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Part Number:

0524352171

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 21 Circuits, Gold (Au)
Contact Plating

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

52435Series

Agency Certification

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

52435

Overview

ffc_fpc_smt

Product Name

N/A

Physical

Circuits (Loaded)

21

Contact Position

Top

Durability (mating cycles max)

20

Entry Angle

90° Angle

Flammability

94V-0

Mated Height (in)

0.079 In

Mated Height (mm)

2.00 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Gold

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)

0.020 In

Pitch - Mating Interface (mm)

0.50 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

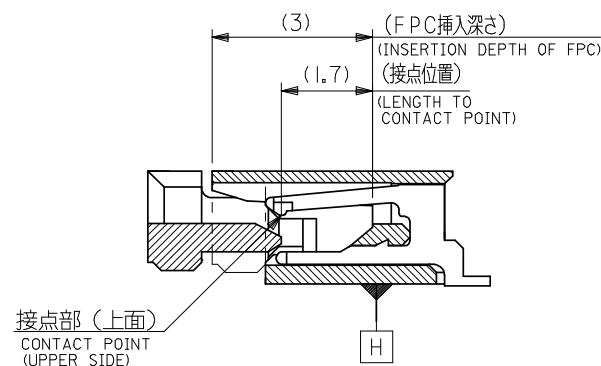
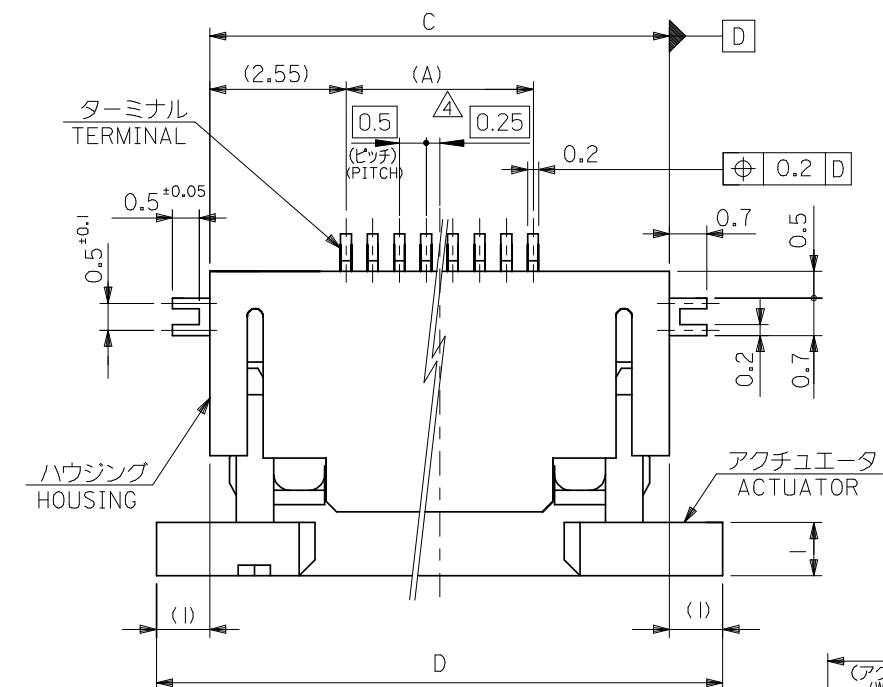
Product Specification

