

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0522712979

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 29 Circuits, Lead-free, High Barrier Packaging

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	FFC/FPC Connectors
Series	52271
Overview	ffc_fpc_smt
Product Name	N/A

Physical

Circuits (Loaded)	29
Color - Resin	Natural
Contact Position	Bottom
Durability (mating cycles max)	30
Entry Angle	90° Angle
Flammability	94V-0
Mated Height (in)	0.118 In
Mated Height (mm)	3.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin-Bismuth
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FFC/FPC

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	AS-52271-001
Packaging Specification	SPK-52271-001, SPK-52271-002
Product Specification	PS-52271-053, RPS-52271-066, RPS-52271-067, RPS-52271-069, RPS-52271-070, RPS-52271-072, RPS-52271-073, RPS-52271-075, RPS-52271-080, RPS-52271-085, RPS-52271-087, RPS-52271-091
Sales Drawing	SD-52271-036, SD-52271-037

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

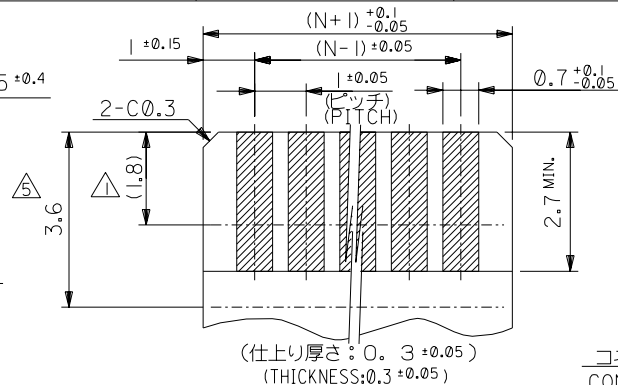
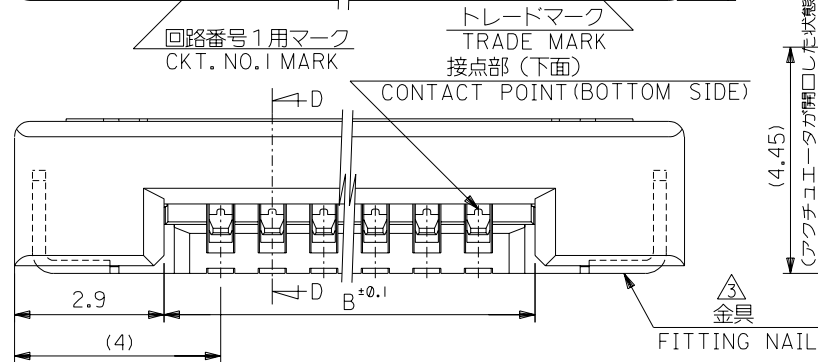
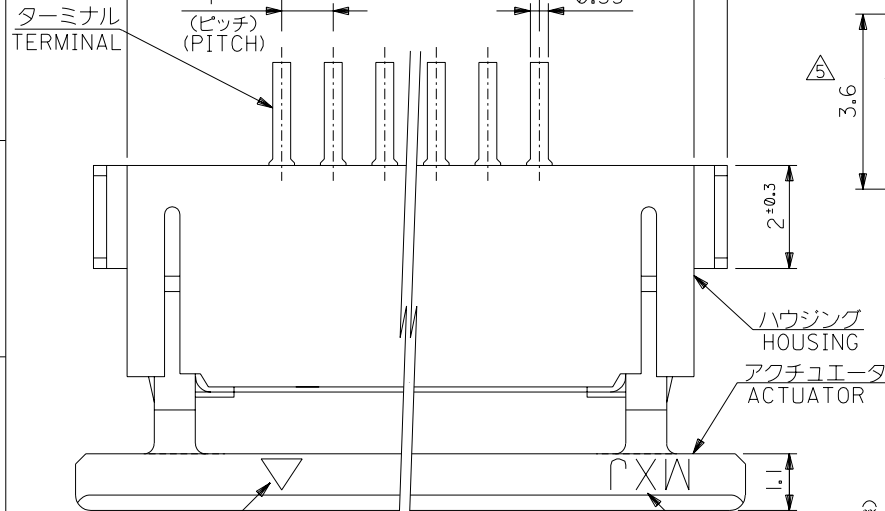
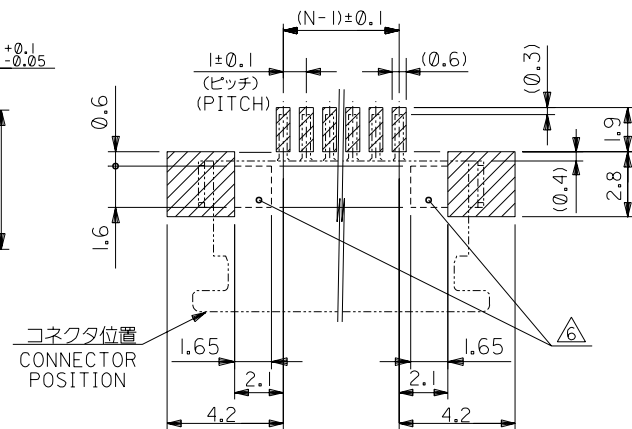
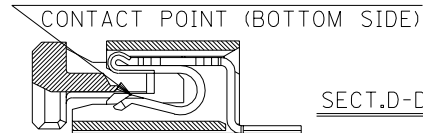
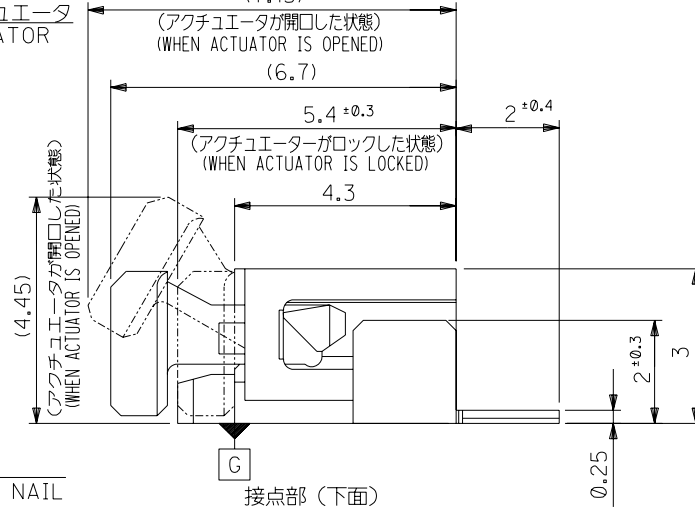
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

