

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0524352571

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 25 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)

25

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

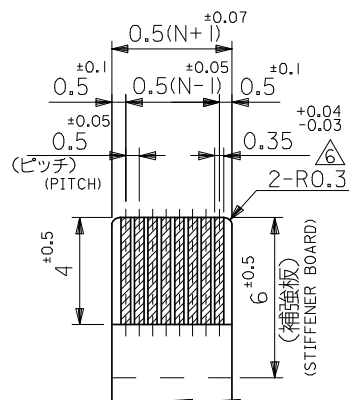
Product Specification

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

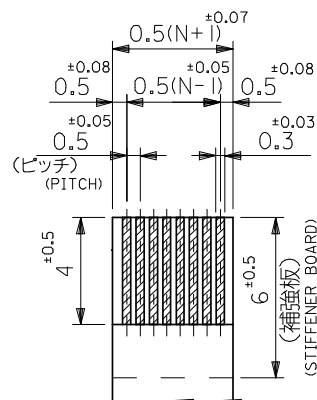
Sales Drawing

SD-52435-016, SD-52435-017

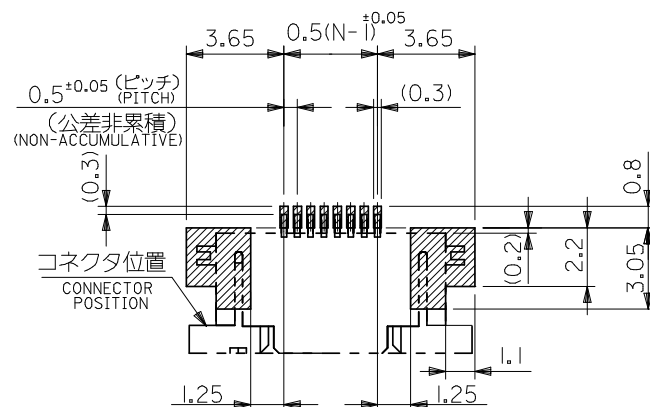
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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: $0.3^{+0.05}$)



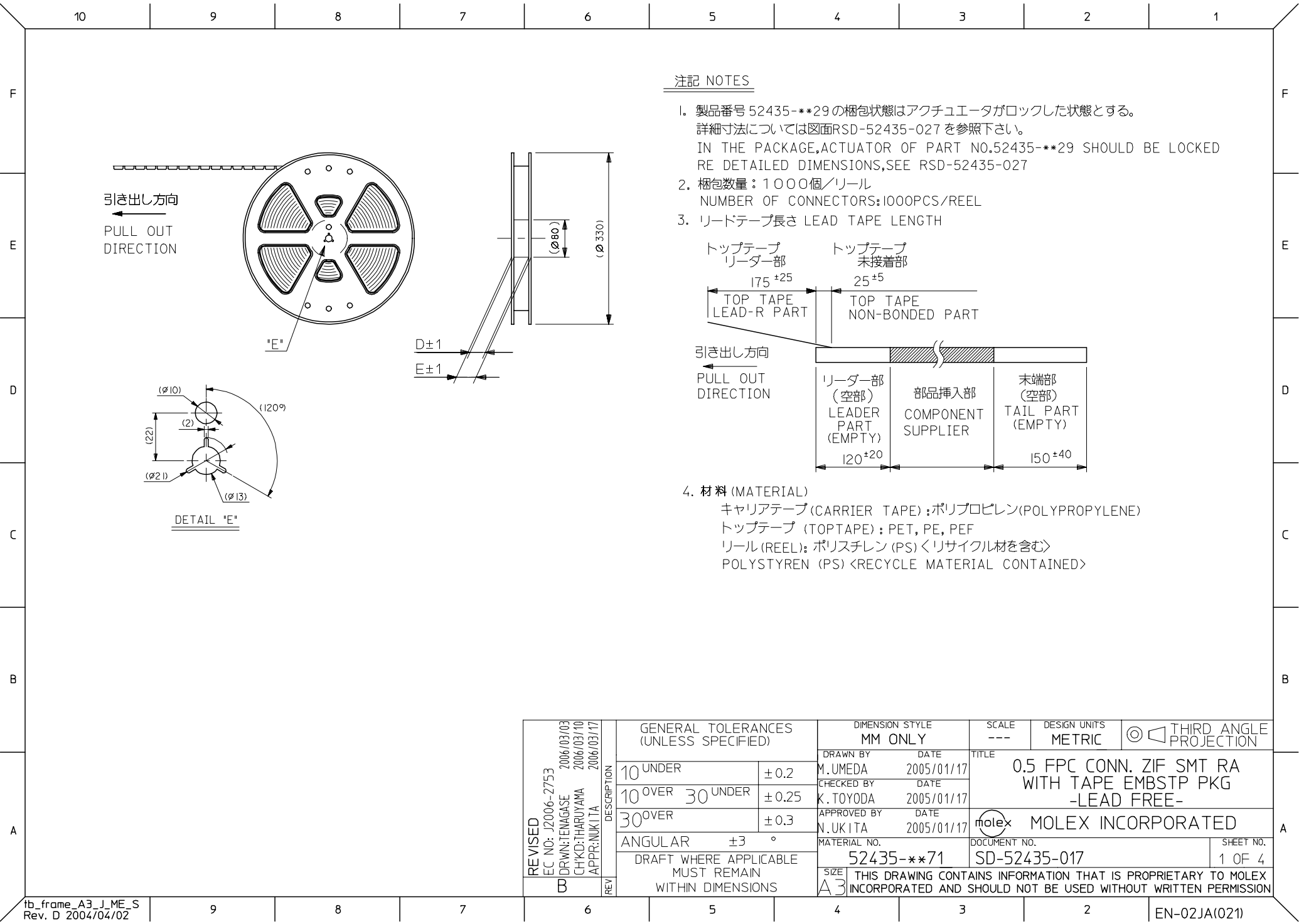
参考基板レイアウト
(マウント面)

