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Part Number: [0524372271](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 22 Circuits, Gold Contact Plating

Agency Certification

UL E29179

General

Product Family FFC/FPC Connectors
Series 52437
Overview ffc_fpc_smt
Product Name N/A

Physical

Circuits (Loaded) 22
Color - Resin Natural
Contact Position Bottom
Durability (mating cycles max) 20
Entry Angle 90° Angle
Flammability 94V-0
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.020 In
Pitch - Mating Interface (mm) 0.50 mm
Plating min: Mating (µin) 4
Plating min: Mating (µm) 0.1
Plating min: Termination (µin) 2
Plating min: Termination (µm) 0.05
Polarized to PCB Yes
Stackable No
Surface Mount Compatible (SMC) N/A
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

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-52437-001
Product Specification PS-52437-027, RPS-52437-040, RPS-52437-041, RPS-52437-042, RPS-52437-043, RPS-52437-045, RPS-52437-046
Sales Drawing SD-52437-019, SD-52437-020

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

[52437Series](#)

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F

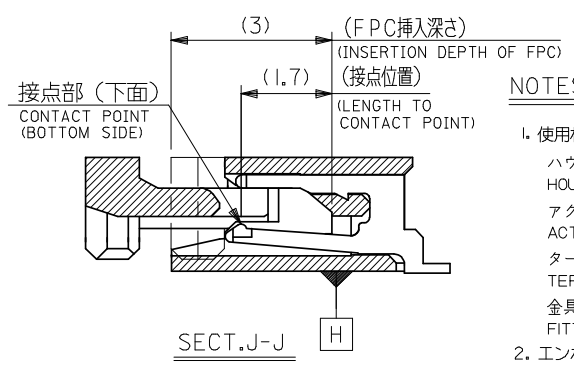
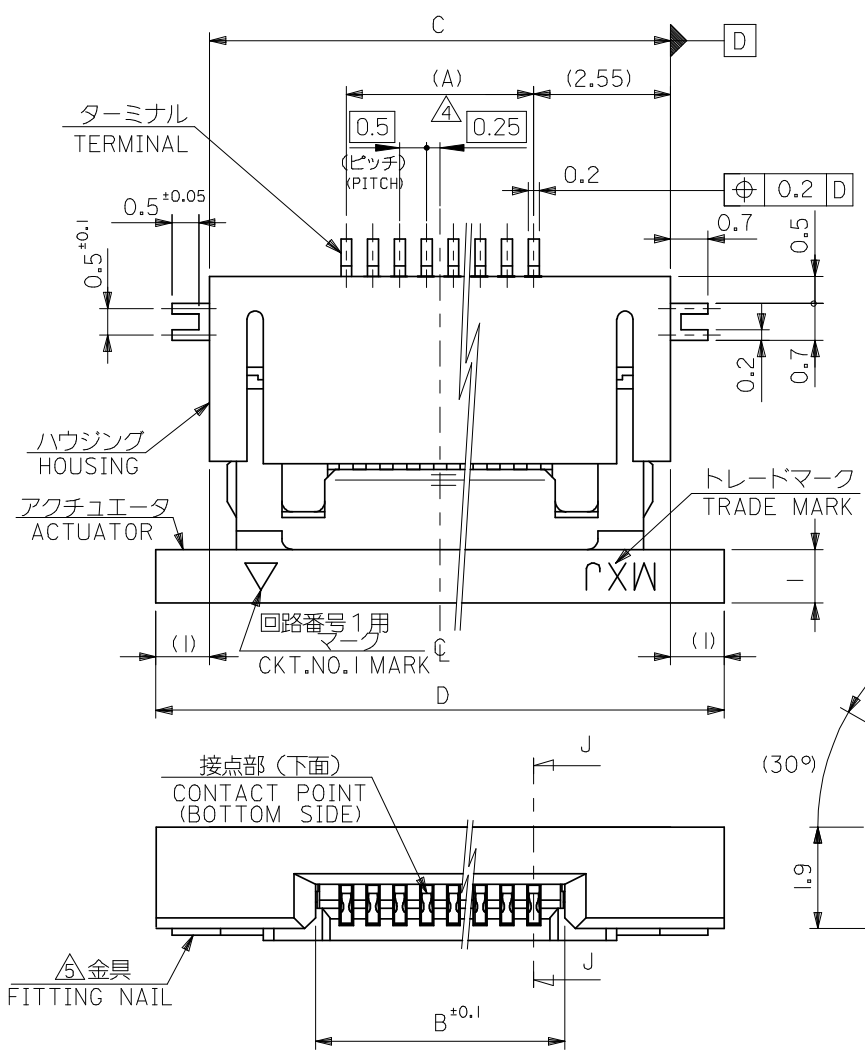
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D