PS-52435-025, RPS-52435-042, RPS-52435-043,
RPS-52435-045, RPS-52435-046, RPS-52435-048

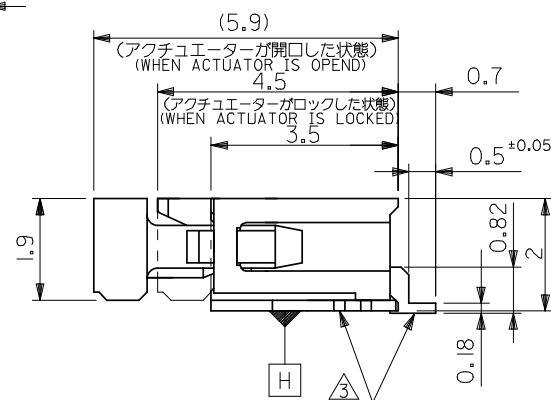
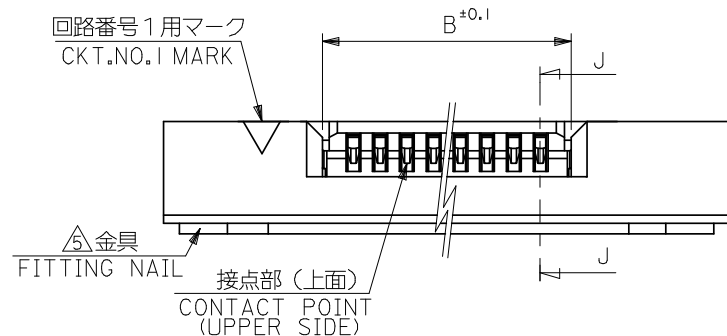
Sales Drawing

SD-52435-016, SD-52435-017

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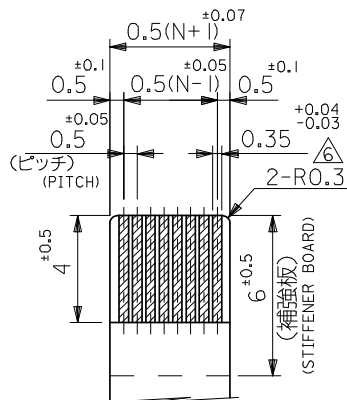


SECT.J-J

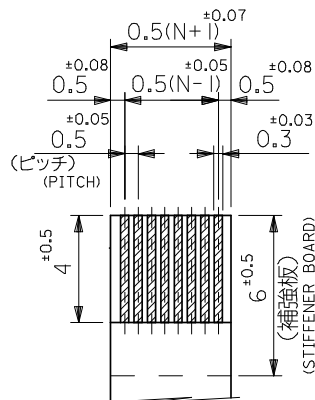


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	21.1	19.1	15.15	14.0	52435-2971	52435-2929	29
5	20.6	18.6	14.65	13.5	52435-2871	52435-2829	28
	20.1	18.1	14.15	13.0	52435-2771	52435-2729	27
7	19.6	17.6	13.65	12.5	52435-2671	52435-2629	26
	19.1	17.1	13.15	12.0	52435-2571	52435-2529	25
	18.6	16.6	12.65	11.5	52435-2471	52435-2429	24
7	18.1	16.1	12.15	11.0	52435-2371	52435-2329	23
	17.6	15.6	11.65	10.5	52435-2271	52435-2229	22
	17.1	15.1	11.15	10.0	52435-2171	52435-2129	21
	14.6	12.6	8.65	7.5	52435-1671	52435-1629	16
	D	C	B	(A)	EMBOSSD TAPE	MATERIAL NO.	極数 Ckt.
					ORDER No. オーダー番号		

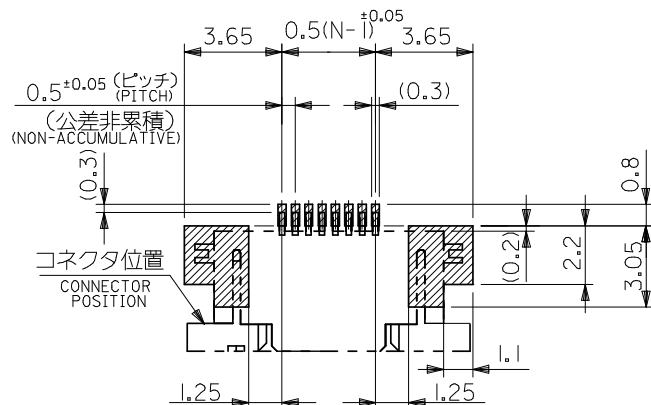
REVISED	EC NO: J2008-4048	DRWN:HWBEI 0808/06/13	CHKD:THARYAMA 0808/06/16	APPR:NUKITA 0808/06/16	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-			
						10 OVER 30 UNDER	± 0.25	CHECKED BY K.TOYODA	DATE 2005/01/17				
						30 OVER	± 0.3	APPROVED BY N. UKITA	DATE 2005/01/17	MOLEX MOLEX INCORPORATED			
						ANGULAR ±3 °	MATERIAL NO.	SEE TABLE		DOCUMENT NO. SD-52435-016	SHEET NO. 1 OF 2		
					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				



