

产品编号 : 524352471

系列号 : 52435

Product Category : FFC / FPC Connectors

**Product Description** : Easy-On FFC/FPC Connector, 0.50mm Pitch, Slider Series, Right-Angle, Top Contact, 2.00mm Height, 24 Circuits, Gold Plating

状态 : Active

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## 文件和资源

### 图纸

图纸 524352471\_sd.pdf

### 3D 模型和设计文件

2D 图纸 DXF 524352471.dxf

2D 图纸 DXF PDF 524352471.pdf

3D模型 524352471\_stp.zip

### 规格


包装规格 SPK-52435-001-001.pdf

产品规格 PS-52435-025-001.pdf

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## 产物环境合规

### 合规

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### 多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen
  
- IPC 1752A Class C
- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

欧盟 RoHS 合格证书

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## 产品详情

### 常规

状态	活动
类别	FFC / FPC Connectors
系列	52435
说明	Easy-On FFC/FPC Connector, 0.50mm Pitch, Slider Series, Right-Angle, Top Contact, 2.00mm Height, 24 Circuits, Gold Plating
产品系列	Slider
产品系列	Easy-On FFC FPC Connectors
产品名称	Easy-On
UPC	822348126750

### 机构

UL	E29179
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### 电气

每触点最大电流	0.5A
电压 - 最大	50V

### 物理

驱动器类型	Slider
回路数 (已载入)	24
接触部位	顶部
耐用性 (插拔次数) - 最多次数	20
阻燃性	94V-0
插配长度	2.00mm
材料 - 金属	Phosphor Bronze
材料 - 接合部位电镀	金牌
材料 - 终端电镀	金牌