C

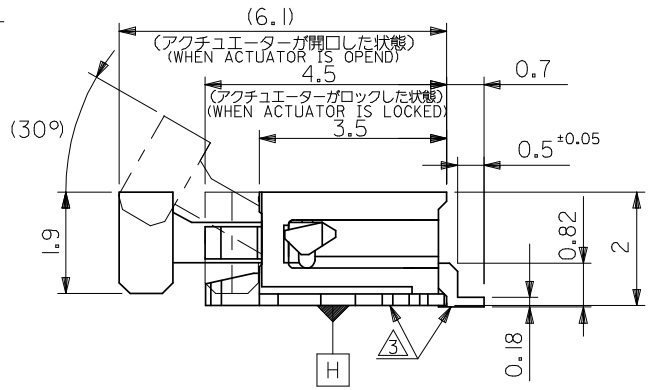
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A



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.52437-**-26 SHOULD BE LOCKED.
3. 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. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM H
UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15 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. RO.3は、FPCの導体部にかからないこと。
RO.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
7. 本製品は52437シリーズの鉛フリー品、金メッキ品である。
THIS PRODUCT IS LEAD FREE AND GOLD PLATED OF 52437 S SERIES.
8. ソルダータールの平坦度は、0.1 MAXIMUM とする。
SOLDER TAIL COPLANARITY IS 0.1 MAXIMUM.



MODEL NO. 52437-**-29

REVISED EC NO: J2008-4048 DRAWN:MABEL CHKD:THARYAWA 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 2004/12/08	TITLE 0.5 FPC CONN.ZIF FOR SMT.RA (BOTTOM CONTACT) -LEAD FREE- MOLEX INCORPORATED				
		10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYOTA	DATE 2004/12/08					
		30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2004/12/08					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-52437-019		1 OF 2		
REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

E

D

C

B

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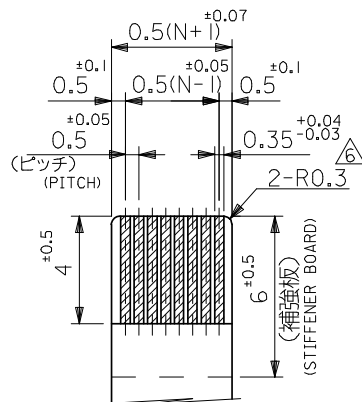
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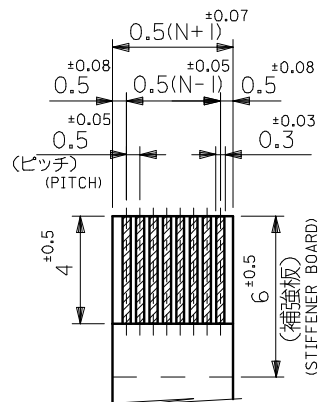
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A



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.

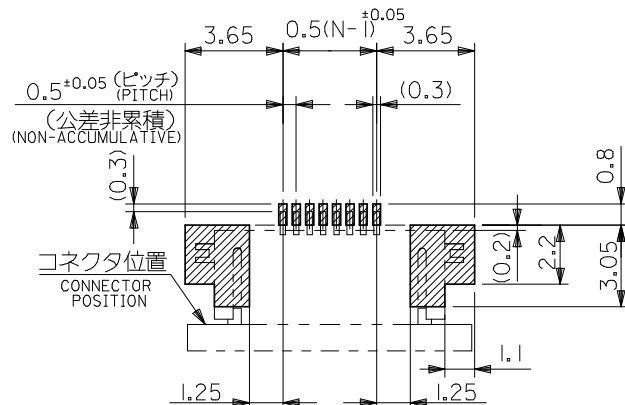
(仕上がり厚さ: 0.3 ±0.05)
(THICKNESS: 0.3 ±0.05)

FPCについて:

