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Part Number: [0524352871](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 28 Circuits, Gold (Au)
Contact Plating

General

Product Family FFC/FPC Connectors
Series [52435](#)
Overview ffc_fpc_smt
Product Name N/A

Physical

Circuits (Loaded) 28
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-52435-042, 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



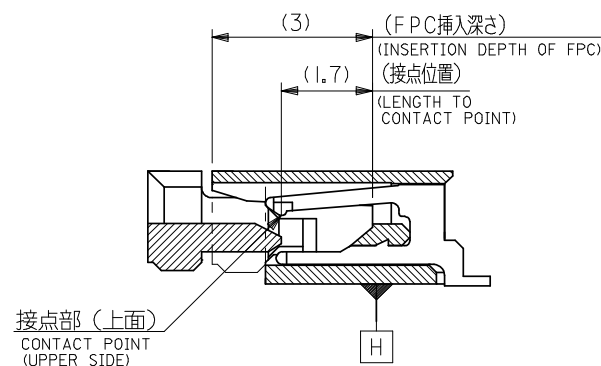
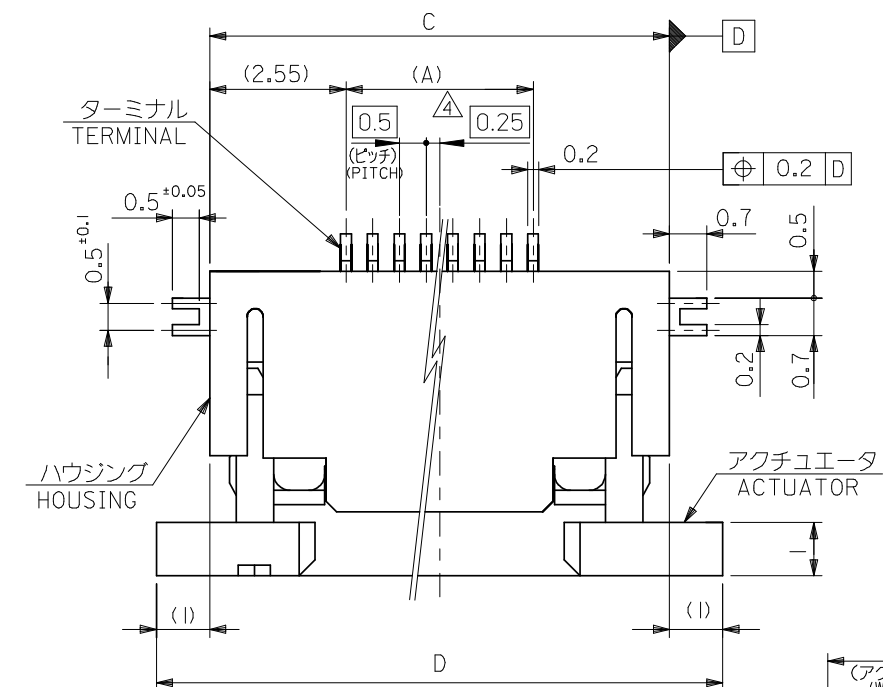
**Need more information on product
environmental compliance?**

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

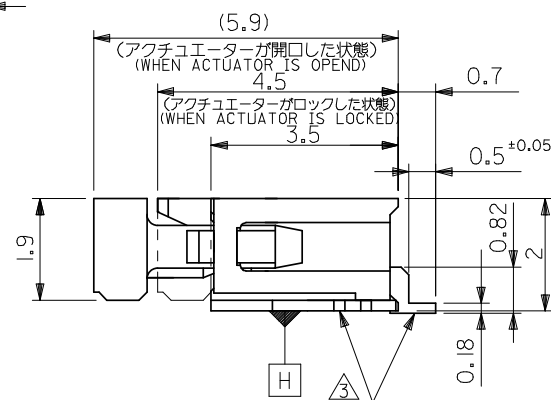
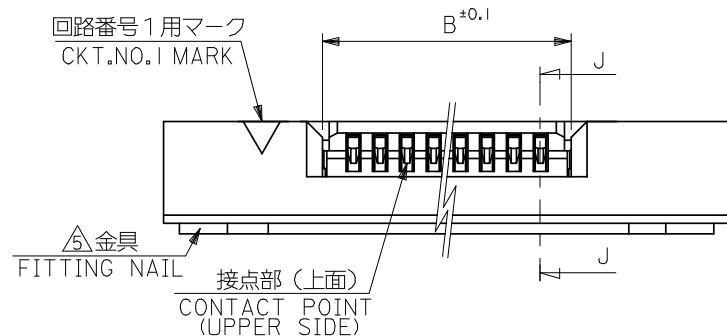
Please visit the [Contact Us](#) section for any
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Search Parts in this Series