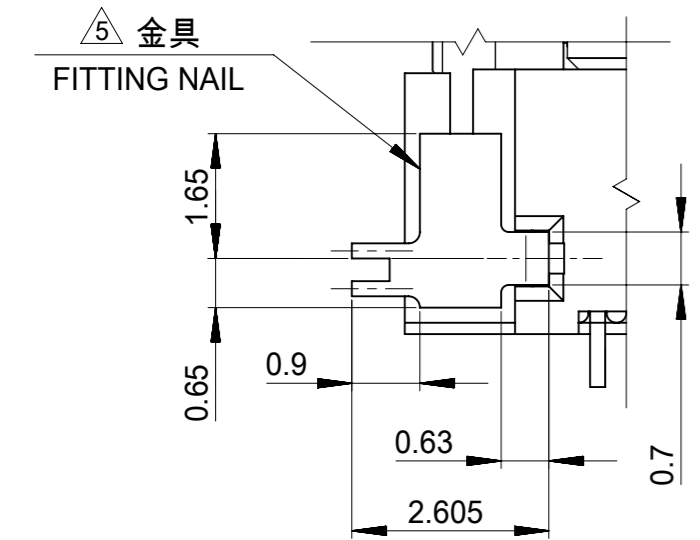
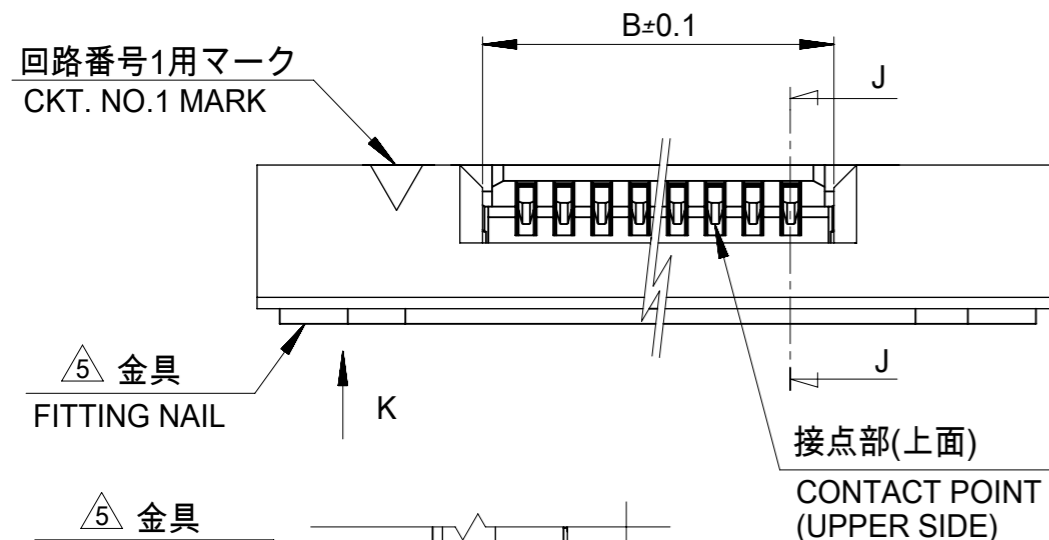
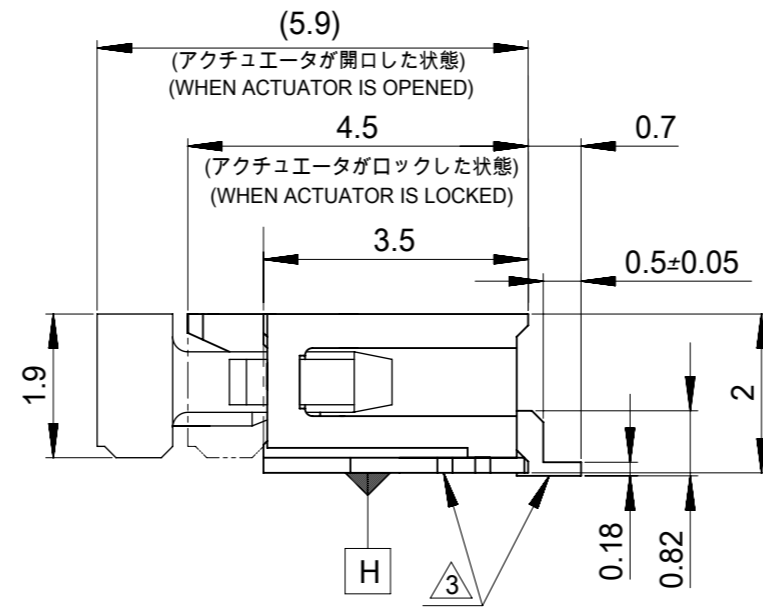
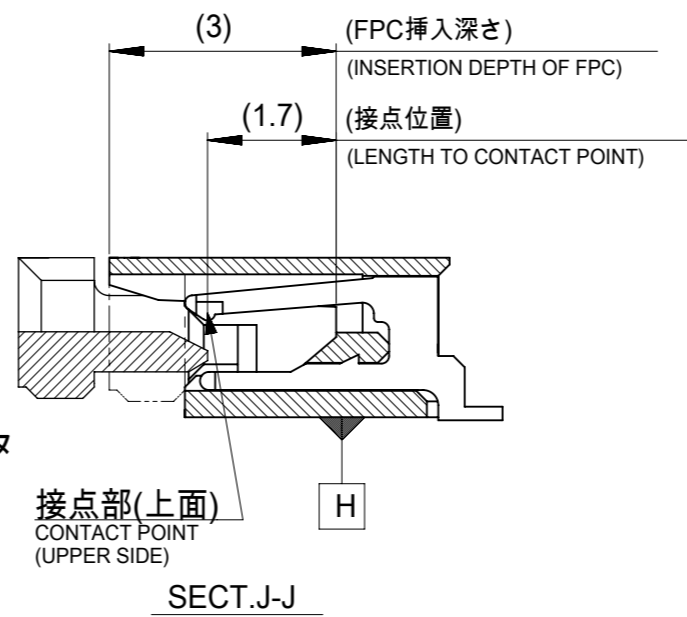
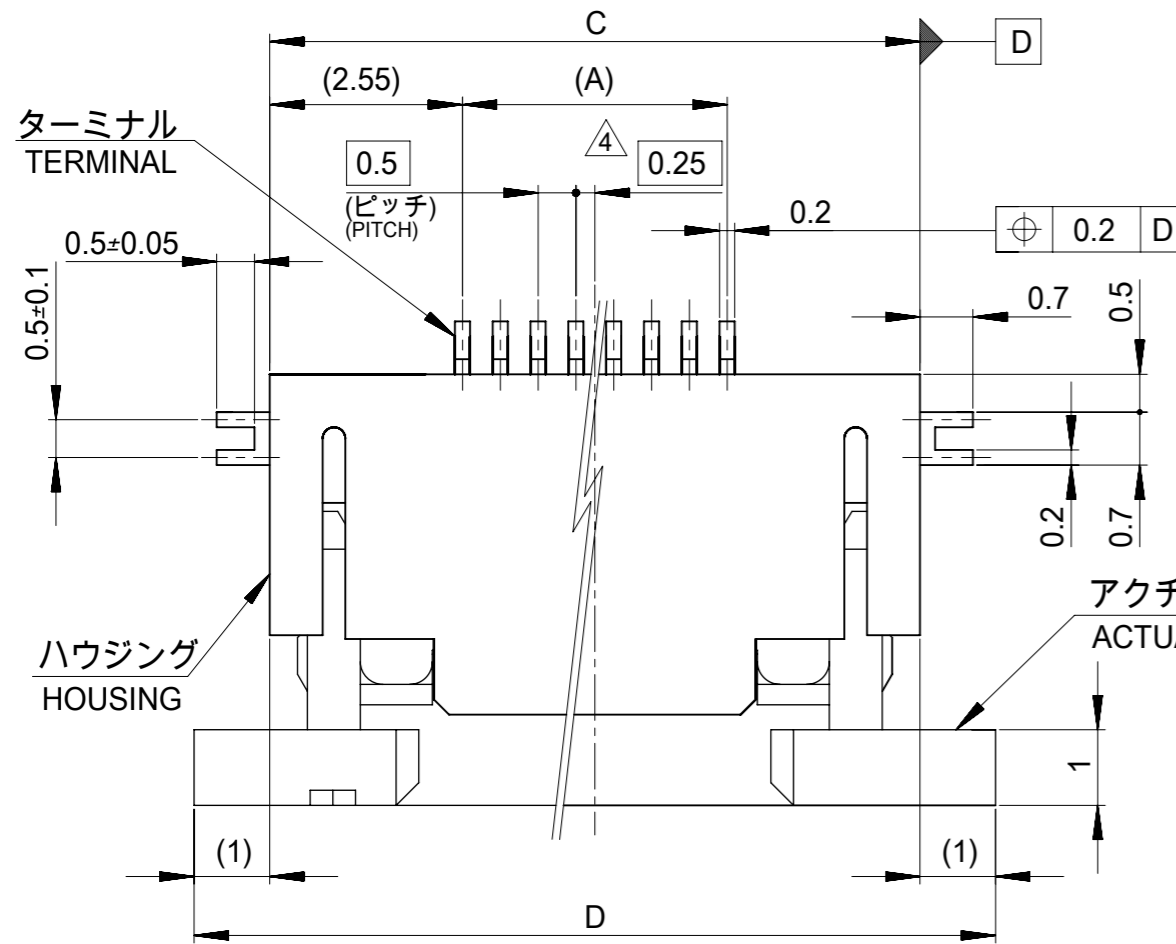
材料 - 树脂	Nylon
净重	322.724/mg
方向	Right Angle
包装形式	Embossed Tape on Reel
PCB 定位器	否
PCB安装	Surface Mount
PCB 保持力	是
间距 - 插配接口	0.50mm
PCB 极性	是
可堆叠的	否
运行温度范围	-40° to +85° C
导线/电缆型号	FFC/FPC