打抜き方向は導体側から補強板側を推奨致します。
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

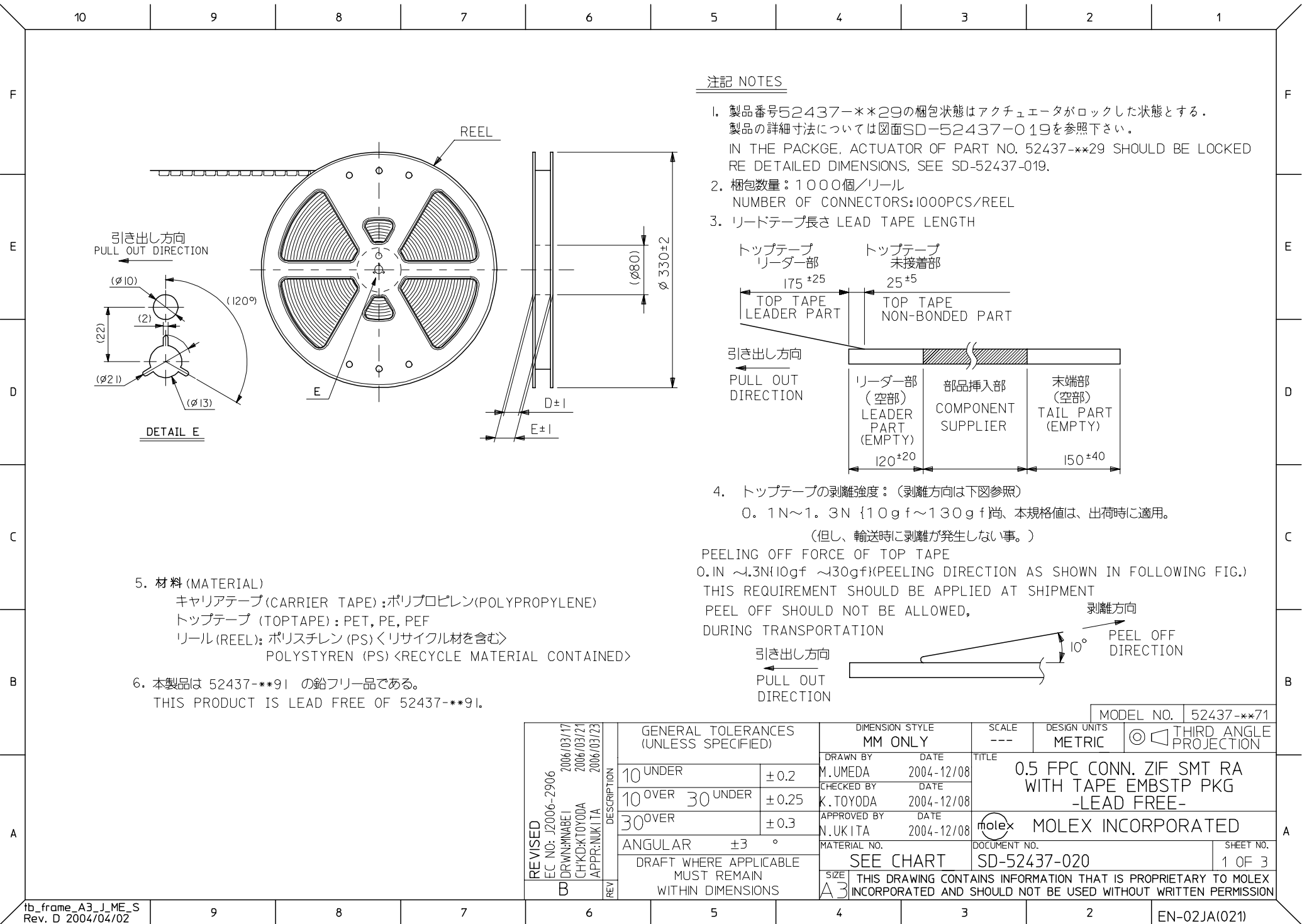


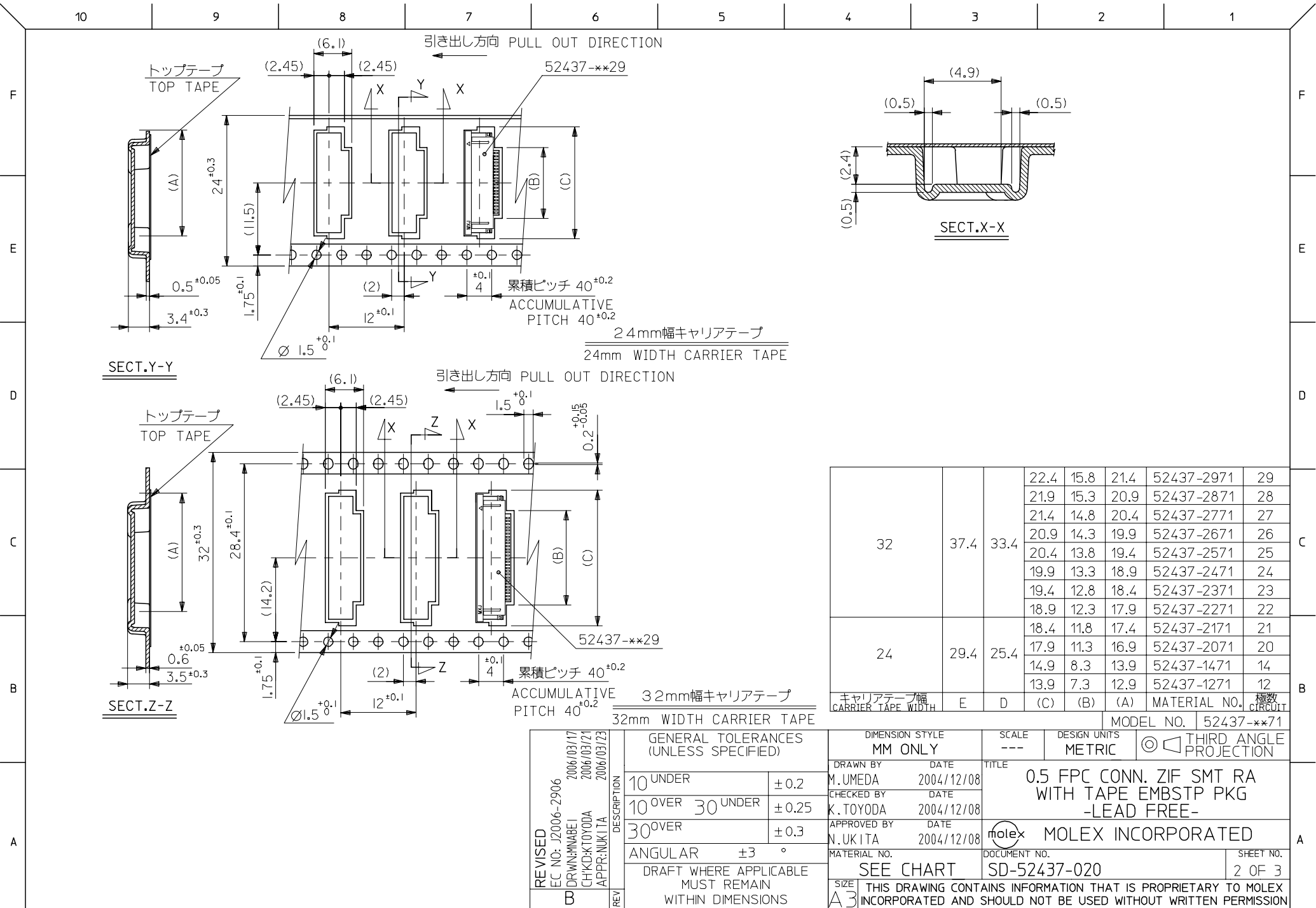
参考基板レイアウト
(マウント面)

