



产品编号 : 522710569

系列号 : 52271

Product Category : FFC / FPC Connectors

Product Description : Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Right-Angle, Bottom Contact, 3.00mm Height, 5 Circuits, Gold Plating

状态 : Active

文件和资源

图纸

图纸 522710569_sd.pdf

3D 模型和设计文件

3D模型 522710569_stp.zip

规格


应用规格 AS-52271-001-001.pdf

包装规格 SPK-52271-002-001.pdf

产品规格 PS-52271-054-001.pdf

产物环境合规

合规

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	FFC / FPC Connectors
系列	52271
说明	Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Right-Angle, Bottom Contact, 3.00mm Height, 5 Circuits, Gold Plating
产品系列	Slider
产品系列	Easy-On FFC FPC Connectors
产品名称	Easy-On
UPC	822350013949

机构

CSA	LR19980
UL	E29179

电气

每触点最大电流	0.5A
电压 - 最大	50V

物理

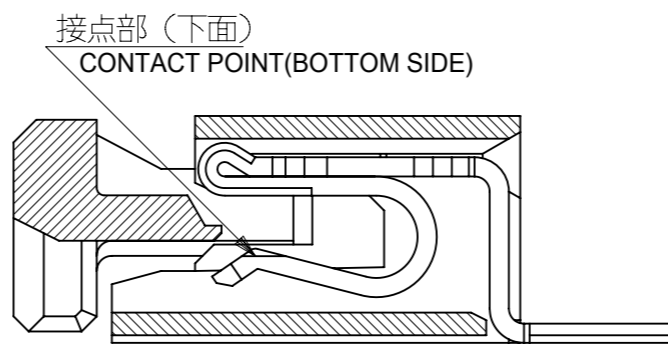
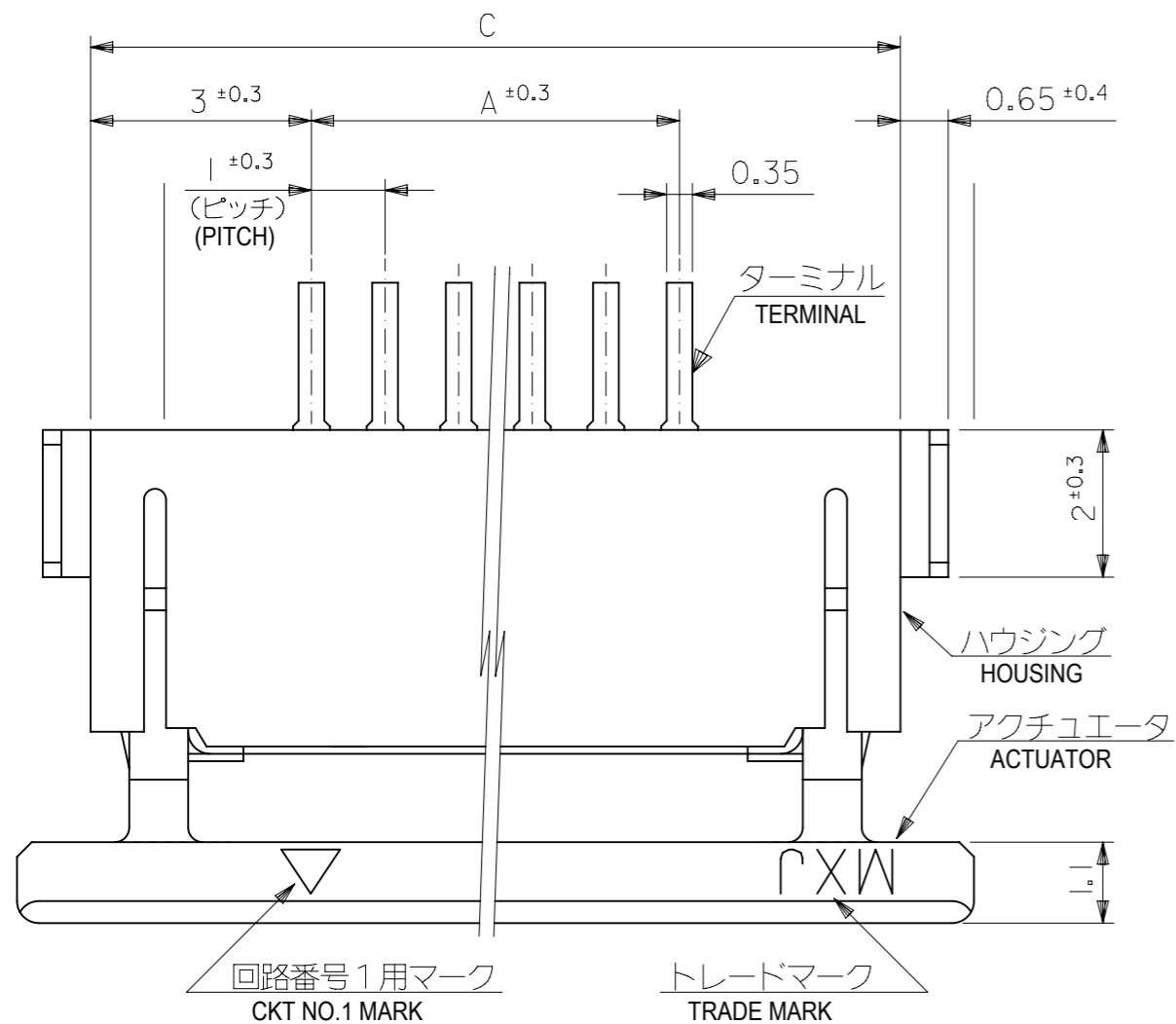
驱动器类型	Slider
回路数 (已载入)	5
电路数 (最多)	5
颜色-树脂	Natural
接触部位	底部
耐用性(插拔次数) - 最多次数	30
阻燃性	94V-0
插配长度	3.00mm
材料 - 金属	Phosphor Bronze

