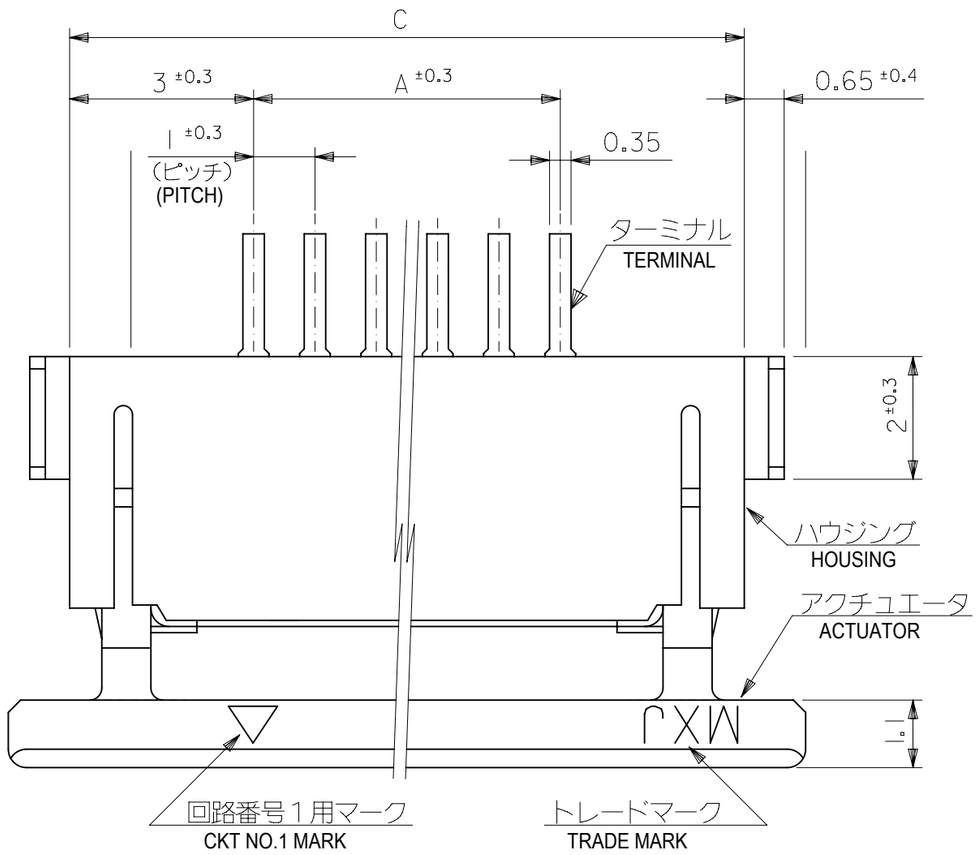
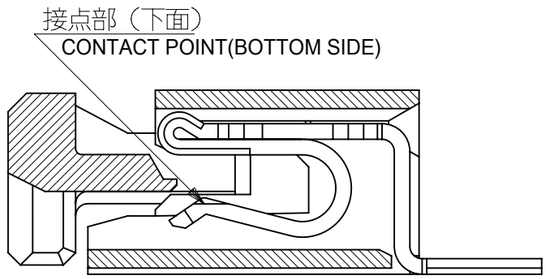
