

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

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

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

This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

DWG. NO. SD-52271-036

E

D

±MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

A

8

7

6

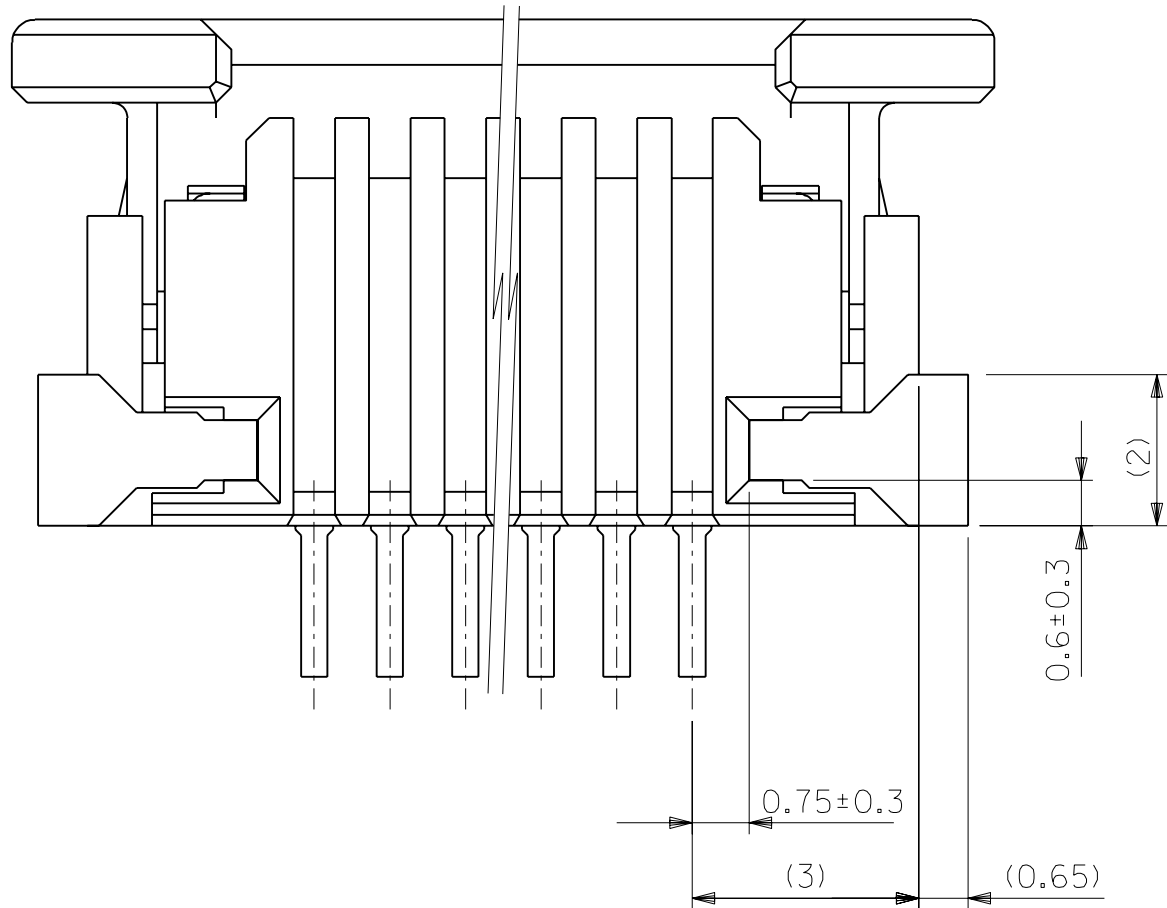
5

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		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
		仕上げ FINISH		REVISE ONLY ON CAD SYSTEM	
		適用電線範囲 WIRE RANGE		TITLE 名称 1.0 FPC CONN. Z.I.F. SMT (BOTTON CONTACT) -LEAD FREE-	
		被覆外径 INS. RANGE		DWG. NO. (SHEET 2 OF 2) REV SD-52271-036 B	
		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	
角度 ANGLE		±3°			
30 以上 OVER		±0.3	B 変更 (J2004-355)	H.K. K.T.	04/04/02
10 以上 30 未満 OVER UNDER		±0.25	A 変更 (J2004-337)	H.K. K.T.	04/03/29
10 未満 UNDER		±0.2	O 新規作成 RELEASED (J2004-3059)	H.K. K.T.	04/03/12
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE

