

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0522711079

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 10 Circuits, Lead-free, High Barrier Packaging

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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)	10
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

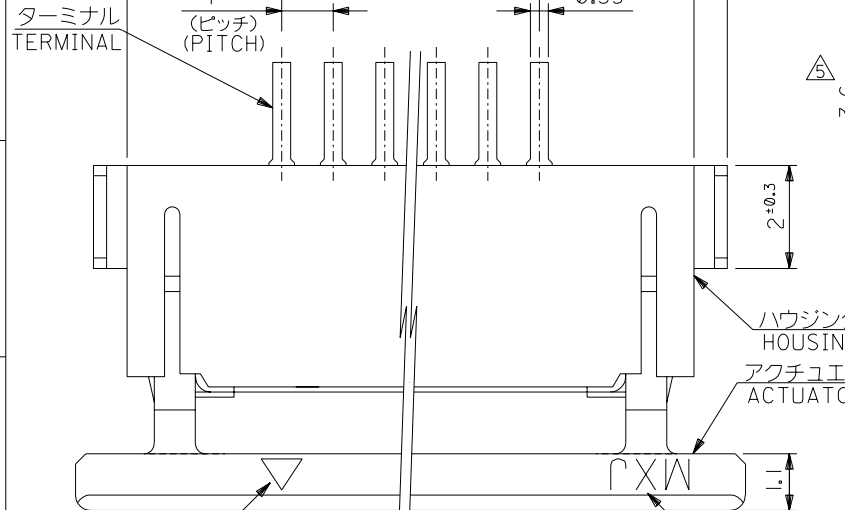
Reference - Drawing Numbers

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

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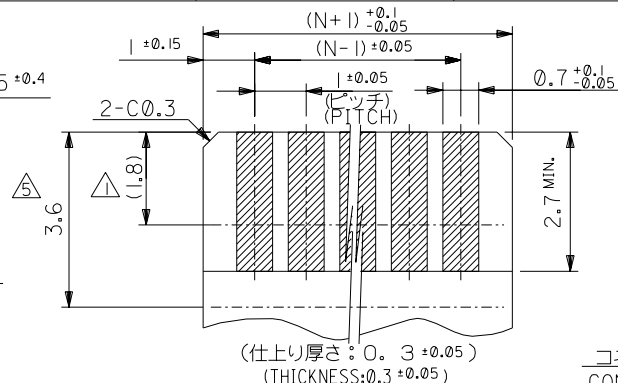
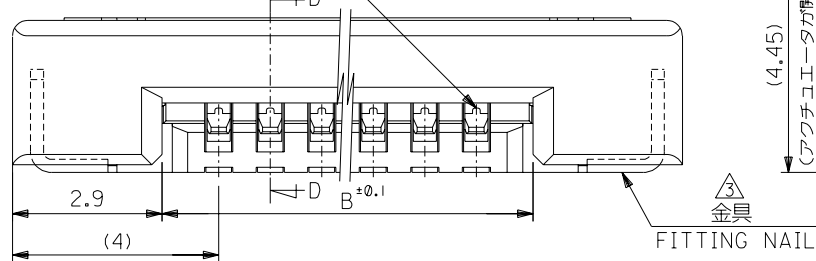
ターミナル
TERMINAL



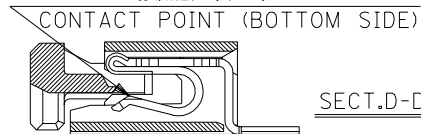
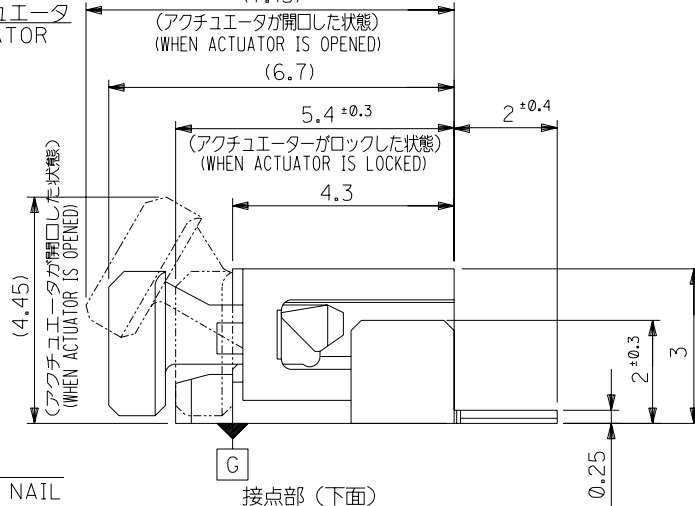
回路番号1用マーク
CKT. NO.1 MARK

トレードマーク
TRADE MARK
接点部 (下面)