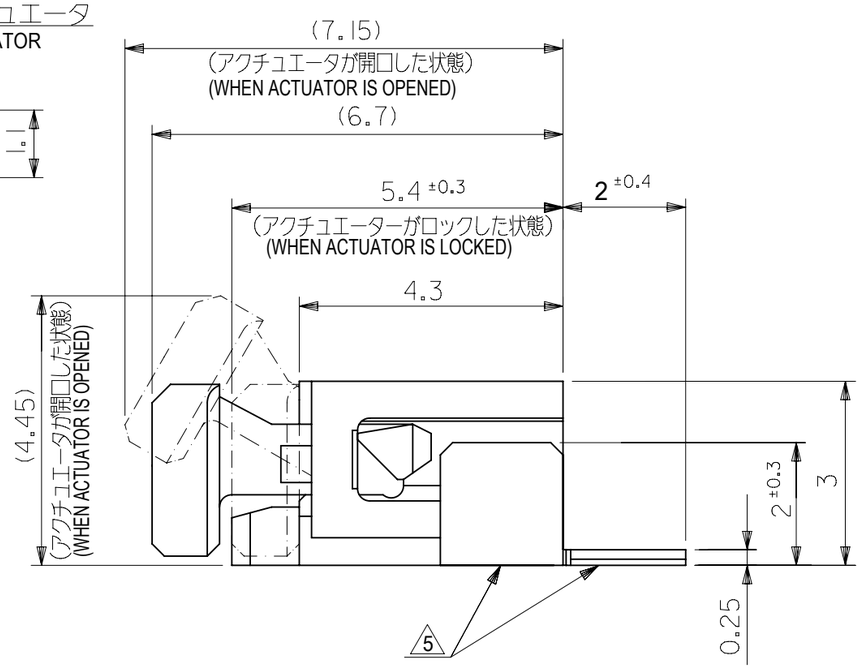
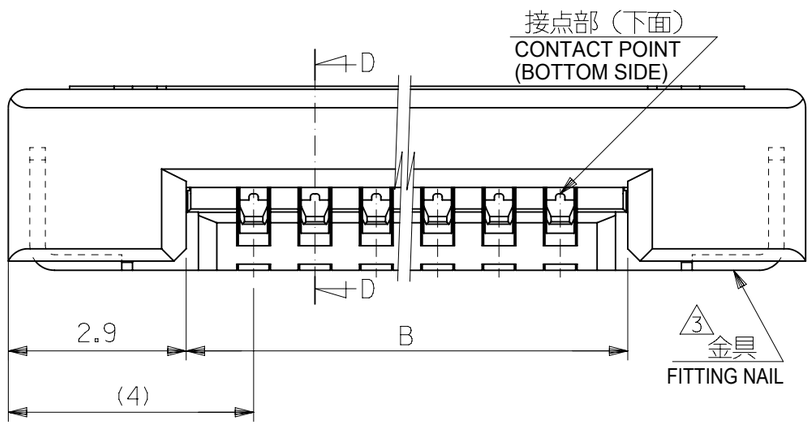