材料 - 接合部位电镀	金牌
材料 - 终端电镀	Tin
材料 - 树脂	Nylon
净重	317.975/mg
方向	Right Angle
包装形式	Embossed Tape on Reel
PCB 定位器	否
PCB安装	Surface Mount
PCB 保持力	是
间距 - 插配接口	1.00mm
间距 - 终端界面	1.00mm
PCB 极性	是
可堆叠的	否
运行温度范围	-40° to +85° C
导线/电缆型号	FFC/FPC

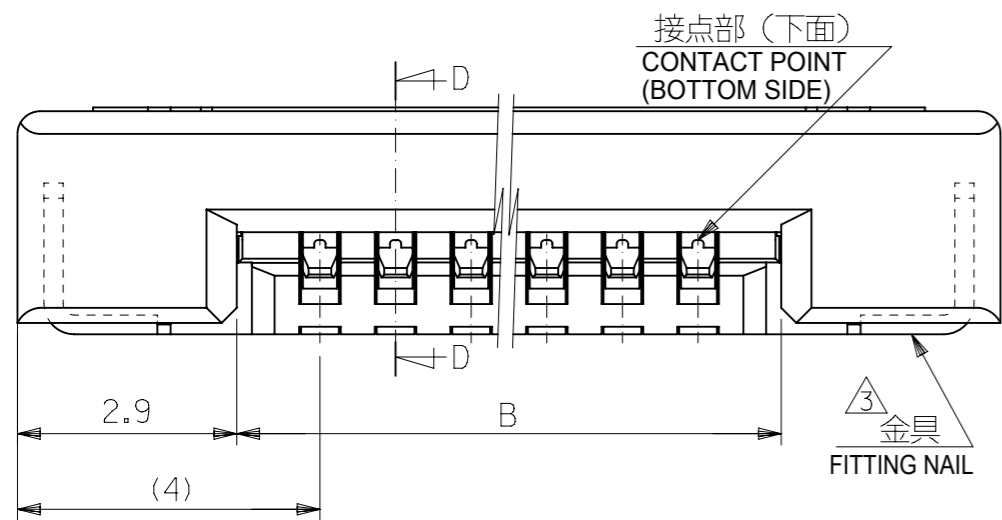
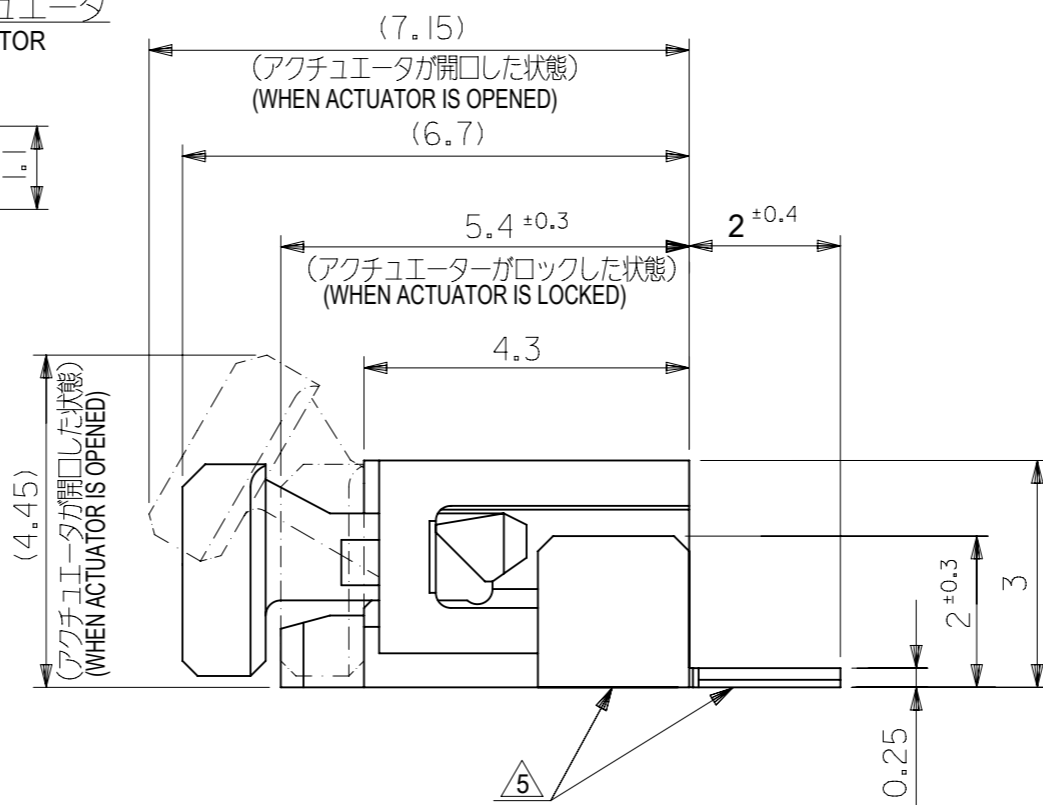
可配插/可连接使用的产品