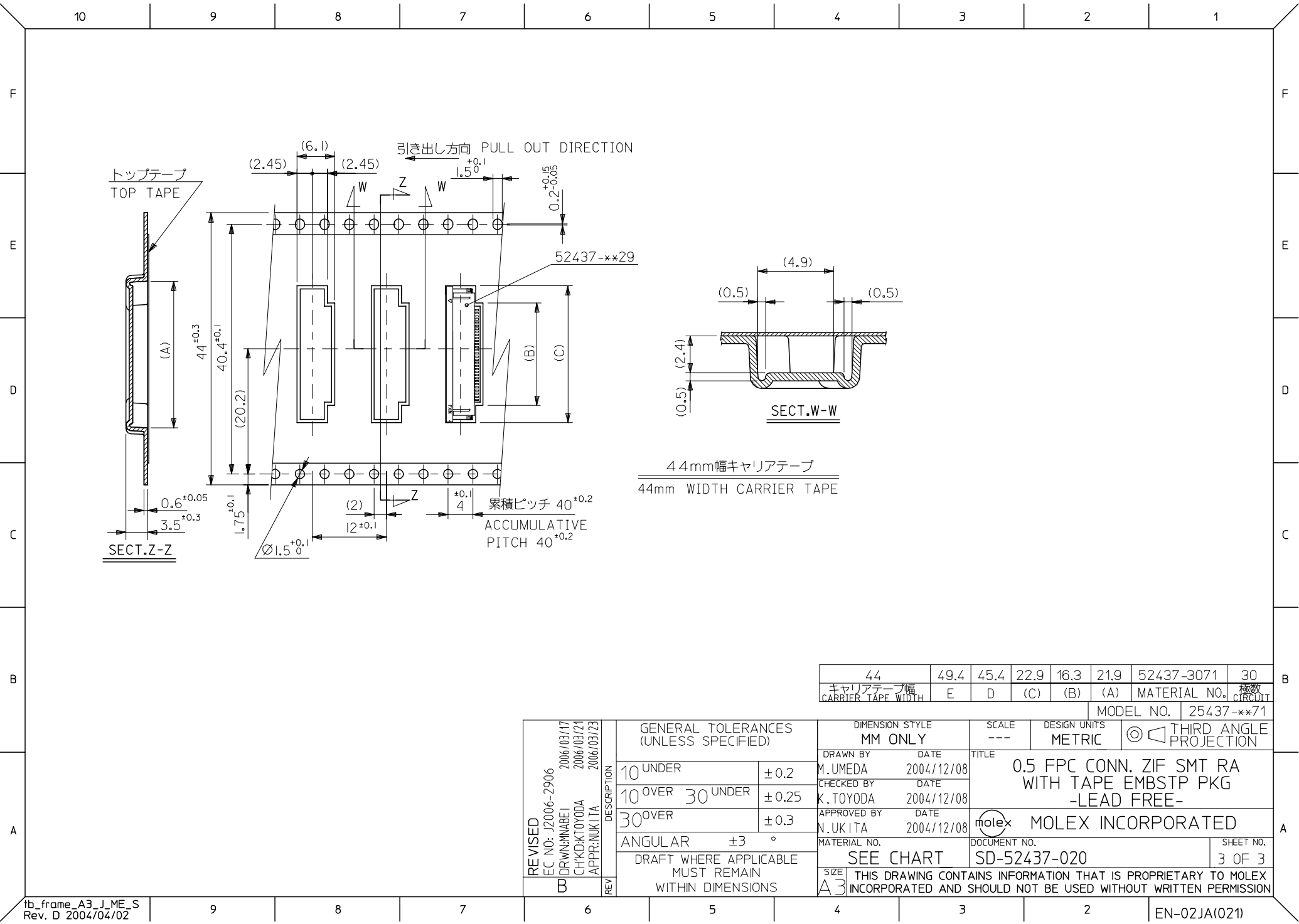
RECOMMENDED P.C.B.O.A.R.D.
P.A.T.T.E.R.N D.I.M.E.N.S.I.O.N (R.E.F.)
(M.O.U.N.T.I.N.G S.I.D.E)

21.6	19.6	15.65	14.5	52437-3071	52437-3029	30
21.1	19.1	15.15	14.0	52437-2971	52437-2929	29
20.6	18.6	14.65	13.5	52437-2871	52437-2829	28
20.1	18.1	14.15	13.0	52437-2771	52437-2729	27
19.6	17.6	13.65	12.5	52437-2671	52437-2629	26
19.1	17.1	13.15	12.0	52437-2571	52437-2529	25
18.6	16.6	12.65	11.5	52437-2471	52437-2429	24
18.1	16.1	12.15	11.0	52437-2371	52437-2329	23
17.6	15.6	11.65	10.5	52437-2271	52437-2229	22
17.1	15.1	11.15	10.0	52437-2171	52437-2129	21
16.6	14.6	10.65	9.5	52437-2071	52437-2029	20
13.6	11.6	7.65	6.5	52437-1471	52437-1429	14
12.6	10.6	6.65	5.5	52437-1271	52437-1229	12
D	C	B	(A)	EMBOSSED TAPE	MATERIAL NO.	極数
				ORDER No. オーダー番号	MODEL NO. 52437-**29	CKT.

REVISED EC NO: J2008-4048 DRWN:WABEI CHK'D:THARUYAMA 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 2004/12/08		TITLE 0.5 FPC CONN.ZIF FOR SMT.RA (BOTTOM CONTACT) -LEAD FREE-		
		10 OVER 30 UNDER	± 0.25	CHECKED BY K.TOYOTA		DATE 2004/12/08				
		30 OVER	± 0.3	APPROVED BY N.UKITA		DATE 2004/12/08		molex MOLEX INCORPORATED		
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52437-019		2 OF 2			
REV		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	52437-3071	30
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT
MODEL NO.						25437-xx71	

REVISED EC NO: J2006-2906 DRWN: NABEJ 2006/03/17 CHKD: KTOYODA 2006/03/21 APPR: NUKITA 2006/03/23 B	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	M.UMEDA	2004/12/08	TITLE 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	K. TOYODA	2004/12/08					
		30 OVER	± 0.3	N. UKITA	2004/12/08	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52437-020		3 OF 3		
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						