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Part Number: 0524352671
Status: Active
Overview:
Description: 0.50mm (.020") Pitch SMT Right-Angle FFC/FPC Connector, 26 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)	26
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

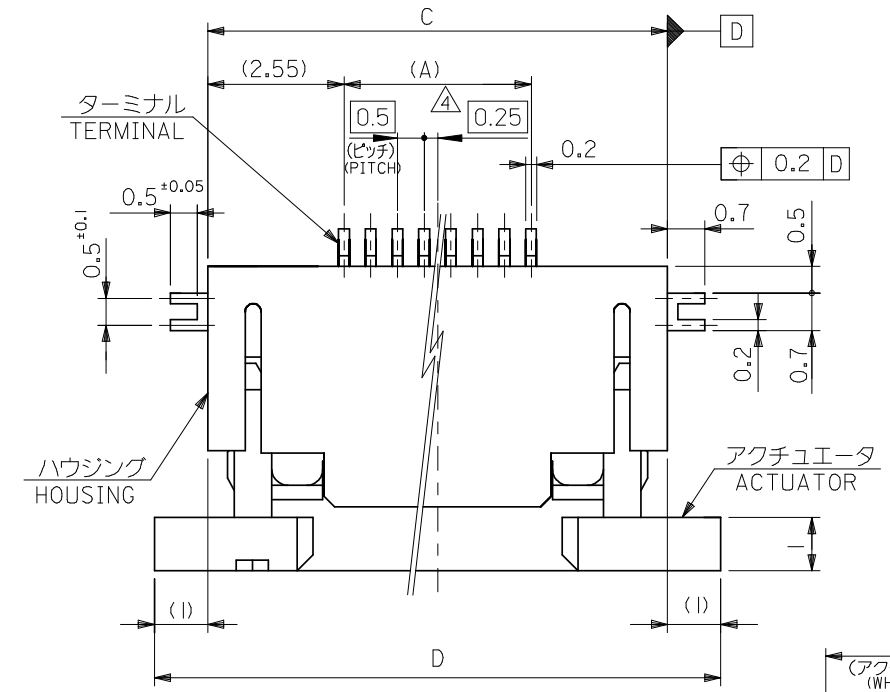
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

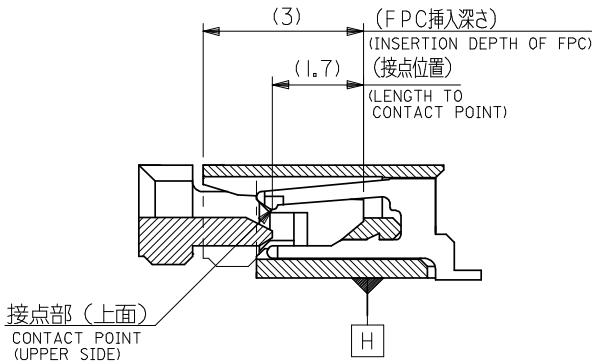
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Search Parts in this Series
52435Series

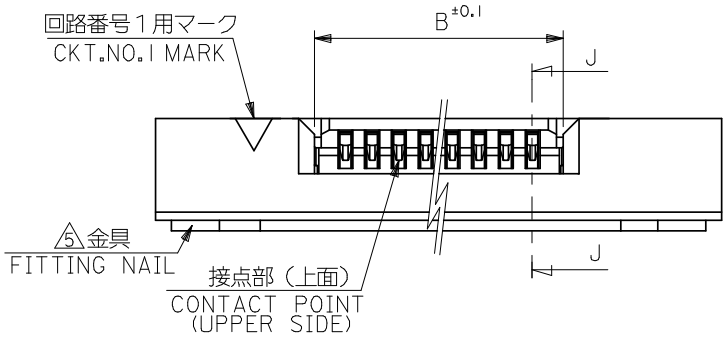
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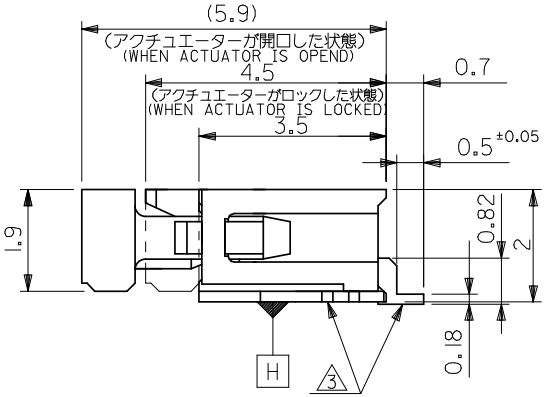
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SECT.J-J





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
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)	EMBOSSED TAPE ORDER No. オーダー番号	MATERIAL NO.	極数 CKT.

