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Part Number:

0524352371

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 23 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)

23

Circuits (maximum)

23

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

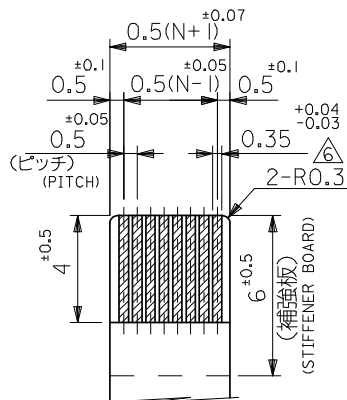
Product Specification

PS-52435-025, RPS-52435-028, RPS-52435-042,
RPS-52435-043, RPS-52435-045, RPS-52435-046,
RPS-52435-048

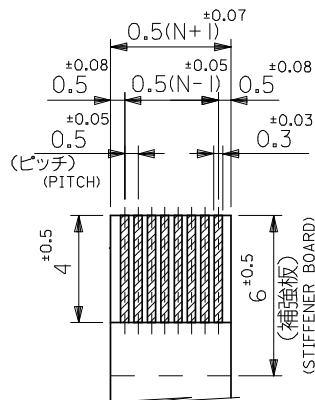
Sales Drawing

SD-52435-016, SD-52435-017

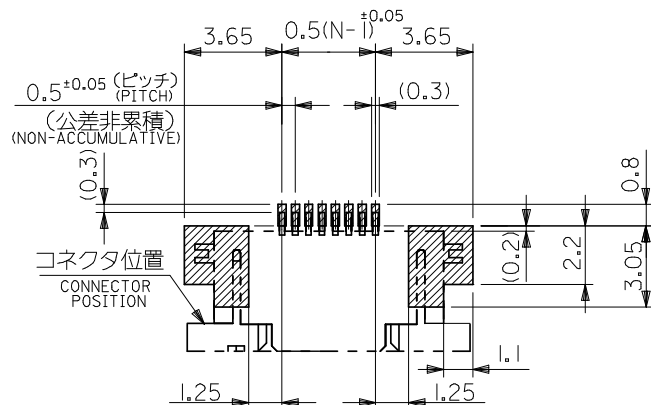
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適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.
(仕上がり厚さ: 0.3 ± 0.05)
(THICKNESS: 0.3 ± 0.05)



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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。

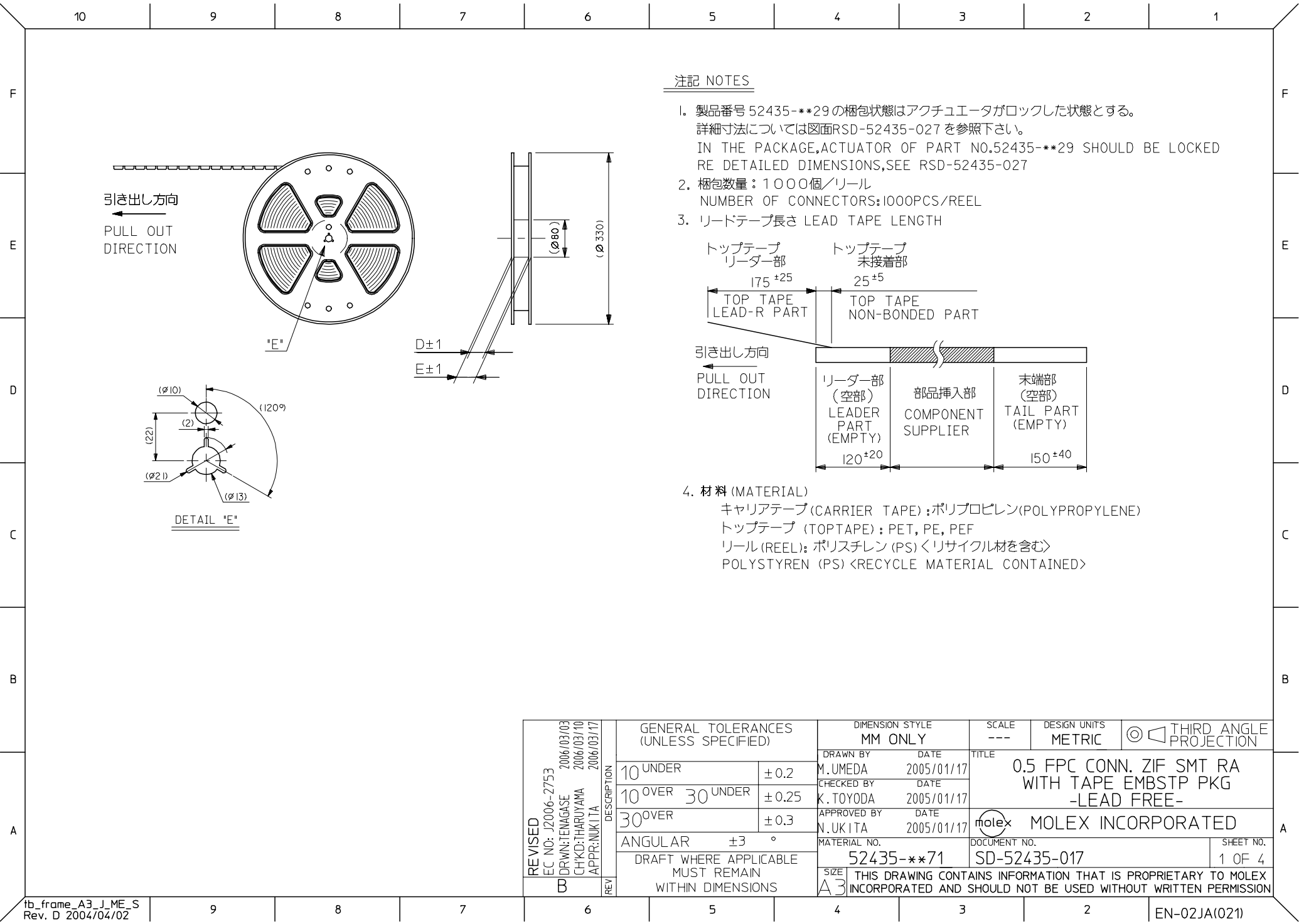
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM **H**
UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△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.

