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Part Number: [0524352771](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 27 Circuits, Gold (Au) Contact Plating

General

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

Physical

Circuits (Loaded)	27
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

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

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



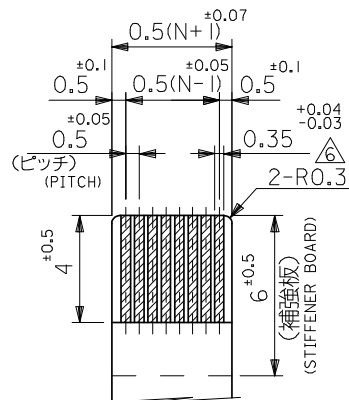
**Need more information on product
environmental compliance?**

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

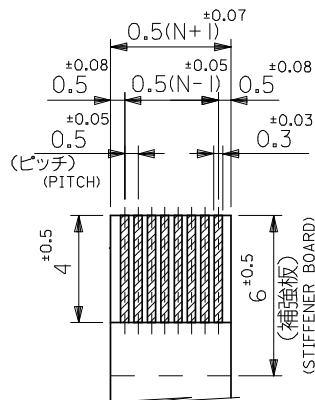
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

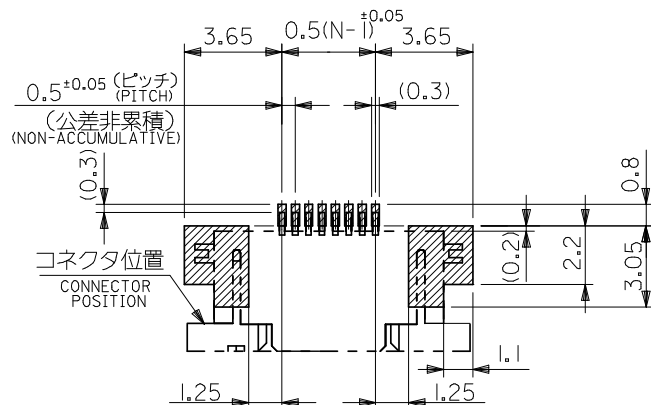
[52435Series](#)



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



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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。

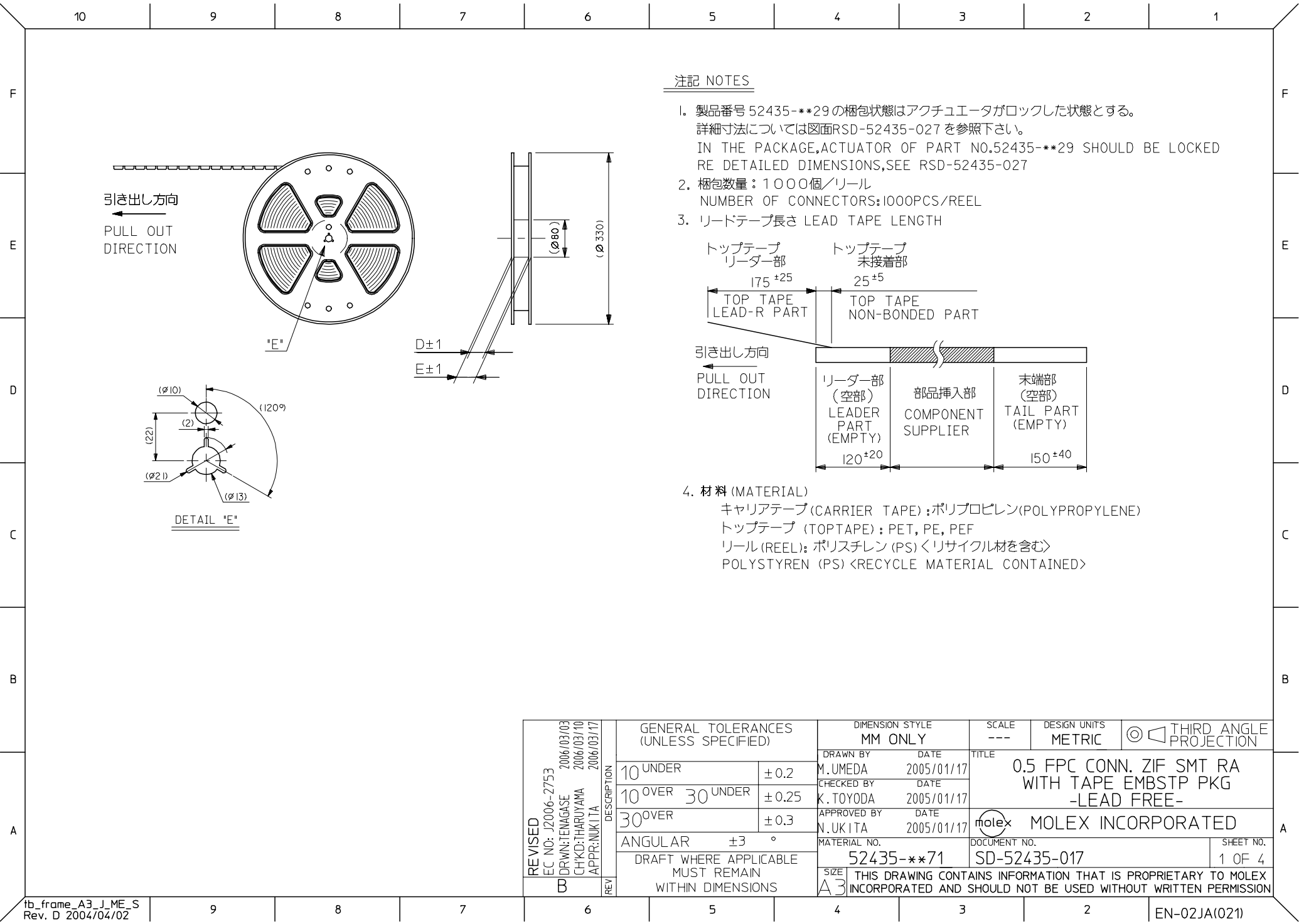
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM **H**
UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△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.