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## 可配插/可连接使用的产品

### 可配插部件

描述	产品编号
0.50mm Pitch Premo-Flex FFC Jumpers	<u>15020</u>
0.50mm Pitch Premo-Flex FFC Jumpers	<u>15120</u>



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-BRONZE GOLD-PLATED  
 金具 : リン青銅 錫メッキ(t=0.2)  
 FITTING NAIL PHOS-BRONZE 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-\*\*29 SHOULD BE LOCKED.
3. ソルダータール半田付け面のズレ量、および金具半田付け面のズレ量は、基準面 H に対し上方向 0.1MAXIMUM、下方向 0.15MAXIMUM とし、相互のばらつきは 0.1MAXIMUM とする。  
 MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM DATUM-H UPPER DIRECTION : 0.1MAXIMUM, LOWER DIRECTION : 0.15MAXIMUM OFFSET BETWEEN UPPER AND LOWER : 0.1MAXIMUM.
4. 偶数極に適用。  
 APPLY FOR EVEN CIRCUIT.
5. パターンはく離止め金具。  
 FITTING NAIL FOR PREVENTION OF PEELING OF P.W.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.
7. ELV および RoHS 適合品。  
 ELV AND RoHS COMPLIANT.

21.6	19.6	15.65	14.5	52435-3071	30
21.1	19.1	15.15	14.0	52435-2971	29
20.6	18.6	14.65	13.5	52435-2871	28
20.1	18.1	14.15	13.0	52435-2771	27
19.6	17.6	13.65	12.5	52435-2671	26
19.1	17.1	13.15	12.0	52435-2571	25
18.6	16.6	12.65	11.5	52435-2471	24
18.1	16.1	12.15	11.0	52435-2371	23
17.6	15.6	11.65	10.5	52435-2271	22
17.1	15.1	11.15	10.0	52435-2171	21
14.6	12.6	8.65	7.5	52435-1671	16
D	C	B	(A)	EMBOSSED PACKAGE	極数
ORDER No. オーダー番号					CKT.