SECT.D-D





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33	29.2	27	52271-2869	28
32	28.2	26	52271-2769	27
31	27.2	25	52271-2669	26
30	26.2	24	52271-2569	25
29	25.2	23	52271-2469	24
28	24.2	22	52271-2369	23
27	23.2	21	52271-2269	22
26	22.2	20	52271-2169	21
25	21.2	19	52271-2069	20
24	20.2	18	52271-1969	19
23	19.2	17	52271-1869	18
22	18.2	16	52271-1769	17
21	17.2	15	52271-1669	16
20	16.2	14	52271-1569	15
19	15.2	13	52271-1469	14
18	14.2	12	52271-1369	13
17	13.2	11	52271-1269	12
16	12.2	10	52271-1169	11
15	11.2	9	52271-1069	10
14	10.2	8	52271-0969	9
13	9.2	7	52271-0869	8
12	8.2	6	52271-0769	7
11	7.2	5	52271-0669	6
10	6.2	4	52271-0569	5
9	5.2	3	52271-0469	4
C	B	A	EMBOSSED PACKAGE オーダー番号　ORDER NO.	CIRCUITS
52271-**29			CONNECTOR SERIES NO.	

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	

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	±	0.25
2 PLACES	±	0.3
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REVISED

EC NO: 600129
DRWN: YCHEN128 2018/04/11
CHK'D: KTAKAHASHI 2018/04/12
APPR: NUKITA 2018/04/13

INITIAL REVISION:
DRWN: MUMEDA 2005/03/29
APPR: NUKITA 2005/04/06

molex

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

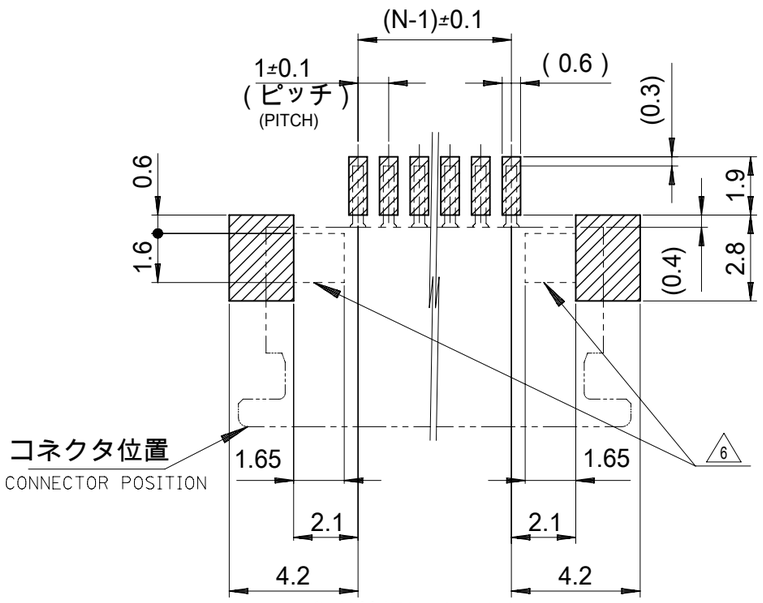
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52271-038	PSD	001	G

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

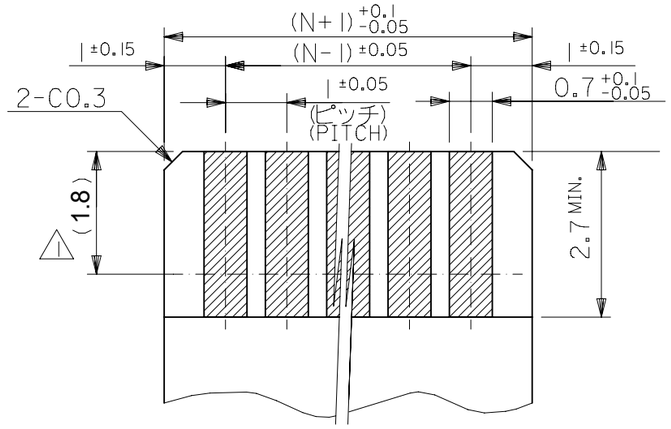
DOCUMENT STATUS	P1	RELEASE DATE	2018/04/13 03:50:59

FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18



参考基板レイアウト
RECOMMENDED PCB
PATTERN DIMENSIONS(REF.)

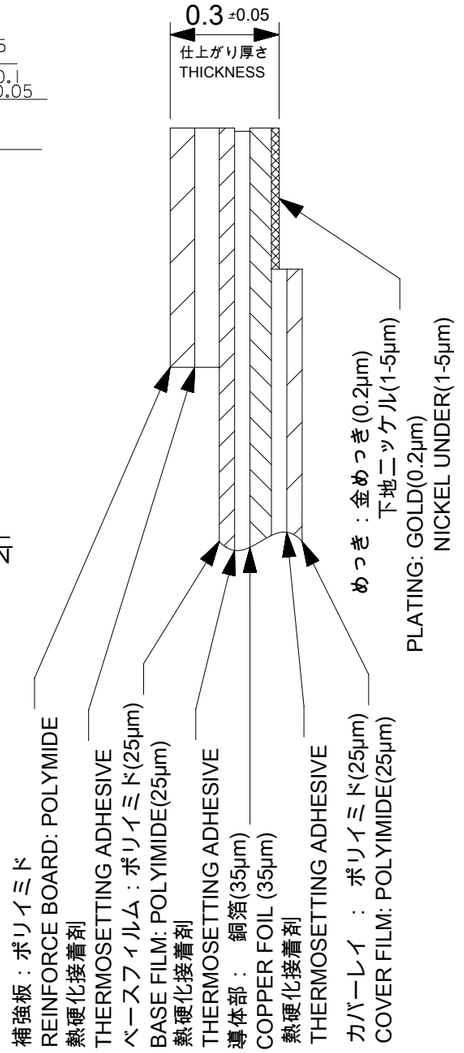
(SCALE 5:1)



(仕上り厚さ: 0.3±0.05)
(THICKNESS:0.3±0.05)

