

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0522712179

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 21 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)

21

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](#)

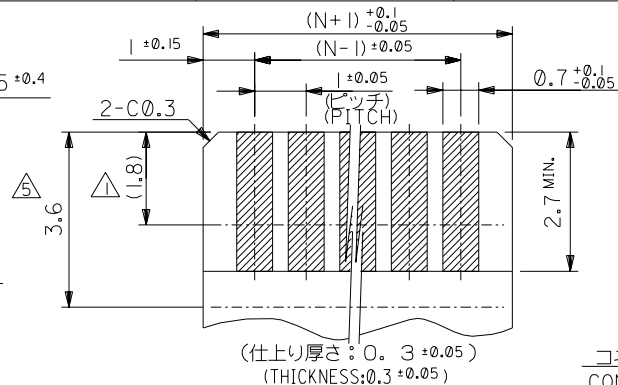
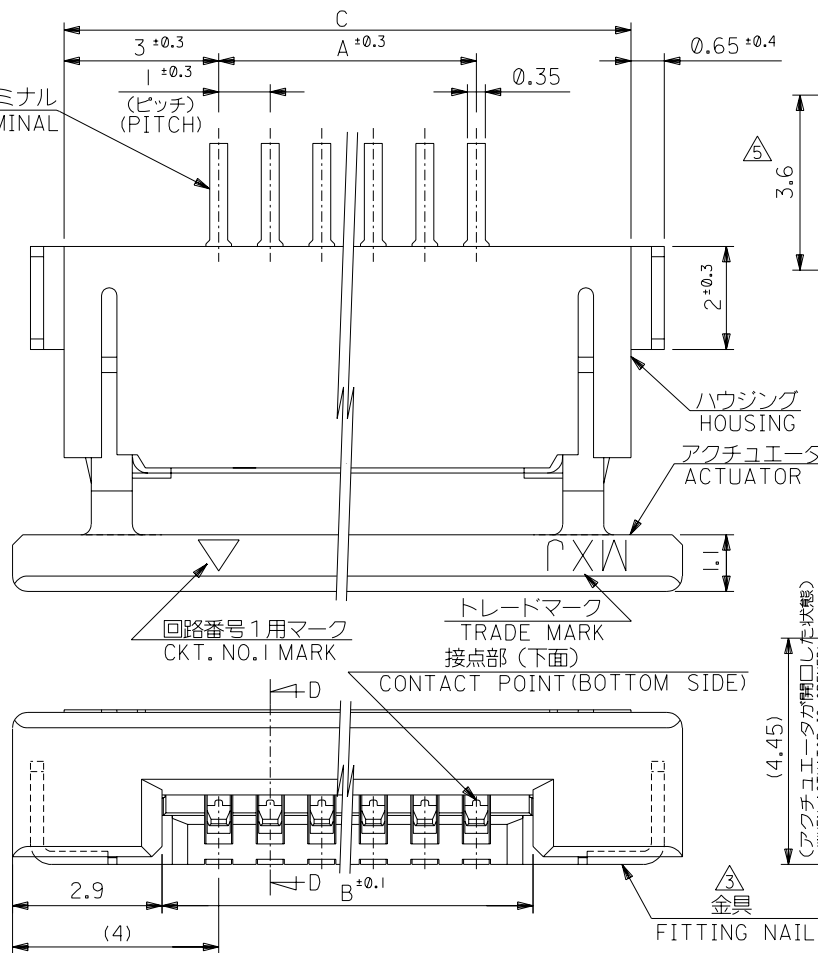
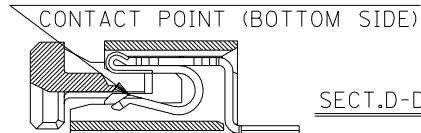
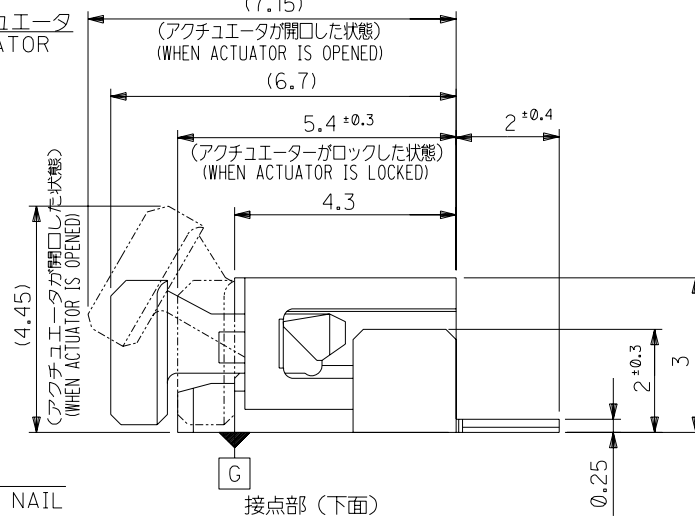
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Search Parts in this Series