52435-**29 | MODEL NO.

REVISED
EC NO: J2008-4048 2008/06/13
DRWN:MNABEI 2008/06/16
CH'KD:THARUYAMA 2008/06/16
APPR:NUKITA 2008/06/16
DESCRIPTION
REV C

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

DIMENSION STYLE: MM ONLY | SCALE: 10:1 | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION

DRAWN BY: M.UMEDA DATE: 2005/01/17
CHECKED BY: K.TOYODA DATE: 2005/01/17
APPROVED BY: N.UKITA DATE: 2005/01/17
MATERIAL NO.: SEE TABLE

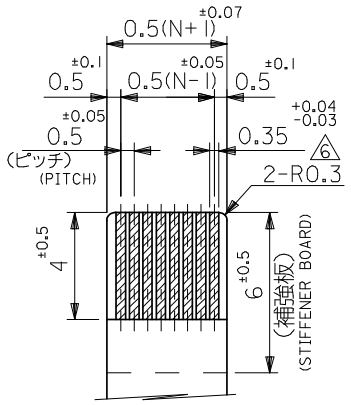
TITLE: 0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-

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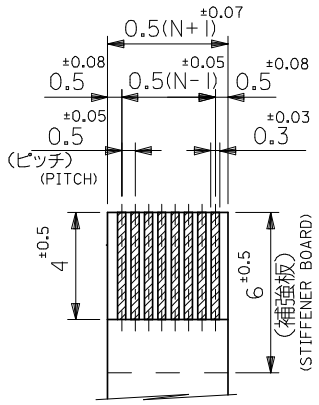
DOCUMENT NO.: SD-52435-016
SHEET NO.: 1 OF 2

SIZE A3

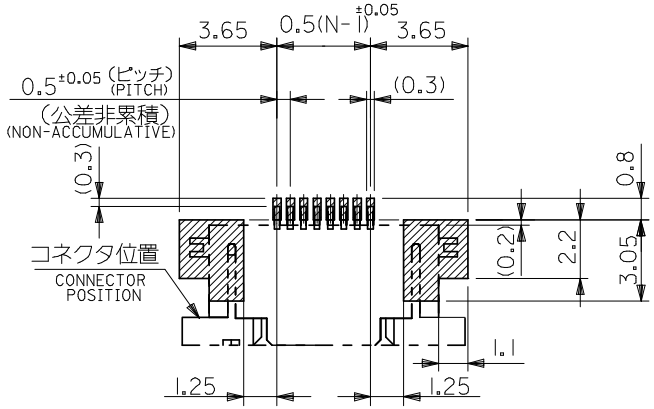
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適合ＦＰＣ推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.
（仕上がり厚さ：$0.3^{\pm0.05}$）
（THICKNESS:$0.3^{\pm0.05}$）



適合ＦＦＣ推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION.
（仕上がり厚さ：$0.3^{\pm0.05}$）
（THICKNESS:$0.3^{\pm0.05}$）



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.

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　0.1 MAX.　，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. 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	C	
DRWN:MNABEI	2008/06/16		
CH'KD:THARUYAMA	2008/06/16		
APPR:NUKITA			

