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Part Number: [0524353071](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 30 Circuits, Gold (Au) Contact Plating

General

Product Family	FFC/FPC Connectors
Series	52435
Overview	ffc_fpc_smt
Product Name	N/A

Physical

Circuits (Loaded)	30
Contact Position	Top
Durability (mating cycles max)	20
Entry Angle	90° Angle
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

Packaging Specification	SPK-52435-001
Product Specification	PS-52435-025, RPS-52435-036, RPS-52435-039, RPS-52435-040, RPS-52435-042, RPS-52435-043, RPS-52435-045, RPS-52435-046, RPS-52435-048
Sales Drawing	SD-52435-016, SD-52435-017

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

China RoHS



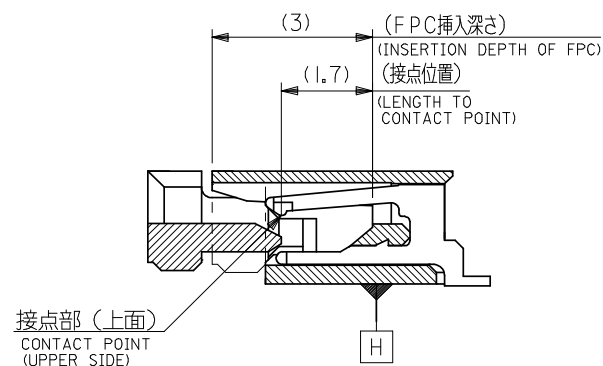
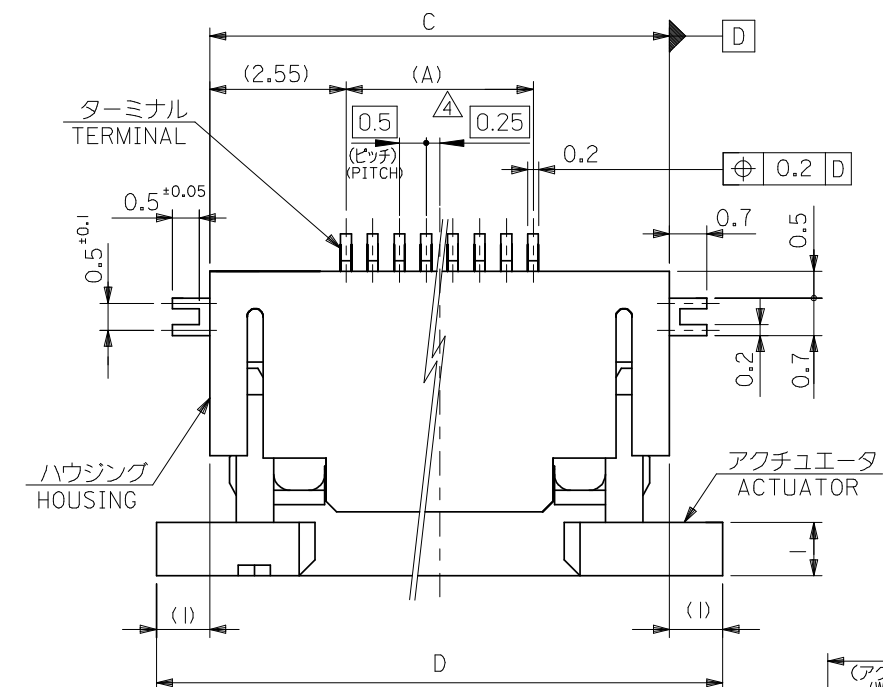
Not Reviewed

Need more information on product environmental compliance?