[52435Series](#)

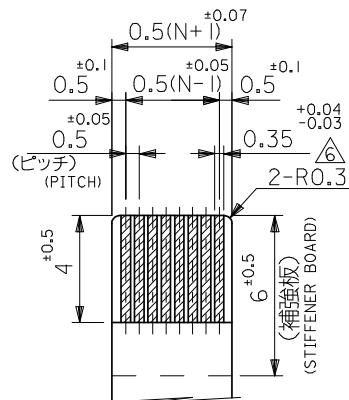


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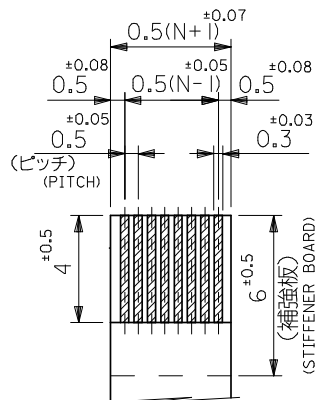


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	21.1	19.1	15.15	14.0	52435-2971	52435-2929	29
5	20.6	18.6	14.65	13.5	52435-2871	52435-2829	28
	20.1	18.1	14.15	13.0	52435-2771	52435-2729	27
7	19.6	17.6	13.65	12.5	52435-2671	52435-2629	26
	19.1	17.1	13.15	12.0	52435-2571	52435-2529	25
	18.6	16.6	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		

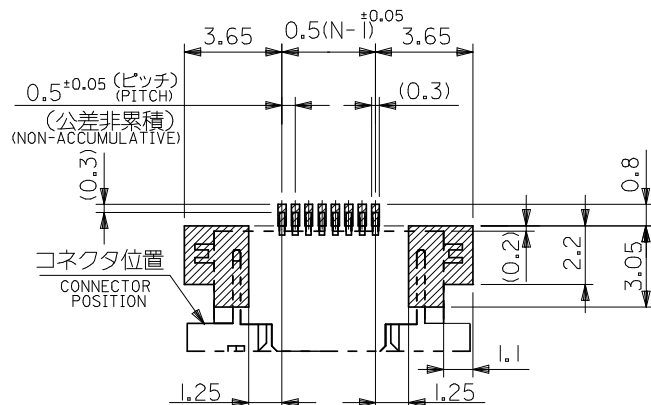
REVISED	EC NO: J2008-4048	DRWN:HWBEI 0808/06/13	CHKD:THARYAMA 0808/06/16	APPR:NUKITA 0808/06/16	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. 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、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。