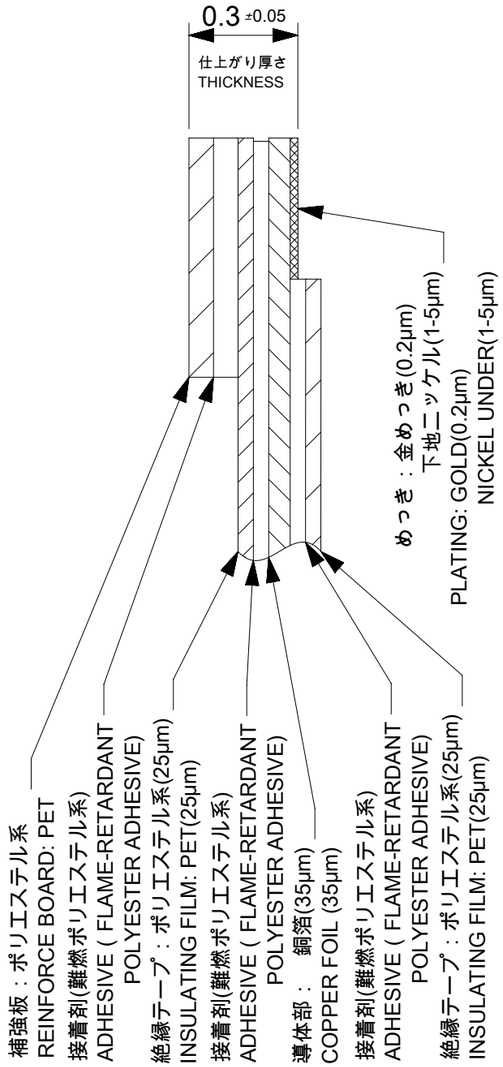
適合FPC/FFC推奨寸法

APPLICABLE FPC/FFC RECOMMENDED DIMENSION



FPC構成推奨仕様

RECOMMENDED STRUCTURE OF FPC



FFC構成推奨仕様

RECOMMENDED STRUCTURE OF FFC

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 NYLON、UL94V-0
   HOUSING
   アクチュエータ : PPS、UL94V-0
   ACTUATOR
   ターミナル : リン青銅(t=0.25)
   TERMINAL PHOS-BRO(t =0.25)
   メッキ : 接点部： 金メッキ： 0.1マイクロメートル以上
   PLATING CONTACT PORTION: GOLD PLATING: 0.1 MICROMETER MIN.
   : 半田付け部 : 錫メッキ： 1.0マイクロメートル以上
   SOLDER PORTION: TIN PLATING: 1.0 MICROMETER MINIMUM
   : 下地: ニッケルメッキ： 1.0マイクロメートル以上
   UNDER PLATING : NICKEL PLATING : 1.0 MICROMETER MIN.
   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 PLATING : 1.0 MICROMETER MIN.
   : 下地：ニッケルメッキ： 1.0マイクロメートル以上
   UNDER PLATING: NICKEL PLATING: 1.0 MICROMETER MIN.
3. パターンはくり止め用金具
   FITTING NAIL FOR PREVENTION OF FOOT PRINT 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。
   IN THE PACKAGE,ACTUATOR OF PART NO.54550-**29 SHOULD BE LOCKED.
5. 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.
6. パターン書き込み禁止エリア。
   NO FOOT PRINT AREA.

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.

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	

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	± 0.25
2 PLACES	± 0.3
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REVISED

EC NO:	600129	
DRWN:	YCHEN128	2018/04/11
CHK'D:	KTAKAHASHI	2018/04/12
APPR:	NUKITA	2018/04/13

INITIAL REVISION:

