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Part Number:

0524352271

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 22 Circuits, Gold (Au)
Contact Plating

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

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

China RoHS



Not Reviewed

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

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F

E

D

C

B

A

F

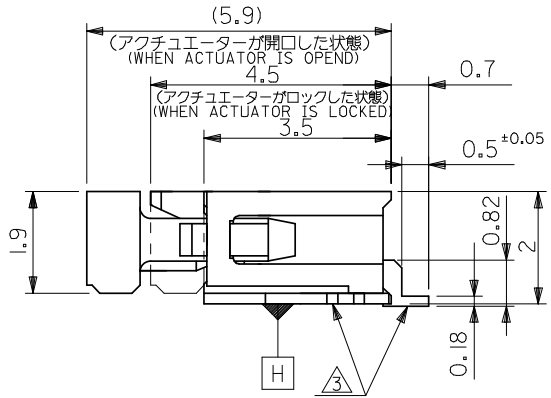
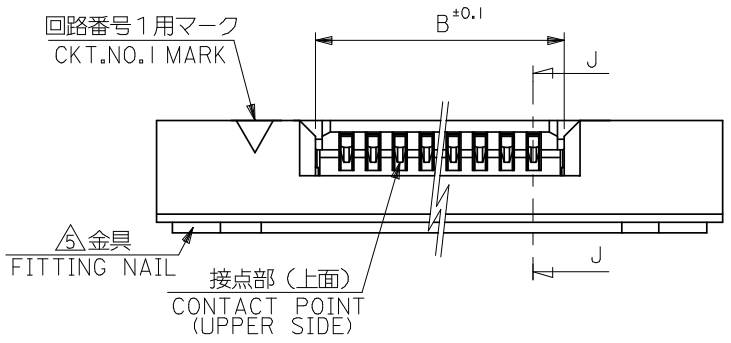
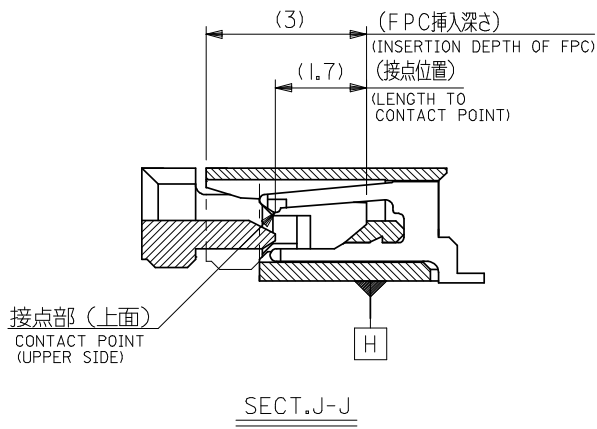
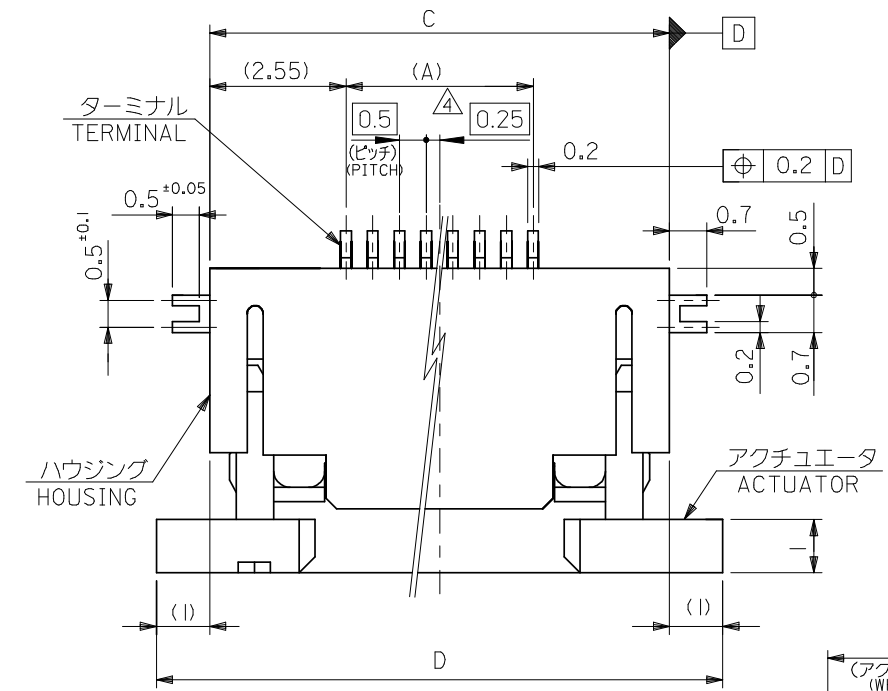
E