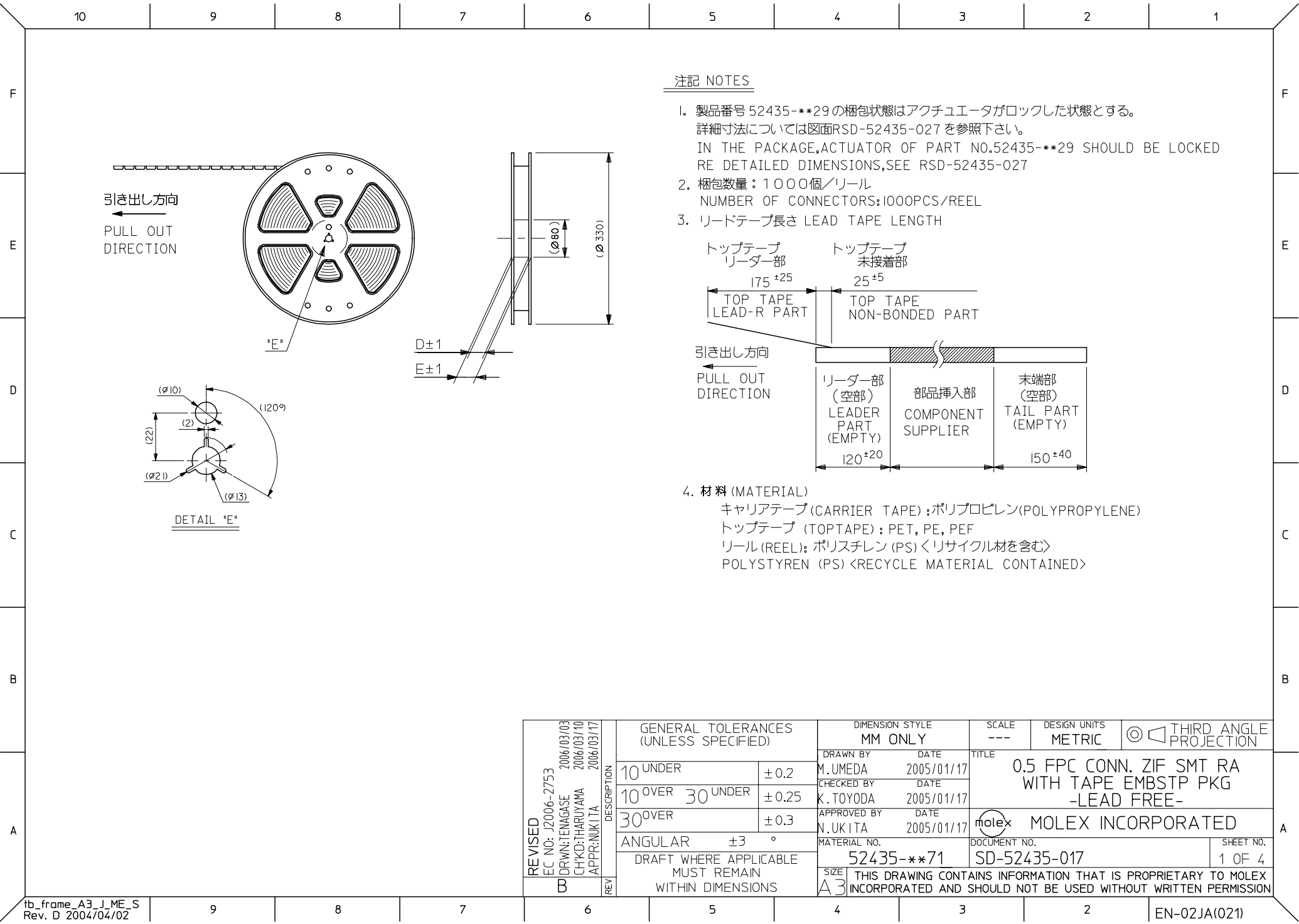
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [H]
UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△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.

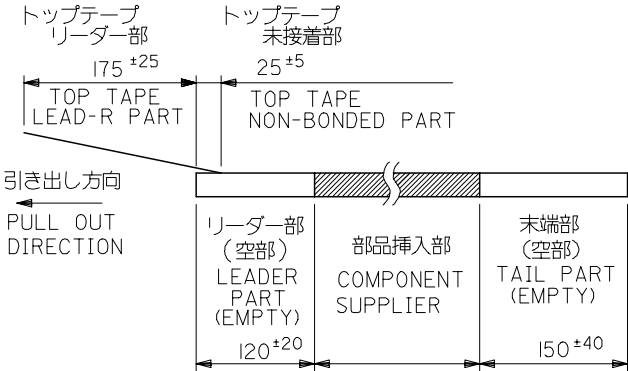
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

REVISED		EC NO: J2008-4048	2008/06/13	2008/06/16	2008/06/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	52435-**29	MODEL NO.
DRWN:MMABEI		CHKD:THARUYAMA	APPR:NUKITA	DESCRIPTION		10 UNDER ± 0.2		MM ONLY	10:1	DESIGN UNITS	THIRD ANGLE PROJECTION
10 OVER 30 UNDER ± 0.25		M. UEDA		DATE		2005/01/17		DRAWN BY	DATE	METRIC	
30 OVER ± 0.3		K. TOYODA		DATE		2005/01/17		CHECKED BY	DATE	TITLE	
ANGULAR ± 3 °		N. UKITA		DATE		2005/01/17		APPROVED BY	DATE	0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SEE SHEET 1		SD-52435-016		MOLEX INCORPORATED	
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.		2 OF 2					