52271Series

This document was generated on 06/04/2010

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ターミナル
TERMINAL適合FPC推奨寸法
RECOMMENDED APPLICABLE
FPC LAYOUT
(7.15)

35	31.2	29	52271-3019	30
34	30.2	28	-2919	29
33	29.2	27	-2819	28
32	28.2	26	-2719	27
31	27.2	25	-2619	26
30	26.2	24	-2519	25
29	25.2	23	-2419	24
28	24.2	22	-2319	23
27	23.2	21	-2219	22
26	22.2	20	-2119	21
25	21.2	19	-2019	20
24	20.2	18	-1919	19
23	19.2	17	-1819	18
22	18.2	16	-1719	17
21	17.2	15	-1619	16
20	16.2	14	-1519	15
19	15.2	13	-1419	14
18	14.2	12	-1319	13
17	13.2	11	-1219	12
16	12.2	10	-1119	11
15	11.2	9	-1019	10
14	10.2	8	-0919	9
13	9.2	7	-0819	8
12	8.2	6	-0719	7
11	7.2	5	-0619	6
10	6.2	4	-0519	5
9	5.2	3	52271-0419	4
52271-**-19	C	B	A	52271-0419
MODEL NO.				MATERIAL NO.
				極数 CKT.

角度 ANGLE	±3°					材料 MATERIAL	注記参照 SEE NOTES	molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
30 以上 OVER	±0.3	B	変更 REVISED	(J2004-3551)	H.K.	仕上げ FINISH	注記参照 SEE NOTES	
10 以上 30 未満 OVER UNDER	±0.25	A	変更 REVISED	(J2004-3371)	H.K.	適用電線範囲 WIRE RANGE	—	
10 未満 UNDER	±0.2	0	新規作成 RELEASED	(J2004-3059)	H.K.	被覆外径 INS. RANGE	—	
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR.	日付 DATE	APP'D BY M.SASAO	尺度 SCALE	—
						DRAWN BY H.KAWABATA	CHK'D BY K.TOJO	REVISE ONLY ON CAD SYSTEM
								TITLE 名称 1.0 FPC CONN. Z.I.F. SMT (BOTTOM CONTACT)
								-LEAD FREE-
								DWG. NO. (SHEET 1 OF 2) REV
								SD-52271-036 B

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1:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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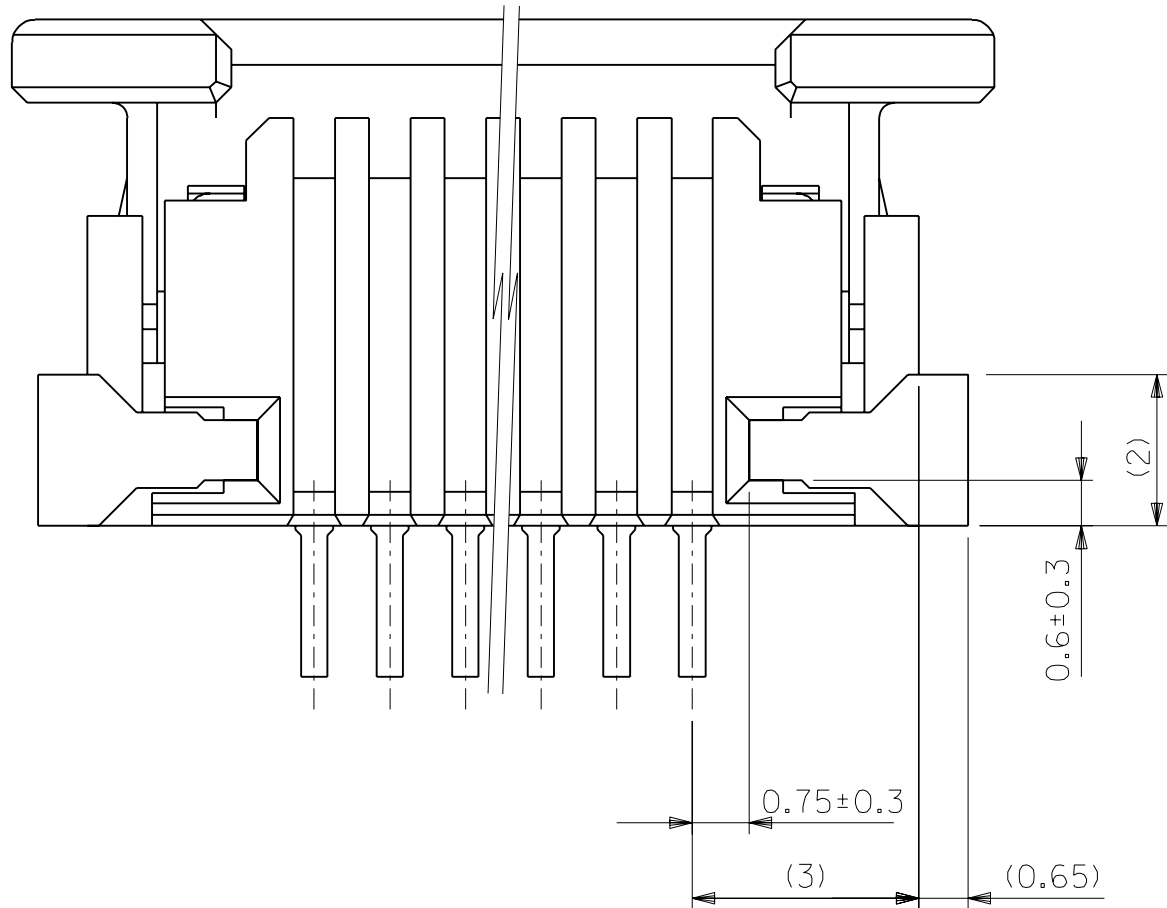
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注記 NOTES

- 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-**-17の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-**-17.