CONNECTOR SERIES NO. : 52435-\*\*29

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	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm SCALE: 10:1

CURRENT REV DESC:

EC NO: 600082  
 DRWN: YCHEN128 2018/02/27  
 CHK'D: KTAKAHASHI 2018/03/14  
 APPR: NUKITA 2018/03/14

INITIAL REVISION:  
 DRWN: MUMEDA 2005/02/04  
 APPR: NUKITA 2005/02/17

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE SERIES: 52435

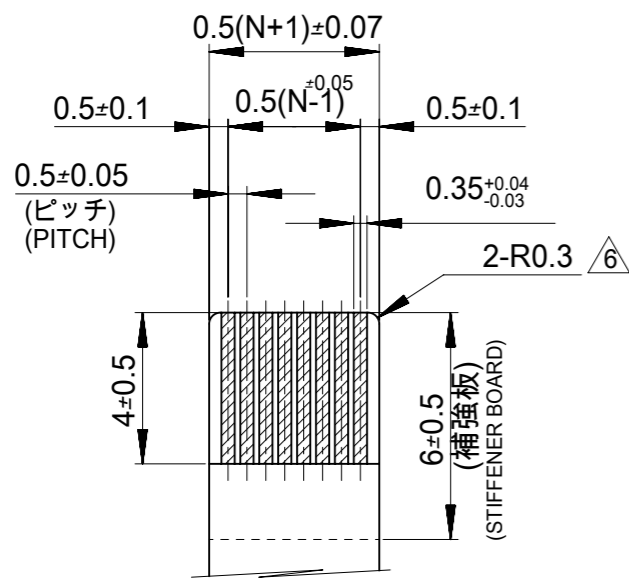
MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 2

DOCUMENT NUMBER: SD-52435-016 DOC TYPE: PSD DOC PART: 001 REVISION: E

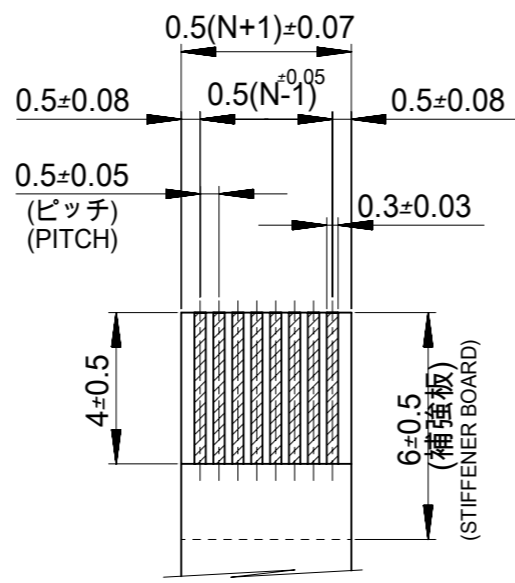
PRODUCT CUSTOMER DRAWING

**molex**

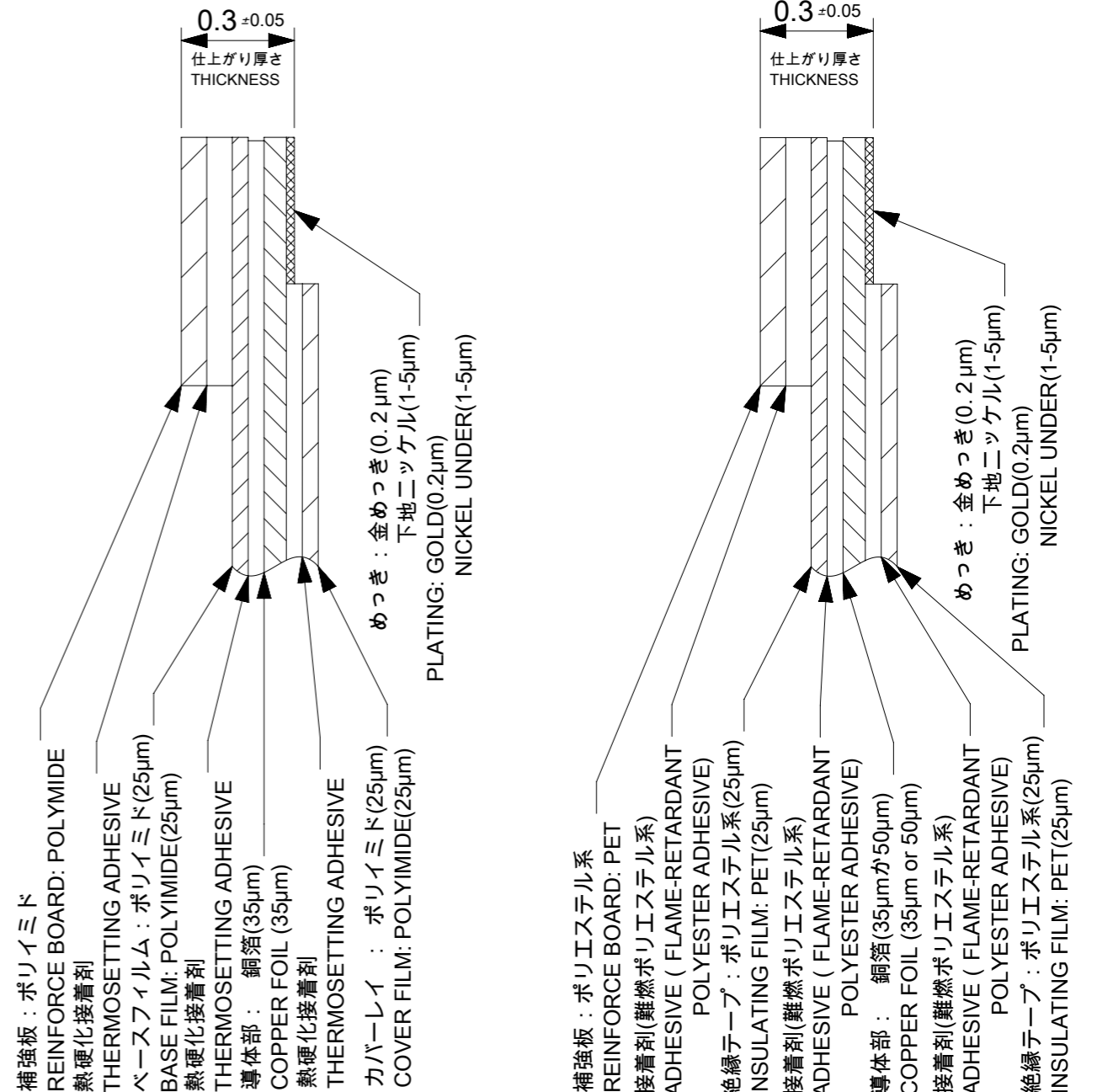
0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT)