DRWN:	MUMEDA	2005/03/29
APPR:	NUKITA	2005/04/06

molex

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

PRODUCT CUSTOMER DRAWING

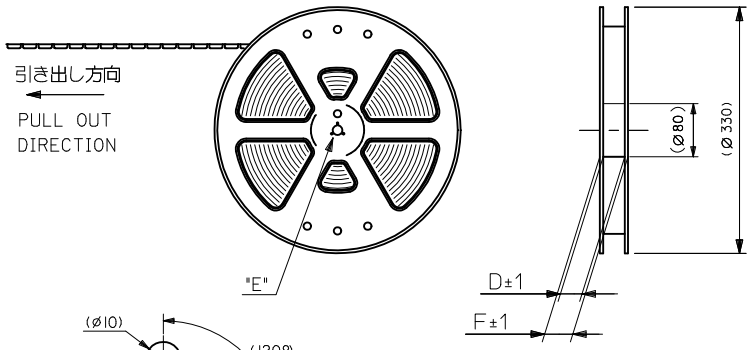
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52271-038	PSD	001	G

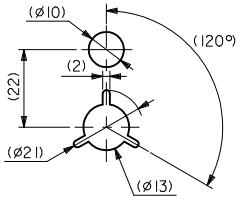
THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	52271

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

DOCUMENT STATUS	P1	RELEASE DATE	2018/04/13 03:50:59

FORMAT: master_Sheet-A3
REVISION: H
DATE: 2018/01/18

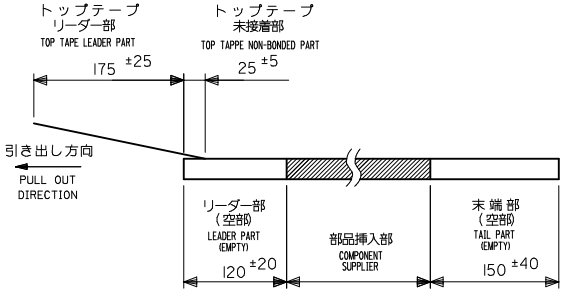




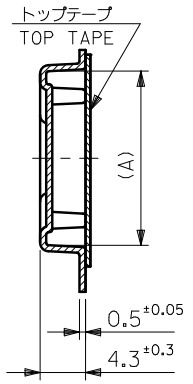
DETAIL "E"

NOTES

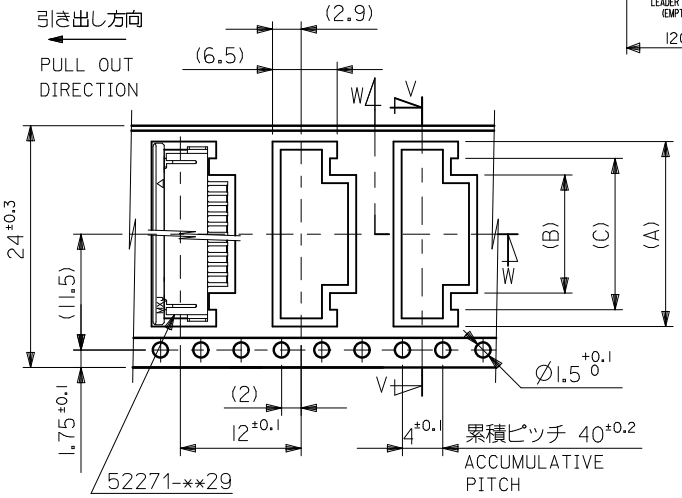
1. 製品番号 52271-**29 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については 図面 SD-52271-038 を参照下さい。
IN THE PACKAGE, AUTUATOR OF PART NO. 52271-**29 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52271-038.
2. 梱包数量：1000個／リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

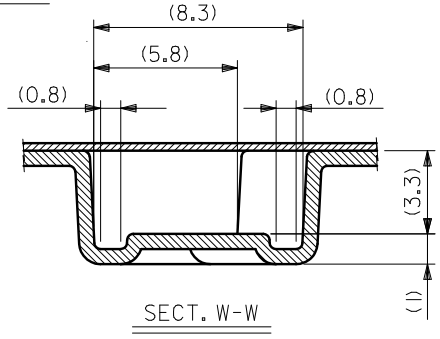


4. カバーテープの剥離強度については、IEC60286-3に準拠
COVER TAPE PEEL FORCE IS DEFINED
BY IEC60286-3
5. 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE
WITH DESICCANT.