可配插部件

描述	产品编号
1.00mm Pitch Premo-Flex FFC Jumpers	<u>15039</u>



SECT.D-D



35	31.2	29	52271-3069	30
34	30.2	28	52271-2969	29
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.	

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

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 UNITS	SCALE	CURRENT REV DESC: REVISED	
mm	10:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 600129	
ANGULAR TOL	± 30 °	DRWN: YCHEN128	2018/04/11
4 PLACES	± 0.2	CHK'D: KTAKAHASHI	2018/04/12
3 PLACES	± 0.25	APPR: NUKITA	2018/04/13
2 PLACES	± 0.3	INITIAL REVISION:	
1 PLACE	±	DRWN: MUMEDA	2005/03/29
0 PLACES	±	APPR: NUKITA	2005/04/06
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			A3-SIZE
		SERIES	52271
		MATERIAL NUMBER	SEE TABLE
		CUSTOMER	GENERAL MARKET
		DOCUMENT NUMBER	SD-52271-038
		DOC TYPE	PSD
		DOC PART	001
		REVISION	G
		SHEET NUMBER	1 OF 2

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-52271-038

DOC TYPE: PSD

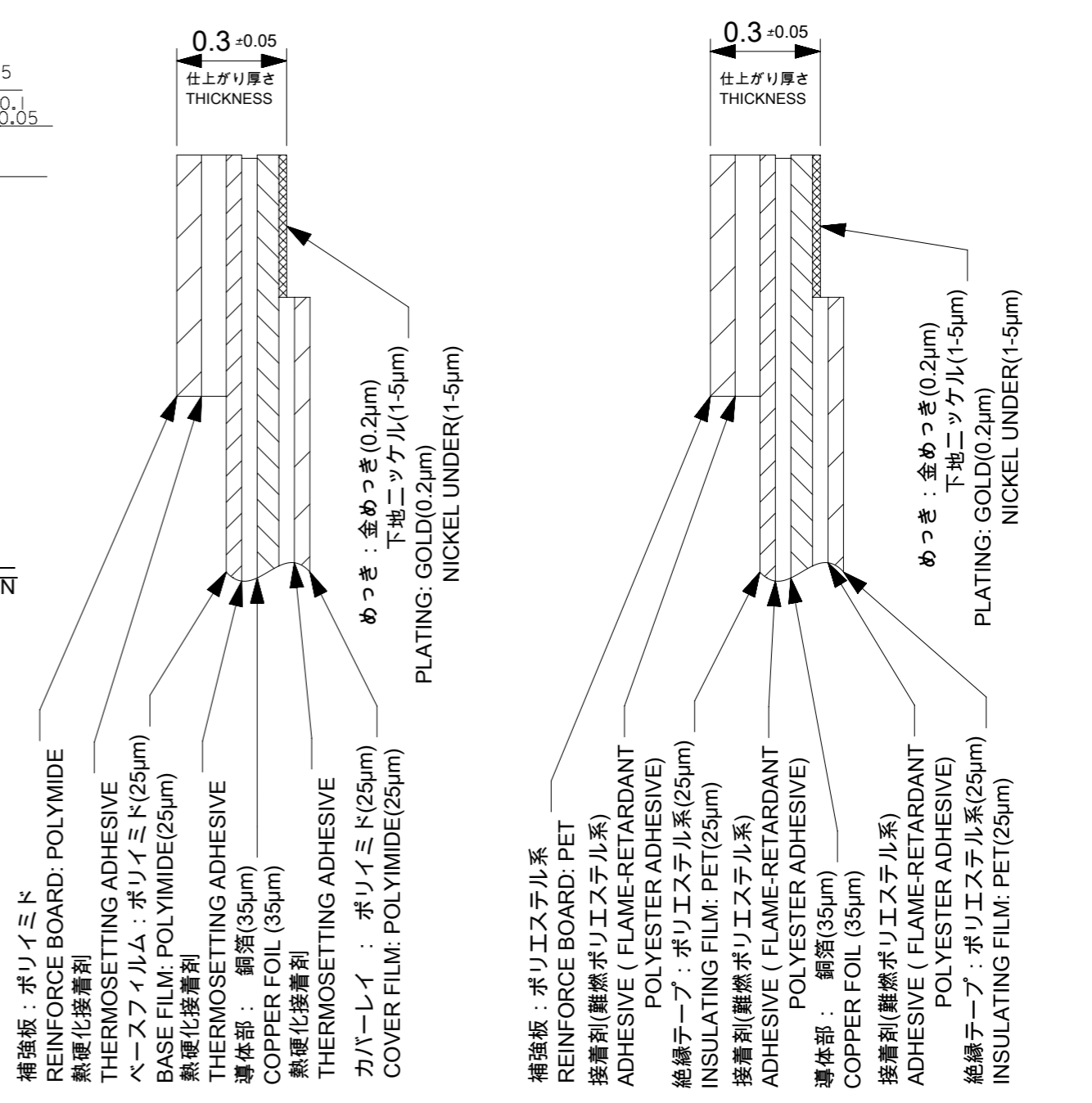
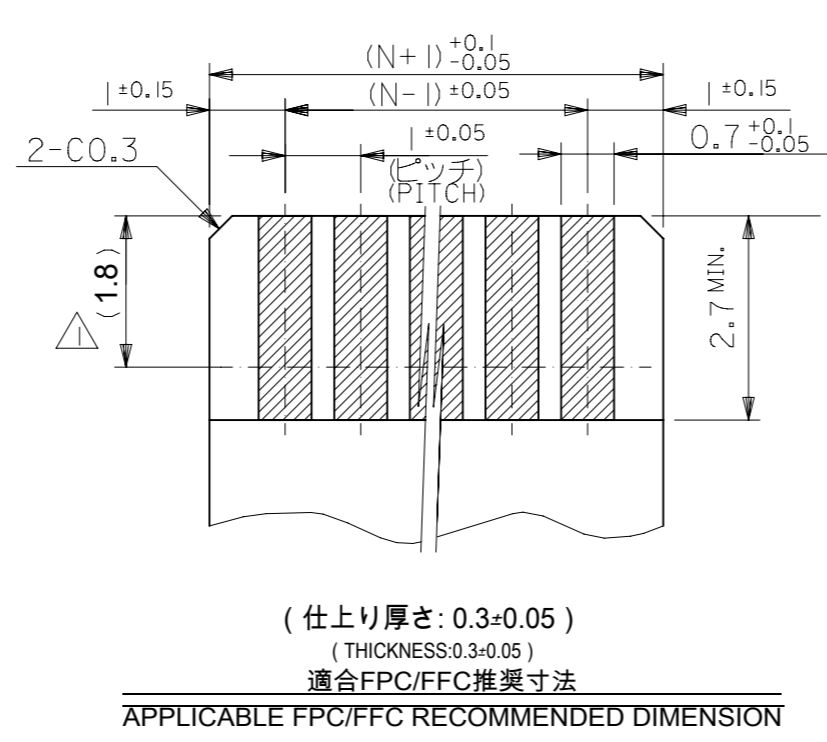
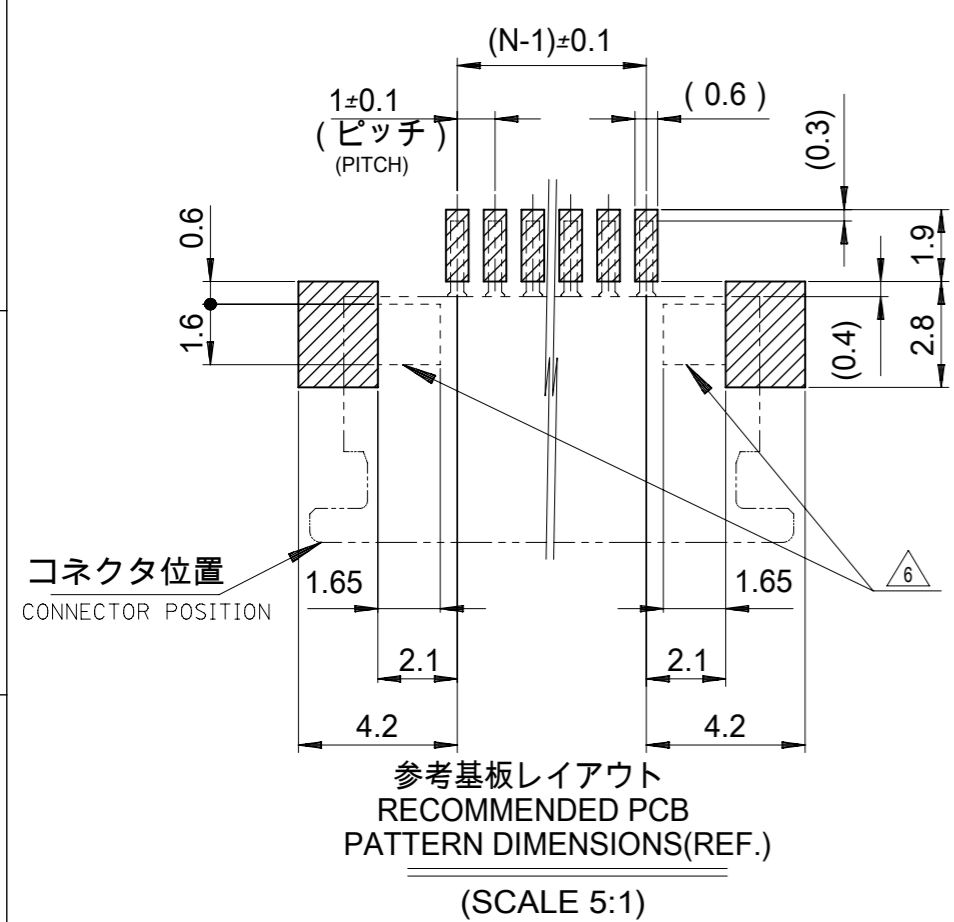
DOC PART: 001

