



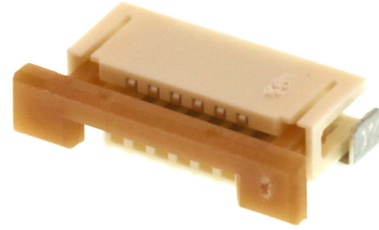
产品编号 : [522710679](#)

**Product Description** : Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Right-Angle, Bottom Contact, 3.00mm Height, 6 Circuits, Tin-Bismuth Plating

系列号 : 52271

状态 : Active

**Product Category** : FFC / FPC Connectors



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## 文件和资源

### 图纸

[图纸 522710679\\_sd.pdf](#)

### 3D 模型和设计文件

[3D模型 522710679\\_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-52271-053-001.pdf](#)

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## 产物环境合规

### 合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### 多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

### 多部分行业合规性文件

- 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, 6Circuits, Tin-Bismuth Plating
产品系列	Slider
产品系列	Easy-On FFC FPC Connectors
产品名称	Easy-On
UPC	822348147656

### 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)	6
电路数 (最多)	6
颜色-树脂	Natural
接触部位	底部
耐用性 (插拔次数) - 最多次数	30

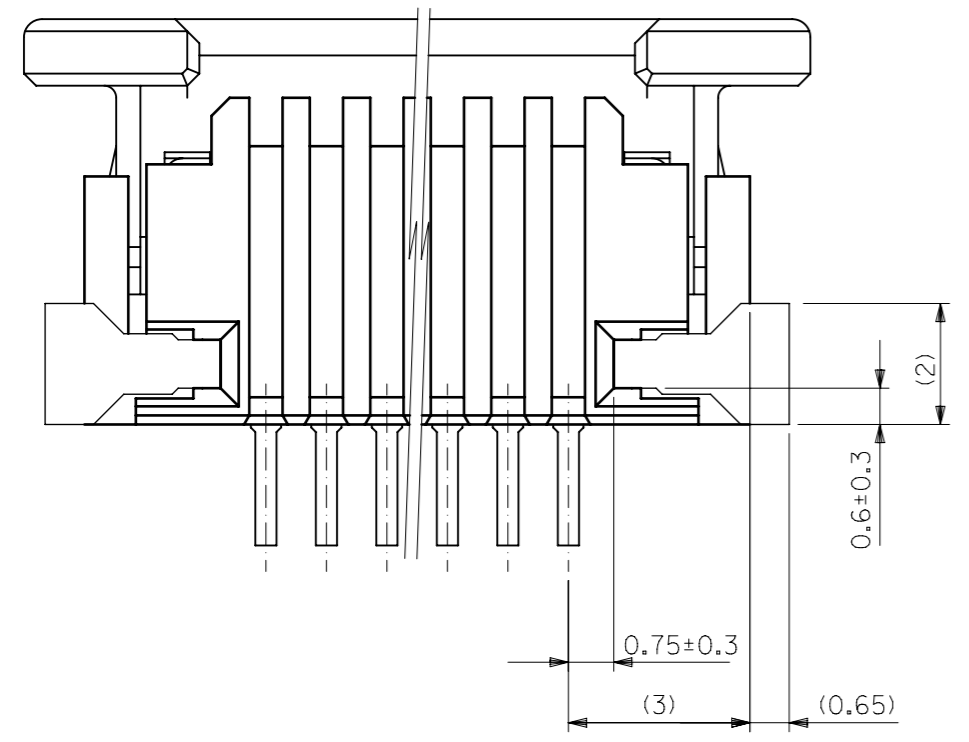
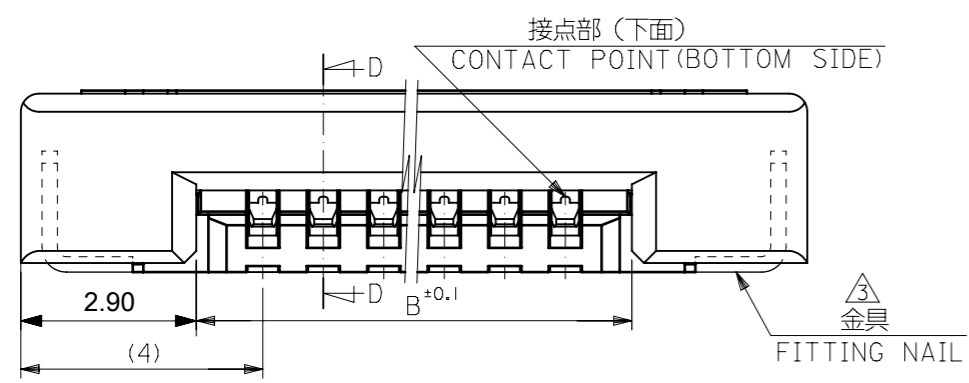
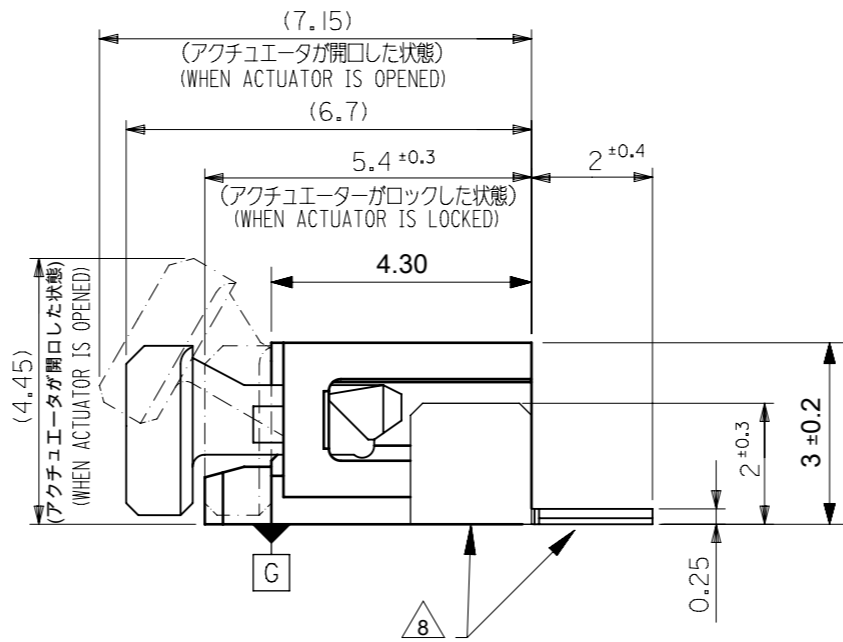
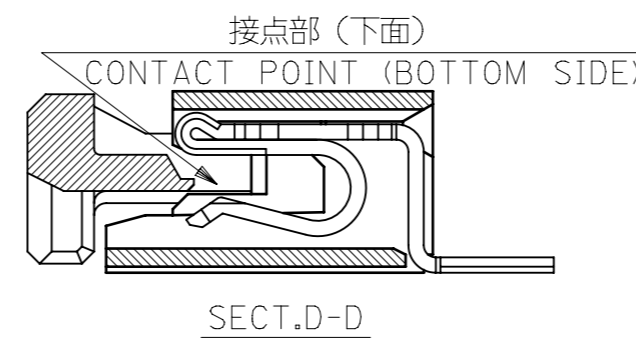
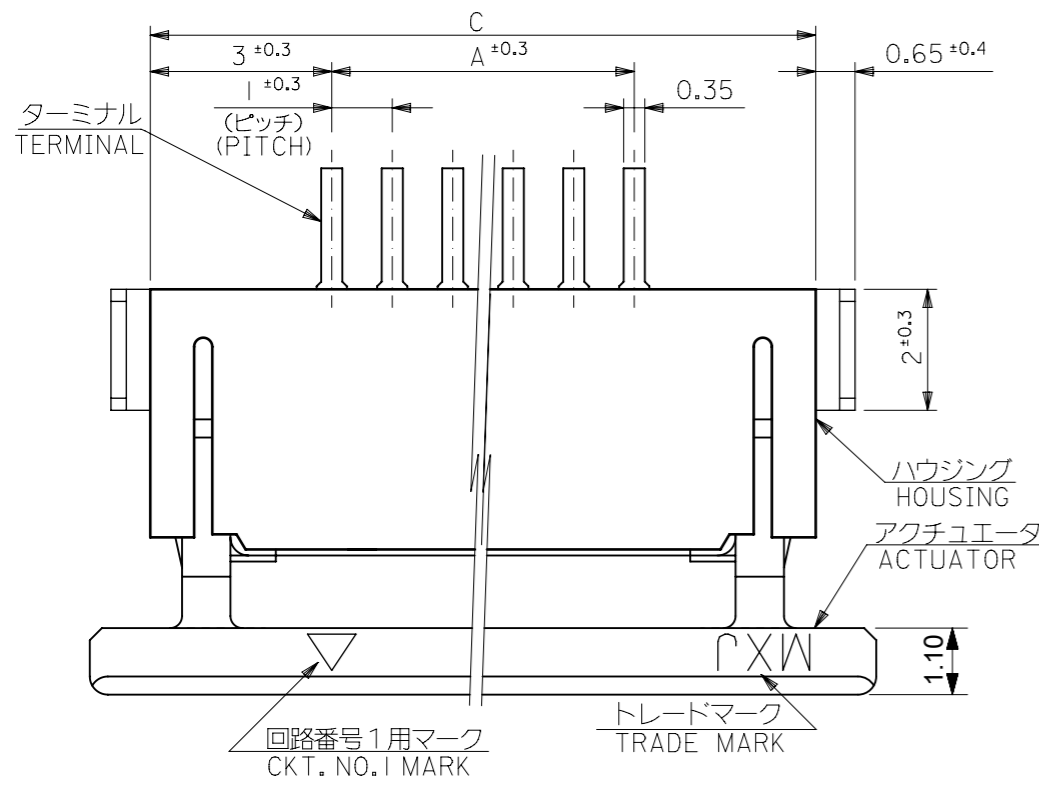
阻燃性	94V-0
插配长度	3.00mm
材料 - 金属	Phosphor Bronze
材料 - 接合部位电镀	Tin-Bismuth
材料 - 终端电镀	Tin-Bismuth
材料 - 树脂	Nylon
净重	354.144/mg
方向	Right Angle
包装形式	Embossed Tape on Reel
PCB 定位器	否
PCB安装	Surface Mount
PCB 保持力	是
间距 - 插配接口	1.00mm
间距 - 终端界面	1.00mm
PCB 极性	是
可堆叠的	否
运行温度范围	-40° to +85° C
导线/电缆型号	FFC/FPC