SECT. V-V





SECT. W-W

24	29.4	25.4	15	11.4	18.3	52271-1169	11
			14	10.4	17.3	52271-1069	10
			12	8.4	15.3	52271-0869	8
			11	7.4	14.3	52271-0769	7
			10	6.4	13.3	52271-0669	6
			9	5.4	12.3	52271-0569	5
			8	4.4	11.3	52271-0469	4
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED
EC NO: J2010-2474 2010/06/08
DRWN:YUHASEGAWA 2010/06/08
CH'KD:K.TOYODA 2010/06/09
APPR:KMORIKAWA
DESCRIPTION
G
REV

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: M.UMEDA DATE: 2005/03/08
CHECKED BY: K.TOYODA DATE: 2005/03/08
APPROVED BY: N.UKITA DATE: 2005/03/08
MATERIAL NO.: SEE TABLE

MODEL NO.: 52271-**69

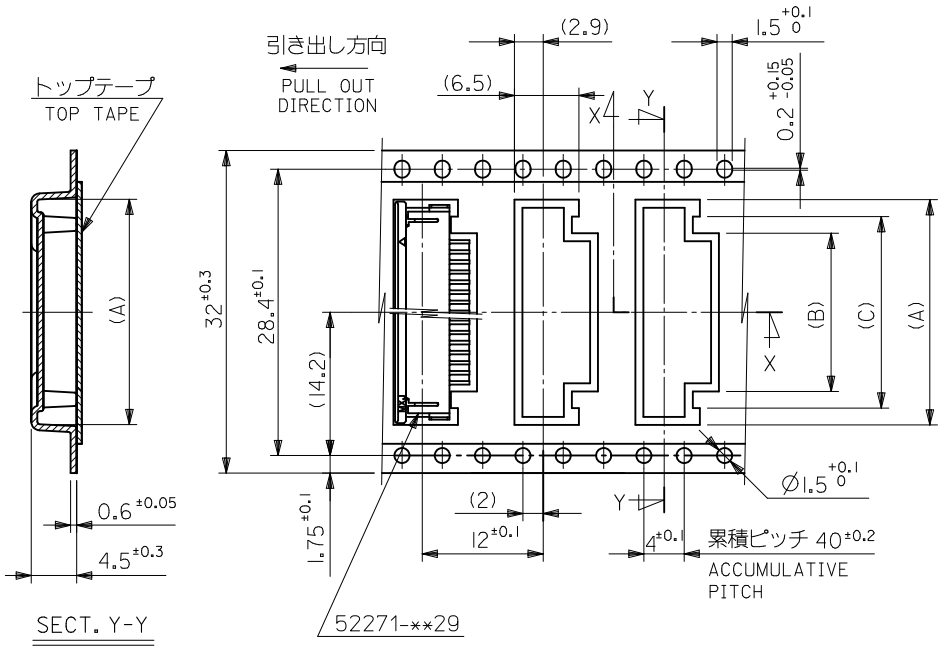
TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-

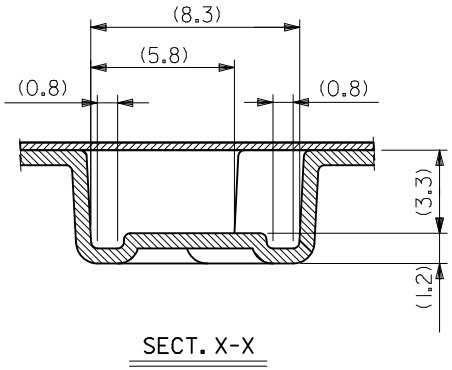
MOLEX INCORPORATED

DOCUMENT NO.: SD-52271-039
SHEET NO.: 1 OF 4

SIZE A3

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





32	37.4	33.4	20	16.4	23.35	52271-1669	16
			19	15.4	22.35	52271-1569	15
			18	14.4	21.35	52271-1469	14
			17	13.4	20.35	52271-1369	13
			16	12.4	19.35	52271-1269	12
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED
EC NO: J2010-2474 2010/06/08
DRWN:YUHASEGAWA 2010/06/08
CH'KD:K.TOYODA 2010/06/09
APPR:KMORIKAWA
DESCRIPTION
G
REV