REVISION: G

MATERIAL NUMBER: SEE TABLE

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 2



注記: NOTES

- 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
- 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.
- 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.
- エンボステーブ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.
- 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.
- パターン書き込み禁止エリア。
NO FOOT PRINT AREA.

FPC構成推奨仕様
RECOMMENDED STRUCTURE OF FPC

FFC構成推奨仕様
RECOMMENDED STRUCTURE OF FFC

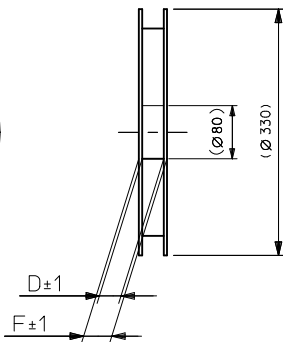
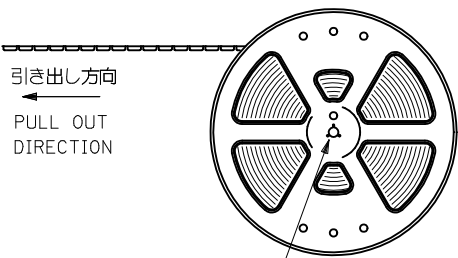
FPC/FFCについて:
抜き方向は、導体側から補強板側を推奨致します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、
染み出しが無い様お願い致します。

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.

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		CURRENT REV DESC: REVISED	
DIMENSION UNITS: mm	SCALE: 10:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 600129	
ANGULAR TOL ± 30 °		DRWN: YCHEN128 2018/04/11	
4 PLACES ± 0.2		CHK'D: KTAKAHASHI 2018/04/12	
3 PLACES ± 0.25		APPR: NUKITA 2018/04/13	
2 PLACES ± 0.3		INITIAL REVISION:	
1 PLACE ±		DRWN: MUMEDA 2005/03/29	
0 PLACES ±		APPR: NUKITA 2005/04/06	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE
		SERIES: 52271	MATERIAL NUMBER: SEE TABLE
		CUSTOMER: GENERAL MARKET	SHEET NUMBER: 2 OF 2

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



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, ACTUATOR OF PART NO. 52271-**29 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52271-038.