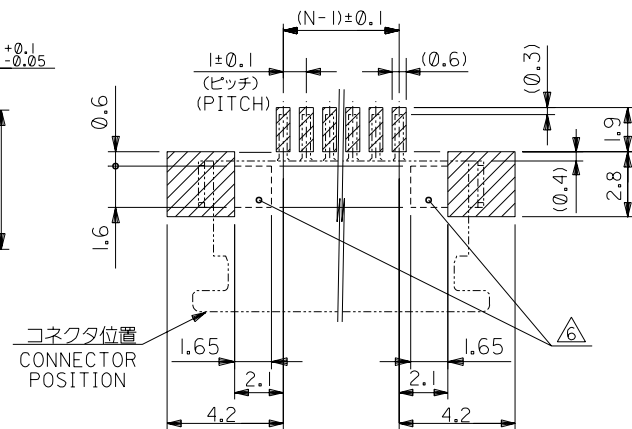
52271Series

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)

SECT.D-D

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				
MODEL NO.	C	B	A	極数 CKT.

材料
MATERIAL
注記参照
SEE NOTESmolex 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

REVISE ONLY ON CAD SYSTEM

適用電線範囲
WIRE RANGE
被覆外径
INS. RANGETITLE 名称
1.0 FPC CONN. Z.I.F. SMT
(BOTTOM CONTACT)DRAWN BY 04/03/12
H.KAWABATA
CHK'D BY 04/03/12
K.TOJO
APP'D BY 04/03/12
M.SASAO
日付
DATE
尺度
SCALE-LEAD FREE-
DWG. NO. (SHEET 1 OF 2) REV
SD-52271-036 B

角度 ANGLE	±3°								
30°以上 OVER	±0.3	B	変更 REVISED	(J2004-3551)	H.K.	K.S.	04/04/02		
10°以上 30°未満 OVER UNDER	±0.25	A	変更 REVISED	(J2004-3371)	H.K.	K.S.	04/03/29		
10°未満 UNDER	±0.2	0	新規作成 RELEASED	(J2004-3059)	H.K.	K.S.	04/03/12		
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD		DR.	CHK.	日付 DATE		