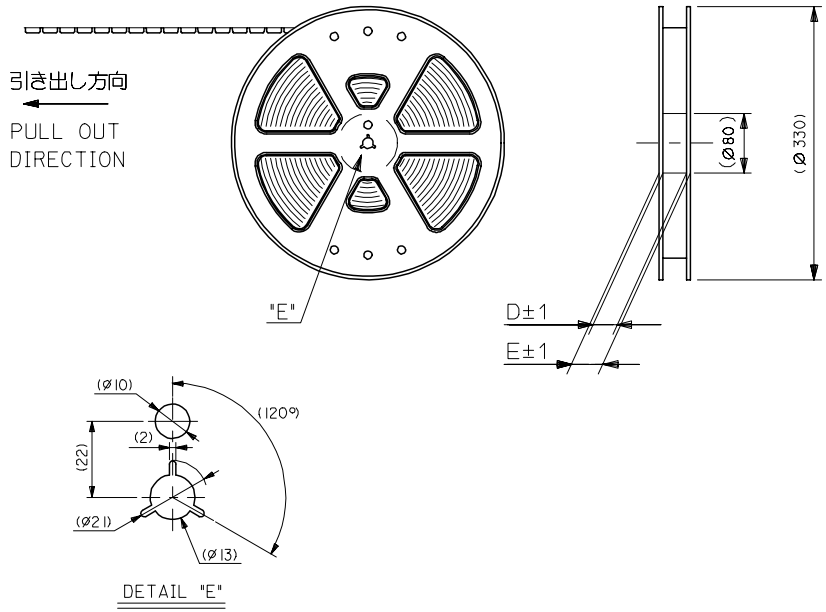
DESCRIPTION / REV

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

DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: M.UMEDA　DATE: 2005/01/17	TITLE: 0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT) -LAED FREE-		
CHECKED BY: K TOYODA　DATE: 2005/01/17			
APPROVED BY: N.UKITA　DATE: 2005/01/17	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE SHEET 1	DOCUMENT NO.: SD-52435-016	SHEET NO.: 2 OF 2	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

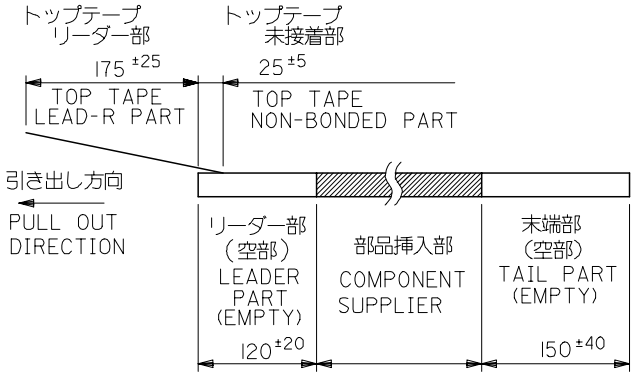
52435-**29　MODEL NO.



DETAIL "E"

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				REV	DESCRIPTION
EC NO: J2006-2753	DRWN:TENAGASE	2006/03/03			
	CHKD:THARUYAMA	2006/03/10			
	APPR:NUKITA	2006/03/17			
B					

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

DIMENSION STYLE	SCALE	DESIGN UNITS	
MM ONLY	---	METRIC	THIRD ANGLE PROJECTION

DRAWN BY	DATE
M.UMEDA	2005/01/17
CHECKED BY	DATE
K.TOYODA	2005/01/17
APPROVED BY	DATE
N.UKITA	2005/01/17

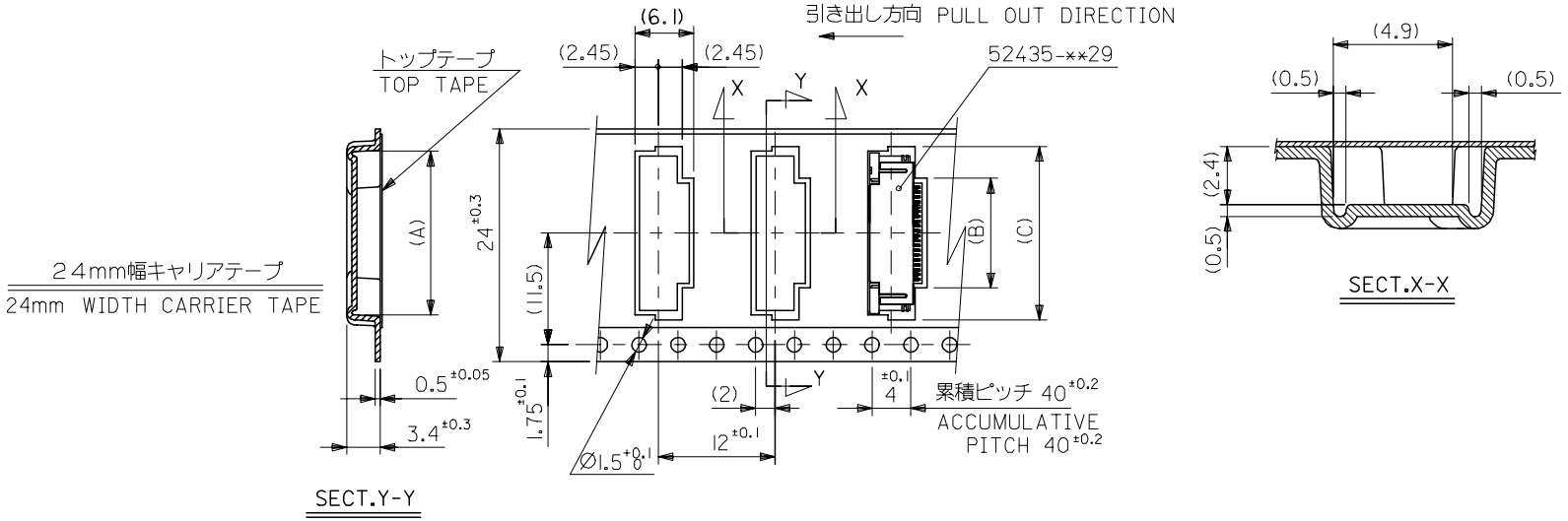
TITLE: 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-