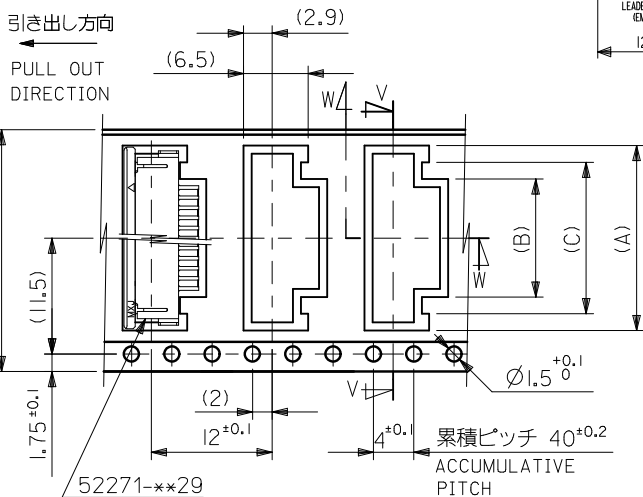
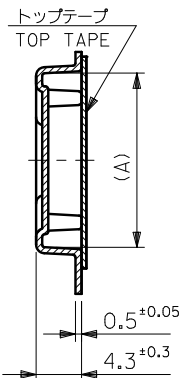
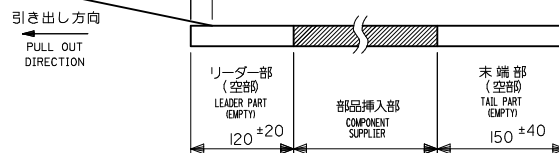
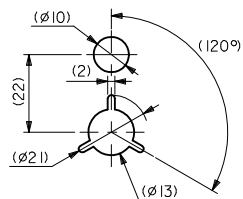
2. 梱包数量：1000個/リール
NUMBER OF CONNECTORS：1000 PCS/REEL

3. リードテープ長さ LEAD TAPE LENGTH
トップテープ リーダー部 TOP TAPE LEADER PART 175 ±25
トップテープ 未接層部 TOP TAPE NON-BONDED PART 25 ±5

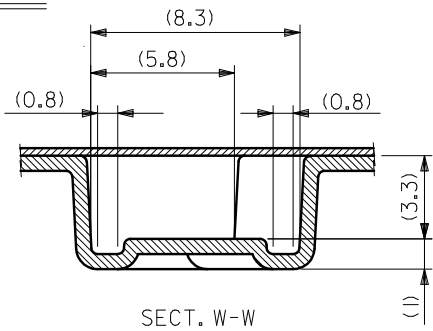
4. カバーテープの剥離強度については、IEC60286-3に準拠
COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3

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 (TOP TAPE)：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>

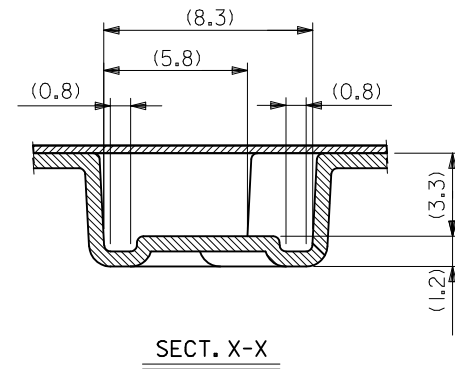
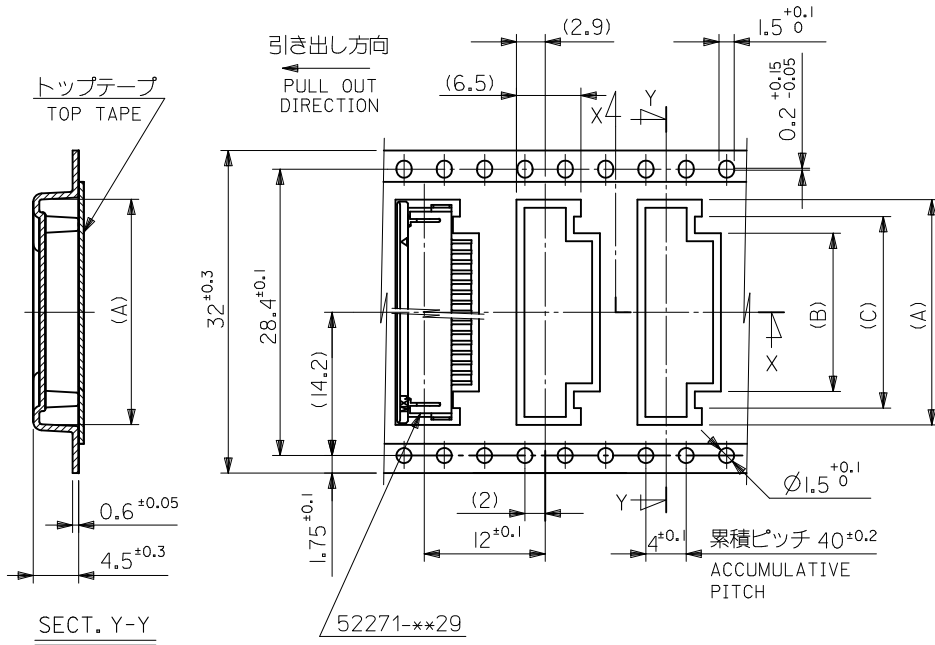
6. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.



