

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0524372071

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 20 Circuits, Gold Contact Plating

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

Agency Certification

UL

E29179

General

Product Family

Series

Overview

Product Name

FFC/FPC Connectors

52437

ffc_fpc_smt

N/A

Physical

Circuits (Loaded)

Color - Resin

Contact Position

Durability (mating cycles max)

Entry Angle

Flammability

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

20

Natural

Bottom

20

90° Angle

94V-0

Phosphor Bronze

Gold

Gold

High Temperature Thermoplastic

1

Right Angle

No

None

Embossed Tape on Reel

0.020 In

0.50 mm

4

0.1

2

0.05

Yes

No

N/A

-40°C to +85°C

Surface Mount

FFC/FPC

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

50V

Material Info

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

SPK-52437-001

PS-52437-027, RPS-52437-029, RPS-52437-038, RPS-52437-040, RPS-52437-041, RPS-52437-042, RPS-52437-043, RPS-52437-045, RPS-52437-046

SD-52437-019, SD-52437-020

This document was generated on 06/04/2010

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F

E

D

C

B

A

F

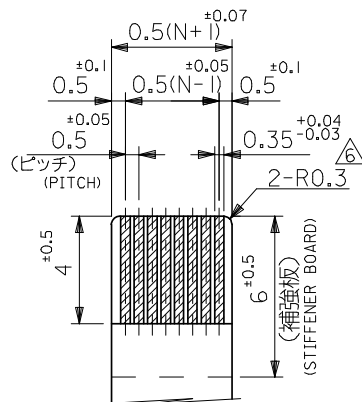
E

D

C

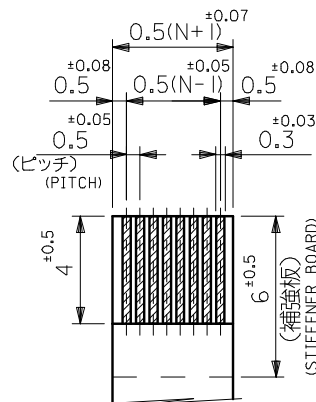
B

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.

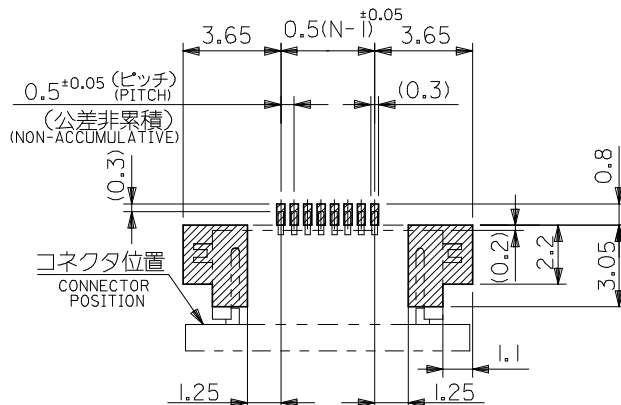
(仕上がり厚さ: 0.3 ±0.05)
(THICKNESS: 0.3 ±0.05)

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

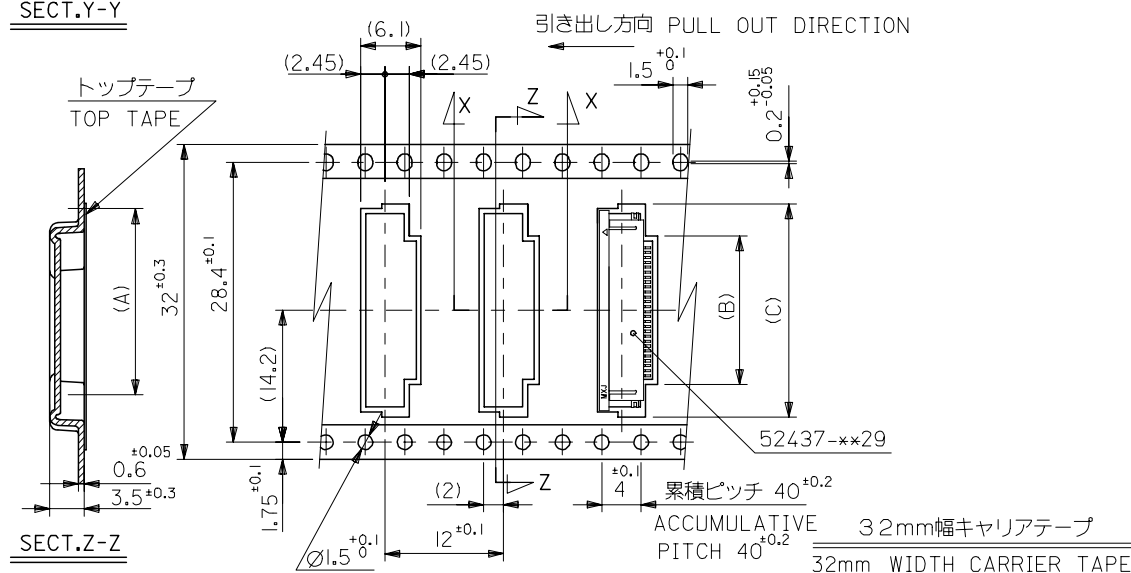
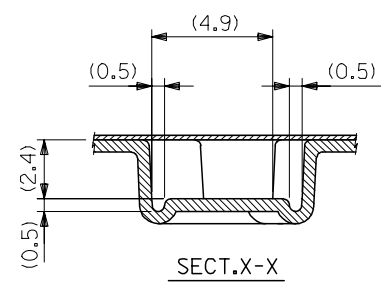


参考基板レイアウト
(マウント面)

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 REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		---	METRIC		
		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.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52437-019		2 OF 2			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



32	37.4	33.4	22.4	15.8	21.4	52437-2971	29
			21.9	15.3	20.9	52437-2871	28
			21.4	14.8	20.4	52437-2771	27
			20.9	14.3	19.9	52437-2671	26
			20.4	13.8	19.4	52437-2571	25
			19.9	13.3	18.9	52437-2471	24
			19.4	12.8	18.4	52437-2371	23
			18.9	12.3	17.9	52437-2271	22
24	29.4	25.4	18.4	11.8	17.4	52437-2171	21
			17.9	11.3	16.9	52437-2071	20
			14.9	8.3	13.9	52437-1471	14
			13.9	7.3	12.9	52437-1271	12
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED	EC NO: J2006-2906	2006/03/17	DRAWN: NABEI	2006/03/21	CHKD: K. TOYODA	2006/03/21	APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	MODEL NO. J2437-AX7
									10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2004/12/08	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 2004/12/08					
									30 OVER	± 0.3	APPROVED BY N. NUKITA	DATE 2004/12/08		MOLEX INCORPORATED			
									ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
REV	B		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52437-020		2 OF 3							
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	



REVISED	EC NO: J2006-2906 DRAWN:MABEI CHKD:K TOYODA APPR:NUKITA	2006/03/17 2006/03/21 2006/03/21	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 SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-			
				10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE 2004/12/08				
				30 OVER	± 0.3	APPROVED BY N. NUKITA	DATE 2004/12/08	 MOLEX INCORPORATED			
				ANGULAR ±3 °		MATERIAL NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52437-020		3 OF 3	
			REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				