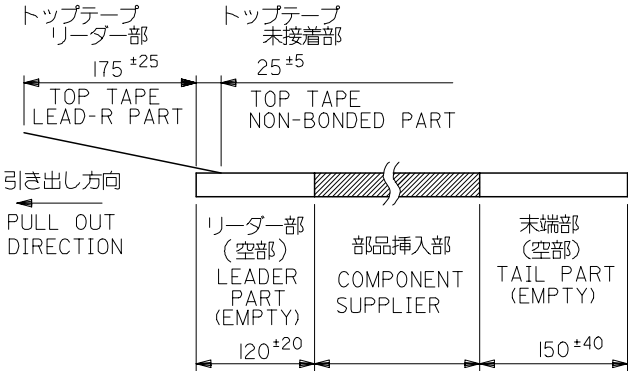
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

REVISED	EC NO: J2008-4048	DRWN:MMABEI 2008/06/13	CHKD:THARUYAMA 2008/06/16	APPR:NUKITA 2008/06/16	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 INCORPORATED			
						ANGULAR ±3 °	MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-52435-016	SHEET NO. 2 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				



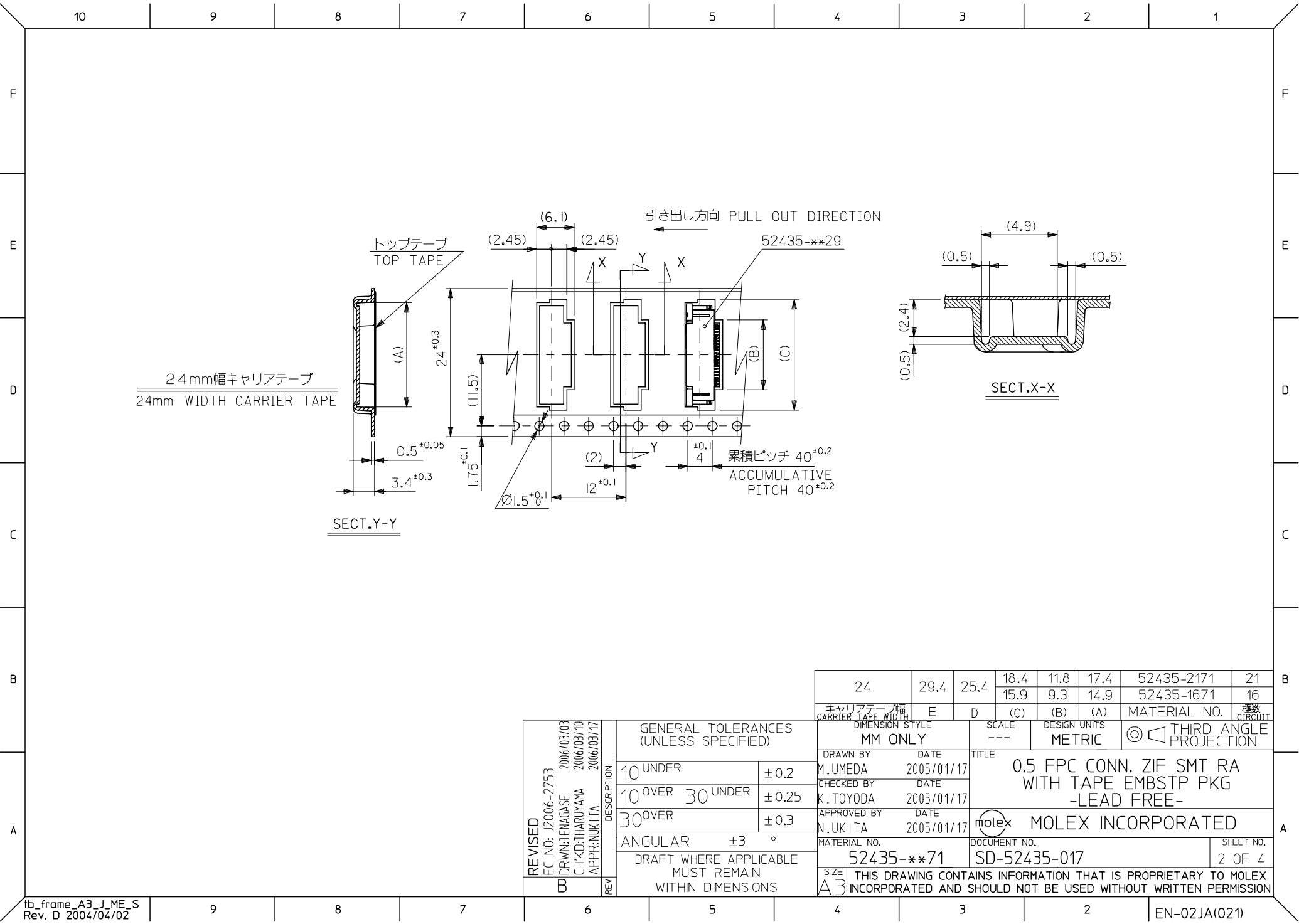
注記 NOTES

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 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		2006/03/03		DRWN: TENAGASE		2006/03/10		CHKD: THARUYAMA		2006/03/10		APPR: NUKITA		2006/03/17		DESCRIPTION		REV	
B		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	
24		29.4		25.4		18.4		11.8		17.4		52435-2171		21		15.9		9.3		14.9	
キャリアテープ幅		E		D		(C)		(B)		(A)		52435-1671		16		MATERIAL NO.		極数		CIRCUIT	
DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		DRAWN BY		DATE		TITLE		0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
MM ONLY		---		METRIC		M.UMEDA		2005/01/17		K.TOYODA		2005/01/17		N.UMEDA		2005/01/17		SD-52435-017		2 OF 4	
52435-**71		52435-**29		52435-**29		52435-**29		52435-**29		52435-**29		52435-**29		52435-**29		52435-**29		52435-**29		52435-**29	
SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		52435-**71		SD-52435-017		2 OF 4		EN-02JA(021)									

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

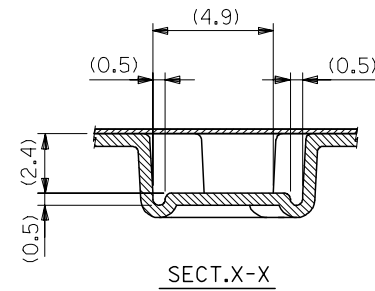
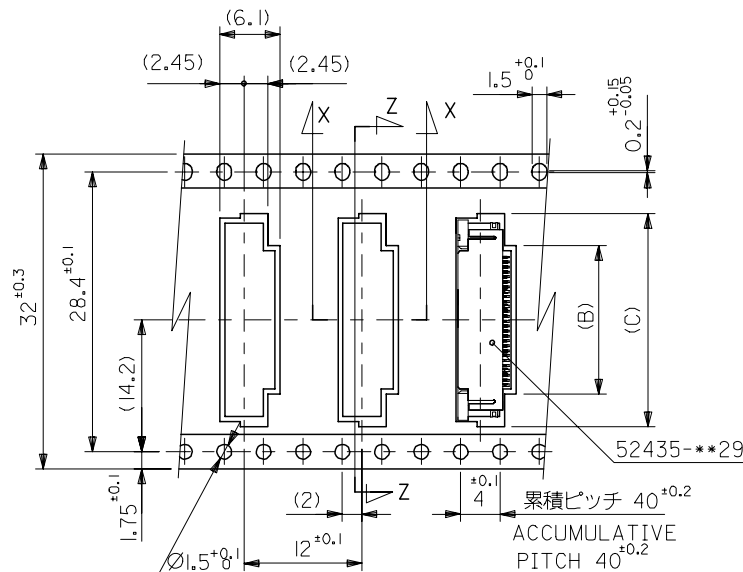
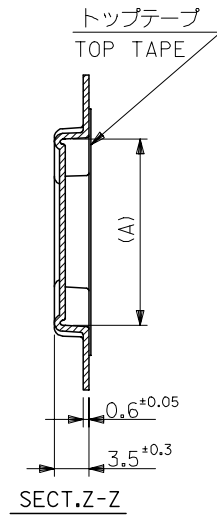
B

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	
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		10 OVER 30 UNDER	±0.25	K.TOYODA	2005/01/17				
		30 OVER	±0.3	N.NUKITA	2005/01/17				
		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					