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## 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>15167</u>
1.00mm Pitch Premo-Flex FFC Jumpers	<u>15267</u>
1.00mm Pitch Premo-Flex FFC Jumpers	<u>98267</u>

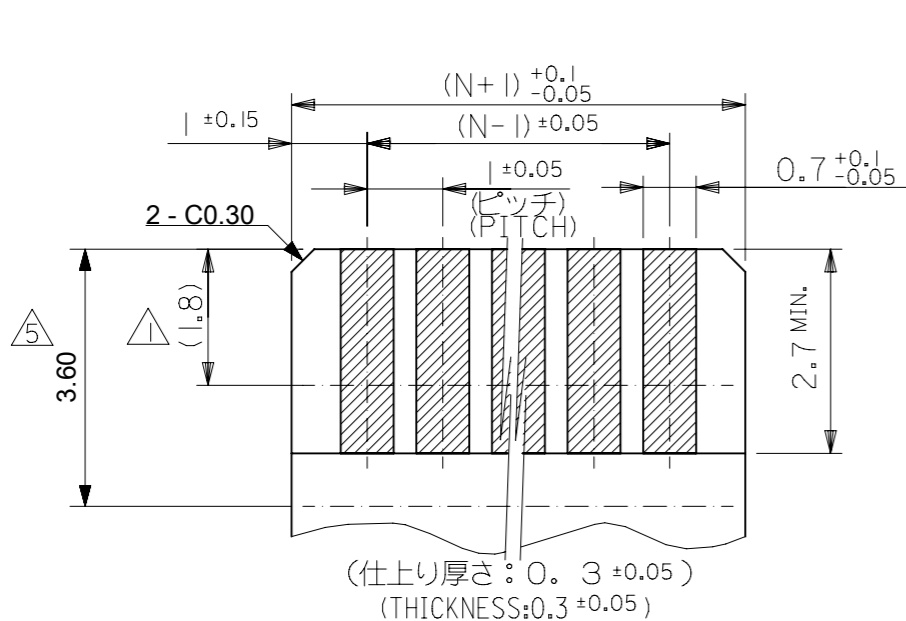


注記 NOTES

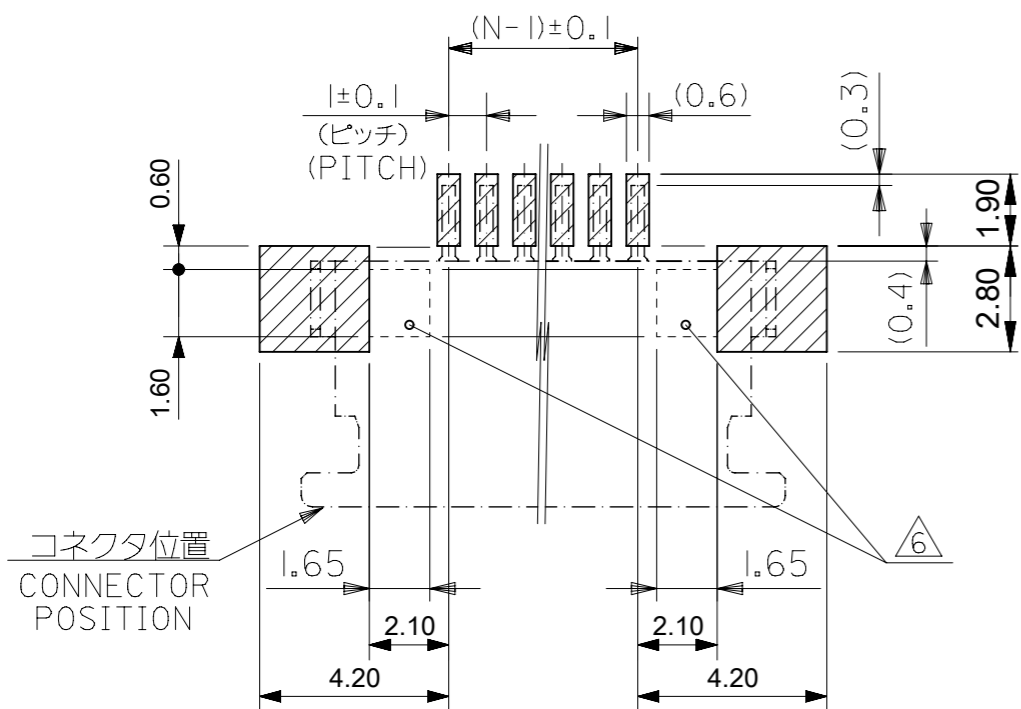
- △ 接点部までの嵌合長さ。  
LENGTH TO CONTACT POINT.
- 2. 使用材料 MATERIAL  
ハウジング : 46ナイロン, UL94V-0  
HOUSING : 46NYLON, UL94V-0  
アクチュエータ : PPS, UL94V-0  
ACTUATOR : PPS, UL94V-0  
ターミナル : リン青銅 (t=0.25)  
TERMINAL : PHOS-BRO.(t=0.25)  
メッキ : 錫ビスマスメッキ 1. 0マイクロメートル以上  
PLATING : TIN-BISMUTH 1.0 MICROMETER MINIMUM  
メッキ : 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  
メッキ : 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 SHIPPED, 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 5 2 2 7 1 - \* \* 9 0 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	CKT No.
			Order No.	