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MATERIAL NO.	DOCUMENT NO.	SHEET NO.
52435-**71	SD-52435-017	1 OF 4

SIZE A3

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24	29.4	25.4	18.4	11.8	17.4	52435-2171	21
			15.9	9.3	14.9	52435-1671	16
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 2006/03/03
DRWN:TENAGASE 2006/03/10
CHKD:THARUYAMA 2006/03/17
APPR:NUKITA
DESCRIPTION
REV B

GENERAL TOLERANCES (UNLESS SPECIFIED)

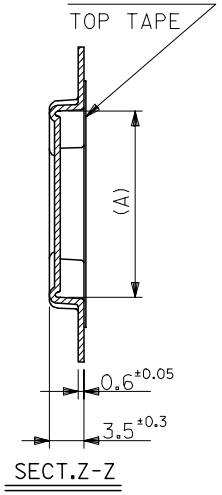
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

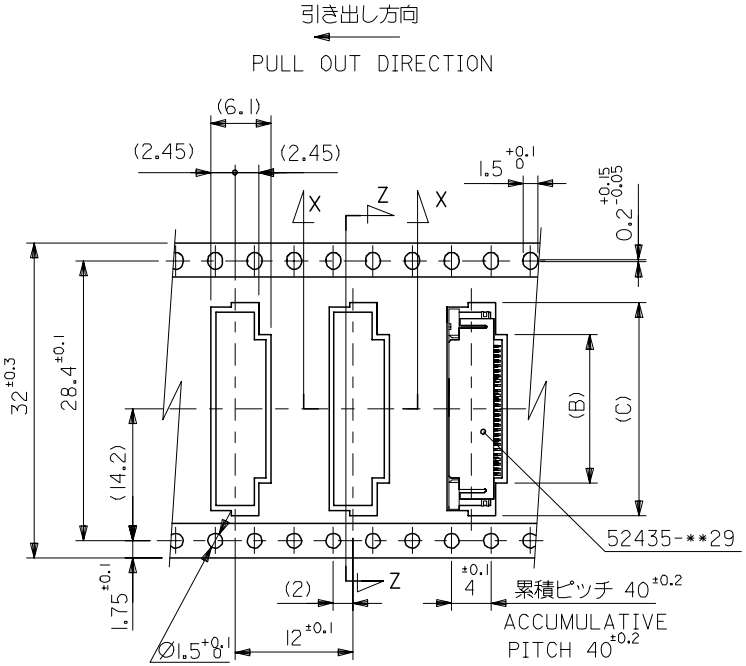
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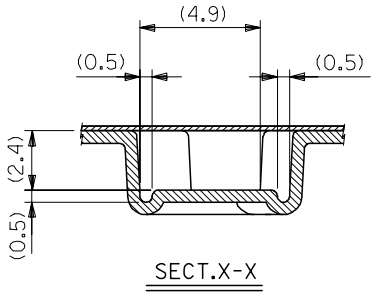
DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	M.UMEDA 2005/01/17
CHECKED BY / DATE	K.TOYODA 2005/01/17
APPROVED BY / DATE	N.UKITA 2005/01/17
MATERIAL NO.	52435-**71
TITLE	0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-52435-017
SHEET NO.	2 OF 4
SIZE	A3