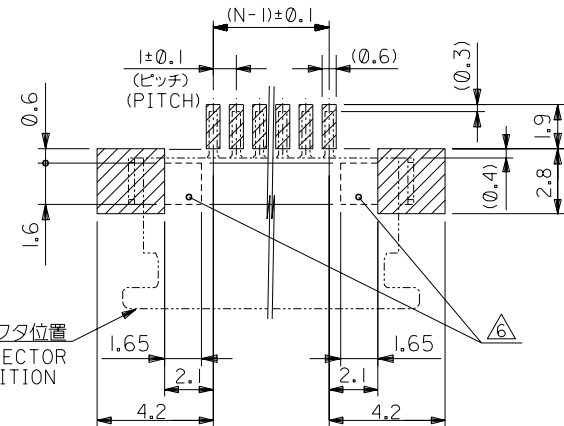
CONTACT POINT (BOTTOM SIDE)



適合FPC推奨寸法
RECOMMENDED APPLICABLE
FPC LAYOUT
(7.15)



コネクタ位置
CONNECTOR
POSITION



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	極数 CKT.

52271-**-19
MODEL NO. C B A MATERIAL NO. 極数 CKT.

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
仕上げ FINISH	注記参照 SEE NOTES	REVISE ONLY ON CAD SYSTEM
適用電線範囲 WIRE RANGE	—	TITLE 名称 1.0 FPC CONN. Z.I.F. SMT (BOTTOM CONTACT)
被覆外径 INS. RANGE	—	-LEAD FREE-
DRAWN BY 04/03/12 H.KAWABATA	CHK'D BY 04/03/12 K.TOJO	DWG. NO. (SHEET 1 OF 2) REV SD-52271-036 B
APP'D BY 04/03/12 M.SASAO	尺度 SCALE	

角度 ANGLE	±3°				
30 以上 OVER	±0.3	B	変更 REVISED	(2004-3551)	H.K. K.S. 04/04/02
10 以上 30 未満 OVER UNDER	±0.25	A	変更 REVISED	(2004-3371)	H.K. K.S. 04/03/29
10 未満 UNDER	±0.2	0	新規作成 RELEASED	(2004-3059)	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

D

1:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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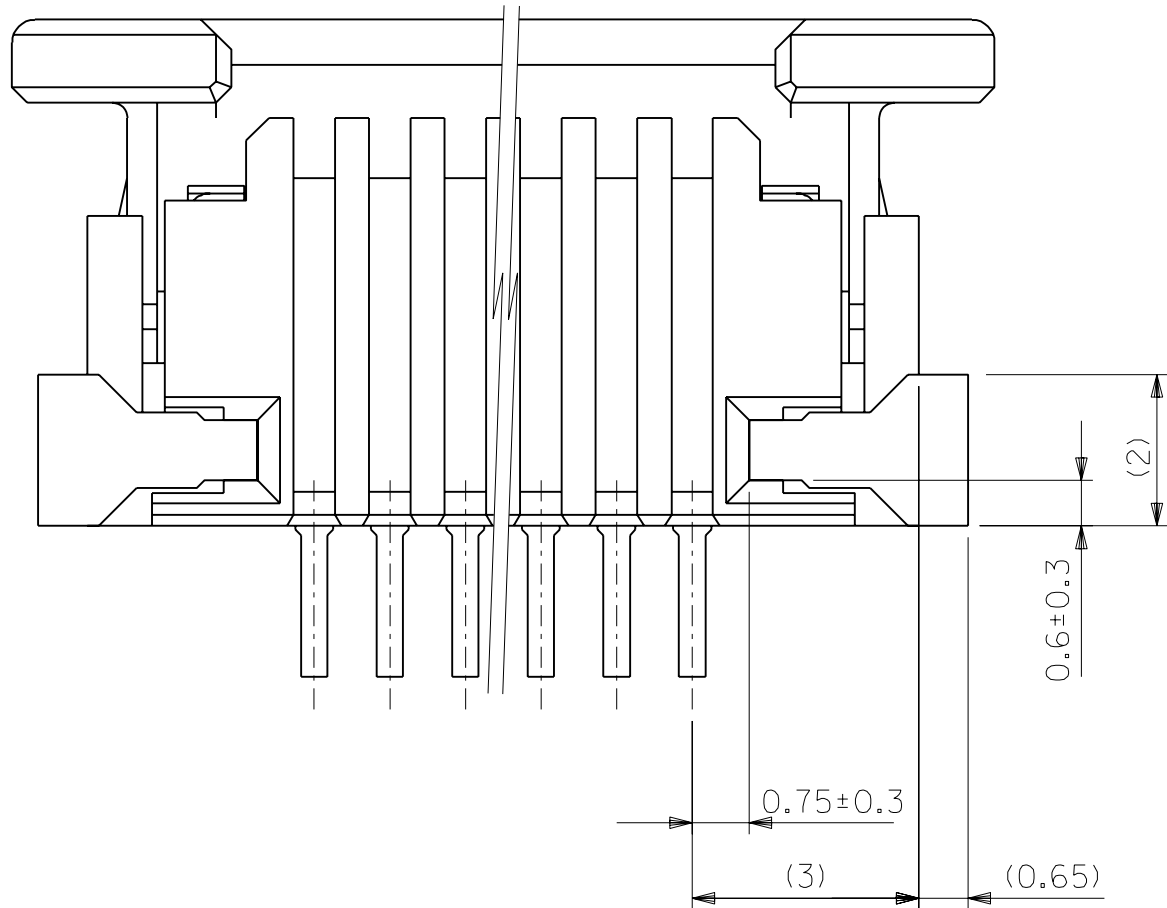
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注記 NOTES