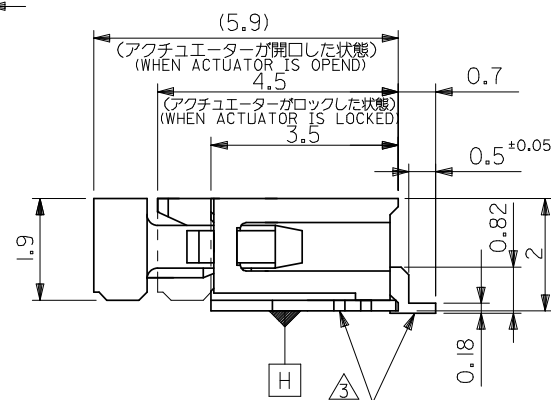
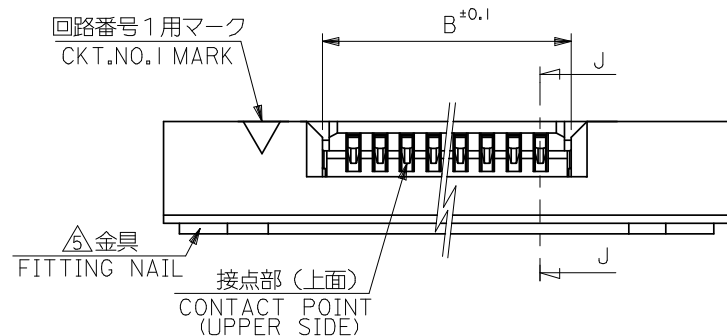
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[52435Series](#)

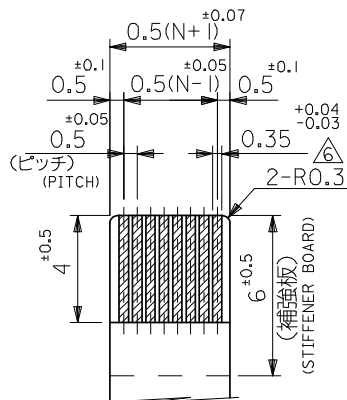


SECT.J-J

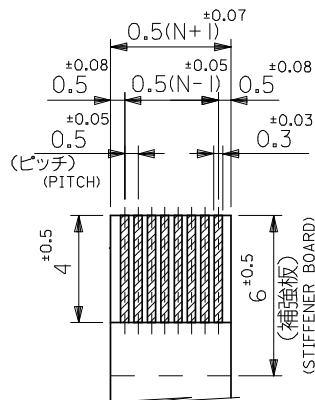


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5	20.6	18.6	14.65	13.5	52435-2871	52435-2829	28
	20.1	18.1	14.15	13.0	52435-2771	52435-2729	27
7	19.6	17.6	13.65	12.5	52435-2671	52435-2629	26
	19.1	17.1	13.15	12.0	52435-2571	52435-2529	25
	18.6	16.6	12.65	11.5	52435-2471	52435-2429	24
7	18.1	16.1	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		

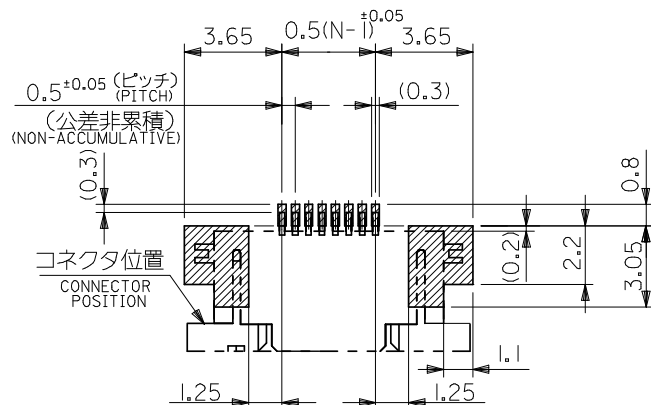
REVISED	EC NO: J2008-4048 DRAWN: NABEI CHKD: THARYAMA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
					MM ONLY		10:1	METRIC				
			10 UNDER	± 0.2	DRAWN BY M. UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. ZIF FOR SMT R/A(TOP 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.		DOCUMENT NO.		SHEET NO.			
REV	C	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-52435-016				1 OF 2			
			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、UL94V-0
HOUSING 46NYLON