**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)

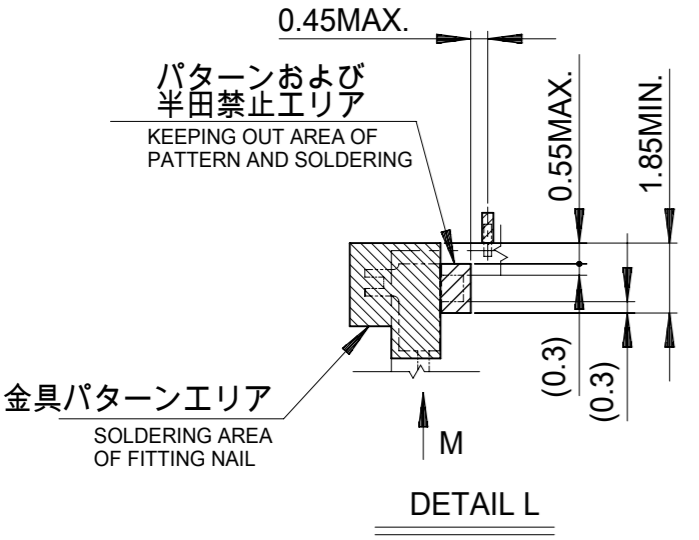


**FPC構成推奨仕様**  
 STRUCTURE OF FPC

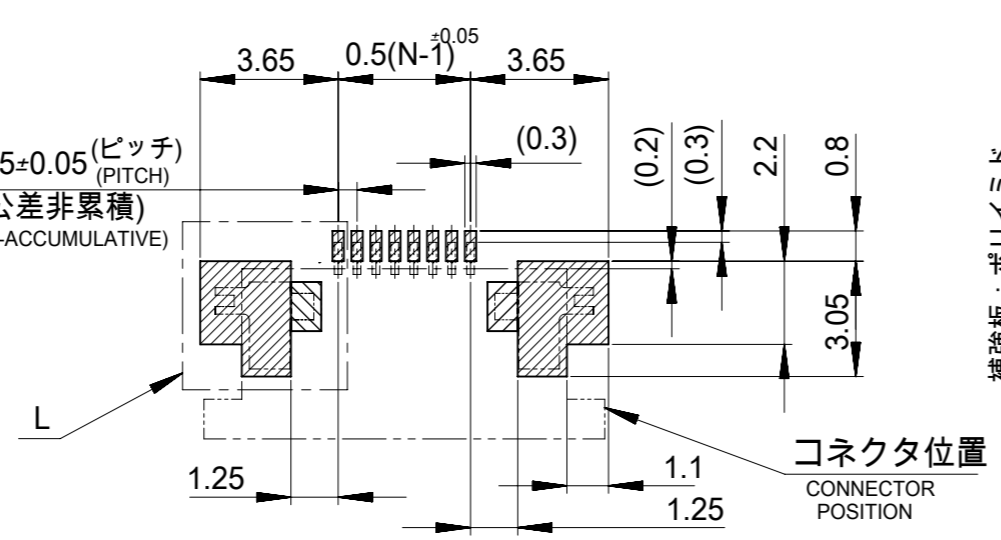
**FFC構成推奨仕様**  
 STRUCTURE OF FFC

FPCについて:  
 打抜き方向は導体側から補強板を推奨致します。  
 補強フィルム材質はポリイミドを推奨致します。  
 接着剤は熱硬化接着剤を推奨致します。