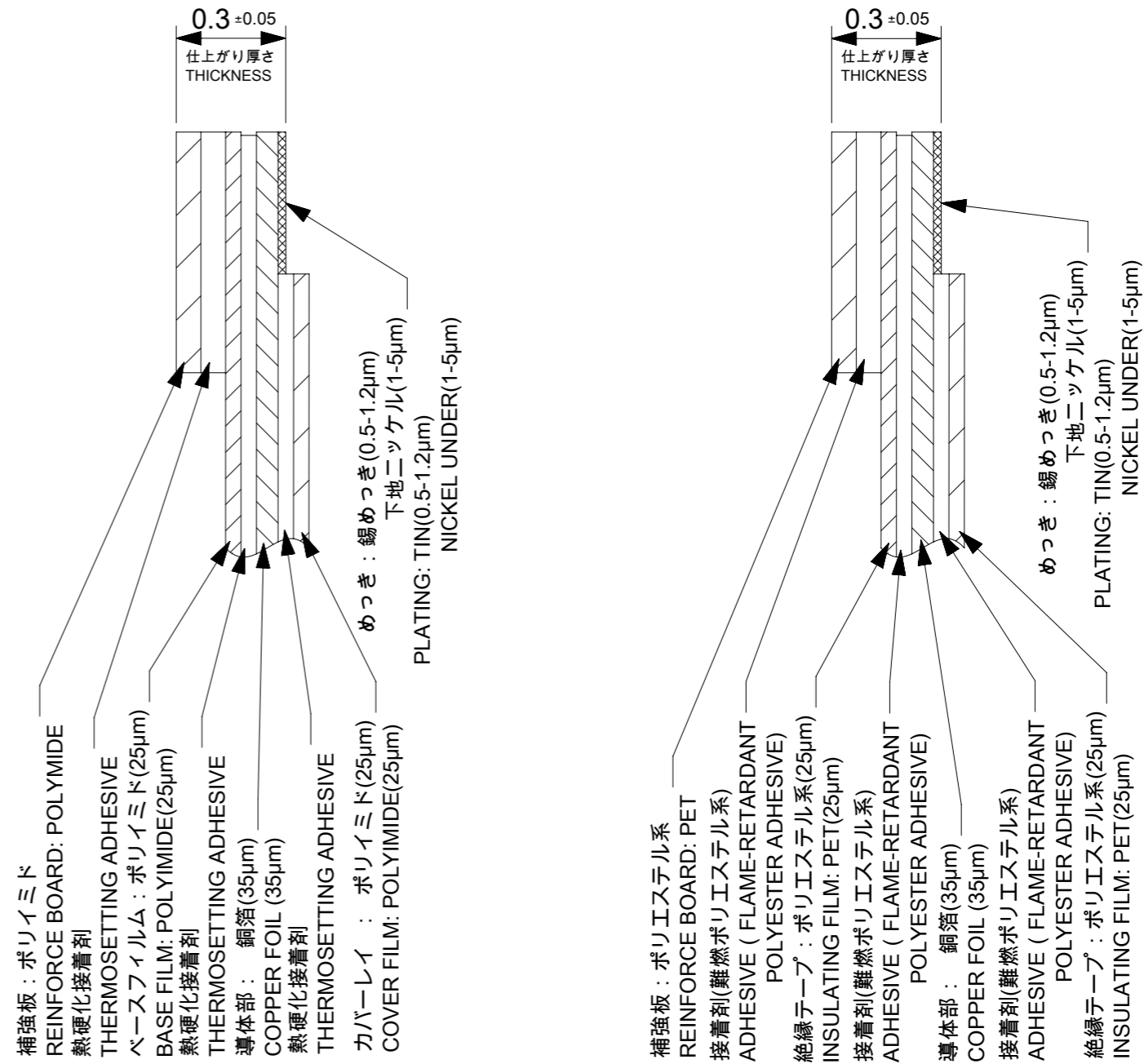
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<b>molex</b>	
DIMENSION UNITS	SCALE	EC NO: 672151			
mm	8:1	DRWN: DGONDO 2021/08/02			
GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: TKON 2021/08/03			
ANGULAR TOL	± 3.0°	APPR: SHOSHIKAWA 2021/08/03			
4 PLACES	± 0.2	INITIAL REVISION:			
3 PLACES	± 0.2	DRWN: HKAWABATA 2004/03/18			
2 PLACES	± 0.2	APPR: MSASAO 2004/03/19			
1 PLACE	± 0.25	DOCUMENT NUMBER			