DWG. NO. SD-52271-036

E

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1:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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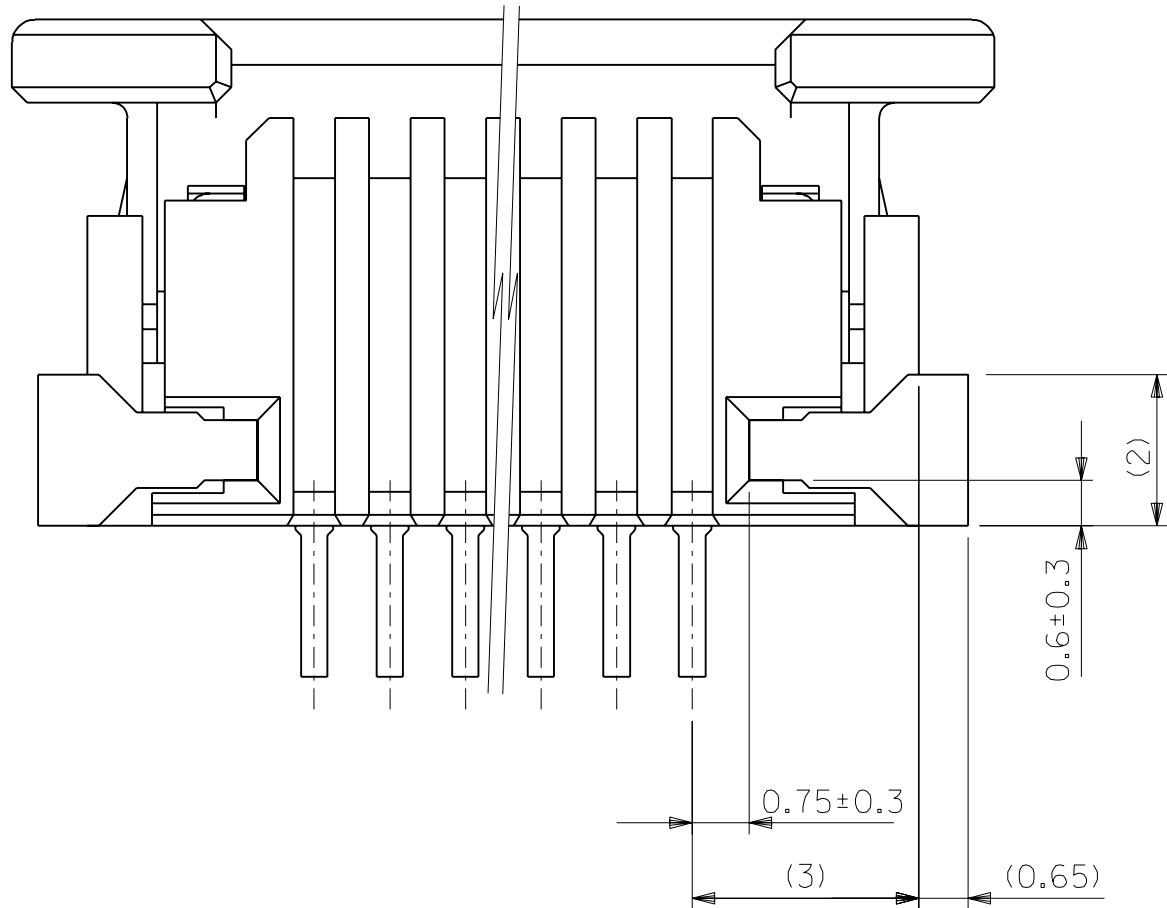
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下面図

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. エンボステーブル梱包時は、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.	04/04/02
10 以上 30 未満 OVER UNDER	±0.25	A	変 更 (J2004-337)	H.K.	04/03/25
10 未満 UNDER	±0.2	O	新規作成 RELEASED (J2004-3059)	H.K.	04/03/12
一 般 公 差 GENERAL TOLERANCES		記号 LTR	変 更 内 容 REVISION RECORD	DR. CHK.	日付 DATE