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.
(仕上がり厚さ: 0.3 ± 0.05)
(THICKNESS: 0.3 ± 0.05)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION.
(仕上がり厚さ: 0.3 ± 0.05)
(THICKNESS: 0.3 ± 0.05)



参考基板レイアウト
(マウント面)
RECOMMENDED P.C. BOARD
PATTERN DIMENSION (REF.)
(MOUNTING SIDE)

注記 NOTES

1. 使用材料: MATERIAL

ハウジング : 46ナイロン、UL 94V-0
HOUSING 46NYLON

アクチュエータ: PPS、UL 94V-0
ACTUATOR

ターミナル : リン青銅、金メッキ (t=0.2)
TERMINAL PHOS-BRO.GOLD PLATED

金具 : リン青銅、錫メッキ (t=0.2)
FITTING NAIL PHOS-BRO.TIN PLATED

2. 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。

IN THE PACKAGE, ACTUATOR OF PART NO.52435-**-27 SHOULD BE LOCKED.

△1 ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 [H] に対し上方向 0.1 MAX.、下方向 0.15 MAX.とし、相互のバラツキ量は 0.1 MAX.とする。

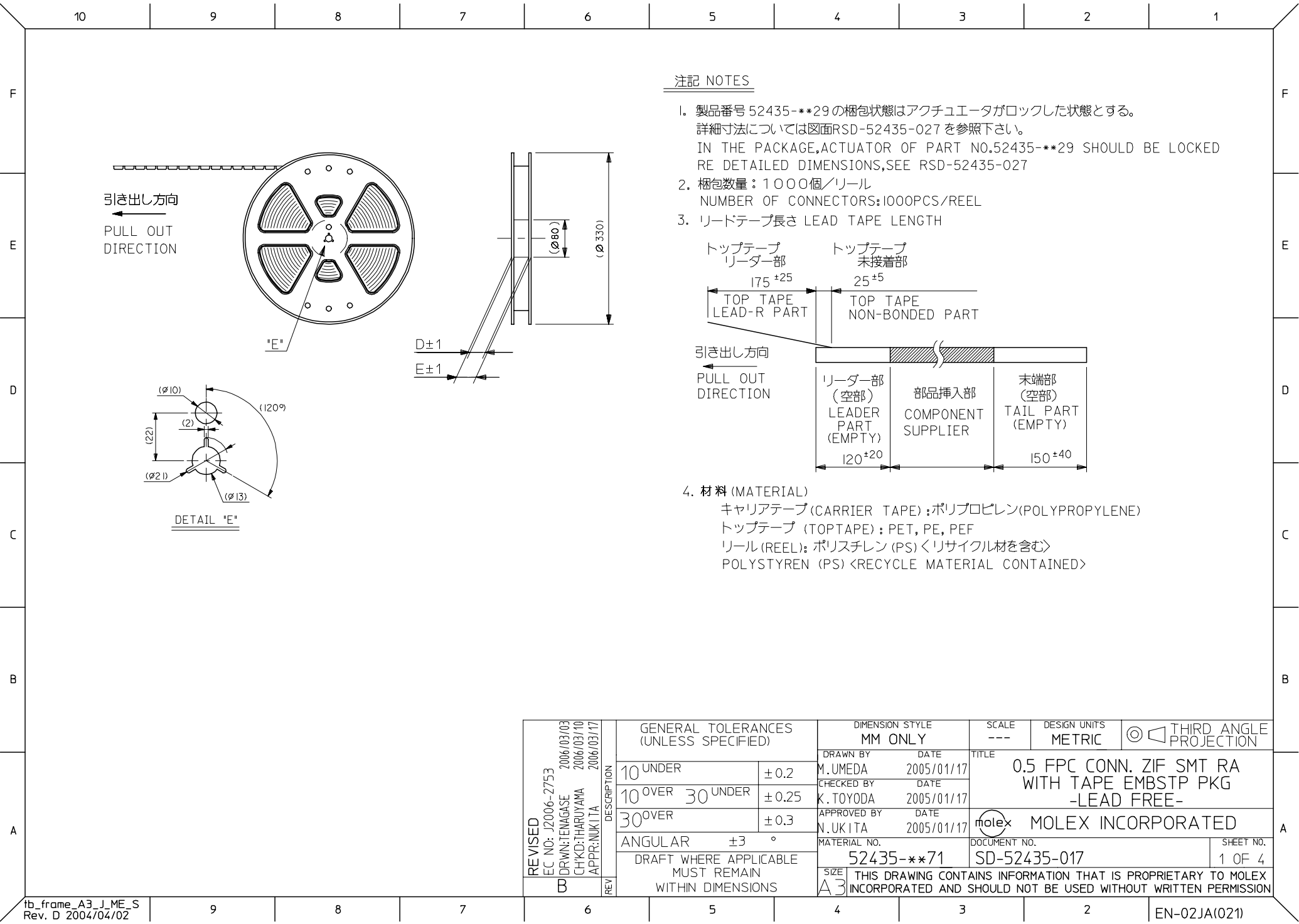
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [H]
UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△4 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△5 パターンはくり止め用金具。
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.