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: M.UMEDA DATE: 2005/03/08
CHECKED BY: K.TOYODA DATE: 2005/03/08
APPROVED BY: N.UKITA DATE: 2005/03/08

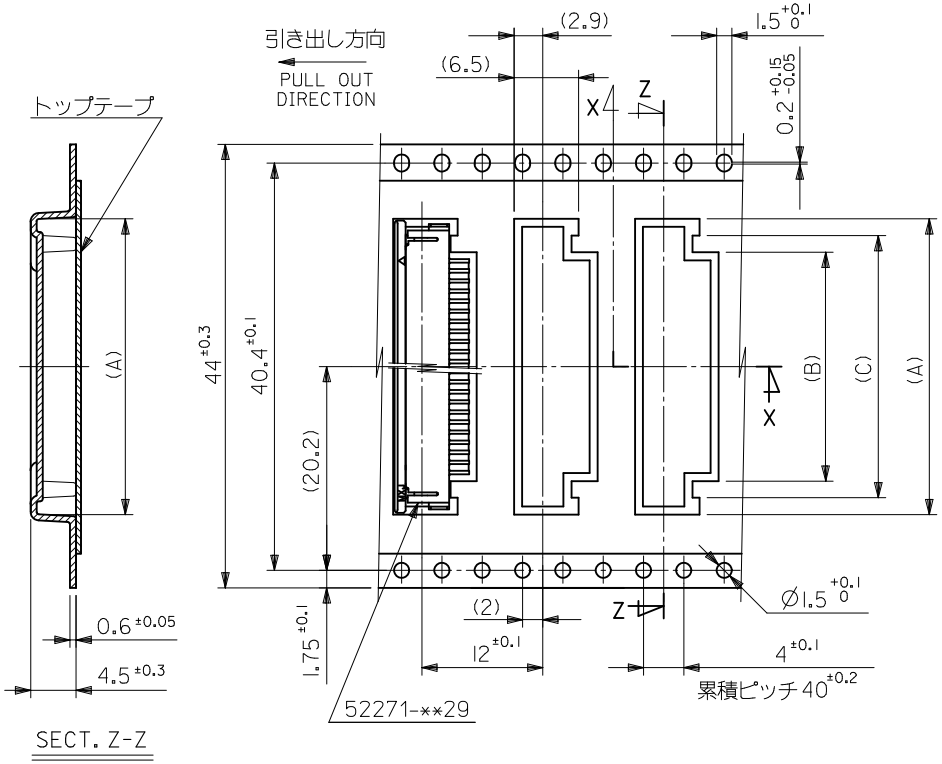
TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-

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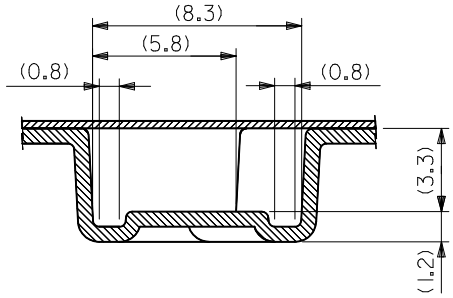
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52271-039
SHEET NO.: 2 OF 4

SIZE A3

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



SECT. Z-Z



SECT. X-X

キャリアテープ幅	F	D	(C)	(B)	(A)	MATERIAL NO.	極数
44	49.4	45.4	31	27.4	34.35	52271-2769	27
			29	25.4	32.35	52271-2569	25
			28	24.4	31.35	52271-2469	24
			26	22.4	29.35	52271-2269	22
			25	21.4	28.35	52271-2169	21
			24	20.4	27.35	52271-2069	20
			23	19.4	26.35	52271-1969	19
			22	18.4	25.35	52271-1869	18
			21	17.4	24.35	52271-1769	17

REVISED
EC NO: J2010-2474 2010/06/08
DRWN:YUHASEGAWA 2010/06/08
CH'KD:K.TOYODA 2010/06/09
APPR:KMORIKAWA
DESCRIPTION
G
REV

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: M.UMEDA DATE: 2005/03/08
CHECKED BY: K.TOYODA DATE: 2005/03/08
APPROVED BY: N.UKITA DATE: 2005/03/08