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

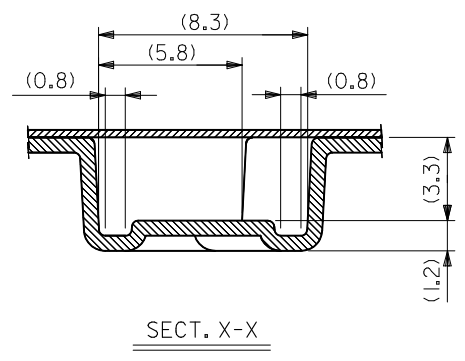
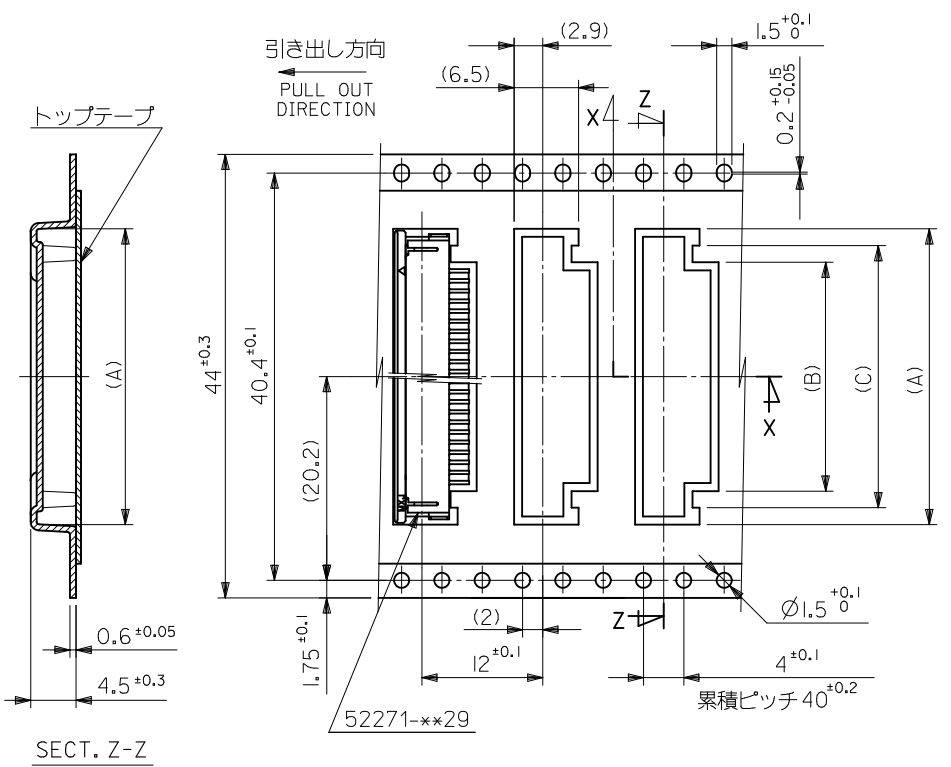


REVISED EC NO: J2010-2474 DRWN: YUHASEGAWA 2010/06/08 CHKD: K. TOYODA 2010/06/08 APPR: KMORI KAWA 2010/06/09	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		MODEL NO. 52271-**69		
		10 UNDER	±0.2	DRAWN BY M. UEDA	DATE 2005/03/08	TITLE EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-						
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA	DATE 2005/03/08	MOLEX INCORPORATED						
		30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2005/03/08							
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-52271-039		SHEET NO. 1 OF 4				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												