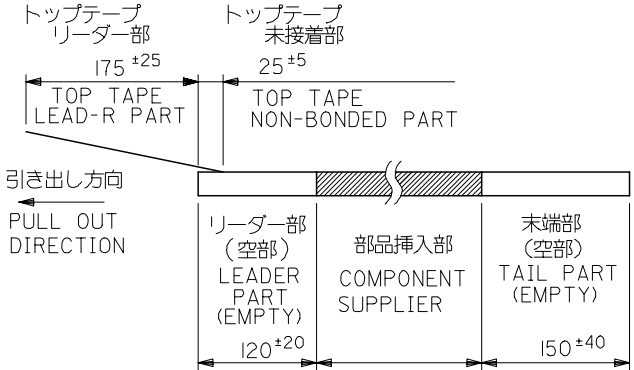
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

REVISED		EC NO: J2008-4048		2008/06/13		2008/06/16		2008/06/16		DRWN:MMABEL		CHKD:THARUYAMA		APPR:NUKITA		DESCRIPTION		REV	
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		SIZE A3	
DIMENSION STYLE MM ONLY		DRAWN BY DATE		M. UMEDA 2005/01/17		CHECKED BY DATE		K. TOYODA 2005/01/17		APPROVED BY DATE		N. UKITA 2005/01/17		MATERIAL NO.		SEE SHEET 1		DOCUMENT NO.	
SCALE 10:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		TITLE		0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-		MOLEX INCORPORATED		SD-52435-016		SHEET NO.		2 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
52435-**-29		MODEL NO.		EN-02JA(021)															



