVED BY	M.SASAO	2004/03/12
MATERIAL NO.	SEE TABLE	

TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-
molex MOLEX INCORPORATED
DOCUMENT NO. SD-52271-037
SHEET NO. 1 OF 3
SIZE A3

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



キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	個数 CKT.
44	49.4	45.4	31	27.4	34.35	52271-2779	27
			30	26.4	33.35	-2679	26
			29	25.4	32.35	-2579	25
			28	24.4	31.35	-2479	24
			27	23.4	30.35	-2379	23
			26	22.4	29.35	-2279	22
			25	21.4	28.35	-2179	21
			24	20.4	27.35	-2079	20
			23	19.4	26.35	-1979	19
			22	18.4	25.35	-1879	18
			21	17.4	24.35	-1779	17
32	37.4	33.4	20	16.4	23.35	-1679	16
			19	15.4	22.35	-1579	15
			18	14.4	21.35	-1479	14
			17	13.4	20.35	-1379	13
			16	12.4	19.35	52271-1279	12

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CHKD:HMATSUMOTO 2009/05/21
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

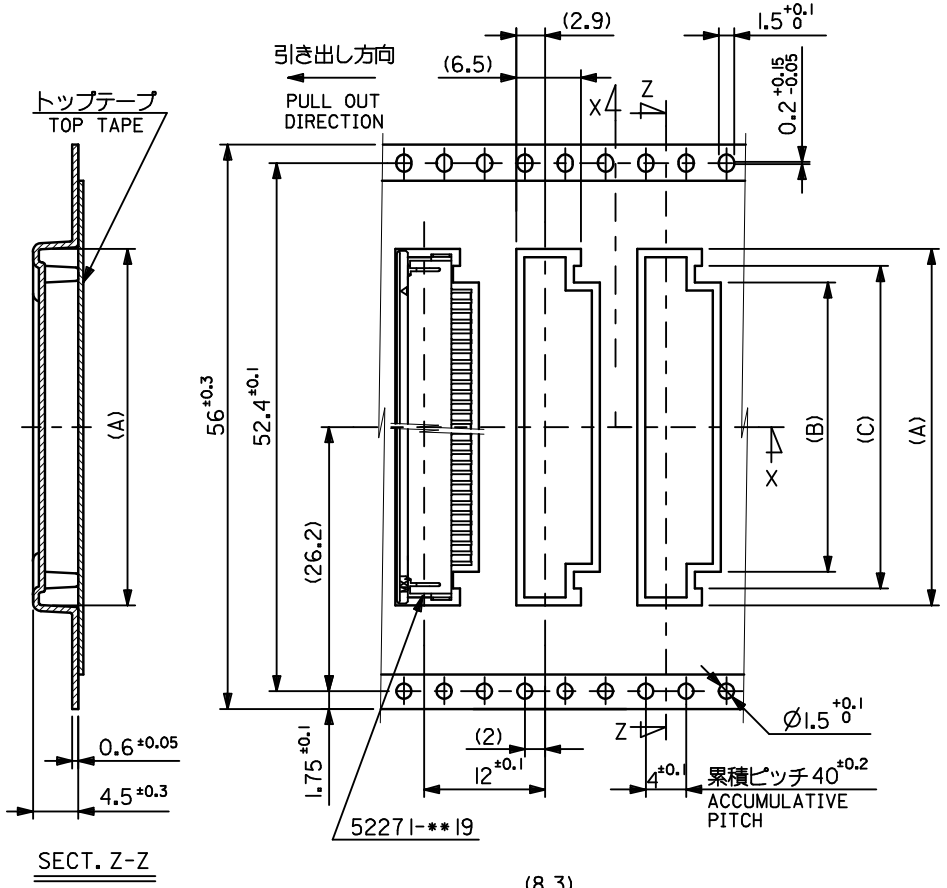
DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	H.KAWABATA
DATE	2004/03/12
CHECKED BY	K.TOJO
DATE	2004/03/12
APPROVED BY	M.SASAO
DATE	2004/03/12
MATERIAL NO.	SEE TABLE
DOCUMENT NO.	SD-52271-037
SHEET NO.	2 OF 3
SIZE	A3

TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-

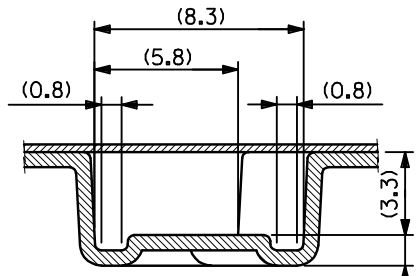
MOLEX INCORPORATED

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

52271-**79
MODEL NO.



SECT. Z-Z



SECT. X-X

56	61.4	57.4	34	30.4	37.35	52271-3079	30
			33	29.4	36.35	52271-2979	29
			32	28.4	35.35	52271-2879	28
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO 2009/05/21
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	H.KAWABATA
DATE	2004/03/12
CHECKED BY	K.TOJO
DATE	2004/03/12
APPROVED BY	M.SASAO
DATE	2004/03/12
MATERIAL NO.	SEE TABLE
SIZE	A3

MODEL NO. 52271-**79

TITLE
EMBOSSED TAPE PAKEGE
FOR 52271-**19
-LEAD FREE-

molex MOLEX INCORPORATED

DOCUMENT NO. SD-52271-037

SHEET NO. 3 OF 3

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