

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0512385011](#)
Status: **Active**
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Female Terminal, Signal, 50 Circuits, Polarization Type Standard

Documents:
[Drawing \(PDF\)](#)
[Product Specification PS-51238-016 \(PDF\)](#)
[Product Specification PS-51238-017 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	I/O Connectors
Series	51238
Application	Panel-Mount, Wire-to-Wire
Component Type	Housing
Product Name	CRC™
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	N/A
Circuits (maximum)	50
Color - Resin	Gray
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	n/a
Material - Resin	Polyester
Number of Rows	10
Orientation	Vertical
PCB Locator	No
Packaging Type	Tray
Panel Mount	Front, Rear
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Pitch - Term. Interface (in)	0.118 In
Pitch - Term. Interface (mm)	3.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	N/A
Ports	1
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.5A, 1A, 2.5A, 2A
Shielded	No
Voltage - Maximum	250V AC (RMS)/DC



image - Reference only

Series

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
[51238Series](#)

Mates With
51234-501X plug housing|55836-500X plug assembly set

Use With
56377-500* receptacle shell|56120 and 56121 female terminal (low-insertion force type)

Material Info

Reference - Drawing Numbers

Product Specification	PS-51238-016, PS-51238-017
Sales Drawing	SD-51238-015

This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

E

D

C

B

A

F

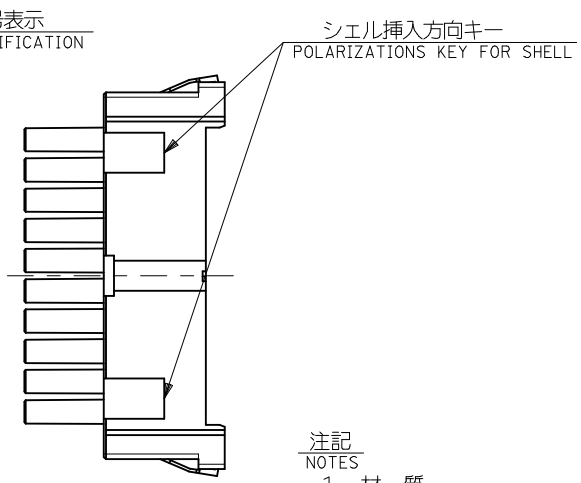
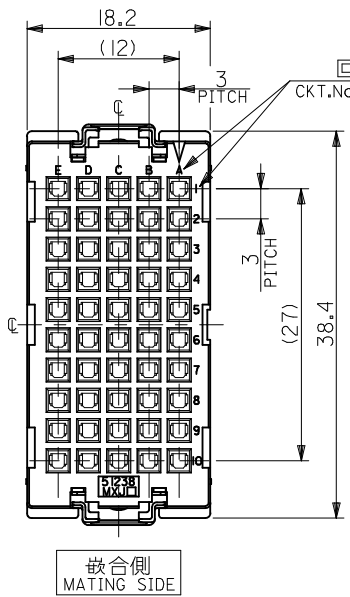
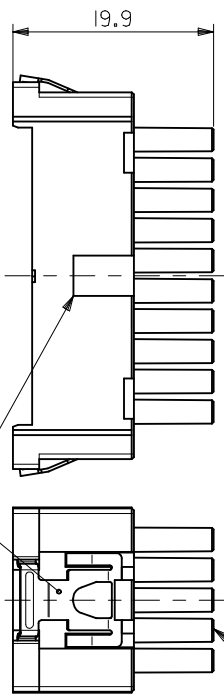
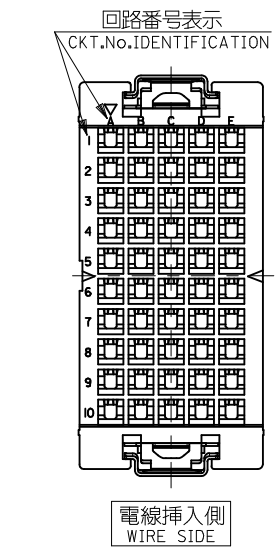
E

