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Part Number:

0533980371

Status:

Active

Overview:

[picoblade](#)

Description:

1.25mm (.049") Pitch PicoBlade™ Header, SMT, Vertical, Lead-free, 3 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-51021-024 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL

E29179

General

Product Family

PCB Headers

Series

53398

Application

Wire-to-Board

MolexKits

Yes

Overview

[picoblade](#)

Product Name

PicoBlade™

Physical

Breakaway

No

Circuits (Loaded)

3

Color - Resin

Natural

Durability (mating cycles max)

30

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

No

Lock to Mating Part

Yes

Mated Height (in)

0.224 In

Mated Height (mm)

5.70 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Nylon

Number of Rows

1

Orientation

Vertical

PC Tail Length (in)

0.024 In

PC Tail Length (mm)

0.60 mm

PCB Locator

No

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.049 In

Pitch - Mating Interface (mm)

1.25 mm

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Shrouded

Partial

Stackable

No

Temperature Range - Operating

-40°C to +85°C

Termination Interface: Style

Surface Mount

Electrical

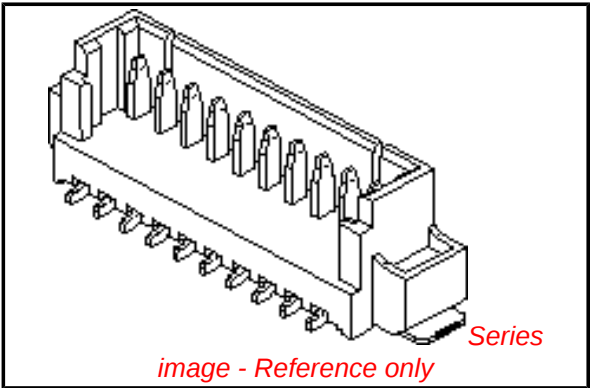
Current - Maximum per Contact

1A

Voltage - Maximum

125V

Material Info



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

53398Series

Mates With

51021 PicoBlade™ Wire-to-Wire and Wire-to-Board Housing

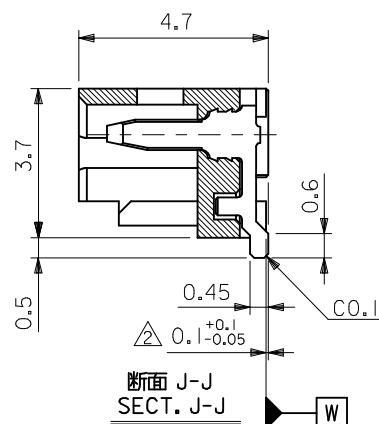
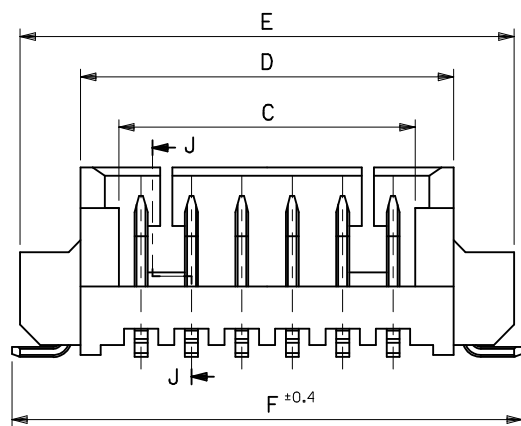
Reference - Drawing Numbers

Packaging Specification
Product Specification

SPK-53398-001, SPK-53398-002
PS-51021-024, RPS-51021-038, RPS-51021-039,
RPS-51021-040, RPS-51021-043, RPS-51021-045,
RPS-51021-046, RPS-51021-047, RPS-51021-051,
RPS-51021-053, RPS-51021-057, RPS-51021-064,
RPS-51021-065, RPS-51021-067, RPS-51021-068,
RPS-51021-074, RPS-51021-077, RPS-51021-081,
RPS-51021-085, RPS-51021-086, RPS-51021-091,
RPS-51021-092, RPS-51021-097, RPS-51021-098,
RPS-51021-099, RPS-51021-101, RPS-53398-002,
RPS-53398-038
SD-53398-032, SD-53398-033

