

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0522711979](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 19 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) 19
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.

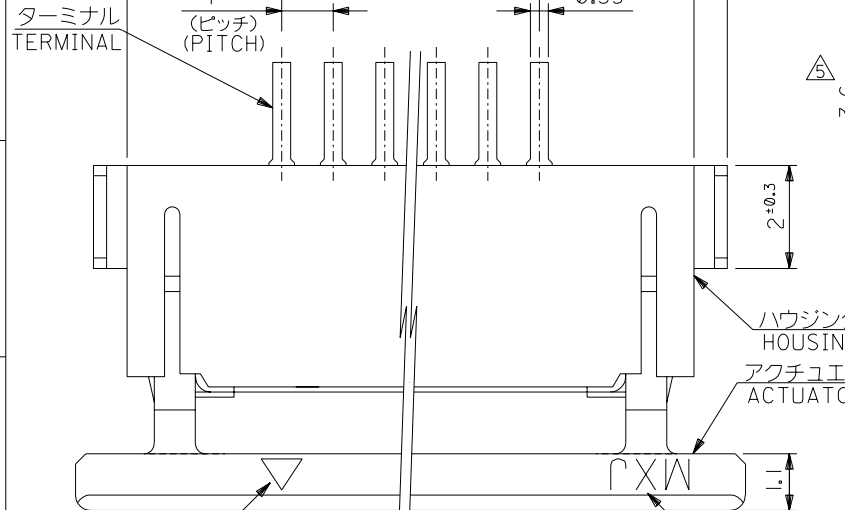
Search Parts in this Series

[52271Series](#)

This document was generated on 06/04/2010

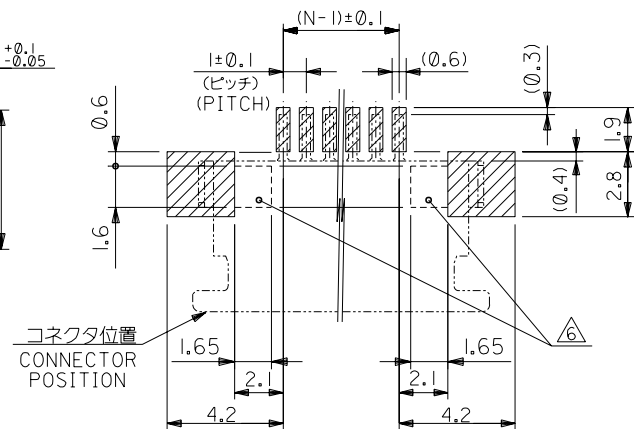
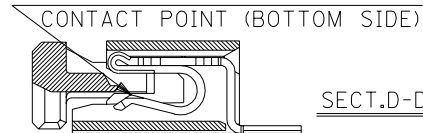
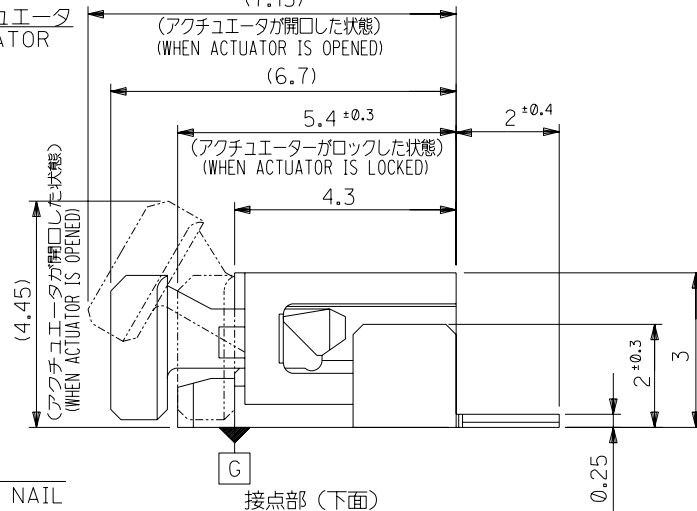
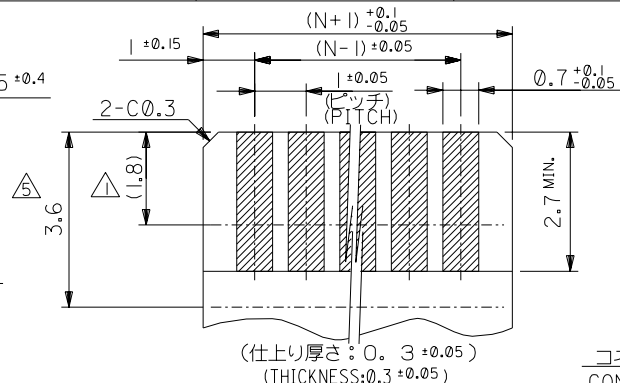
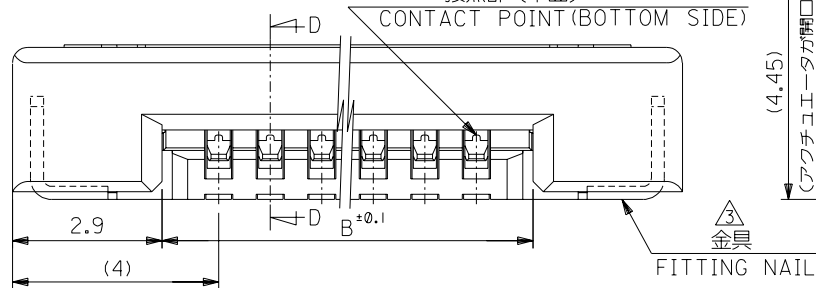
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