FPCについて：
打抜き方向は導体側から補強板側を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION :FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM :POLYIMIDE
BONDING AGENT :THERMOSETTING BONDING AGENT

						MODEL NO.		52271-**19	
						材料 MATERIAL 注記参照 SEE NOTES		 MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
						仕上げ FINISH 注記参照 SEE NOTES			
						適用電線範囲 WIRE RANGE ——//——		REVISE ONLY ON CAD SYSTEM	
角度 ANGLE		±3°				被覆外径 INS. RANGE ——//——		TITLE 名称 I.O FPC CONN. Z.I.F. SMT (BOTTON CONTACT) -LEAD FREE-	
30 以上 OVER		±0.3	B	変更 REVISED (J2004-355)	H.K. K.T	04/04/02	DRAWN BY '04/03/12 H.KAWABATA		DWG. NO. (SHEET 2 OF 2) SD-52271-036
10 以上 30 未満 OVER UNDER		±0.25	A	変更 REVISED (J2004-337)	H.K. K.T	04/03/25	CHK'D BY '04/03/12 K.TOJO		
10 未満 UNDER		±0.2	O	新規作成 RELEASED (J2004-3059)	H.K. K.T	04/03/12	APP'D BY '04/03/12 M.SASAO		REV B
一般公差 GENERAL TOLERANCES			記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE	尺度 SCALE ——//——		

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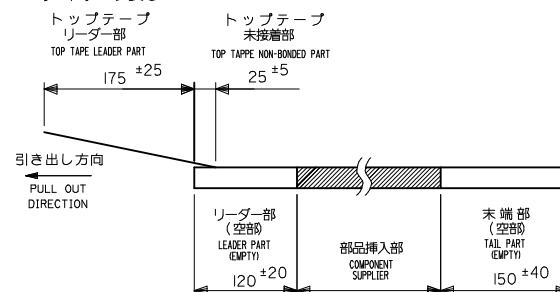
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NOTES

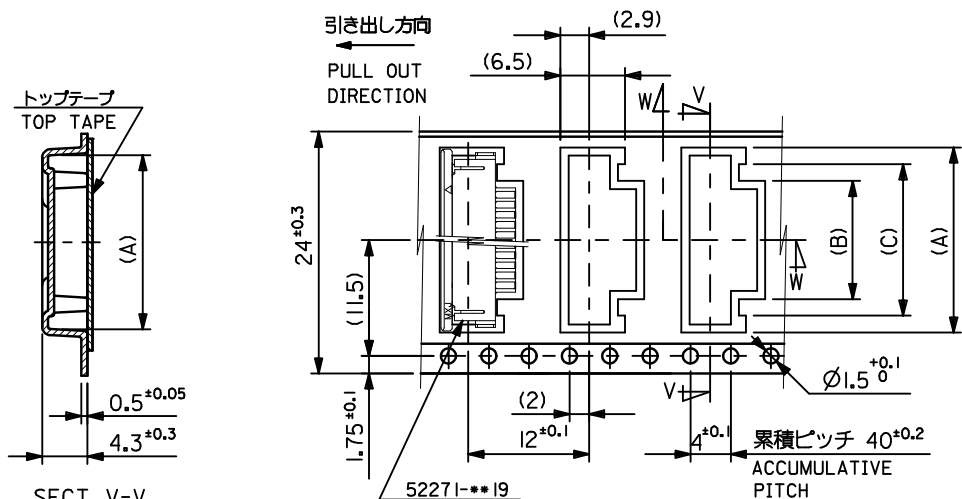
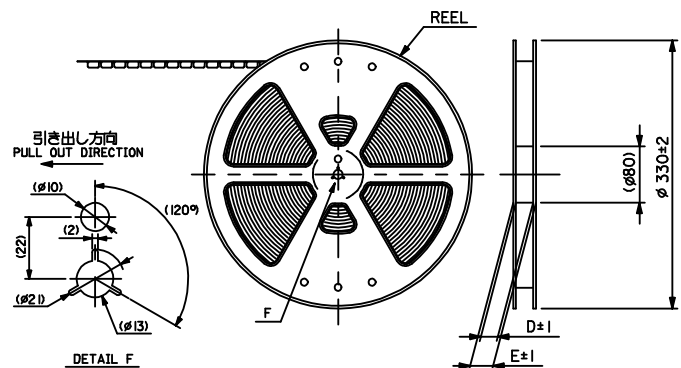
1. 製品番号 52271-**-19 の梱包状態はアクチュエータがロックした状態とする。
 詳細寸法については 図面 SD-52271-036 を参照下さい。
 IN THE PACKAGE, ACTUATOR OF PART NO. 52271-**-19 SHOULD BE LOCKED
 RE DETAILED DIMENSIONS, SEE SD-52271-036.