0 PLACES	± 0.3	SD-52271-036			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	52271	SEE TABLE
					CUSTOMER
					GENERAL MARKET
					SHEET NUMBER
					1 OF 2



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

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.

FFC構成推奨仕様

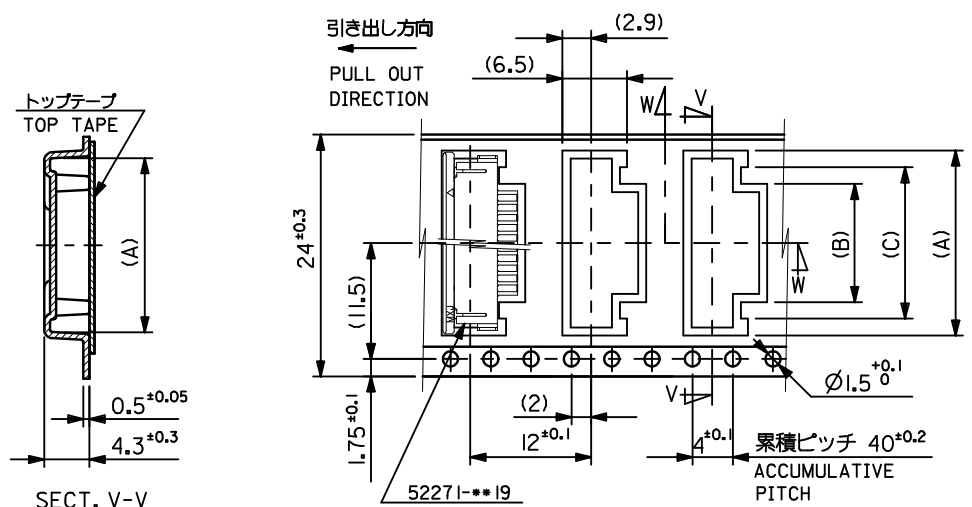
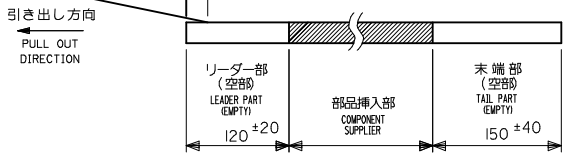
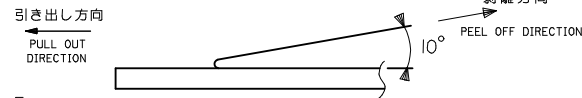
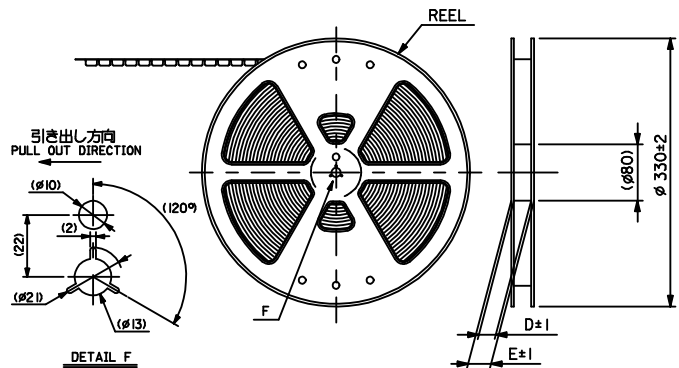
RECOMMENDED STRUCTURE OF FFC