- 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	
		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	

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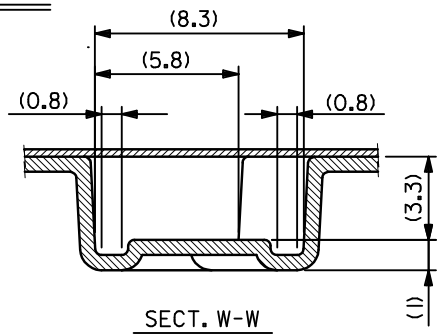
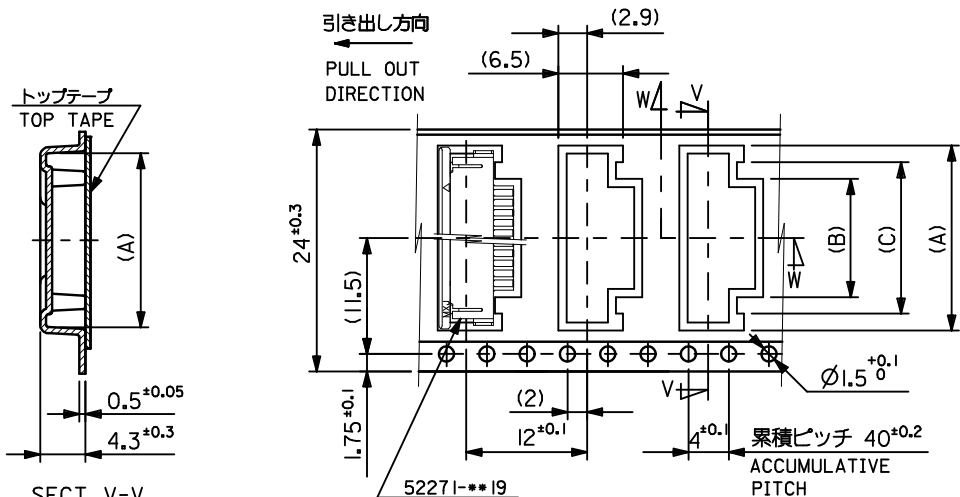
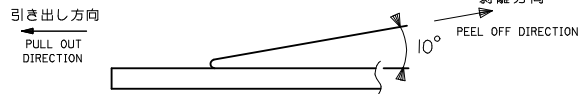
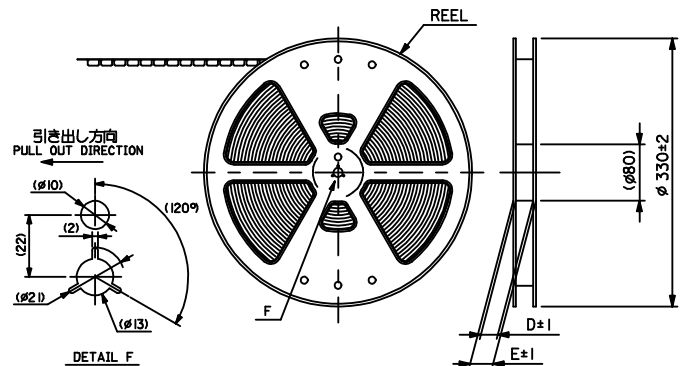
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NOTES

- 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。
詳細寸法については 図面 SD-52271-036 を参照下さい。
IN THE PACKAGE, AUTUATOR 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 175 ±25
トップテープ 未接着部 TOP TAPE NON-BONDED PART 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-**-90.
- 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.