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

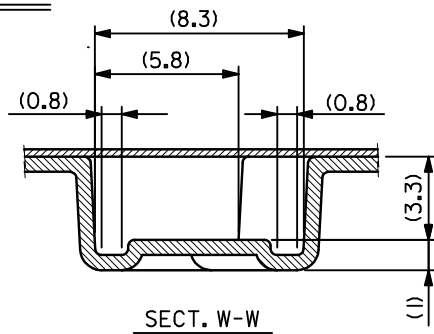
3. リードテープ長さ LEAD TAPE LENGTH



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>
 POLYSTYRENE (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.



SECT. V-V



52271-**-19	MODEL NO.	CARRIER TAPE WIDTH	E	D	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	DRWN:TKN	CHKD:HMATSUMOTO	APPR:NUKITA	2009/05/20	2009/05/21	2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	MOLEX INCORPORATED	SHEET NO.
A									10 UNDER ±0.2	MM ONLY	---	METRIC	⊙	EMBOSSED TAPE PACKAGE FOR 52271-**-19 -LEAD FREE-	SD-52271-037	1 OF 3
									10 OVER 30 UNDER ±0.25							
									30 OVER ±0.3							
									ANGULAR ±3°							
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
										SIZE A3						
										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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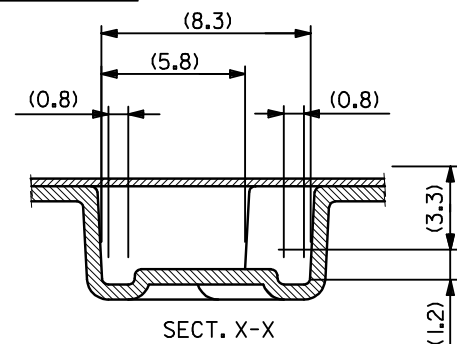
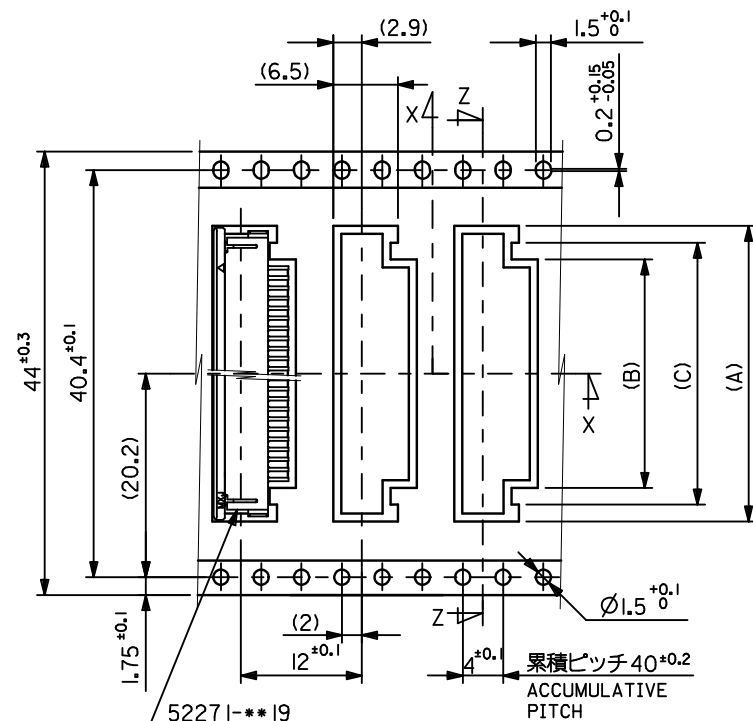
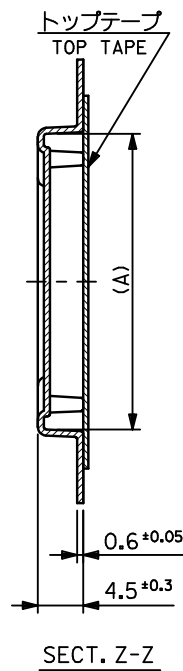