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32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE







キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT
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

REVISED
EC NO: J2006-2753 2006/03/03
DRWN:TENAGASE 2006/03/10
CHKD:THARIYAMA 2006/03/17
APPR:NUKITA
DESCRIPTION
REV B

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

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: M.UMEDA DATE: 2005/01/17
CHECKED BY: K.TOYODA DATE: 2005/01/17
APPROVED BY: N.UKITA DATE: 2005/01/17

TITLE: 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-

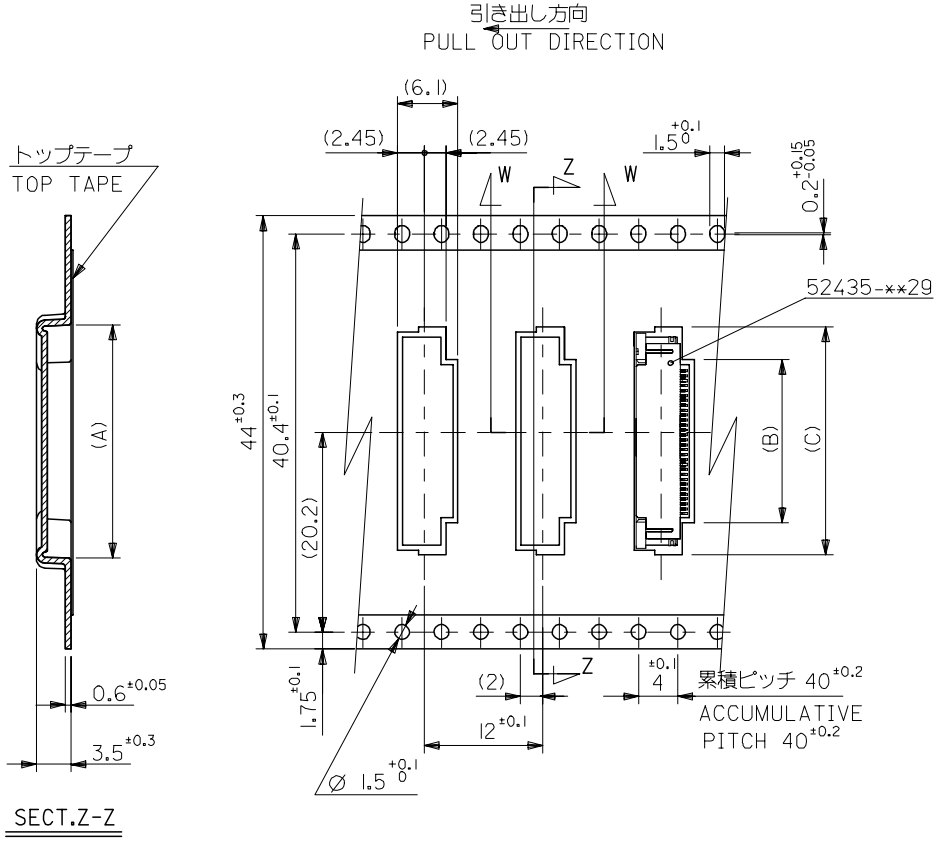
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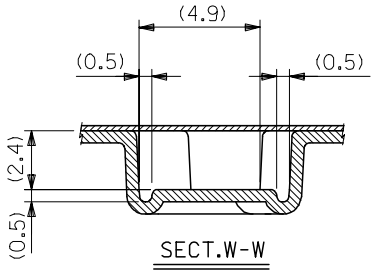
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DOCUMENT NO.: SD-52435-017
SHEET NO.: 3 OF 4

SIZE A3

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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 2006/03/03
DRWN:TENAGASE 2006/03/10
CHKD:THARUYAMA 2006/03/17
APPR:NUKITA
DESCRIPTION
REV
B

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

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: M.UMEDA DATE: 2005/01/17
CHECKED BY: K.TOYODA DATE: 2005/01/17
APPROVED BY: N.UKITA DATE: 2005/01/17

TITLE: 0.5 FPC CONN ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-

molex MOLEX INCORPORATED

MATERIAL NO.: 52435-**71
DOCUMENT NO.: SD-52435-017
SHEET NO.: 4 OF 4

SIZE A3

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