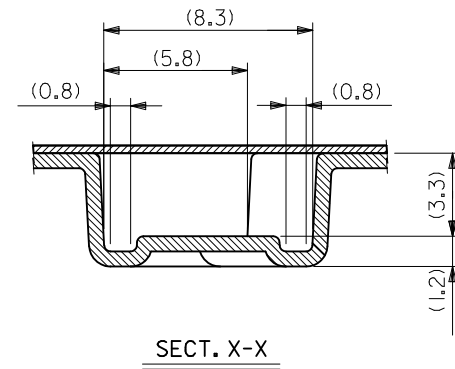
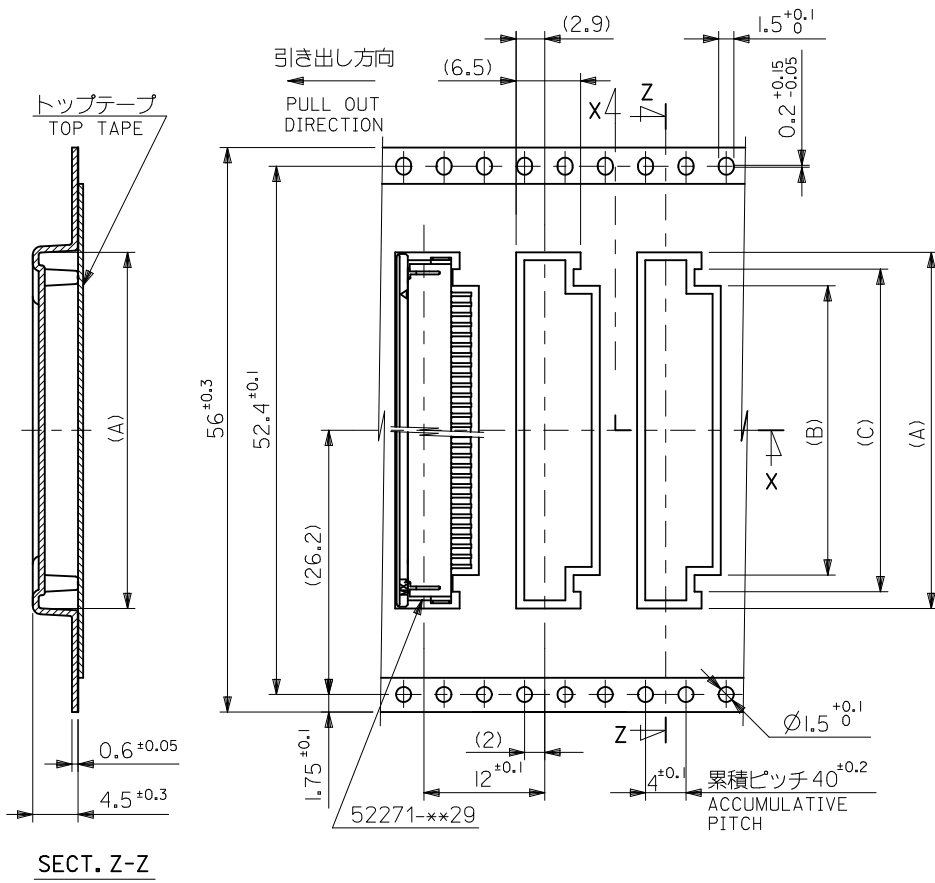
32	37.4	33.4	20	16.4	23.35	52271-1669	16		
			19	15.4	22.35	52271-1569	15		
			18	14.4	21.35	52271-1469	14		
			17	13.4	20.35	52271-1369	13		
			16	12.4	19.35	52271-1269	12		
キャリアテープ幅 CARRIER TAPE WIDTH			F	D	(C)	(B)	(A)	MATERIAL NO.	種数 CKT.

REVISED EC NO: J2010-2474 DRWN: YUHASEGAWA 2010/06/08 CHKD: K. TOYODA 2010/06/08 APPR: KMORIKAWA 2010/06/09	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE EMBOSSSED TAPE PACKAGE FOR 52271-**-29 -LEAD FREE-						
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE	MOLEX INCORPORATED						
		30 OVER	±0.3	APPROVED BY	DATE	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52271-039		2 OF 4		
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



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		
キャリアテープ幅			F	D	(C)	(B)	(A)	MATERIAL NO.	極数

REVISED EC NO: J2010-2474 DRWN: YUHASEGAWA 2010/06/08 CHK'D: K. TOYODA 2010/06/08 APPR: KMORIKAWA 2010/06/09	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER	±0.2	DRAWN BY M.UMEDA	DATE 2005/03/08	TITLE EMBOSSD TAPE PACKAGE FOR 52271-**29 -LEAD FREE-			
	10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYODA	DATE 2005/03/08	MOLEX INCORPORATED			
	30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2005/03/08	DOCUMENT NO. SD-52271-039			
	ANGULAR ±3 °		MATERIAL NO. SEE TABLE		SHEET NO. 3 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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.	種数 CKT.

REVISED EC NO: J2010-2474 DRWN: YUHASEGAWA 2010/06/08 CH'KD: K. TOYODA 2010/06/08 APPR: KMORIKAWA 2010/06/09	DESCRIPTION 10 UNDER ±0.2 10 OVER 30 UNDER ±0.25 30 OVER ±0.3 ANGULAR ±3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		DRAWN BY M. UMEDA		DATE 2005/03/08		TITLE EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-				
		CHECKED BY K. TOYODA		DATE 2005/03/08		MOLEX INCORPORATED				
		APPROVED BY N. UKITA		DATE 2005/03/08		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-52271-039		SHEET NO. 4 OF 4
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								