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<b>molex</b>	
DIMENSION UNITS	SCALE				
mm	10:1			1.0 FPC CONN ZIF SMT (BOTTOM CONTACT) -LEAD FREE-	
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING	
ANGULAR TOL	± 3.0°			DOCUMENT NUMBER	
4 PLACES	± 0.2	EC NO: 672151		SD-52271-036	
3 PLACES	± 0.2	DRWN: DGONDO	2021/08/02	DOC TYPE	DOC PART
2 PLACES	± 0.2	CHK'D: TKON	2021/08/03	PSD	001
1 PLACE	± 0.25	APPR: SHOSHIKAWA	2021/08/03	REVISION	F
0 PLACES	± 0.3	INITIAL REVISION:		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: HKAWABATA	2004/03/18	SEE SHEET 1	
THIRD ANGLE PROJECTION		APPR: MSASAO	2004/03/19	GENERAL MARKET	
DRAWING		SERIES		2 OF 2	
A3-SIZE		52271			

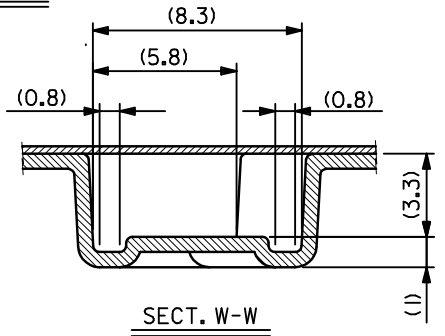
NOTES

- 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。  
IN THE PACKAGE, ACTUATOR OF PART NO. 52271-\*\*-19 SHOULD BE LOCKED RE DETAILED DIMENSIONS, SEE SD-52271-036.
- 梱包数量: 1000個/リール  
NUMBER OF CONNECTORS: 1000 PCS/REEL
- 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	トップテープ 未接着部 TOP TAPE NON-BONDED PART
175 ±25	25 ±5
- 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
- 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>  
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は52271-\*\*-19の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52271-\*\*-19.
- 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.