RECOMMENDED P.C.BOARD
PATTERN DIMENSION (REF.)
(MOUNTING SIDE)

注記 NOTES

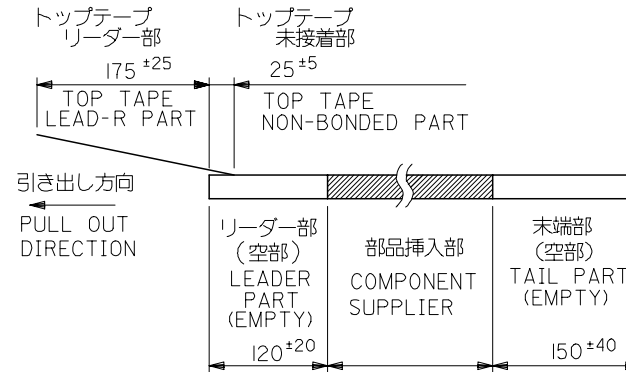
1. 使用材料 : MATERIAL
- | | |
|---------------------|---|
| ハウジング
HOUSING | : 46ナイロン、UL94V-0
46NYLON |
| アクチュエータ
ACTUATOR | : PPS、UL94V-0 |
| ターミナル
TERMINAL | : リン青銅、金メッキ (t=0.2)
PHOS-BRO.GOLD PLATED |
| 金具
FITTING NAIL | : リン青銅、錫メッキ (t=0.2)
PHOS-BRO.TIN PLATED |
2. エンボステーブル梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE,ACTUATOR OF PART NO.52435-**-27 SHOULD BE LOCKED.
- ③ ソルダーテ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 0.1MAX. , 下方向 0.15MAX.とし、相互のバラツキ量は 0.1MAX.とする。
- MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM H
UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1MAX
- 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 RO.3は、FPCの導体部にかからないこと。
RO.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

REVISED EC NO.: J2008-4048 DRWN:MABEL 2008/06/13 CHKD:THARYAMA 2008/06/16 APPR:NUKITA 2008/06/16		DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	52435-***29	MODEL NO.	
					DRAWN BY DATE		TITLE 0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-				
					CHECKED BY DATE						
			10 UNDER ± 0.2		M.UMEDA 2005/01/17		MOLEX MOLEX INCORPORATED				
			10 OVER 30 UNDER ± 0.25		K TOYODA 2005/01/17						
30 OVER ± 0.3		APPROVED BY DATE		N. UKITA 2005/01/17		DOCUMENT NO.					
ANGULAR ±3 °		MATERIAL NO.		SEE SHEET 1		SD-52435-016					
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