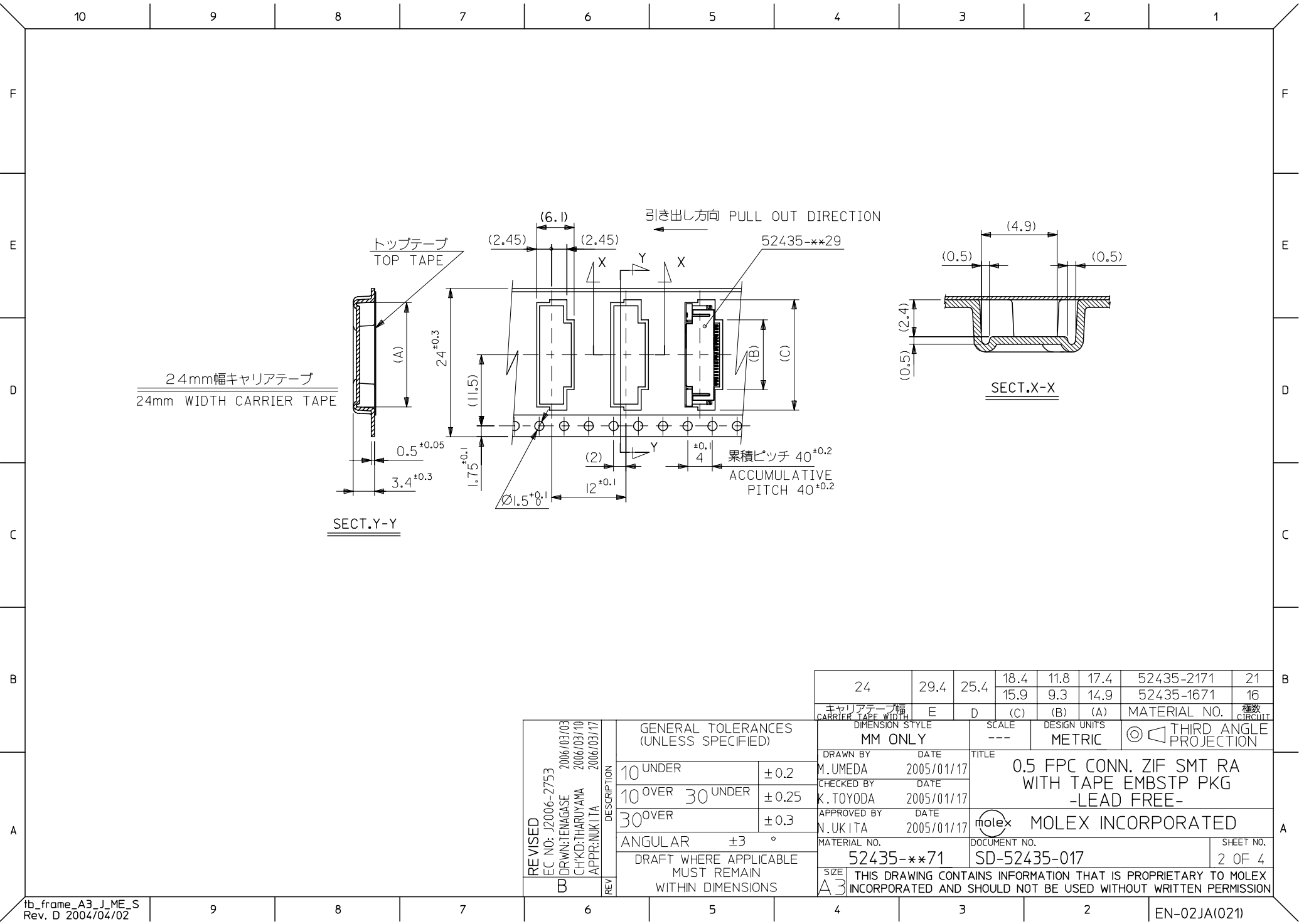
注記 NOTES

- 1. 製品番号 52435-***29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RSD-52435-027を参照下さい。
IN THE PACKAGE,ACTUATOR OF PART NO.52435-***29 SHOULD BE LOCKED
RE DETAILED DIMENSIONS,SEE RSD-52435-027
- 2. 梱包数量：1000個/リール
NUMBER OF CONNECTORS:1000PCS/REEL
- 3. リードテープ長さ LEAD TAPE LENGTH



- 4. 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 (TOPTAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>

REVISED EC NO: J2006-2753 DRWN: TENAGASE 2006/03/03 CHKD: THARUYAMA 2006/03/10 APPR: NUKITA 2006/03/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION						
		10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-								
		10 OVER 30 UNDER	± 0.25	CHECKED BY K.TOYODA	DATE 2005/01/17									
		30 OVER	± 0.3	APPROVED BY N.NUKITA	DATE 2005/01/17	MOLEX INCORPORATED								
		ANGULAR ±3 °		MATERIAL NO. 52435-**71							DOCUMENT NO. SD-52435-017		SHEET NO. 1 OF 4	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	REV													



