

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0524372371

Status:

Active

Overview:

Description:

0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 23 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)

23

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

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

E

D

C

B

A

F

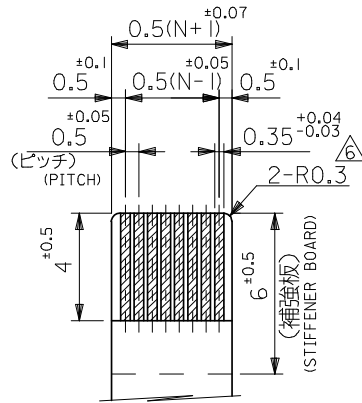
E

D

C

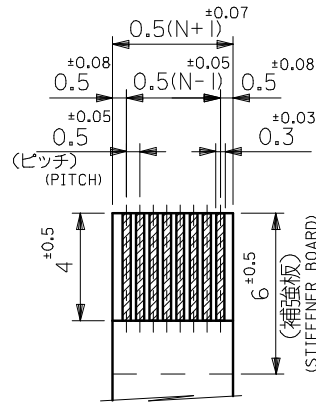
B

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)

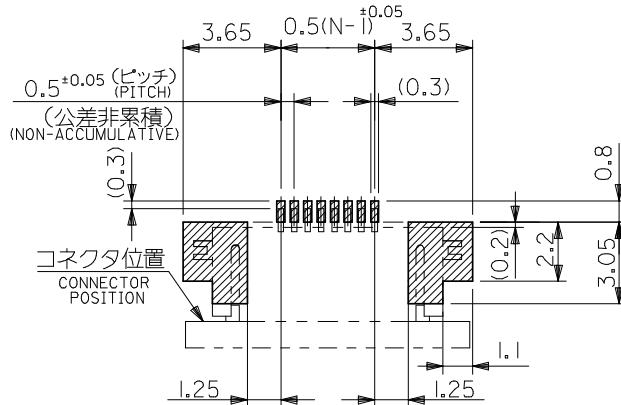
FPCについて:

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)	EMBOSSD 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 CHKD: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. SEE TABLE		DOCUMENT NO. SD-52437-019			SHEET NO. 2 OF 2	
	REV	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					

F

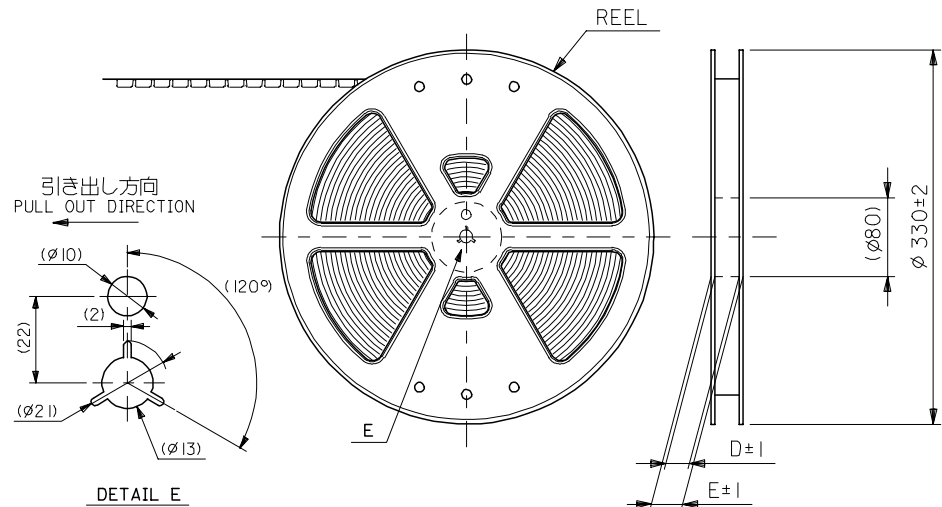
E

D

C

B

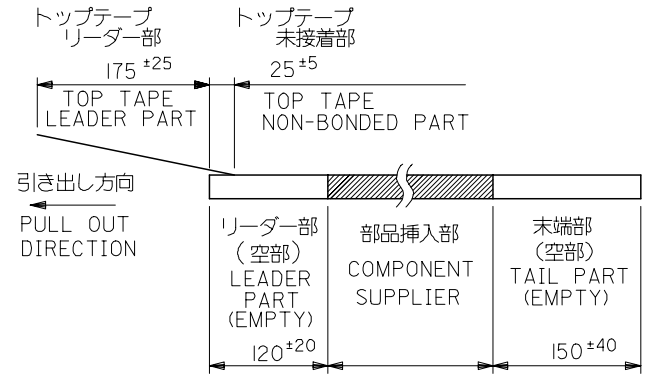
A



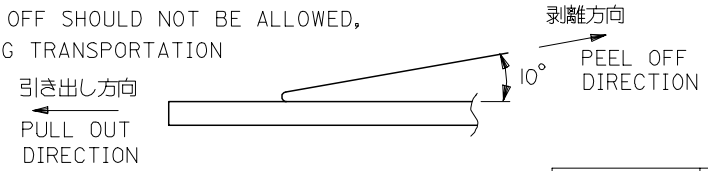
5. 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は 52437-***9I の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52437-***9I.

