

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0524352271

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 22 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)

22

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

Packaging Specification

SPK-52435-001

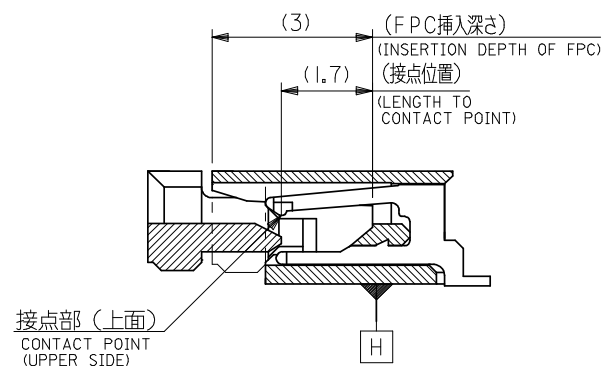
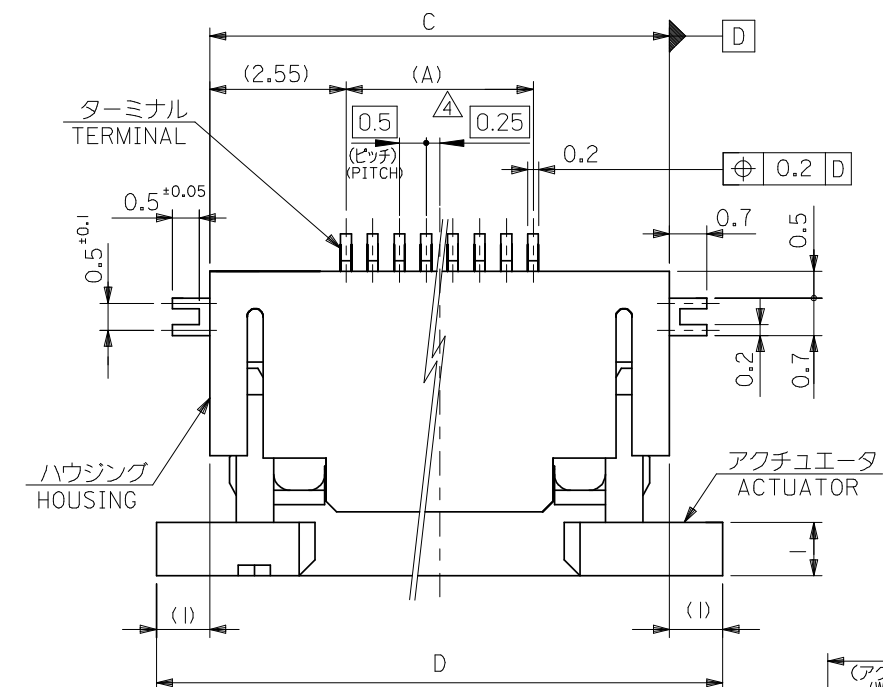
Product Specification

PS-52435-025, RPS-52435-028, RPS-52435-036,
RPS-52435-039, RPS-52435-040, RPS-52435-042,
RPS-52435-043, RPS-52435-045, RPS-52435-046,
RPS-52435-048

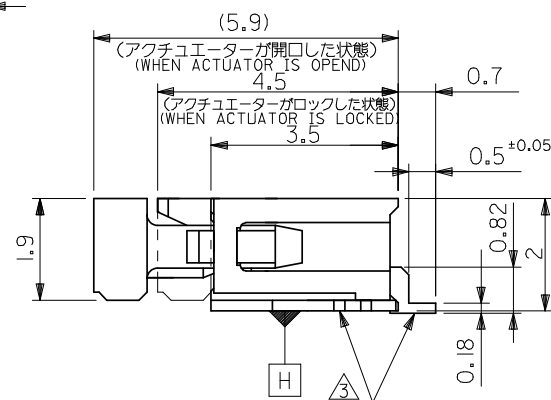
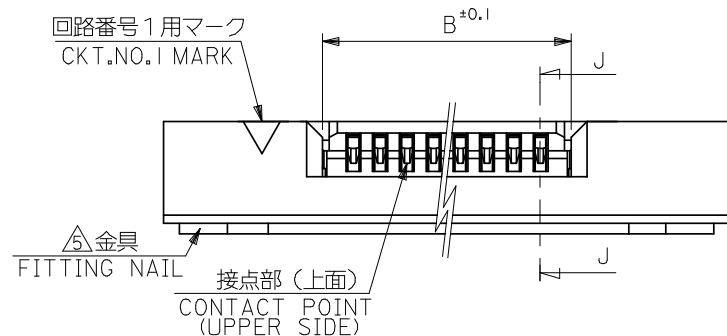
Sales Drawing