D

C

B

A



注記
NOTES

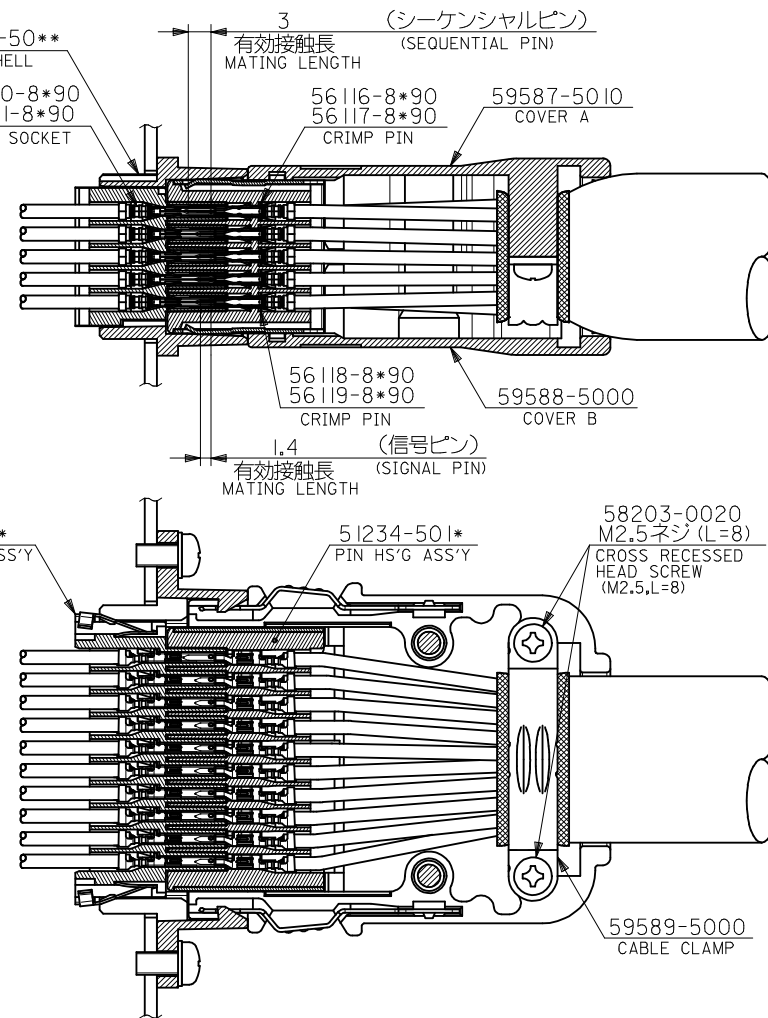
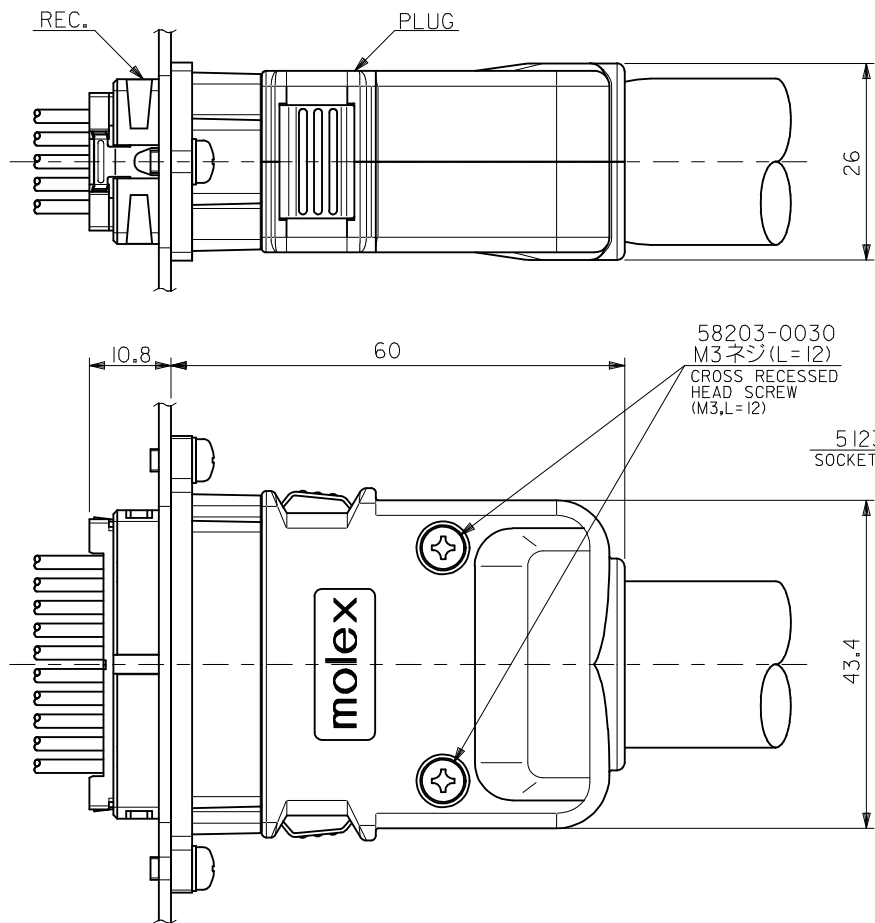
1. 材 質
MATERIAL
①ハウジング：ガラス入りPBT樹脂
HOUSING : PBT G.F.
UL 94V-0 色：灰
UL 94V-0 COLOR : GRAY
②スプリング：ステンレス鋼 t0.3
SPRING : STAINLESS STEEL t0.3
2. 適用端子：56120-8*90 , 56121-8*90
APPLICABLE CRIMP PIN : 56120-8*90 , 56121-8*90
3. 適用リセプタクル シエル：56377-50**
APPLICABLE RECEPTACLE SHELL : 56377-50**
4. 嵌合相手：51234-501*
MEET WITH : 51234-501*