Sales Drawing

This document was generated on 05/25/2010
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1. 嵌合相手 : 5102I シリーズ MATE WITH : 5102I SERIES

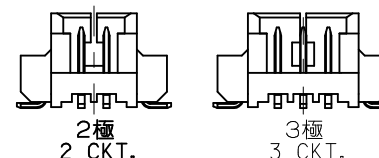
△ 水平面上においての、ウェハー底面 **W** とソルダーテール及び
フィッティングネイル底面とのズレ量を示す。
MISALIGNMENT OF SOLDER TAIL & FITTING NAIL FROM **W**

△ 偶数極にのみ適用。APPLY EVEN CIRCUIT PRODUCTS.

△ ロック窓は、2、3極は1ヶ所、4極以上は2ヶ所とする。
LOCKING WINDOW : ONE PLACE FOR 2&3 CKTS.
TWO PLACES FOR MORE THAN 4 CKTS.

5. 材質 MATERIAL PA, UL94V-0 COLOR:NATURAL
ウェハー :
WAFER
ピン : リン青銅
PIN : PHOS-BRO
: 錫メッキ 1.0マイクロメートル以上
: MATTE TIN 1.0 MICROMETER MINIMUM
: ニッケル下地 1.0マイクロメートル以上
: NICKEL(UNDER PLATING)1.0 MICROMETER MINIMUM
金具 : リン青銅
FITTING NAIL : PHOS-BRO
: 錫メッキ 1.0マイクロメートル以上
: MATTE TIN 1.0 MICROMETER MINIMUM
: ニッケル下地 1.0マイクロメートル以上
: NICKEL(UNDER PLATING)1.0 MICROMETER MINIMUM

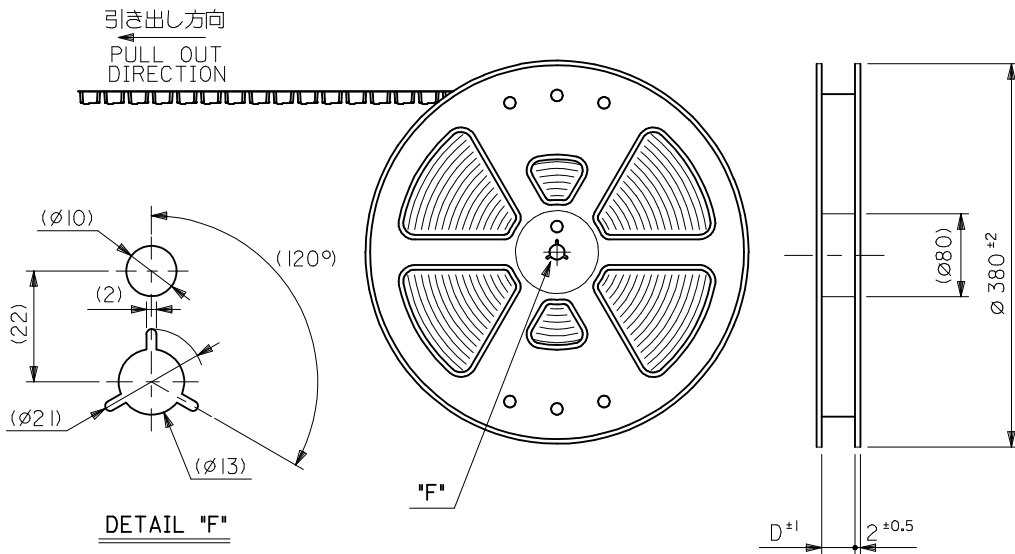
6. 本製品は 53398-**10 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53398-***10.