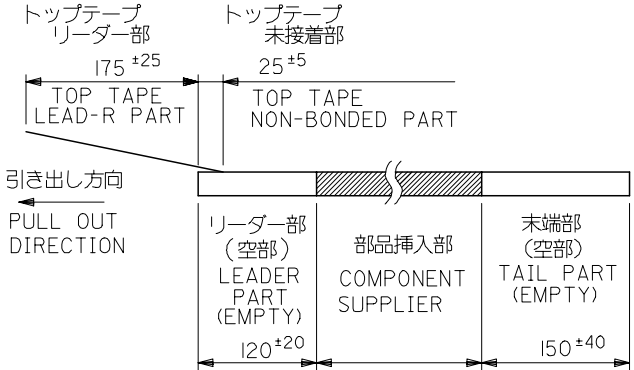
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

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 MOLEX INCORPORATED			
						ANGULAR ±3 °		MATERIAL NO.					
REV	C	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET 1		SD-52435-016		2 OF 2			
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



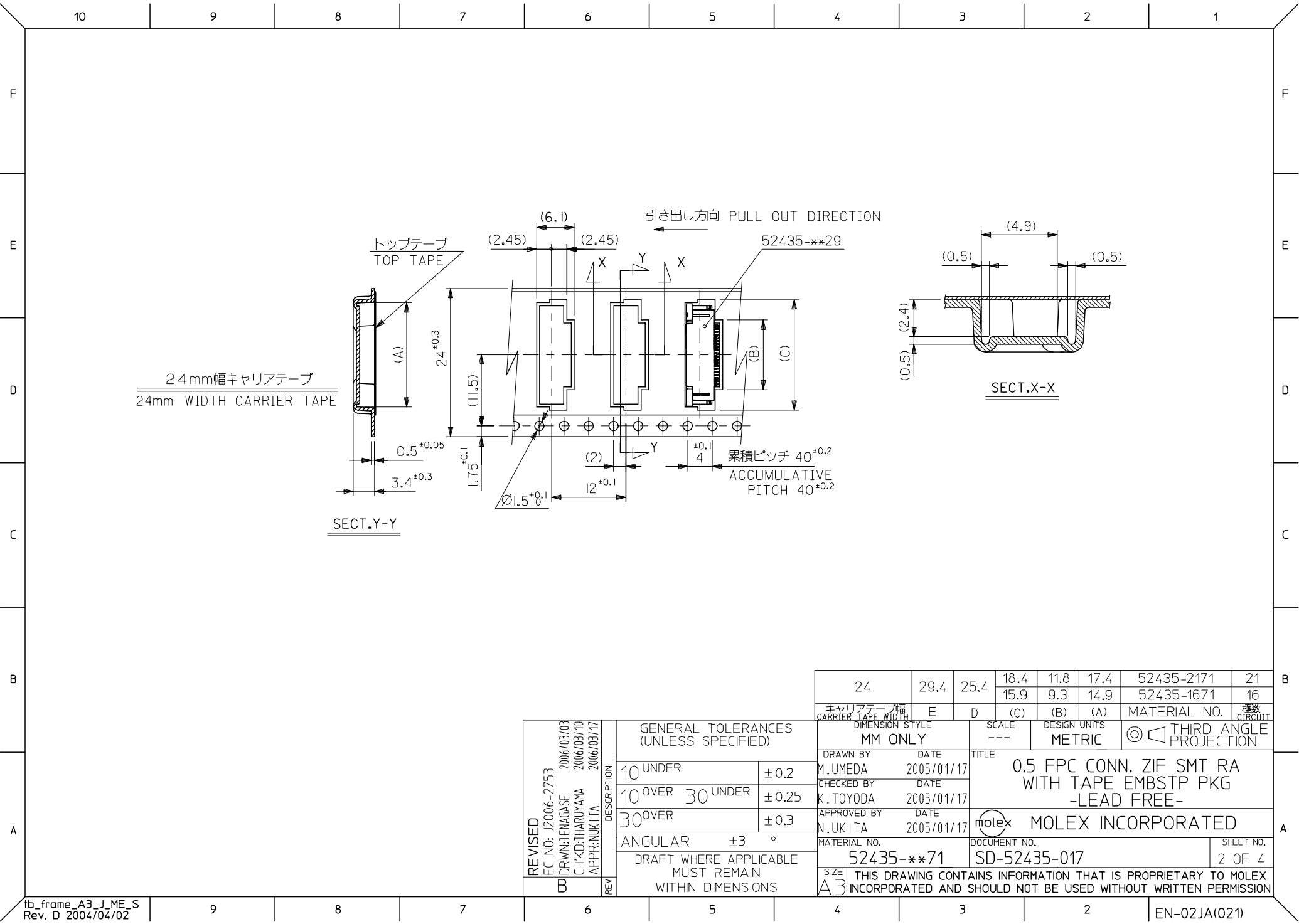
注記 NOTES

- 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. 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									



24	29.4	25.4	18.4	11.8	17.4	52435-2171	21
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	15.9	9.3	14.9	52435-1671	16