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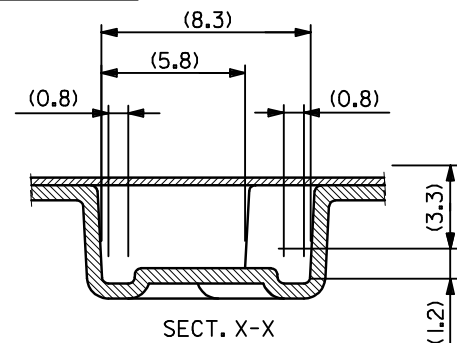
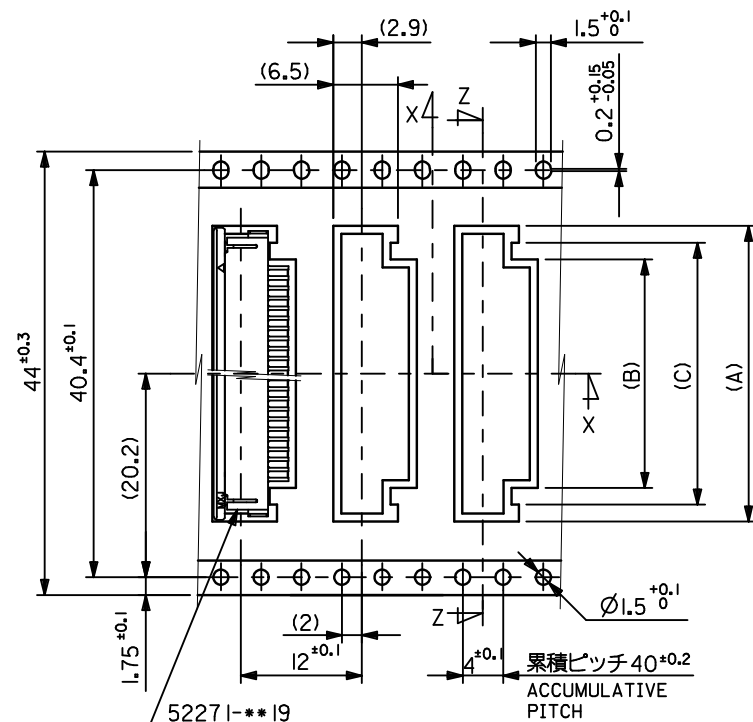
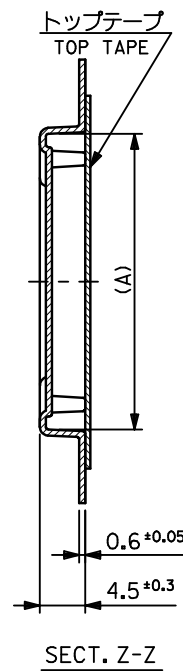
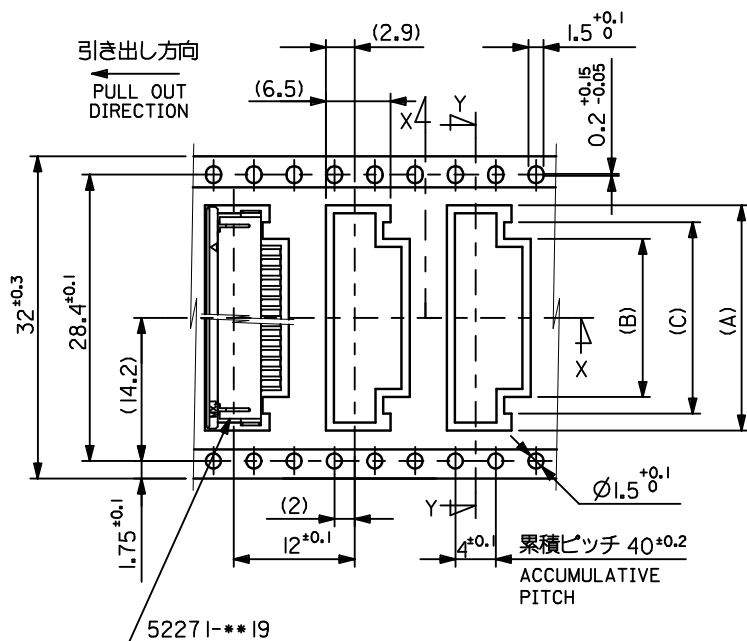
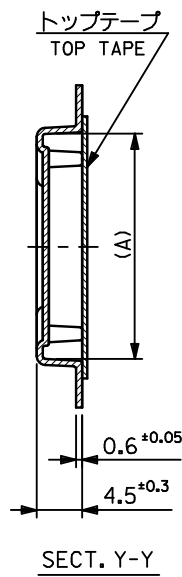
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44	49.4	45.4	31	27.4	34.35	52271-2779	27
			30	26.4	33.35	-2679	26
			29	25.4	32.35	-2579	25
			28	24.4	31.35	-2479	24
			27	23.4	30.35	-2379	23
			26	22.4	29.35	-2279	22
			25	21.4	28.35	-2179	21
			24	20.4	27.35	-2079	20
			23	19.4	26.35	-1979	19
			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		DRAWN BY H.KAWABATA	DATE 2004/03/12	TITLE EMBOSSD TAPE PACKAGE FOR 52271-**-19 -LEAD FREE-			
		10 OVER 30 UNDER		CHECKED BY K. TOJO	DATE 2004/03/12				
		30 OVER		APPROVED BY M. SASAO	DATE 2004/03/12				
		ANGULAR			MATERIAL NO.		DOCUMENT NO.		SHEET NO.
	REV A	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-52271-037			2 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

52271-**-79
MODEL NO.