SD-52435-016, SD-52435-017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

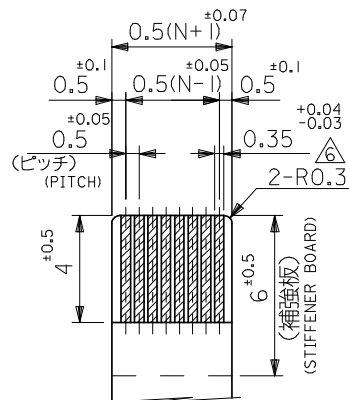


SECT.J-J

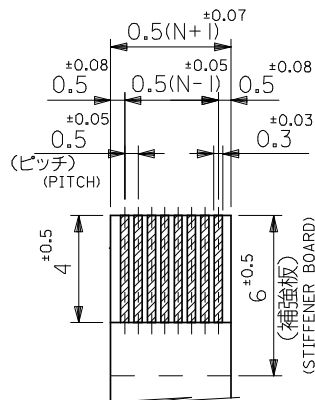


	21.6	19.6	15.65	14.5	52435-3071	52435-3029	30
	21.1	19.1	15.15	14.0	52435-2971	52435-2929	29
5	20.6	18.6	14.65	13.5	52435-2871	52435-2829	28
	20.1	18.1	14.15	13.0	52435-2771	52435-2729	27
7	19.6	17.6	13.65	12.5	52435-2671	52435-2629	26
	19.1	17.1	13.15	12.0	52435-2571	52435-2529	25
	18.6	16.6	12.65	11.5	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		

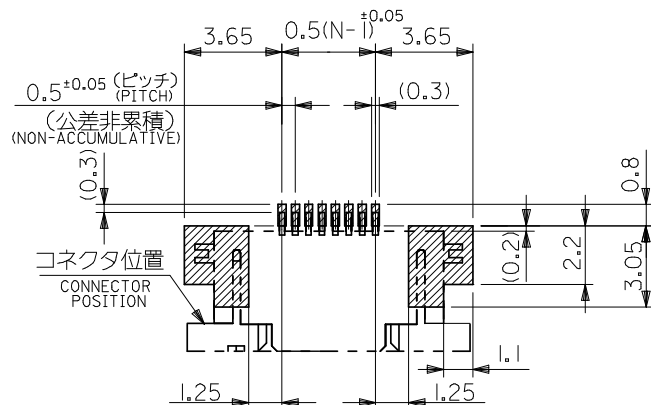
REVISED	EC NO: J2008-4048 DRWN:MMBEI CHKD:THARYAMA APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
					MM ONLY		10:1	METRIC			
			10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -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				
REV	C	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			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 $\pm$ 0.05)
(THICKNESS: 0.3 $\pm$ 0.05)