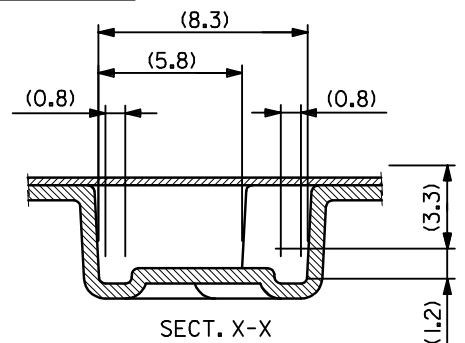
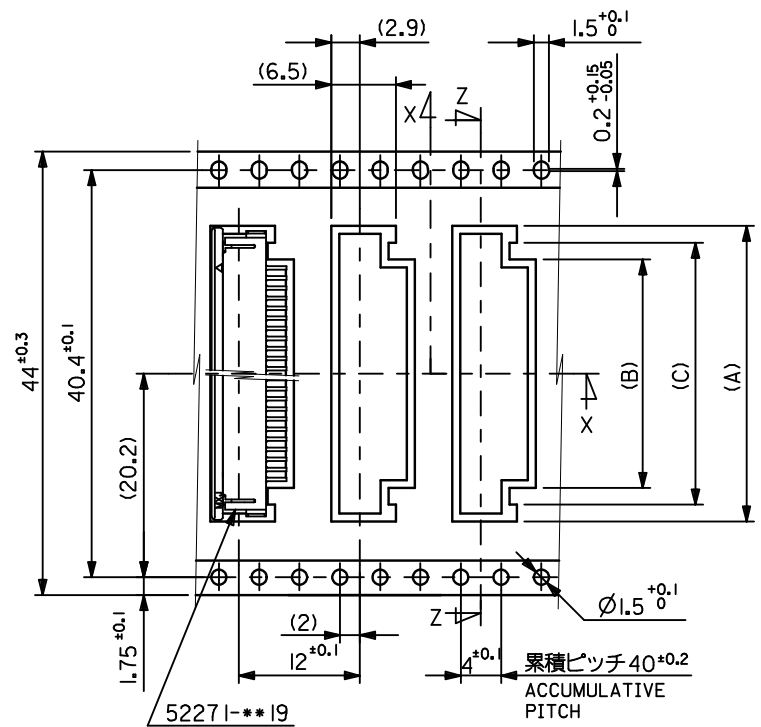
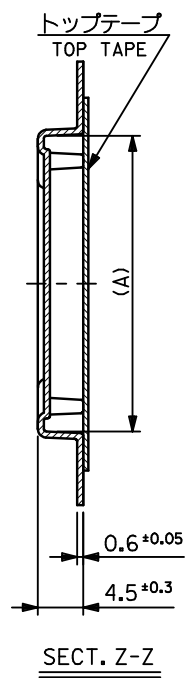
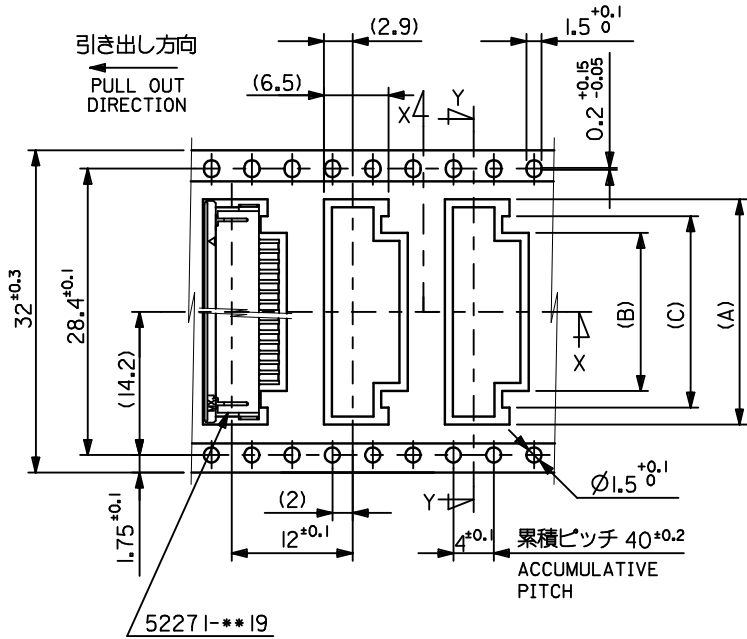
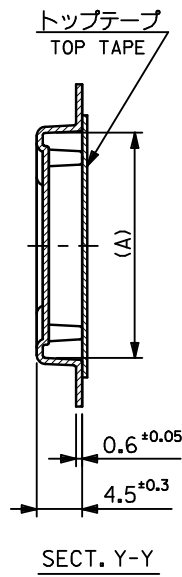
SECT. V-V



SECT. W-W

24	29.4	25.4	15	11.4	18.3	52271-1179	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		
MODEL NO.	52271-**-19	CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	種数 CKT.