52271-**-19	MODEL NO.	CARRIER TAPE WIDTH	E	D	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

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.
									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						

F

E

D

C

B

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F

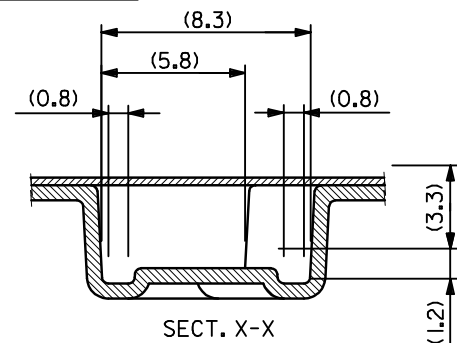
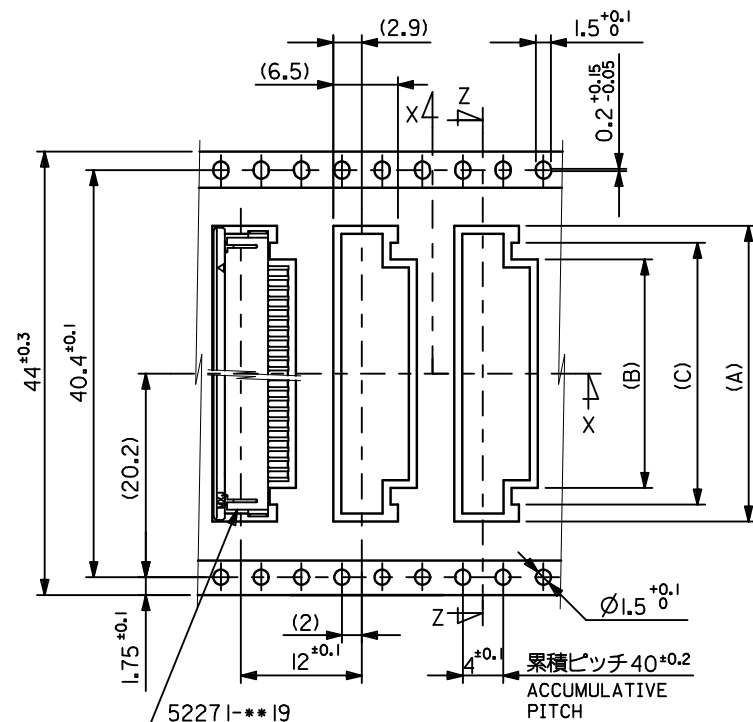
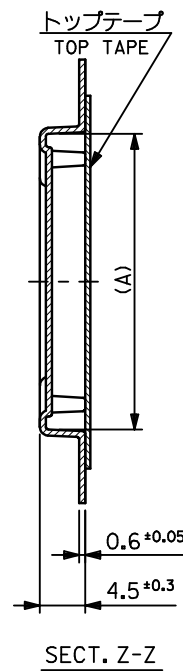
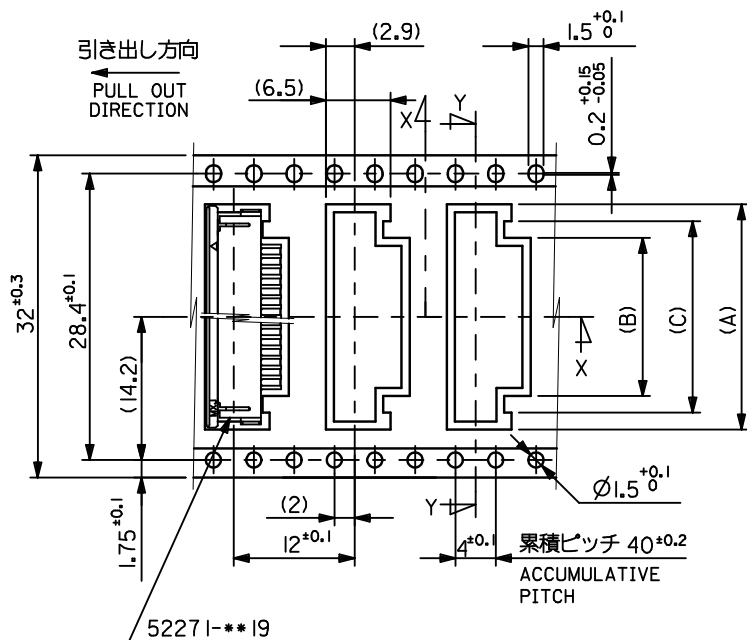
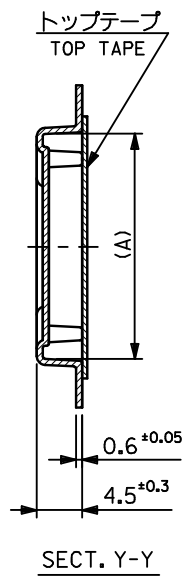
E

D

C

B

A



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
			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.	電 装 CKT.
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REVISED EC NO. J2009-2061 2009/05/20 DRWN:TKON CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21 A	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	MOLEX INCORPORATED				
		30 OVER		APPROVED BY M. SASAO	DATE 2004/03/12	DOCUMENT NO. SD-52271-037				
		ANGULAR		MATERIAL NO.		SHEET NO. 2 OF 3				
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- 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;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- 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;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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

Электронная почта: org@eplast1.ru

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