アクチュエータ: PPS、UL94V-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。

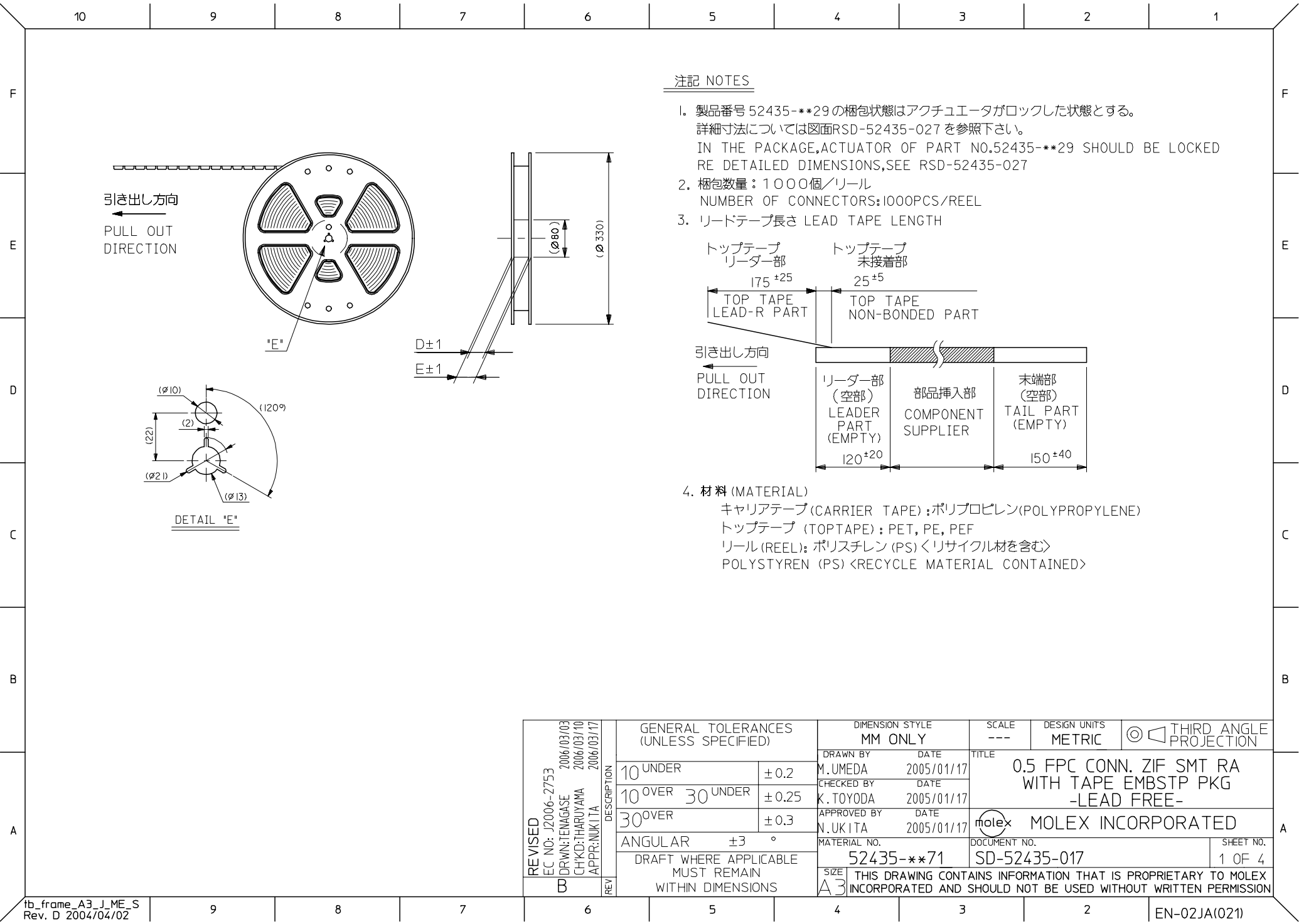
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM **H**
UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△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.