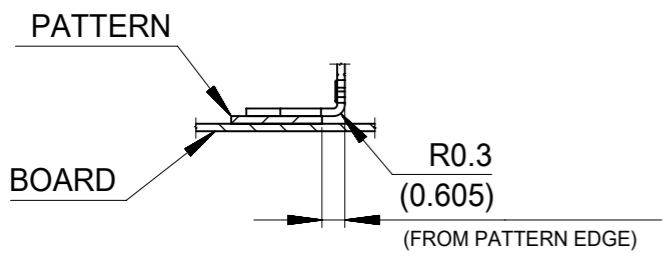
ABOUT FPC:  
 RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.  
 RECOMMENDED MATERIAL :  
 STIFFENER FILM : POLYIMIDE  
 BONDING AGENT : THERMOSETTING BONDING AGENT



**DETAIL L**



**参考基板レイアウト**  
 (マウント面)  
 RECOMMENDED P.C. BOARD  
 PATTERN DIMENSION (REF.)  
 (MOUNTING SIDE)



**VIEW M**  
 (DETAIL OF FITTING NAIL  
 ON PATTERN)

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 UNITS		SCALE	CURRENT REV DESC:			
mm		10:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)						
ANGULAR TOL	± 30 °		EC NO:	600082		
4 PLACES	± 0.2		DRWN:	YCHEN128	2018/02/27	
3 PLACES	± 0.25		CHK'D:	KTAKAHASHI	2018/03/14	
2 PLACES	± 0.3		APPR:	NUKITA	2018/03/14	
1 PLACE	±		INITIAL REVISION:			
0 PLACES	±		DRWN:	MUMEDA	2005/02/04	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			APPR:	NUKITA	2005/02/17	
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		A3-SIZE	52435	SEE TABLE	GENERAL MARKET	2 OF 2

**molex**

0.5 FPC CONN. ZIF FOR SMT R/A(TOP CONTACT)

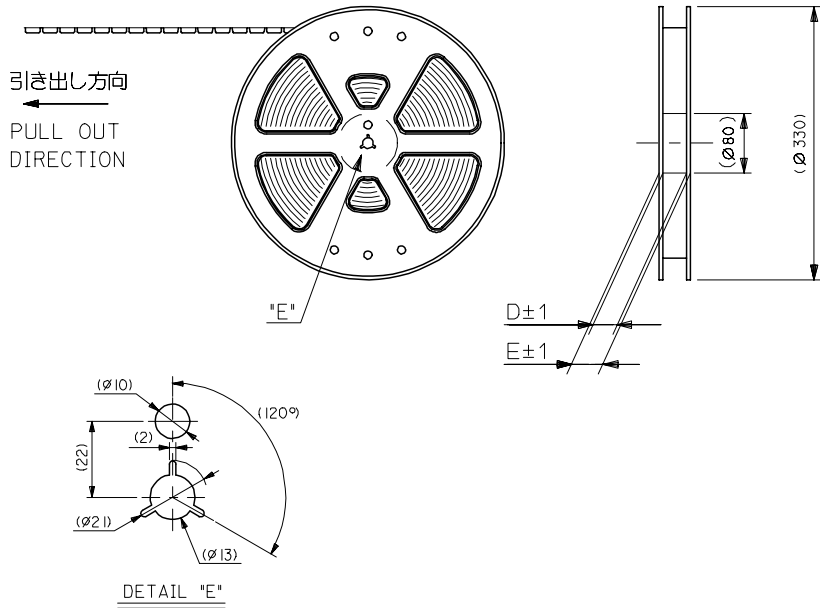
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-52435-016