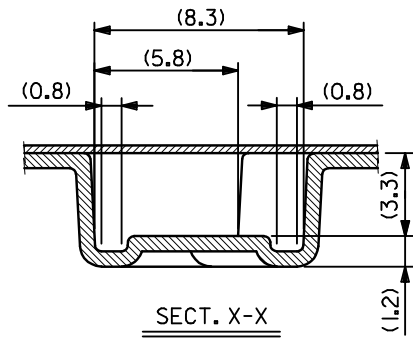
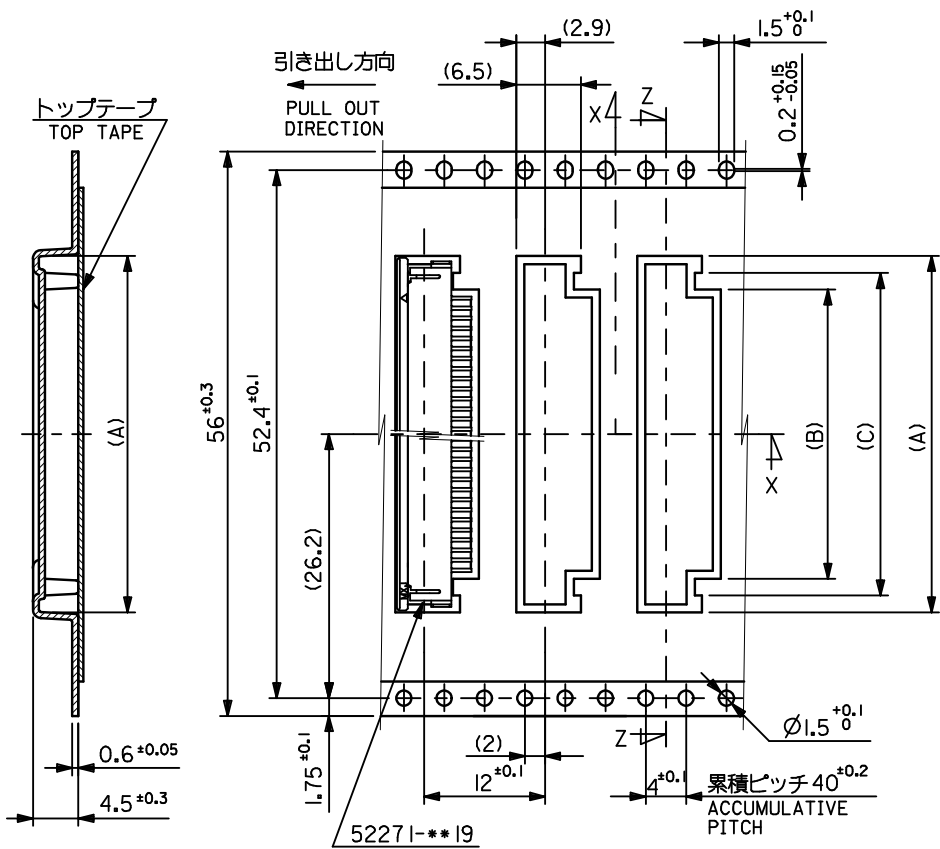
REVISED EC NO: J2009-2061 DRWN:TKON 2009/05/20 CHKD:HMATSUMOTO 2009/05/21 APPR:NIUKITA 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY H.KAWABATA	DATE 2004/03/12	TITLE EMBOSSED TAPE PACKAGE FOR 52271-**-19 -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K.TOJO	DATE 2004/03/12	MOLEX INCORPORATED				
		30 OVER	±0.3	APPROVED BY M.SASAO	DATE 2004/03/12					
A	REV	ANGULAR	±3	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.	DOCUMENT NO. SD-52271-037	SHEET NO. 1 OF 3



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				
			20	16.4	23.35	-1679	16				
			19	15.4	22.35	-1579	15				
			18	14.4	21.35	-1479	14				
32	37.4	33.4	17	13.4	20.35	-1379	13				
			16	12.4	19.35	52271-1279	12				
			キャリアテープ幅 CARRIER TAPE WIDTH		E	D	(C)	(B)	(A)	MATERIAL NO.	標 数 CKT.
			fb_frame_A3_J_ME_S Rev. E 2006/04/15		9	8	7	6	5	4	3

REVISED EC NO.: J2009-2061 DRWN:TKON 2009/05/20 CHKD:HATSUMOTO 2009/05/21 APPR:NIKI ITA 2009/05/21 REV: A	DESCRIPTION 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	TITLE EMBOSSED TAPE PACKAGE FOR 52271-**-19 -LEAD FREE-			
		CHECKED BY K. TOJO	DATE 2004/03/12	MOLEX INCORPORATED			
		APPROVED BY M. SASAO	DATE 2004/03/12	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-52271-037	SHEET NO. 2 OF 3	

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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.	種 数 CKT.

REVISED	EC NO.: J2009-2061	2009/05/20
	DRWN:TKON	2009/05/21
	CHKD:HMATSUMOTO	2009/05/21
	APPR:NIKI ITA	2009/05/21
REV	DESCRIPTION	
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	
DRAWN BY	DATE
H.KAWABATA	2004/03/12
CHECKED BY	DATE
K.TOJO	2004/03/12
APPROVED BY	DATE
M.SASAO	2004/03/12
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
MODEL NO.		52271-**-79
TITLE EMBOSSD TAPE PAKEGE FOR 52271-**-19 -LEAD FREE-		
MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
	SD-52271-037	3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		