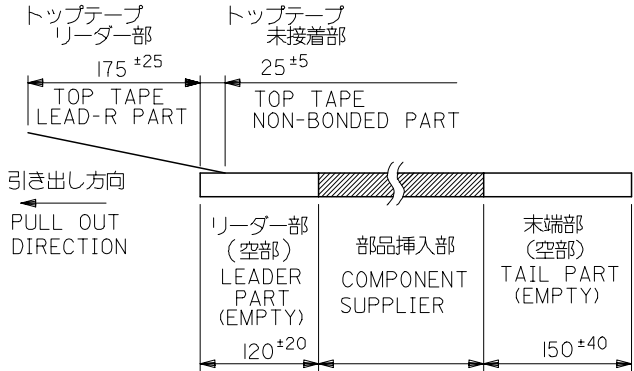
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
DIMENSION STYLE		MM ONLY		DRAWN BY		DATE		M. UEDA		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.		SD-52435-016		SHEET NO.		2 OF 2	
SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															



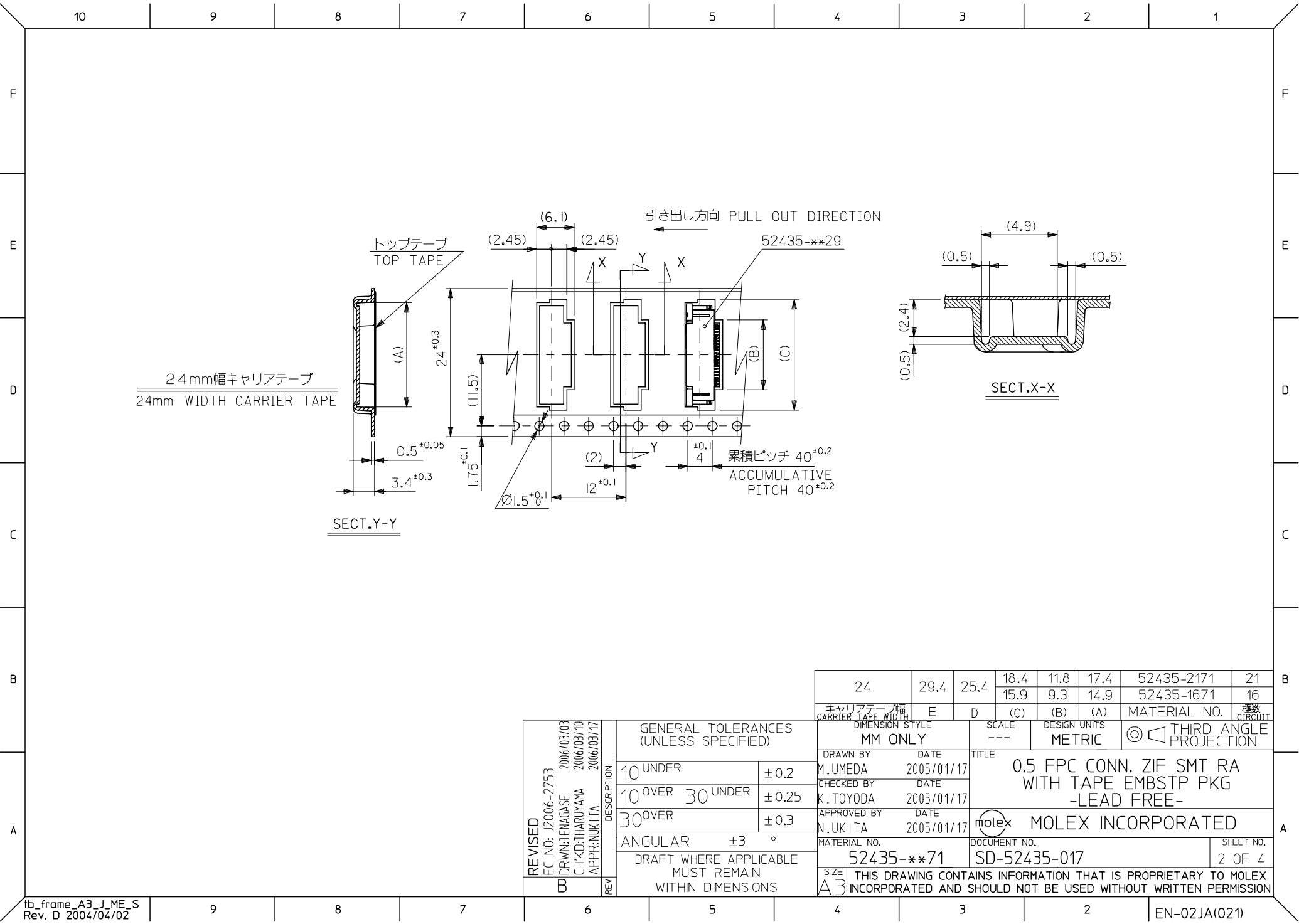
注記 NOTES

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. UKITA	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
	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			

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

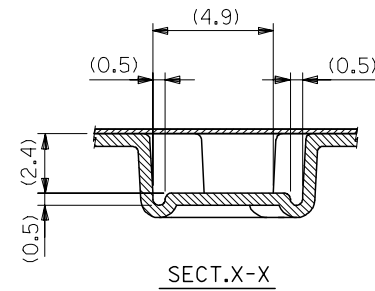
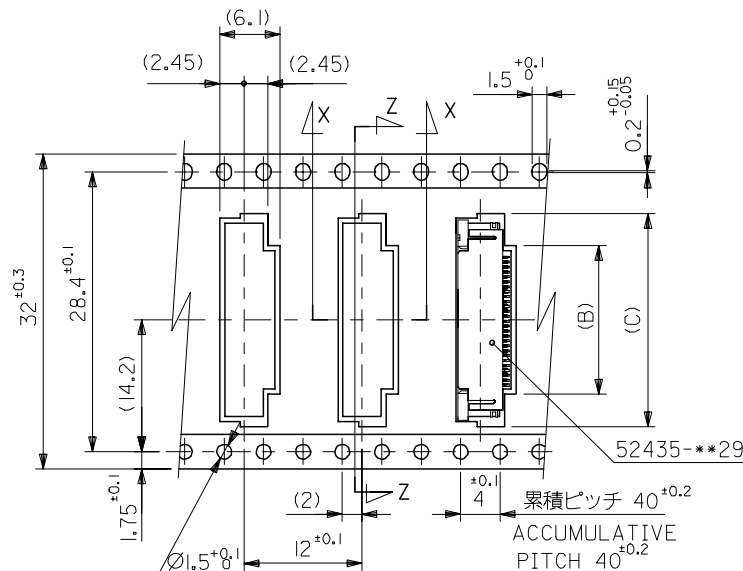
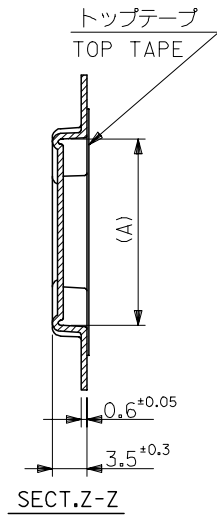
B

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						
		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トップテープ
TOP TAPE44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

SECT.Z-Z

SECT.W-W

44	49.4	45.4	22.9	16.3	21.9	52435-3071	30
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED EC NO: J2006-2753 DRWN: TENAGASE CHKD: THARUYAMA APPR: NUKITA	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. 4 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									

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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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