DOC TYPE: PSD

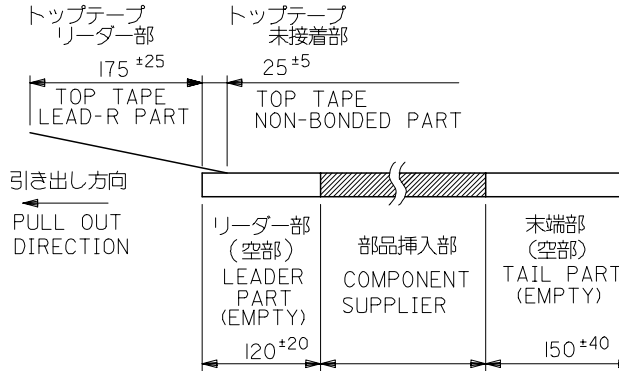
DOC PART: 001

REVISION: E



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



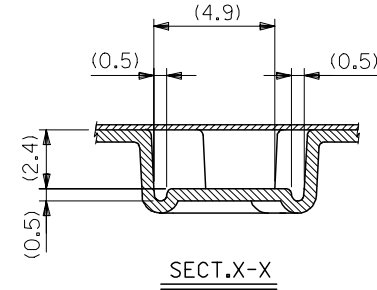
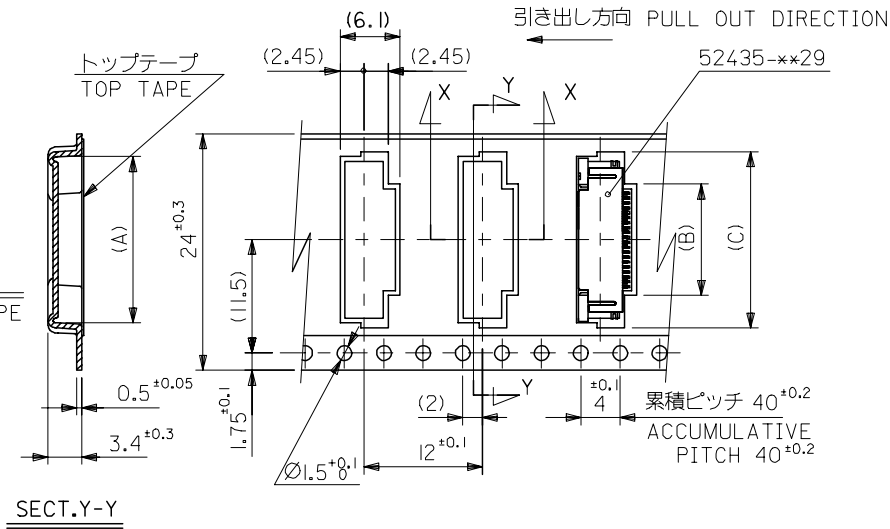
4. 材料 (MATERIAL)

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: THARUYAMA 2006/03/10 APPR: NUKITA 2006/03/17	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				
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					

10 9 8 7 6 5 4 3 2 1

24mm幅キャリアテープ  
24mm WIDTH CARRIER TAPE



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
DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		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-					
CHECKED BY K.TOYODA	DATE 2005/01/17	MOLEX INCORPORATED					
APPROVED BY N.UKITA	DATE 2005/01/17	MATERIAL NO. 52435-**71				DOCUMENT NO. SD-52435-017	SHEET NO. 2 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

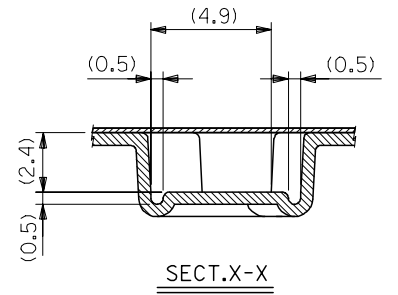
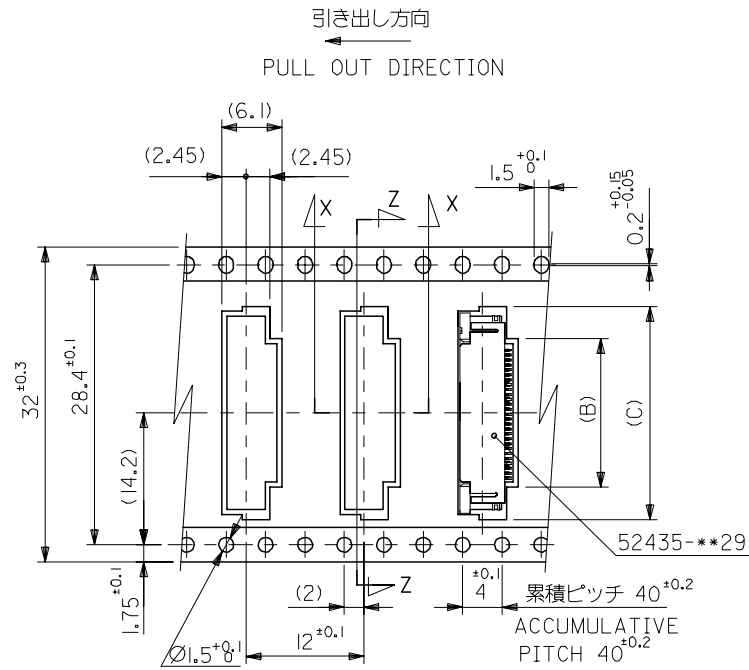
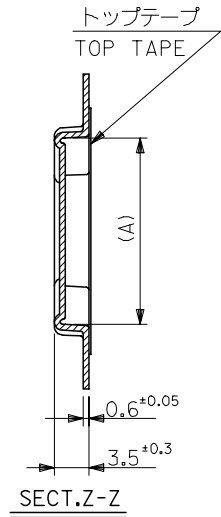
B