<誤嵌合防止キー（極性）タイプ> <POLARITY KEY TYPE>

51238-5011	51238-5012	51238-5013	51238-5014	51238-5015
STANDARD TYPE	A TYPE	B TYPE	C TYPE	D TYPE

D-6	C	51238-5014	51238-***	50
C-6	B	51238-5013		
C-5	STANDARD	51238-5011		
POLARITY POSITION (CIRCUIT NO.)	POLARITY TYPE	MATERIAL NO.	MODEL NO.	CIRCUIT

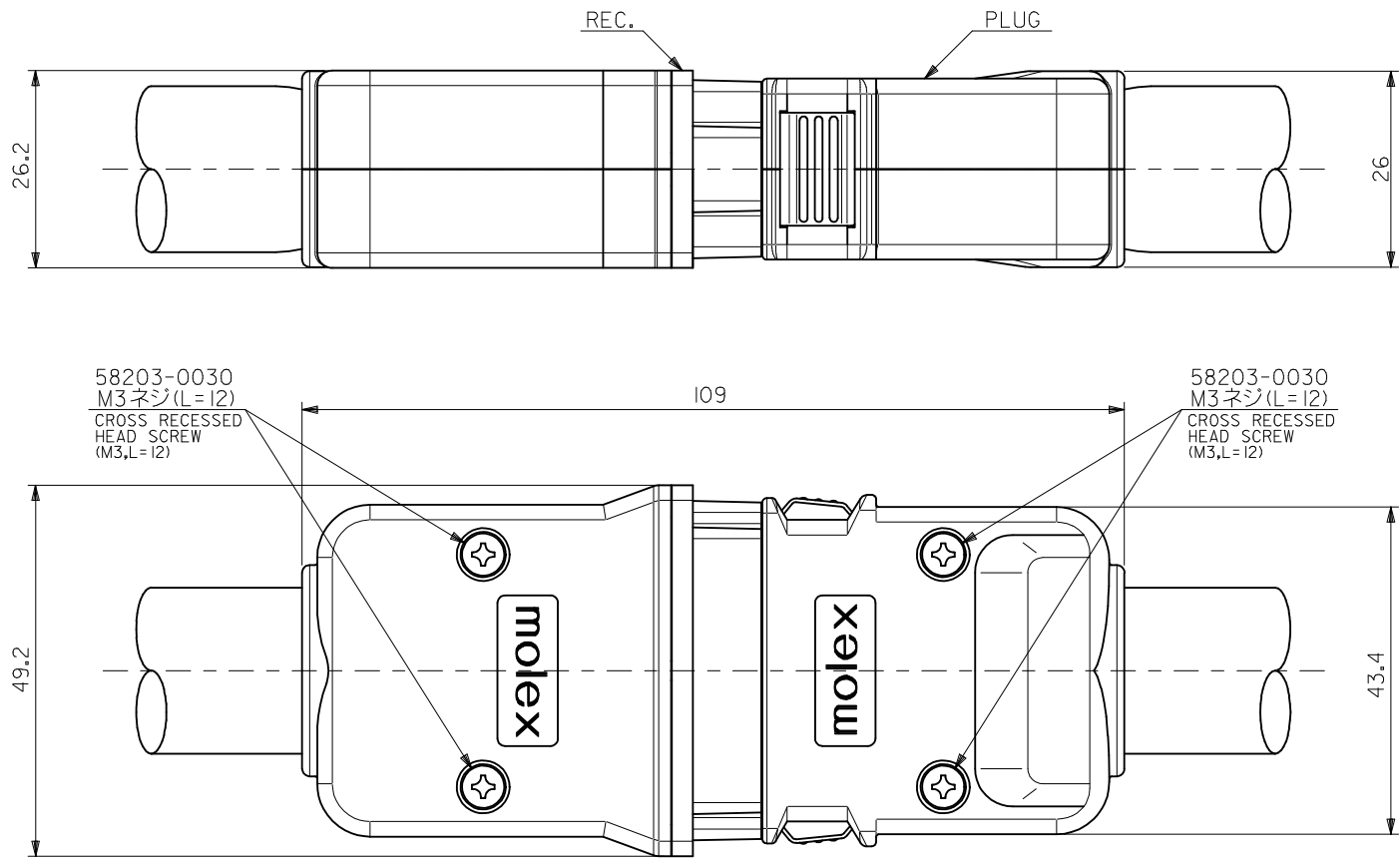
REVISED EC NO: J2009-1234 DRWN: YOSHIDA 2008/12/15 CHKD: THARUYAMA 2008/12/15 APPR: NUKITA 2008/12/16	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY S. AKIYAMA	DATE '02/01/21	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y				
		10 OVER 30 UNDER	±0.25	CHECKED BY J. MIYAZAWA	DATE '02/01/21					
		30 OVER	±0.3	APPROVED BY Y. ITO	DATE '02/01/21	MOLEX INCORPORATED				
		ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-51238-015		1 OF 4			
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