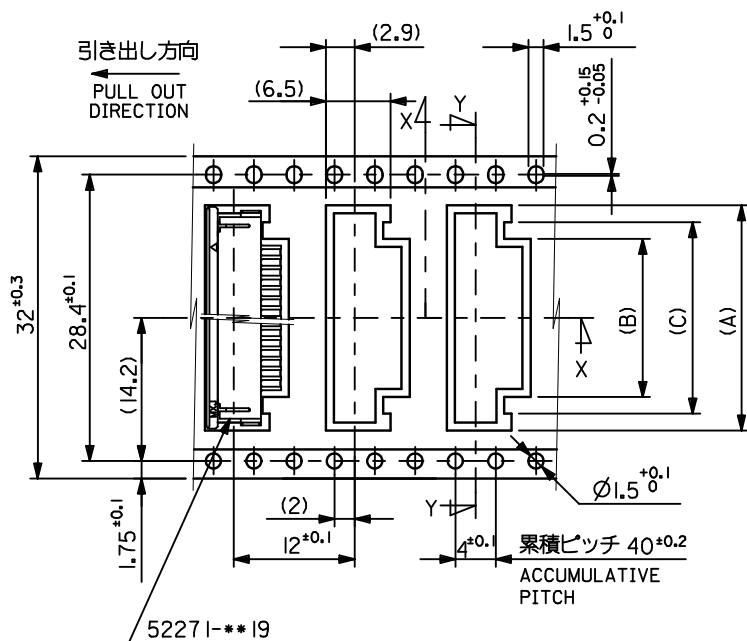
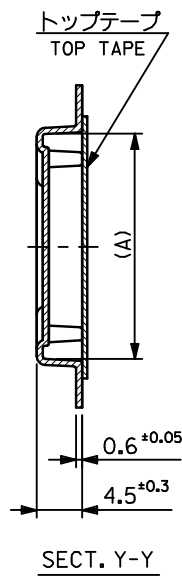
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44	49.4	45.4	31	27.4	34.35	52271-2779	27
			30	26.4	33.35	-2679	26
			29	25.4	32.35	-2579	25
			28	24.4	31.35	-2479	24
			27	23.4	30.35	-2379	23
			26	22.4	29.35	-2279	22
			25	21.4	28.35	-2179	21
			24	20.4	27.35	-2079	20
			23	19.4	26.35	-1979	19
			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
			(C)	(B)	(A)	MATERIAL NO.	

キャリアテープ幅
CARRIER TAPE WIDTH
tb_frame_A3_J_ME_S
Rev. E 2006/04/15

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EN-02JA(021)

REVISED EC NO.: J2009-2061 2009/05/20 DRWN:TKON CHKD:MATSUMOTO 2009/05/21 APPR:NUKITA 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 EMBOSSD TAPE PACKAGE FOR 52271-**-19 -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/03/12				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/03/12				
		ANGULAR ±3°		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52271-037		2 OF 3		
A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