B

A

A

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

SCALE ---

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

REVISED EC NO: J2006-2753 DRWN: TENAGASE 2006/03/03 CHKD: THARYAMA 2006/03/10 APPR: NUKITA 2006/03/17	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	MOLEX INCORPORATED		
	30 OVER	±0.3	APPROVED BY N.NUKITA	DATE 2005/01/17	MATERIAL NO. 52435-**71	DOCUMENT NO. SD-52435-017	SHEET NO. 3 OF 4
	ANGULAR	±3 °	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

9

8

7

6

5

4

3

2



10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

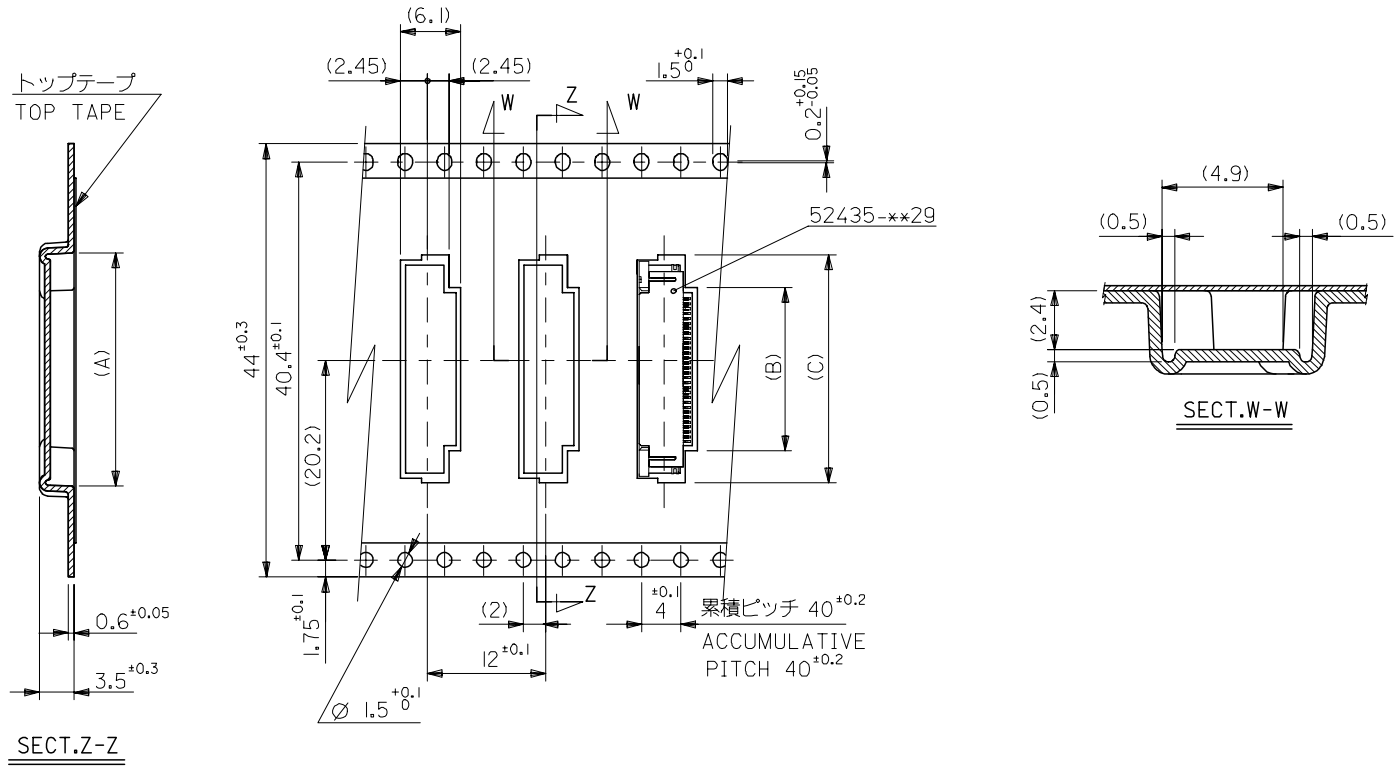
D

C

B

A

引き出し方向  
PULL OUT DIRECTION



44mm幅キャリアテープ  
44mm WIDTH CARRIER TAPE

SECT.Z-Z

SECT.W-W

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	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					

9

8

7

6

5

4

3

2