ターミナル
TERMINAL



回路番号1用マーク
CKT. NO.1 MARK

トレードマーク
TRADE MARK
接点部 (下面)
CONTACT POINT (BOTTOM SIDE)



パターン推奨寸法 (参考)
RECOMMENDED PATTERN DIM. (REF.)

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

DWG. NO. SD-52271-036

E

D

±MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

A

8

7

6

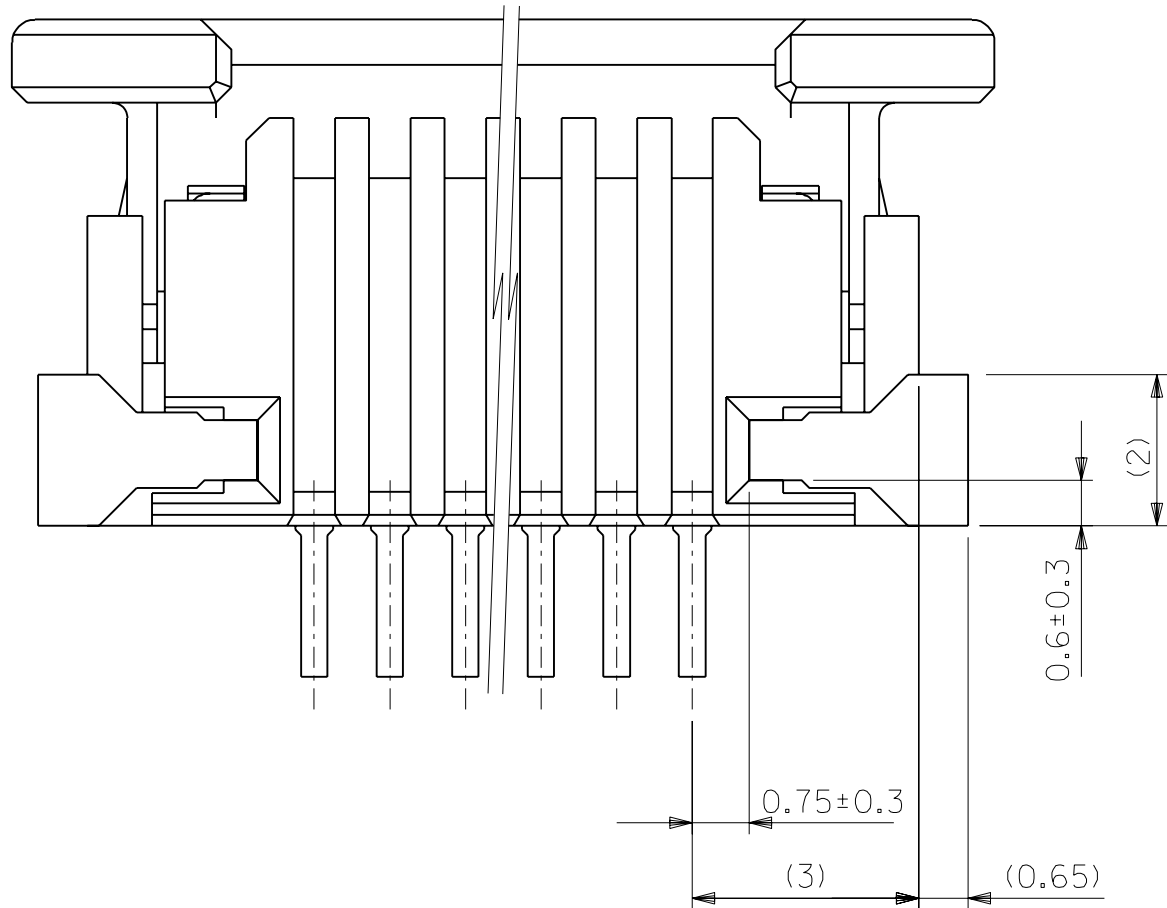
5

4

3

2

1



下面図

注記 NOTES

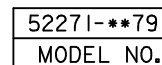
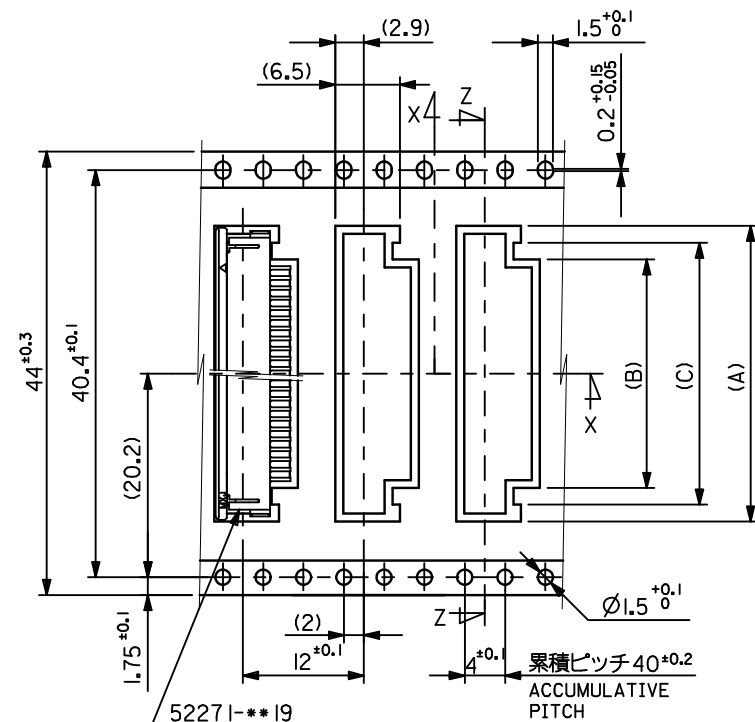
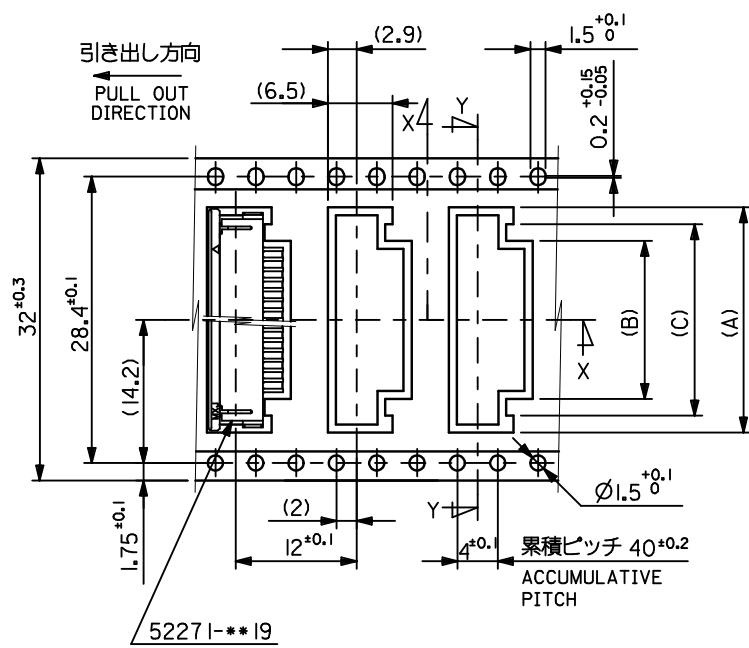
- ① 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
2. 使用材料 MATERIAL
ハウジング : 46ナイロン, UL94V-0
HOUSING : 46NYLON, UL94V-0
アクチュエータ : PPS, UL94V-0
ACTUATOR : PPS, UL94V-0
ターミナル : リン青銅 (t=0.25)
TERMINAL : PHOS-BRO.(t=0.25)
メッキ : 錫ビスマスメッキ 1.0マイクロメートル以上
PLATING : TIN-BISMUTH 1.0 MICROMETER MINIMUM
: ニッケル下地 1.0マイクロメートル以上
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	
		仕上げ FINISH		注記参照 SEE NOTES	
		適用電線範囲 WIRE RANGE		—//—	
		被覆外径 INS. RANGE		—//—	
		DRAWN BY '04/03/12 H.KAWABATA		CHK'D BY '04/03/12 K.TOJO	
		APP'D BY '04/03/12 M.SASAO		尺度 SCALE —//—	
		材料 MATERIAL		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
		REVISE ONLY ON CAD SYSTEM		TITLE 名称 I.O FPC CONN. Z.I.F. SMT (BOTTON CONTACT) -LEAD FREE-	
		DWG. NO. (SHEET 2 OF 2) SD-52271-036		REV B	