△4 ロック形状図

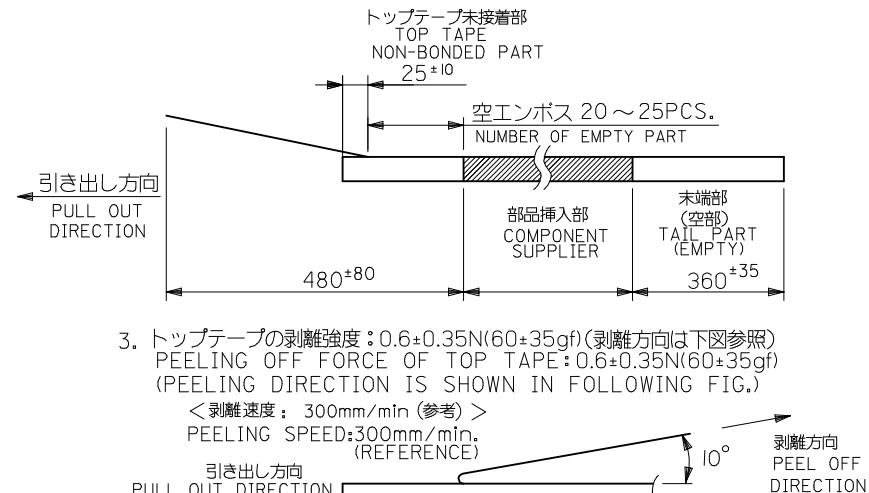
REVISED	EC NO: J2010-0213	DRWN:TKON CHKD:NUK IITA APPR:NUK IITA	2009/09/25 2009/09/25 2009/09/28	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	53398--**19	MODEL NO.			
					10 UNDER	± 0.2	DRAWN BY MNI NOMIYA	DATE 04/02/06	TITLE 1.25 W/B CONN. ASS'Y FOR SMT(ST.) -LEAD FREE-							
					10 OVER 30 UNDER	± 0.25	CHECKED BY KTOJO	DATE 04/02/06								
					30 OVER	± 0.3	APPROVED BY MSASAO	DATE 04/02/06	 MOLEX INCORPORATED							
					ANGULAR ±3 °		MATERIAL NO.									
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-53398-032							
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															

[illegible]

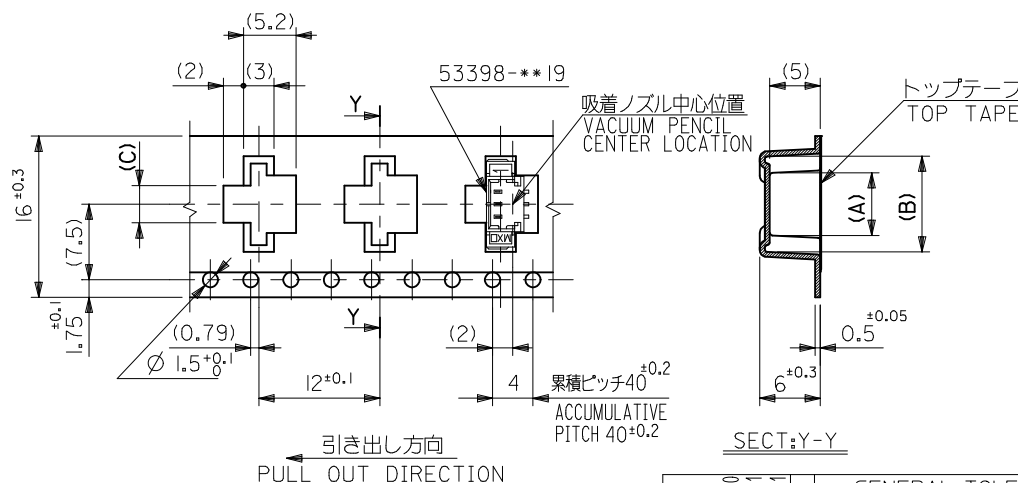


NOTES

1. 梱包数量: 1000個/リール
NUMBER OF CONNECTOR: 1000PCS/REEL
2. リードテープ長さ
LEAD TAPE LENGTH