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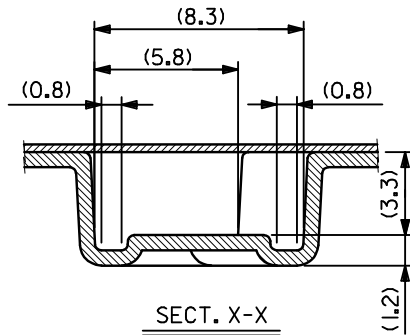
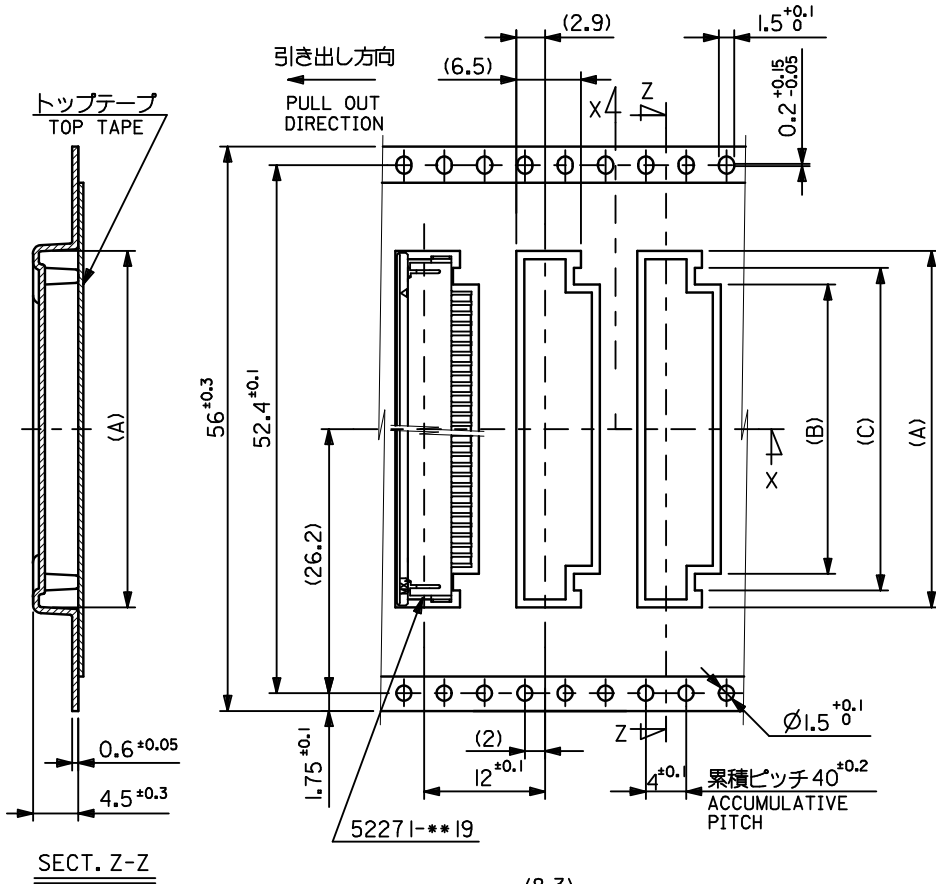
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56	61.4	57.4	34	30.4	37.35	5227I-3079	30
			33	29.4	36.35	5227I-2979	29
			32	28.4	35.35	5227I-2879	28
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	標 記 CKT.

Rev. E 2006/04/15

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EN-02JA(021)

REVISED
EC NO.: J2009-2061
2009/05/20
DRWN:TKN
2009/05/21
CHKD:HMATSUMOTO
2009/05/21
APPR:NUKITA
2009/05/21

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. 5227I-**79		
EMBOSSED TAPE PAKEGE FOR 5227I-**19 -LEAD FREE-		
MOLEX INCORPORATED		
DOCUMENT NO. SD-5227I-037		SHEET NO. 3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

MODEL NO.

5227I-**79

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

EMBOSSED TAPE PAKEGE
FOR 5227I-**19
-LEAD FREE-



MOLEX INCORPORATED

SD-5227I-037

SHEET NO.

3 OF 3

SEE TABLE

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Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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Факс: +7 495 668-12-70 (доб.304)

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