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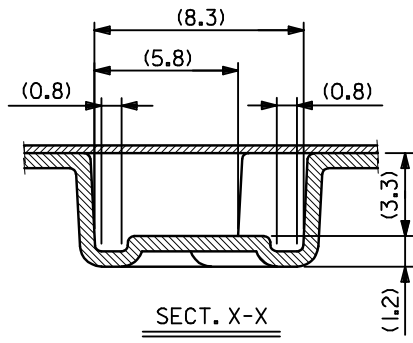
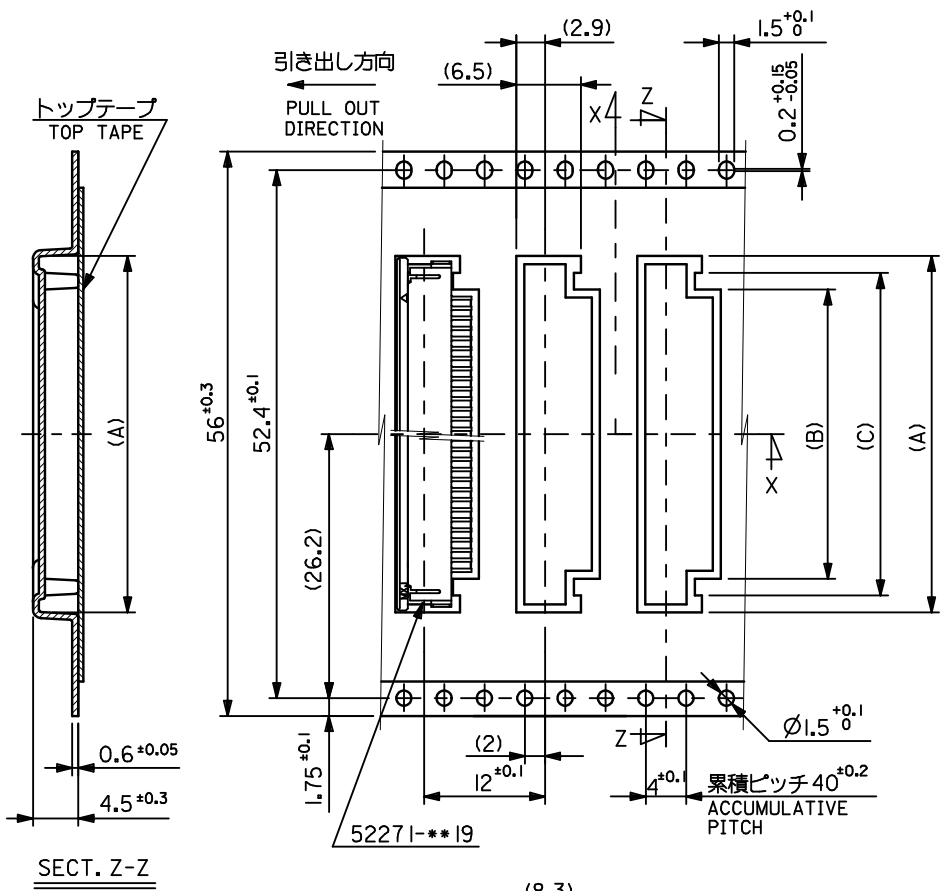
E

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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.	標 数 CKT.

REVISED		EC NO: J2009-2061		2009/05/20		2009/05/21		2009/05/21		2009/05/21	
DRWN:TKN		CHKD:HMATSUMOTO		APPR:NUKITA		2009/05/21		2009/05/21		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 PAKEGE FOR 52271-***19 -LEAD FREE-		MODEL NO. 52271-***79	
10 OVER 30 UNDER		±0.25		CHECKED BY K.TOJO		DATE 2004/03/12		MOLEX INCORPORATED		SHEET NO. 3 OF 3	
30 OVER		±0.3		APPROVED BY M.SASAO		DATE 2004/03/12		DOCUMENT NO. SD-52271-037		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
ANGULAR		±3°		MATERIAL NO.		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		EN-02JA(021)	
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		SEE TABLE		SD-52271-037		EN-02JA(021)	



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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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