3. トップテープの剥離強度: 0.6 ± 0.35N (60 ± 35gf) (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE: 0.6 ± 0.35N (60 ± 35gf)
(PEELING DIRECTION IS SHOWN IN FOLLOWING FIG.)
剥離速度: 300mm/min (参考) >
PEELING SPEED: 300mm/min. (REFERENCE)
4. 53398-**-19 の詳細寸法については図面 SD-53398-032 を参照下さい。
RE DETAILED DIMENSIONS, SEE SD-53398-032.
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 (TOP TAPE): PET, PE, PEF
リール (REEL): ポリスチレン (P.S.) <リサイクル材含む>
POLYSTYRENE (P.S.) <RECYCLE MATERIAL CONTAINED>
6. 本製品は 53398-**-90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53398-**-90.
7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.



16	21.4	17.4	3.7 2.45	9.5 8.25	5.8 4.55	53398-0371 53398-0271	3 2
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISIONS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
REV	DESCRIPTION	SIZE	TOLERANCE	MM ONLY	DATE	---	---	METRIC	---	---	---
1	10 UNDER	10	±0.2	DRAWN BY	NINOMIYA	'04/02/06					
2	10 OVER 30 UNDER	30	±0.25	CHECKED BY	K. TOJO	'04/02/06					
3	30 OVER	30	±0.3	APPROVED BY	M. SASAO	'04/02/06					
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE & SHEET 2.3		DOCUMENT NO.		SHEET NO.	
				SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