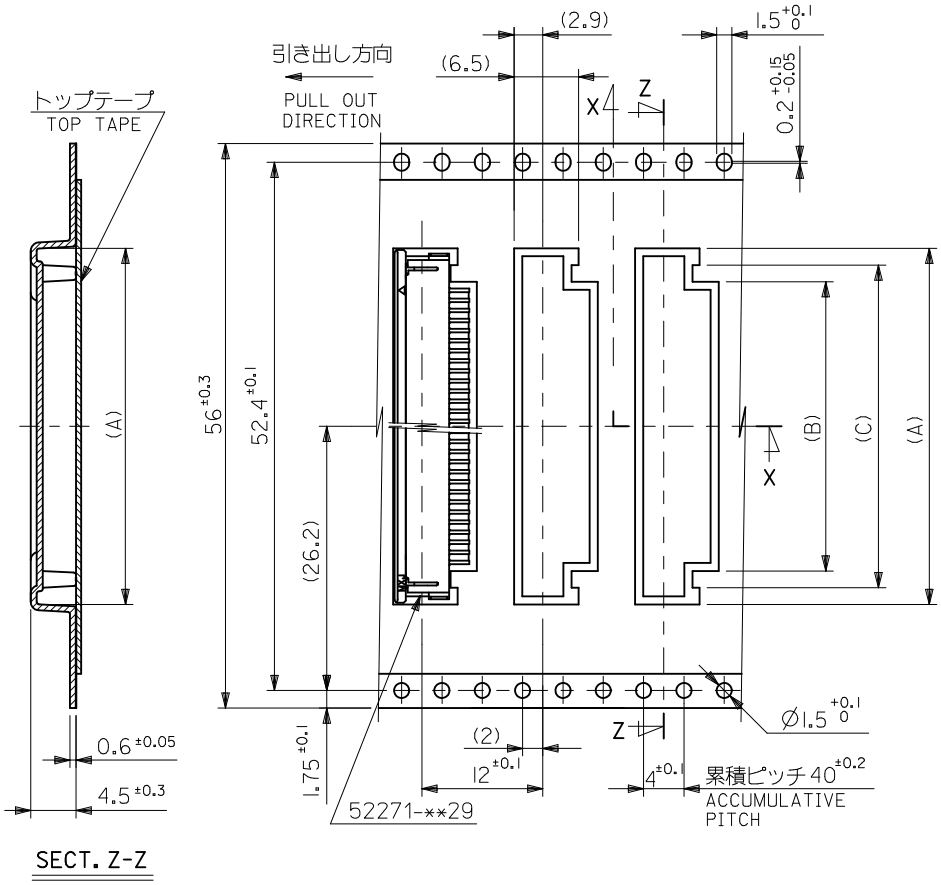
TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-

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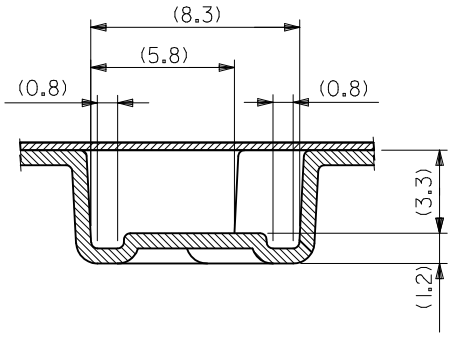
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52271-039
SHEET NO.: 3 OF 4

SIZE A3

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SECT. Z-Z



SECT. X-X

56	61.4	57.4	34	30.4	37.35	52271-3069	30
			32	28.4	35.35	52271-2869	28
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED
EC NO: J2010-2474 2010/06/08
DRWN:YUHASEGAWA 2010/06/08
CH'KD:K.TOYODA 2010/06/09
APPR:KMORIKAWA
DESCRIPTION
REV G

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: M.UMEDA DATE: 2005/03/08
CHECKED BY: K.TOYODA DATE: 2005/03/08
APPROVED BY: N.UKITA DATE: 2005/03/08

TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52271-039
SHEET NO.: 4 OF 4
SIZE: A3

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