REVISED EC NO: J2006-2753 DRWN: TENAGASE 2006/03/03 CHKD: THARUYAMA 2006/03/10 APPR: NUKITA 2006/03/17 B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY M.UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA	DATE 2005/01/17				
		30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2005/01/17	MOLEX MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO. 52435-**71		DOCUMENT NO. SD-52435-017		SHEET NO. 2 OF 4	
	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					
	REV								

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

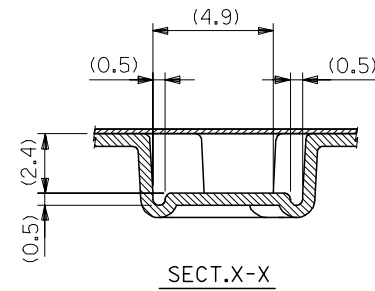
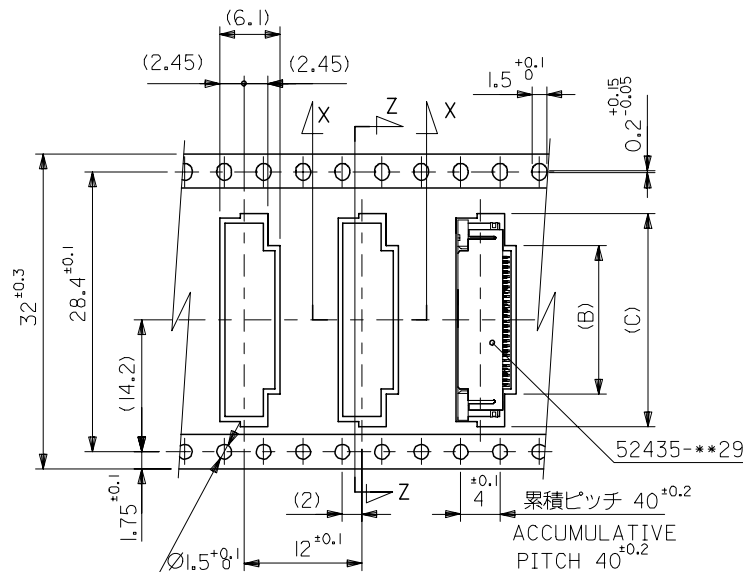
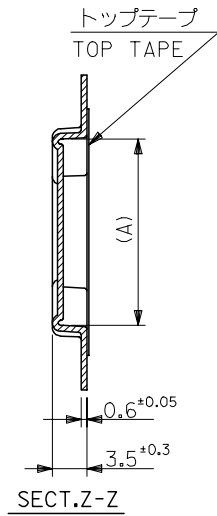
B

A

A

引き出し方向
PULL OUT DIRECTION

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



32	37.4	33.4	22.4	15.8	21.4	52435-2971	29
			21.9	15.3	20.9	52435-2871	28
			21.4	14.8	20.4	52435-2771	27
			20.9	14.3	19.9	52435-2671	26
			20.4	13.8	19.4	52435-2571	25
			19.9	13.3	18.9	52435-2471	24
			19.4	12.8	18.4	52435-2371	23
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	18.9	12.3	17.9	52435-2271	22
			(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED EC NO: J2006-2753 DRWN: TENAGASE CHKD: THARYAMA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION						
		10 UNDER	±0.2	M.UMEDA	2005/01/17	TITLE 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-								
		10 OVER 30 UNDER	±0.25	K.TOYODA	2005/01/17									
		30 OVER	±0.3	N.NUKITA	2005/01/17	MOLEX INCORPORATED								
		ANGULAR ±3 °		MATERIAL NO. 52435-**-71							DOCUMENT NO. SD-52435-017			SHEET NO. 3 OF 4
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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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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