D

C

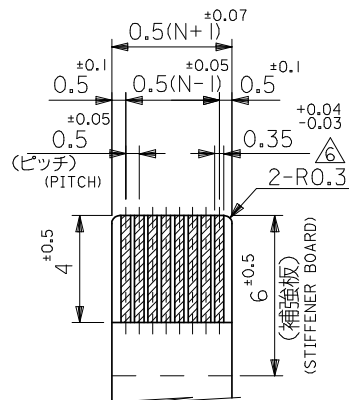
B

A

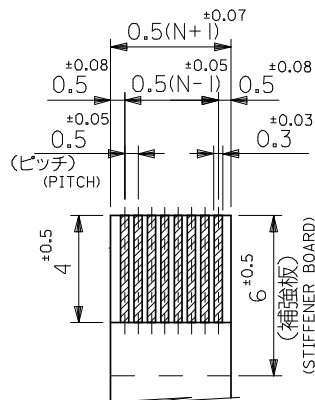


21.6	19.6	15.65	14.5	52435-3071	52435-3029	30
21.1	19.1	15.15	14.0	52435-2971	52435-2929	29
20.6	18.6	14.65	13.5	52435-2871	52435-2829	28
20.1	18.1	14.15	13.0	52435-2771	52435-2729	27
19.6	17.6	13.65	12.5	52435-2671	52435-2629	26
19.1	17.1	13.15	12.0	52435-2571	52435-2529	25
18.6	16.6	12.65	11.5	52435-2471	52435-2429	24
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)	EMBOSSSED TAPE ORDER No. オーダー番号	MATERIAL NO.	極数 CKT.

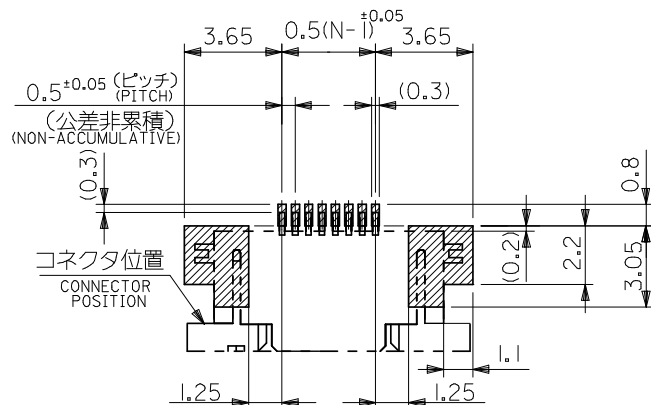
REVISED EC NO: J2008-4048 DRWN:MNABEI CHKD:THARUYAMA APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	52435-**29	MODEL NO.
		10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/01/17	TITLE 0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED 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 TABLE					
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							



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, 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. エンボステープ梱包時は、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、相互のパラツキ量は 0.1 MAX. とする。