注記 NOTES

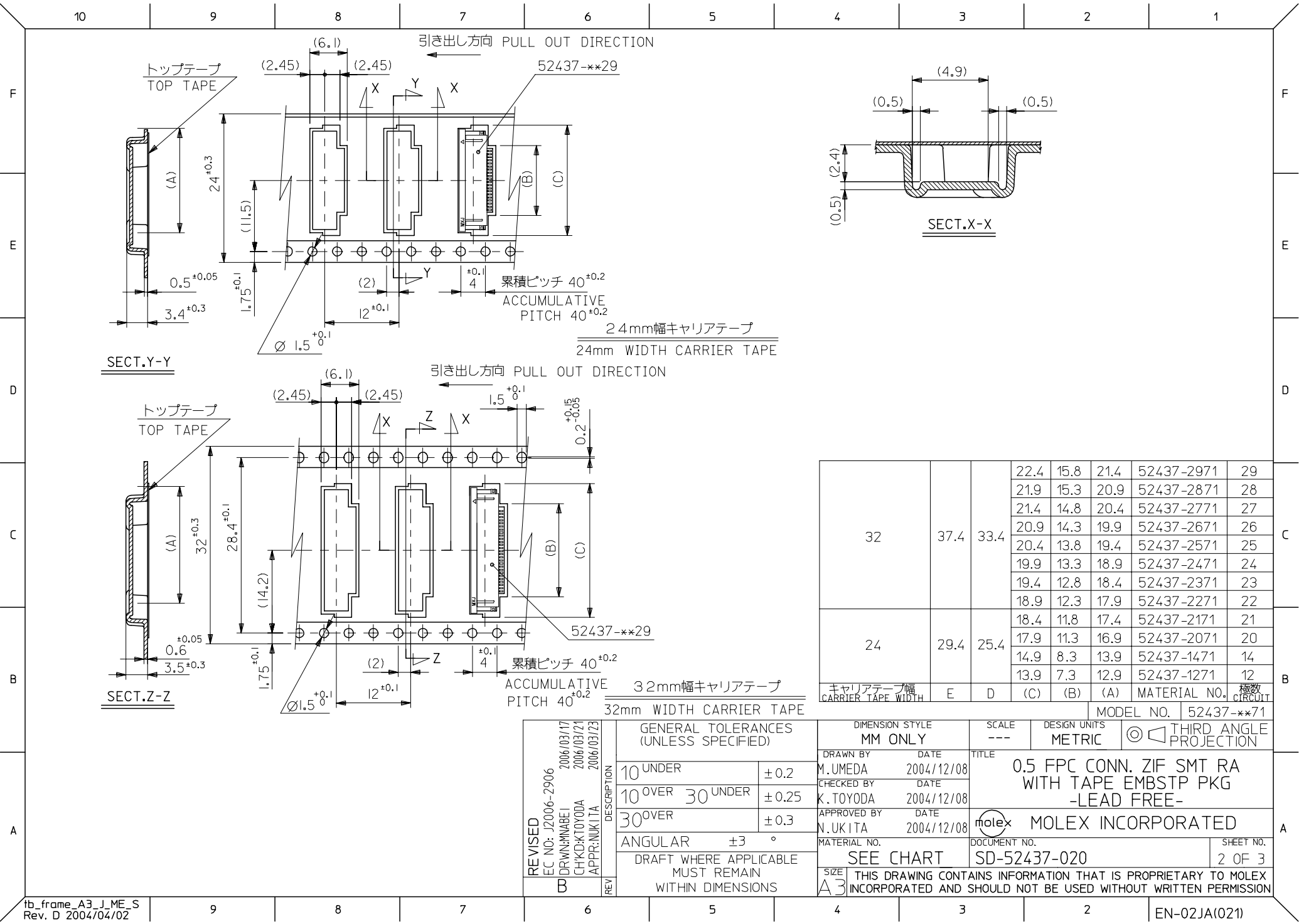
- 製品番号52437-***29の梱包状態はアクチュエータがロックした状態とする。
製品の詳細寸法については図面SD-52437-019を参照下さい。
IN THE PACKAGE, ACTUATOR OF PART NO. 52437-***29 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52437-019.
- 梱包数量 : 1000個/リール
NUMBER OF CONNECTORS: 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度 : (剥離方向は下図参照)
0. 1N~1.3N {10gf~130gf} 尚、本規格値は、出荷時に適用。
(但し、輸送時に剥離が発生しない事。)
PEELING OFF FORCE OF TOP TAPE
0. IN ~1.3N {10gf ~130gf} (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED,
DURING TRANSPORTATION



REVISED EC NO: J2006-2906 DRWN:MABE1 2006/03/17 CHKD:KTOYODA 2006/03/21 APPR:NUKITA 2006/03/23	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	MODEL NO. 52437-020		
				MM ONLY		---	METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 0.5 FPC CONN. ZIF SMT RA WITH TAPE EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE					
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
		ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52437-020					1 OF 3
REV		SIZE A3	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
24	29.4	25.4	18.9	12.3	17.9	52437-2271	22
			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)				
			(C)	(B)	(A)	MATERIAL NO.	極数 (CIRCUIT)

REVISED EC NO: J2006-2906 B	2006/03/17 2006/03/21 2006/03/23	DRWN:MABE1 CHKDK:TOYODA APPR:NUKITA	DESCRIPTION REV	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.UKITA	DATE 2004/12/08	MOLEX MOLEX INCORPORATED			
				ANGULAR ±3 °		MATERIAL NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52437-020		2 OF 3	
						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 CHK:KKTUYODA APPR:NUKITA	2006/03/17 2006/03/21 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.UKITA	DATE 2004/12/08				
				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			



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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