9	8	7	6	5	4	3	2	EN-02JA(021)
---	---	---	---	---	---	---	---	--------------



REV	DESCRIPTION
2009/05/21	APPR: NUKITA
2009/05/21	CHK'D: HMAI SUMOTO
2009/05/20	DRWN: TKON
EC NO: J2009-2061	
REVISED	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	± 0.2
10 OVER 30 UNDER	± 0.25
30 OVER	± 0.3
ANGULAR	$\pm 3^\circ$
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	THIS DRAWING CONTAINS
A	INCORPORATED AND

SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-52271-037		SHEET NO. 2 OF 3
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

F

E

D

C

B

A

F

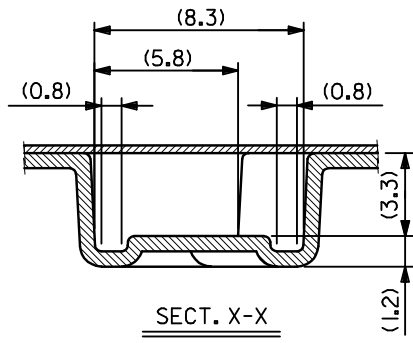
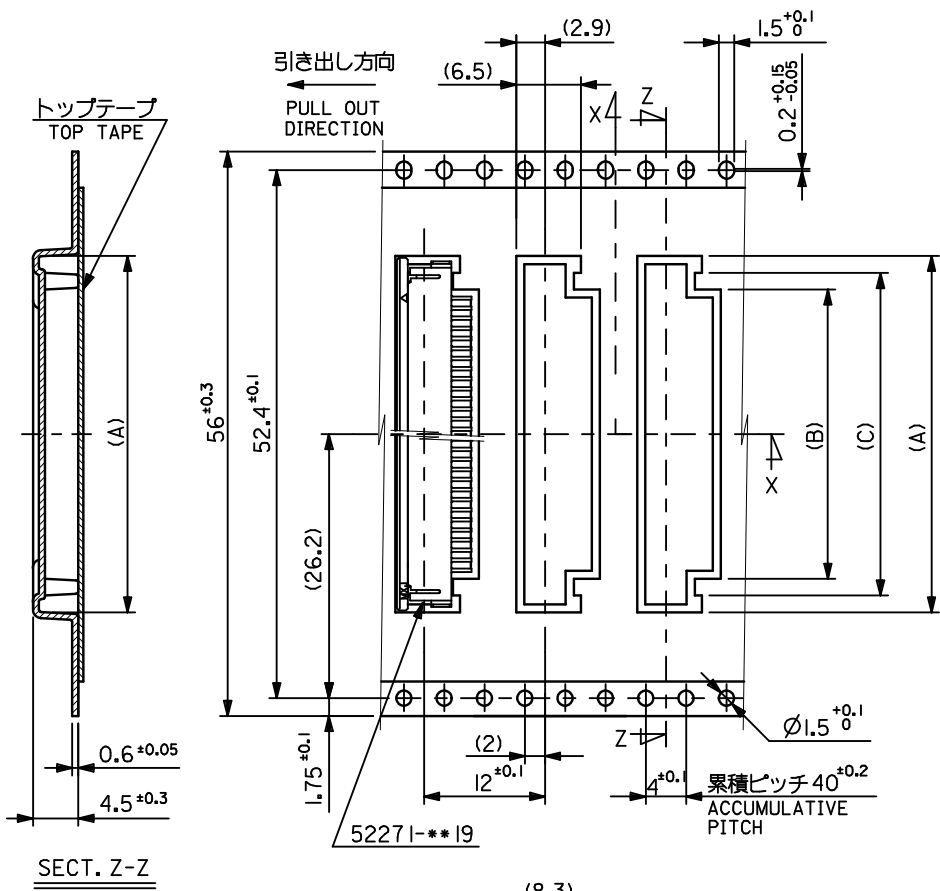
E

D

C

B

A



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.	標 数 CKT.

REVISED EC NO.: J2009-2061 2009/05/20 DRWN:TKN 2009/05/21 CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21	DESCRIPTION REV	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 PAKEGE 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	DOCUMENT NO. SD-52271-037			
		ANGULAR DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	±3°	MATERIAL NO.	SHEET NO. 3 OF 3				

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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9