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

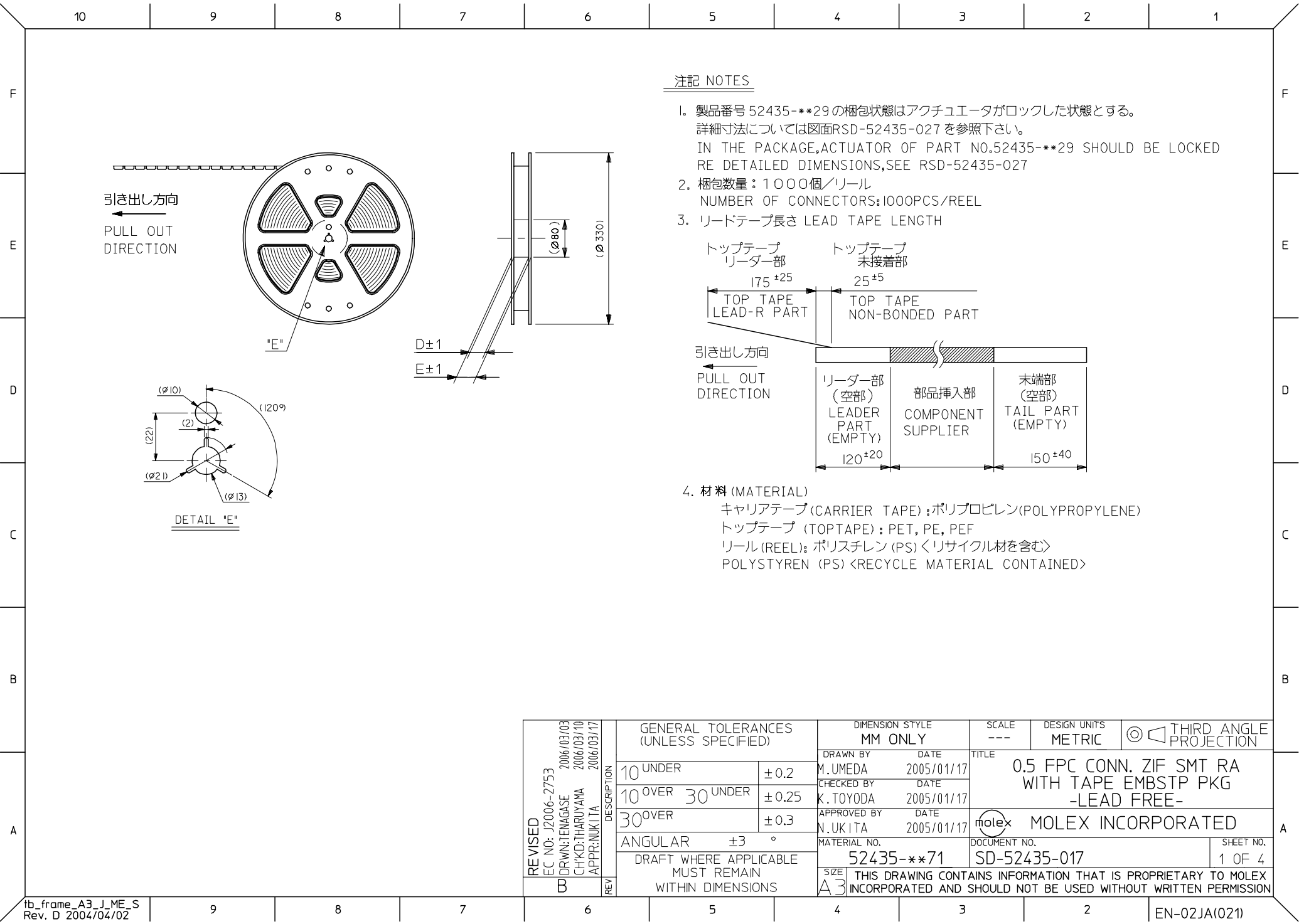
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM **H**
UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△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.

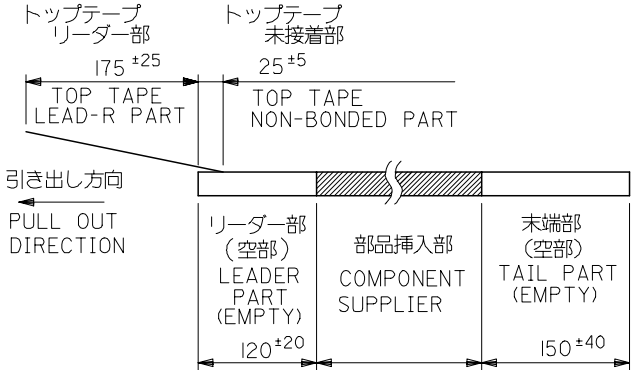
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

REVISED	EC NO: J2008-4048	DRWN:MMABEL 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.	DOCUMENT NO.	SHEET NO.				
REV					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	SEE SHEET 1 SD-52435-016 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									