8

7

6

5

4

3

2

1

F

E

D

C

B

A

F

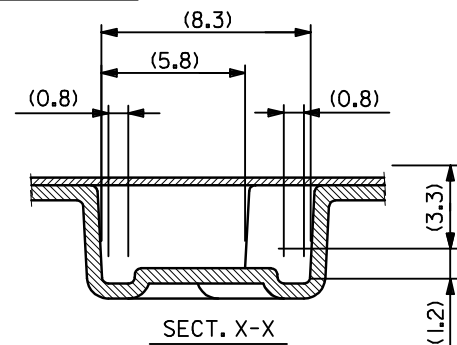
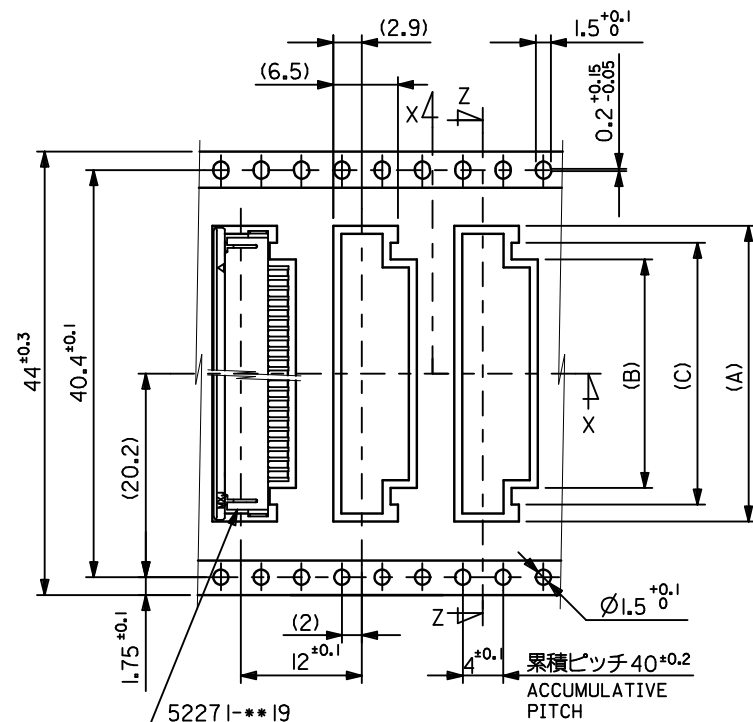
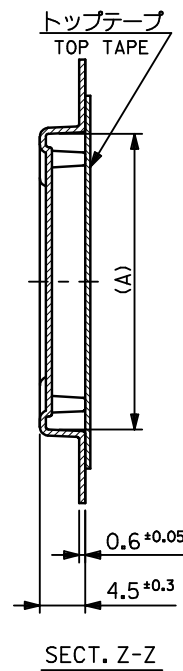
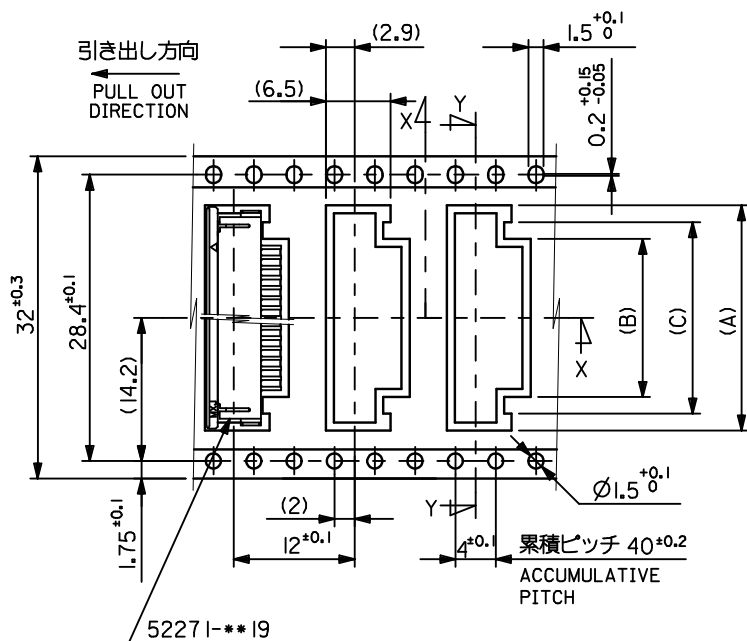
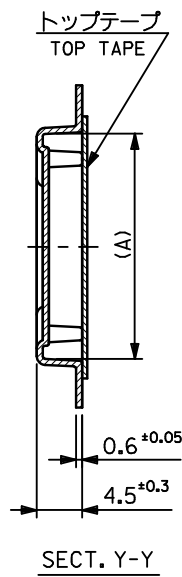
E

D

C

B

A



44	49.4	45.4	31	27.4	34.35	5227I-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	5227I-1279	12
			(C)	(B)	(A)	MATERIAL NO.	
			E	D			電 装 部

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

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- MOLEX INCORPORATED			
		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. SEE TABLE					DOCUMENT NO. SD-52271-037
	REV	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				

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