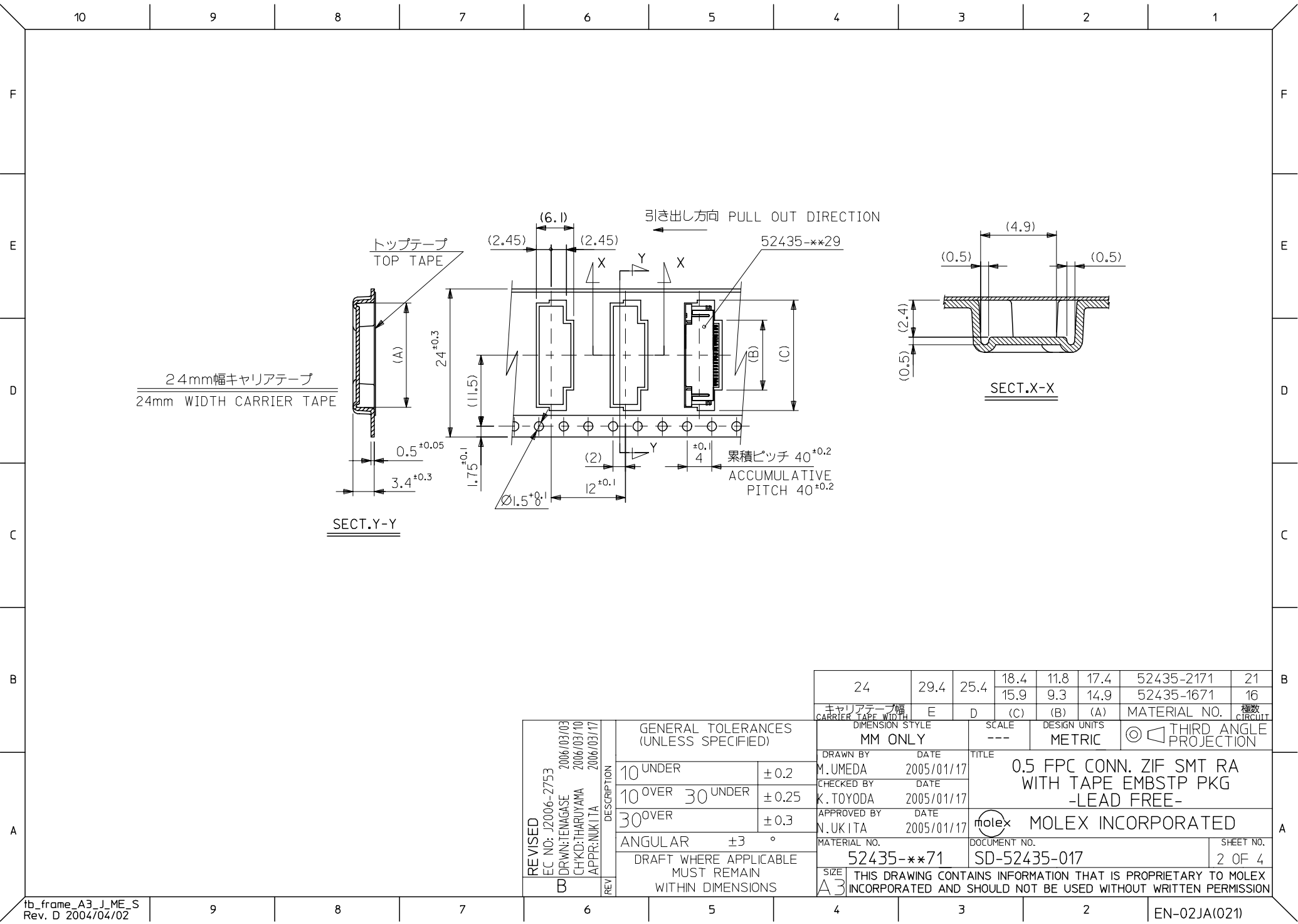
- 製品番号 52435-***29 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については図面 RSD-52435-027 を参照下さい。
IN THE PACKAGE, ACTUATOR OF PART NO. 52435-***29 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE RSD-52435-027
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS: 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



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: HARUYAMA 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		
	REV	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						



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

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

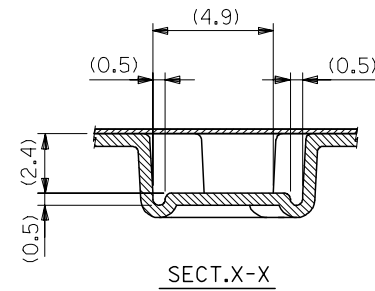
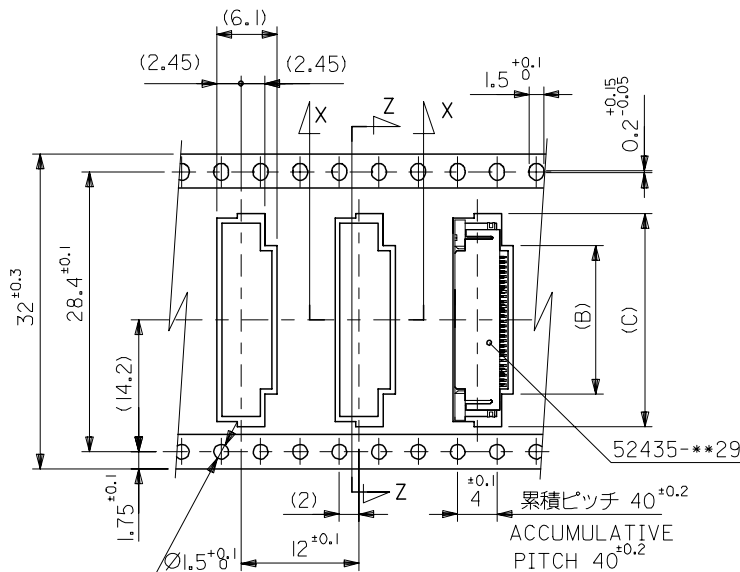
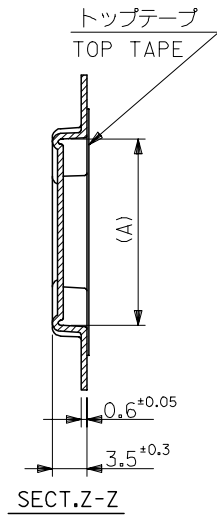
B