嵌合図

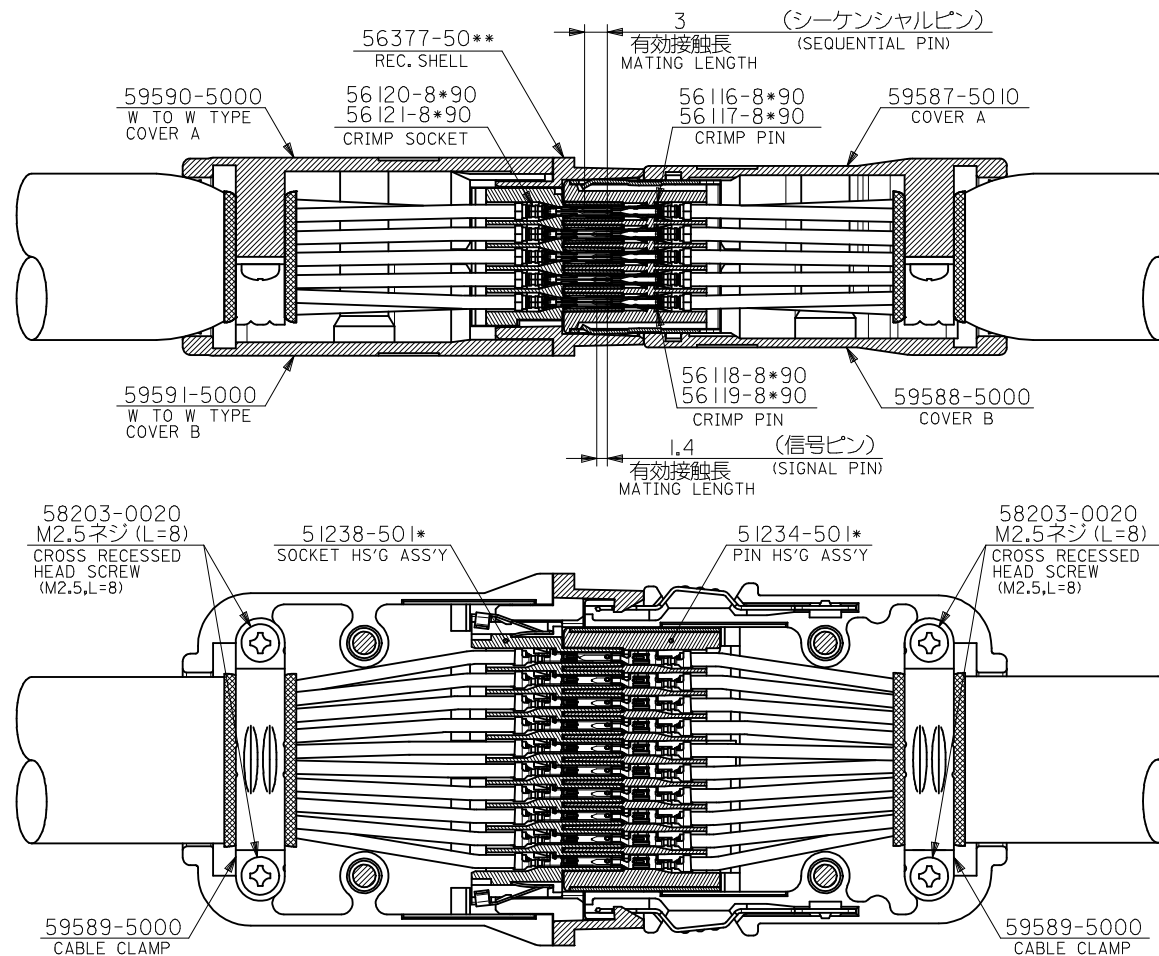
CROSS-SECTION VIEW OF MATED CONNECTOR

REVISED EC NO: J2009-1234 DRAWN: YOSHIDAM CHKD: THARUYAMA APPR: NUKIITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY A. SHIMOTSU	DATE '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y			
		10 OVER 30 UNDER	± 0.25	CHECKED BY J. MIYAZAWA	DATE '02/01/29				
		30 OVER	± 0.3	APPROVED BY Y. ITO	DATE '02/01/29				
		ANGULAR ±3 °		MATERIAL NO. SEE SHEET1		DOCUMENT NO. SD-51238-015		SHEET NO. 2 OF 4	
	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					



嵌合図 (中継タイプ)
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

REVISED EC NO.: J2009-1234 DRWN: YOSHIDA 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 S. AKIYAMA	DATE '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y				
		10 OVER 30 UNDER	±0.25	CHECKED BY J. MIYAZAWA	DATE '02/02/04					
		30 OVER	±0.3	APPROVED BY Y. ITO	DATE '02/02/04					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET1		SD-51238-015		3 OF 4			
C	REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



嵌合図 (中継タイプ)
CROSS-SECTION VIEW OF MATED CONNECTOR
(WIRE TO WIRE TYPE)

REVISED EC NO: J2009-1234 DRWN:YOSHIDAM 2008/12/15 CHKD:THARUYAWA 2008/12/15 APPR:NUKITA 2008/12/16	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY S. AKIYAMA	DATE '02/01/29	TITLE COMPACT ROBOT CONN. 50CKT. REC. SOCKET HS'G ASS'Y		
		10 OVER 30 UNDER	± 0.25	CHECKED BY J. MIYAZAWA	DATE '02/02/04			
		30 OVER	± 0.3	APPROVED BY Y. ITO	DATE '02/02/04			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET1		SD-51238-015		
	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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.