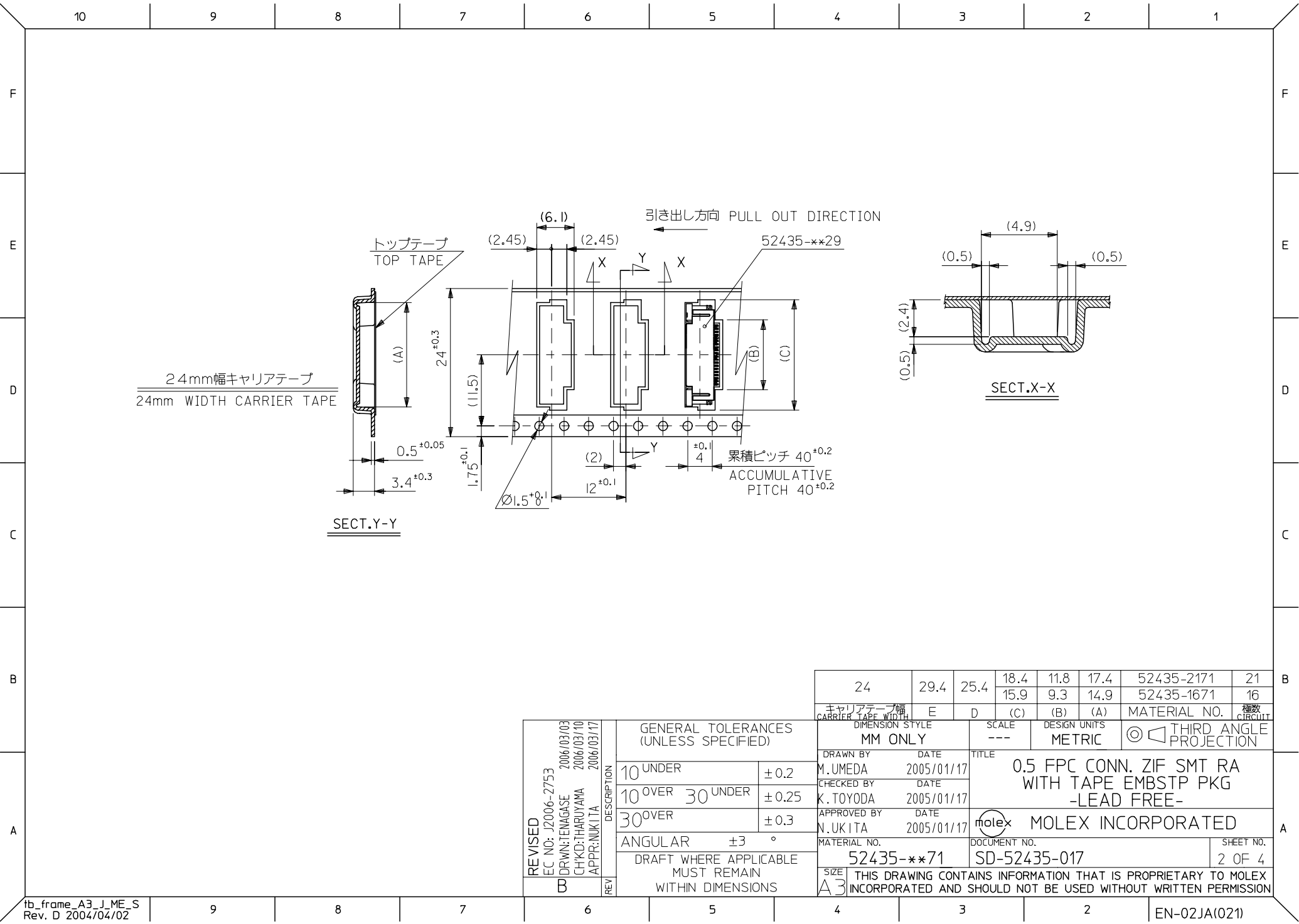
注記 NOTES

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 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	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. UKITA	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

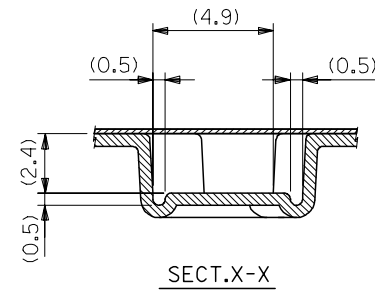
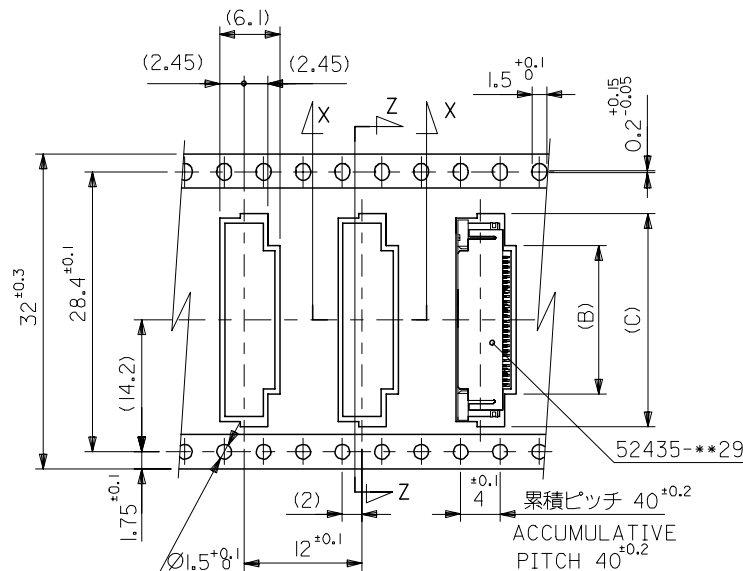
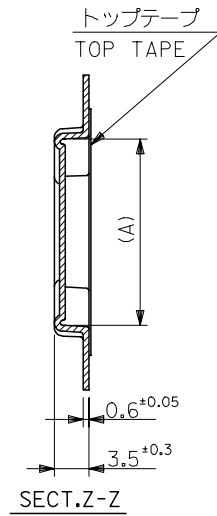
B