DIMENSION STYLE MM ONLY			SCALE ---	DESIGN UNITS METRIC		MATERIAL NO.	極数 CIRCUIT
DRAWN BY M.UMEDA			DATE 2005/01/17		TITLE 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-		
CHECKED BY K. TOYODA			DATE 2005/01/17		THIRD ANGLE PROJECTION		
APPROVED BY N. UKITA			DATE 2005/01/17		MOLEX INCORPORATED		
MATERIAL NO. 52435-**71			DOCUMENT NO. SD-52435-017				SHEET NO. 2 OF 4
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

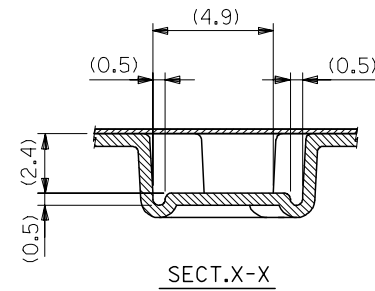
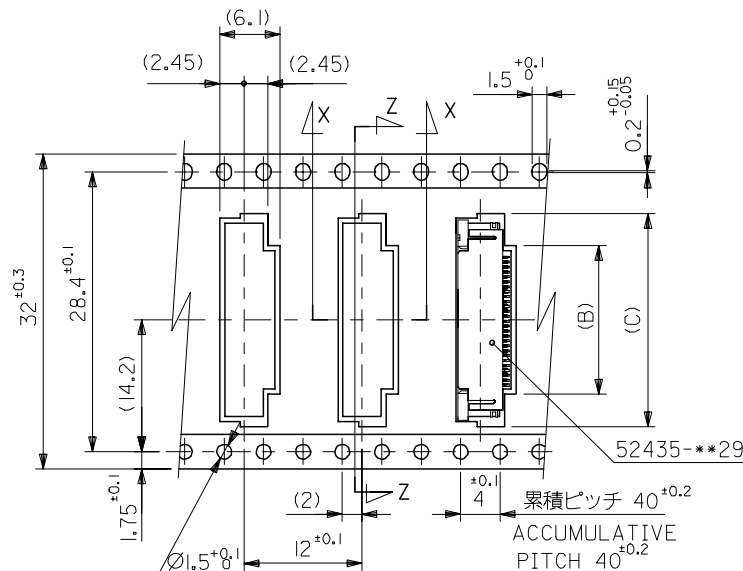
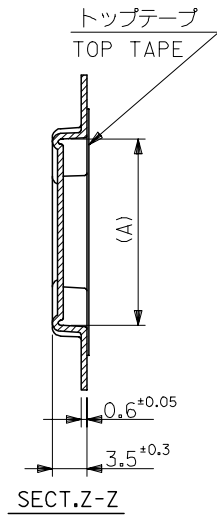
B

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 REV	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										