A

A

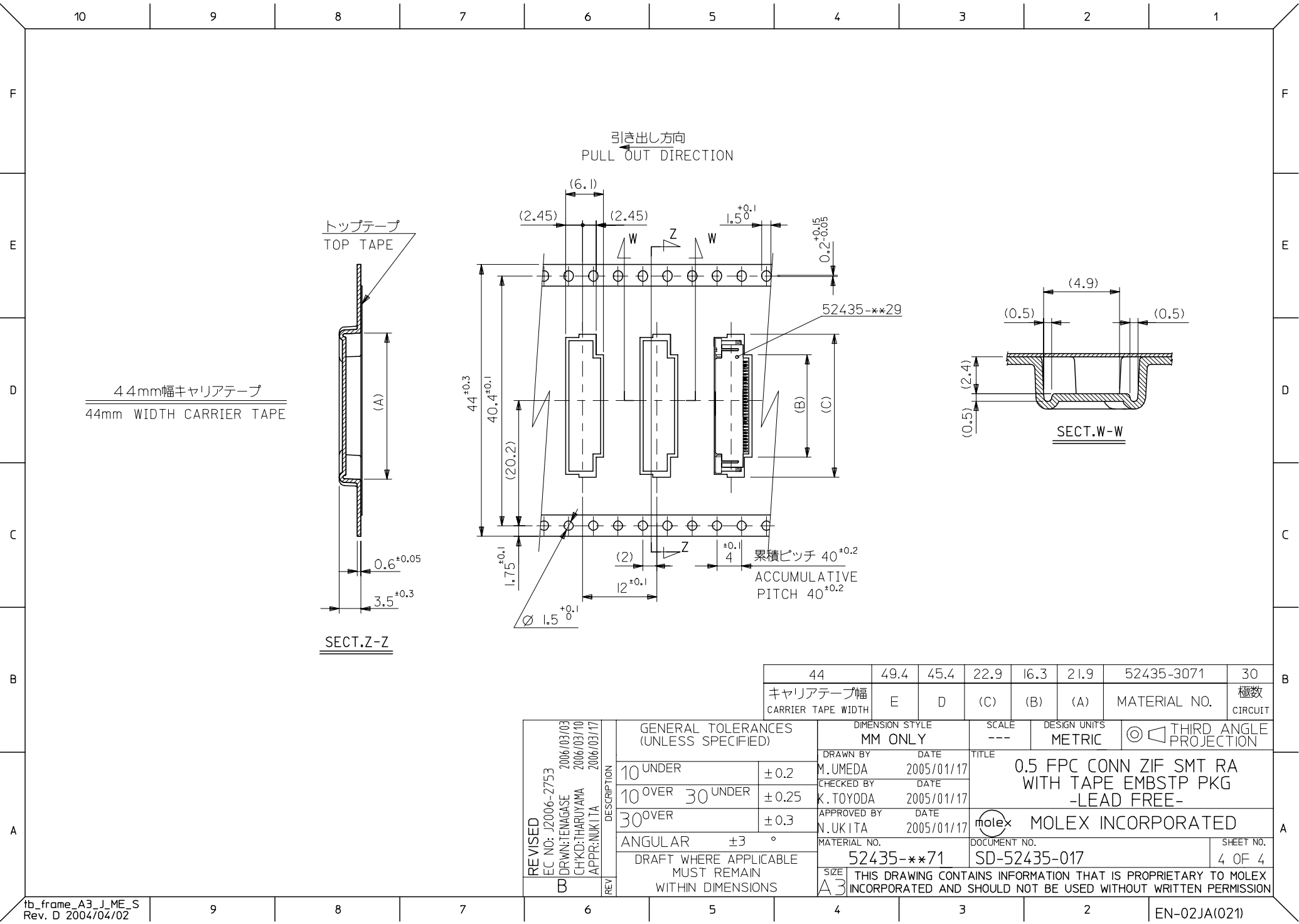
引き出し方向
PULL OUT DIRECTION

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 2006/03/03 CHKD: THARYAMA 2006/03/10 APPR: NUKITA 2006/03/17	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					



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 2006/03/03 CHKD: HARUYAMA 2006/03/10 APPR: NUKITA 2006/03/17 B	DESCRIPTION REV	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. 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								