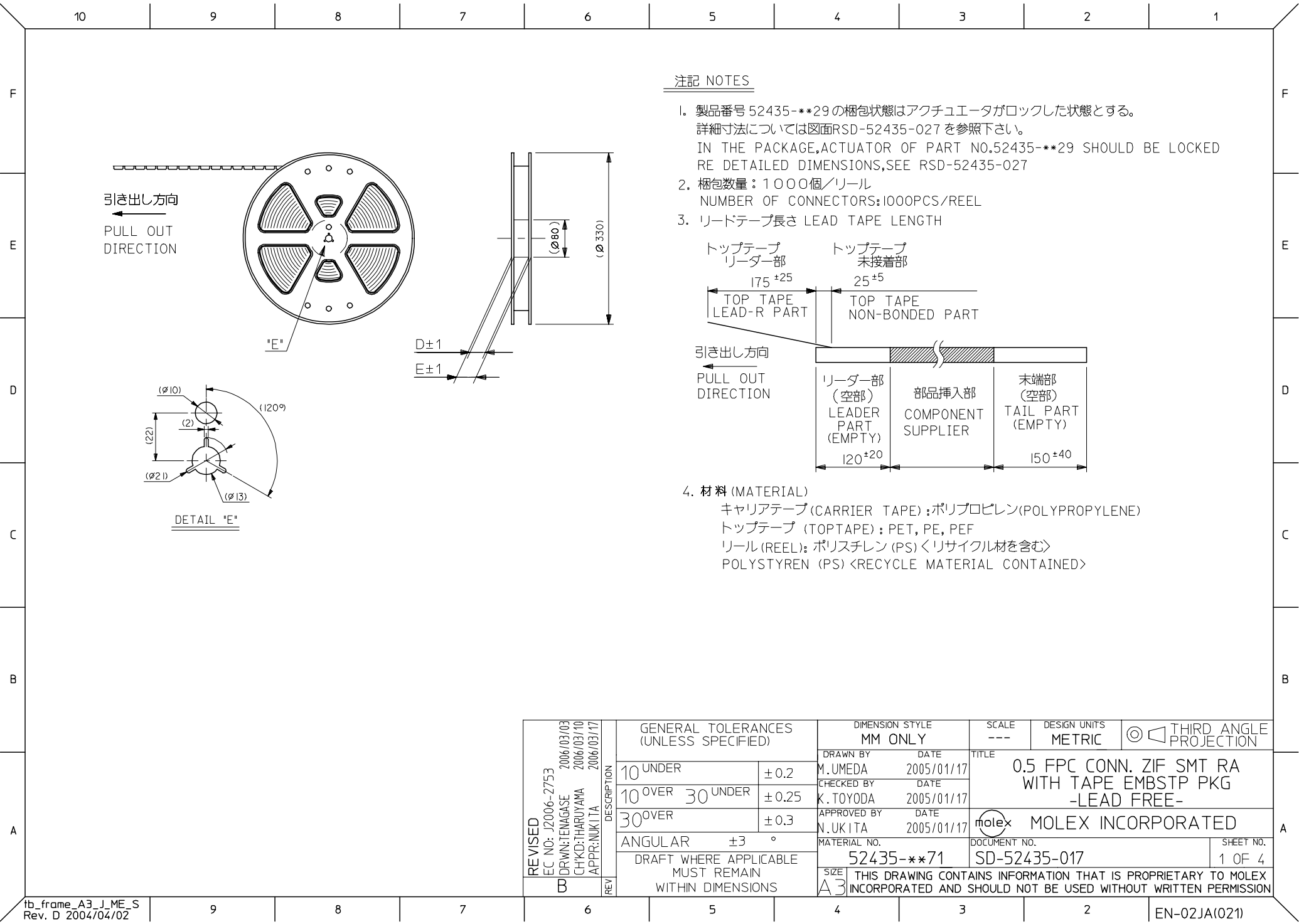
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM **H**
UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER: 0.1 MAX

△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.