A

A

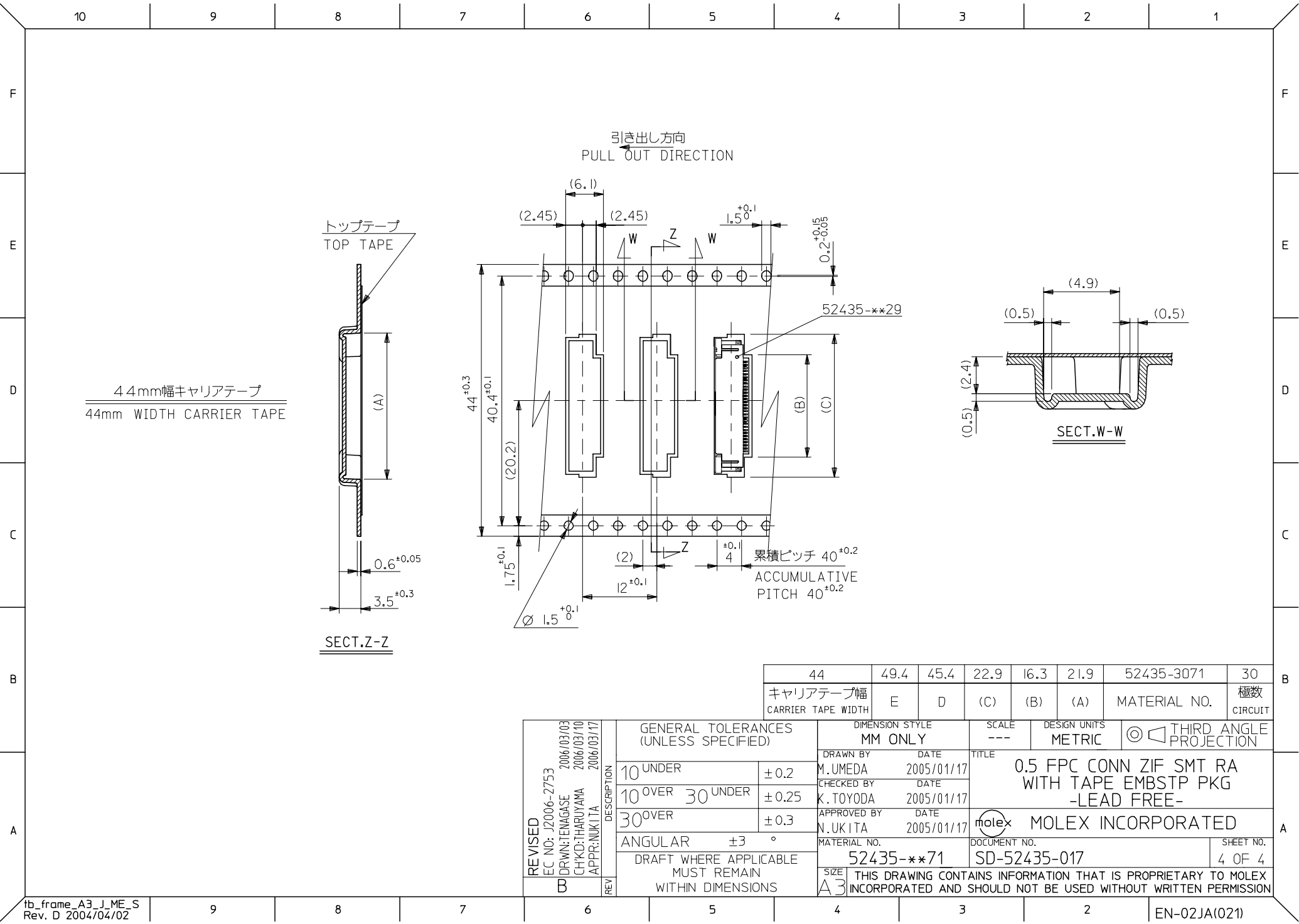
引き出し方向
PULL OUT DIRECTION

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						



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: THARUYAMA 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								