1.25 W/B CONN WAFER ASSY
FOR SMT. EMBSTP. PKG.
-LEAD FREE-

MOLEX INCORPORATED

SD-53398-033

1 OF 3

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

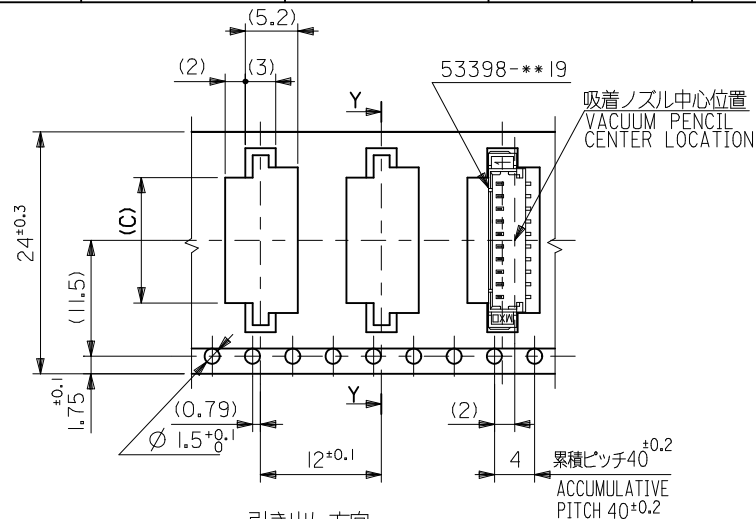
E

D

C

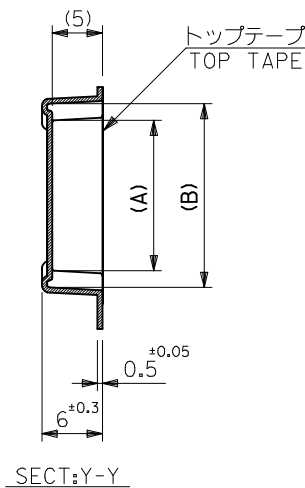
B

A

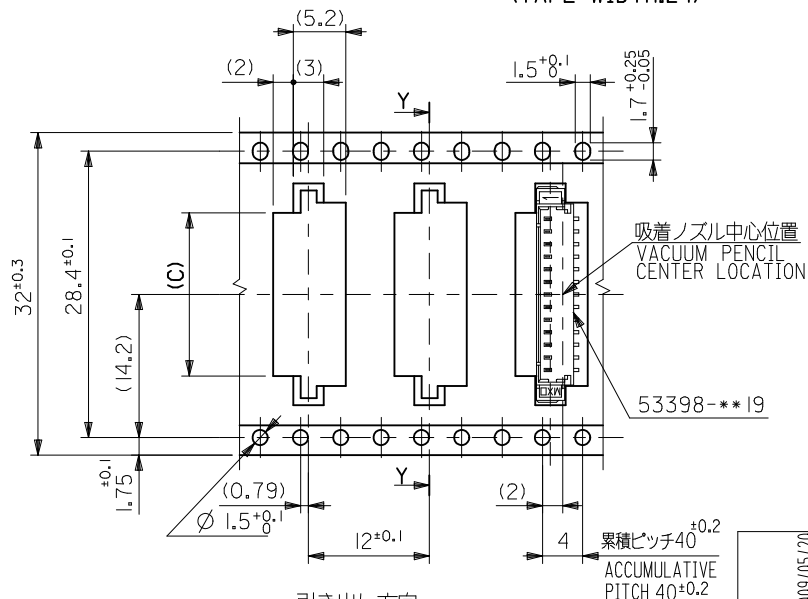


引き出し方向
PULL OUT DIRECTION

24幅テープ
(TAPE WIDTH:24)

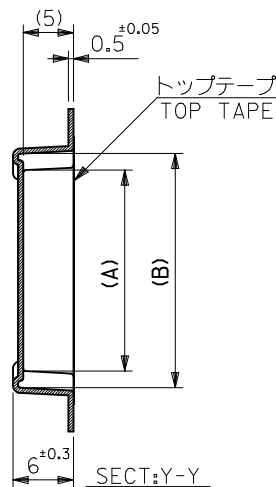


SECT:Y-Y



引き出し方向
PULL OUT DIRECTION

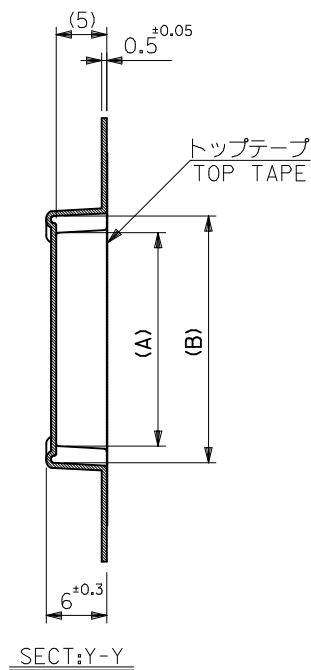
32幅テープ
(TAPE WIDTH:32)



SECT:Y-Y

32	37.4	33.4	16.2	22	18.3	53398-1371	13
			14.95	20.75	17.05	-1271	12
24	29.4	25.4	13.7	19.5	15.8	-1171	11
			12.45	18.25	14.55	-1071	10
			11.2	17	13.3	-0971	9
			9.95	15.75	12.05	-0871	8
			8.7	14.5	10.8	-0771	7
			7.45	13.25	9.55	-0671	6
			6.2	12	8.3	-0571	5
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	4.95	10.75	7.05	53398-0471	4
			(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2009-2060 DRWN:TKN CHKD:HMATSUMOTO APPR:NUKITA	DESCRIPTION 2009/05/20 2009/05/21 2009/05/21	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER	± 0.2	DRAWN BY NINOMIYA	DATE '04/02/06	TITLE 1.25 W/B CONN WAFER ASSY FOR SMT. EMBSTP. PKG. -LEAD FREE-					
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE '04/02/06						
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE '04/02/06	MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE & SHEET 1.3		SD-53398-033		2 OF 3			
B	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
DRAWN BY NINOMIYA	DATE '04/02/06	TITLE 1.25 W/B CONN WAFER ASSY FOR SMT. EMBSTP. PKG. -LEAD FREE-		
CHECKED BY K. TOJO	DATE '04/02/06			
APPROVED BY M. SASAO	DATE '04/02/06	MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
SEE TABLE & SHEET 1.2		SD-53398-033		3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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Rev. E 2006/04/15



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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