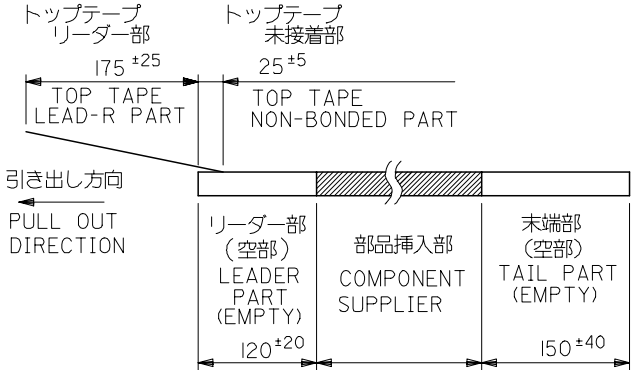
△6 R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN
OF FPC.

REVISED		EC NO: J2008-4048		2008/06/13		2008/06/16		2008/06/16		DRWN:MMABEL		CHKD:THARUYAMA		APPR:NUKITA		DESCRIPTION		REV	
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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
DIMENSION STYLE		MM ONLY		DRAWN BY		DATE		M. UEDA		2005/01/17		CHECKED BY		DATE		K. TOYODA		2005/01/17	
APPROVED BY		DATE		N. UKITA		2005/01/17		MATERIAL NO.		SEE SHEET 1		DOCUMENT NO.		SD-52435-016		SHEET NO.		2 OF 2	
SCALE		10:1		DESIGN UNITS		METRIC		THIRD ANGLE PROJECTION		TITLE		0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-		MOLEX INCORPORATED		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		EN-02JA(021)	



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									

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

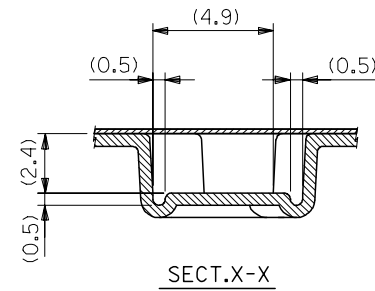
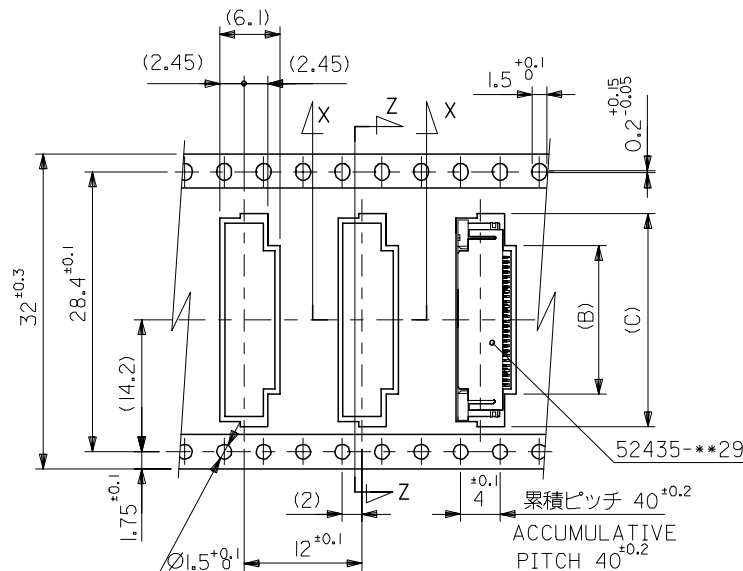
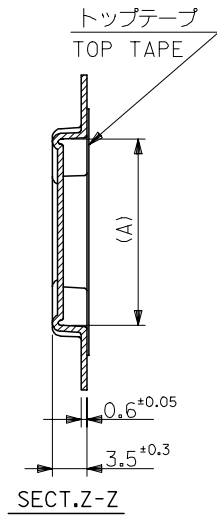
B

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						

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