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

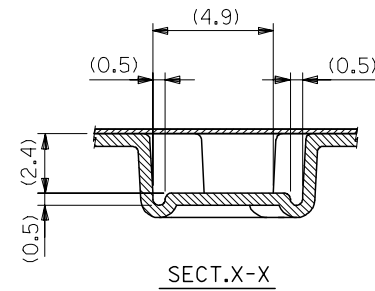
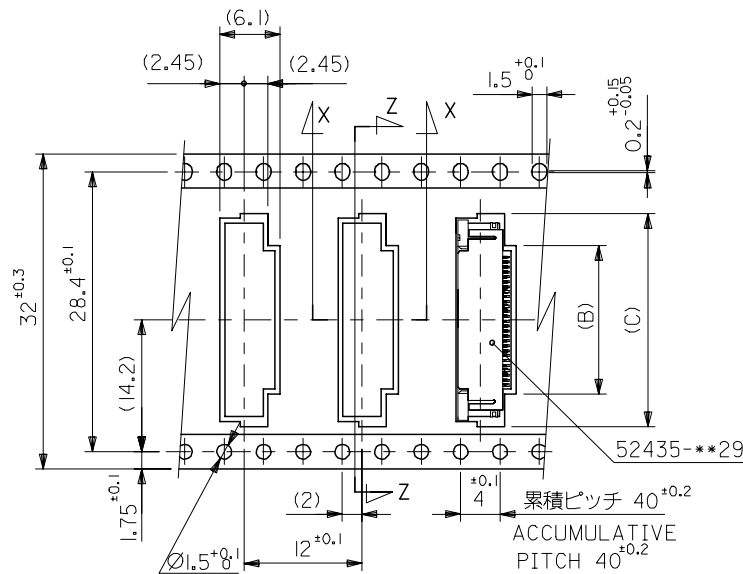
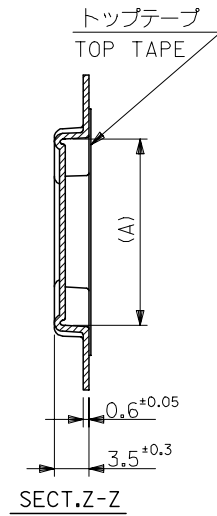
B

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
			18.9	12.3	17.9	52435-2271	22
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: 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									



F

1

F

1

D

□

C

C

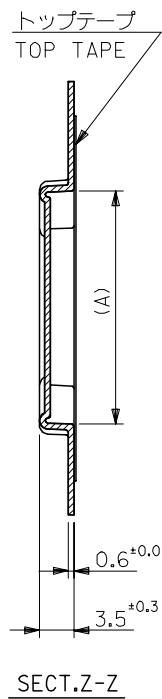
B

E

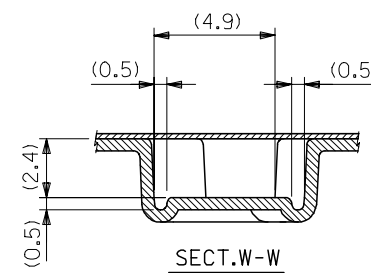
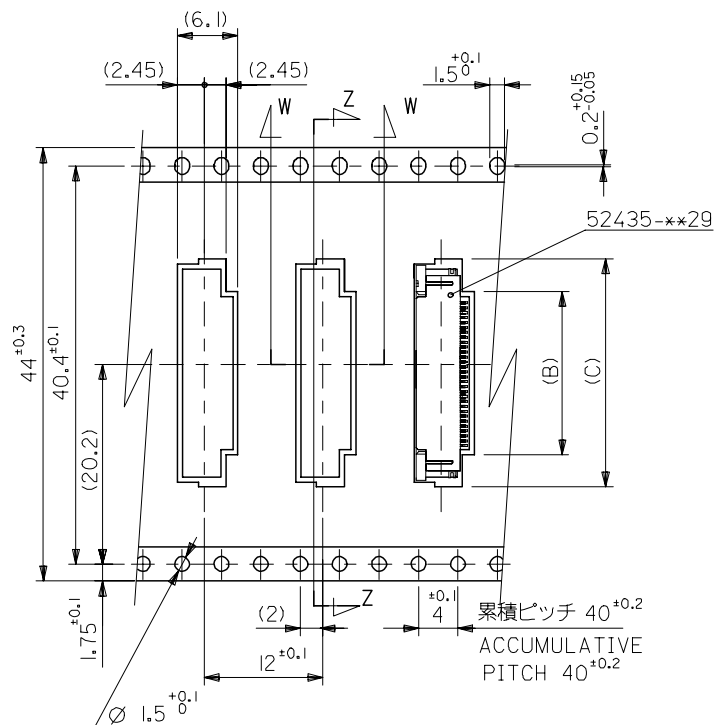
A

A

引き出し方向
PULL OUT DIRECTION



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE



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 DRAWN: TENAGASE CHKD: THIRUYAMA 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. UKITA	DATE 2005/01/17	MOLEX 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							