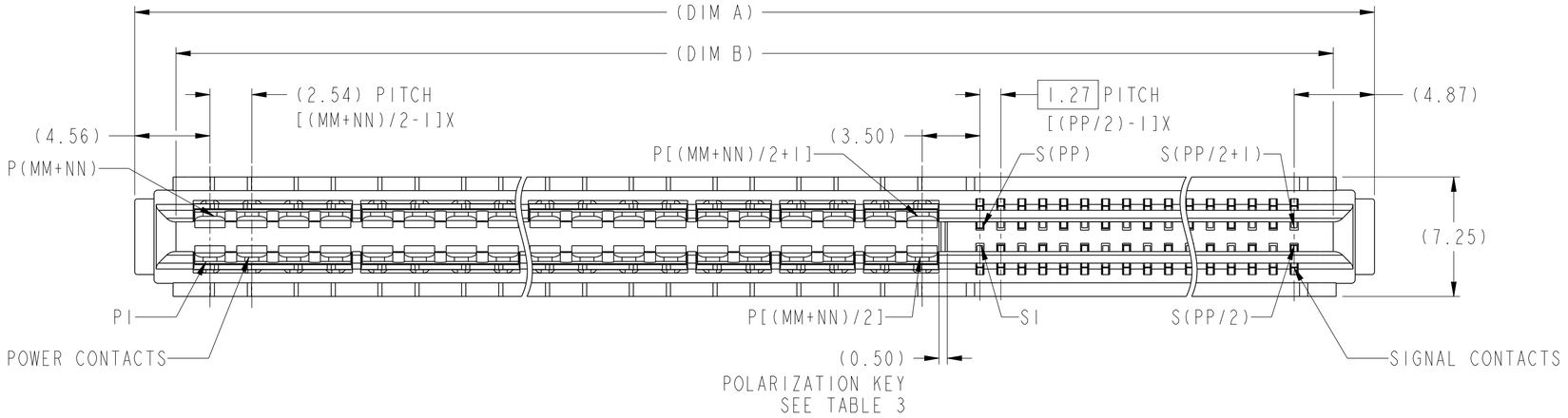
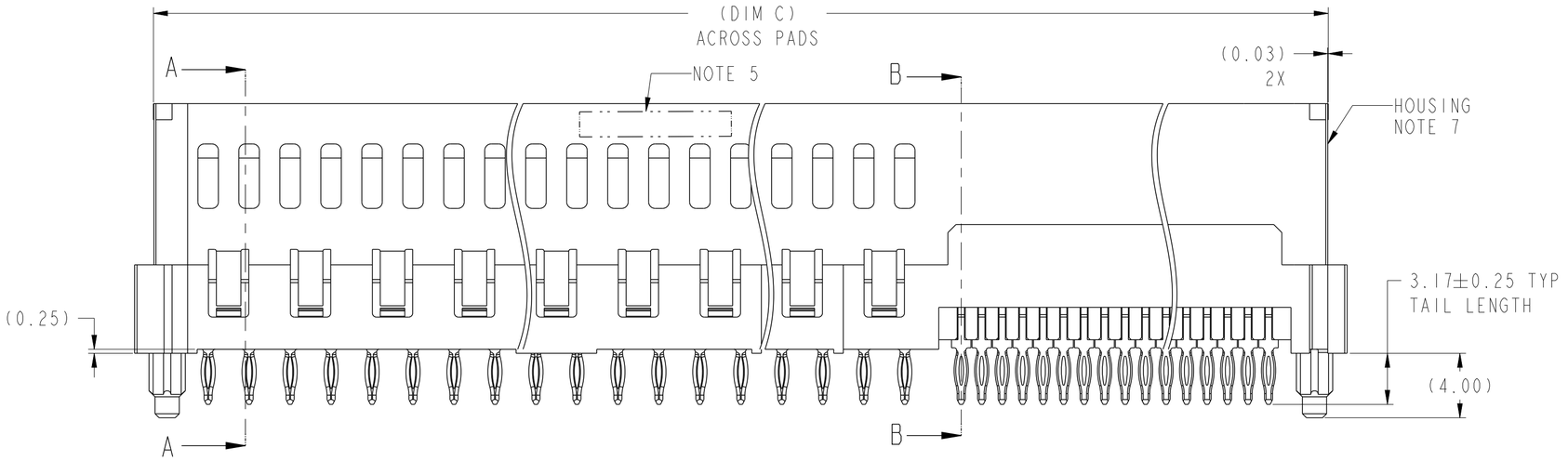
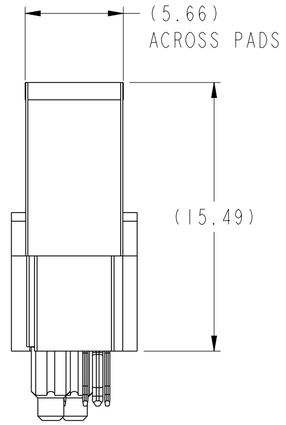
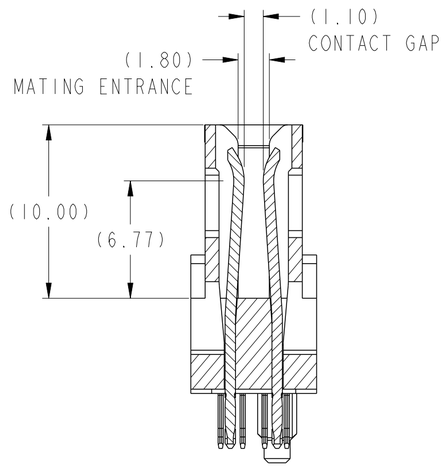
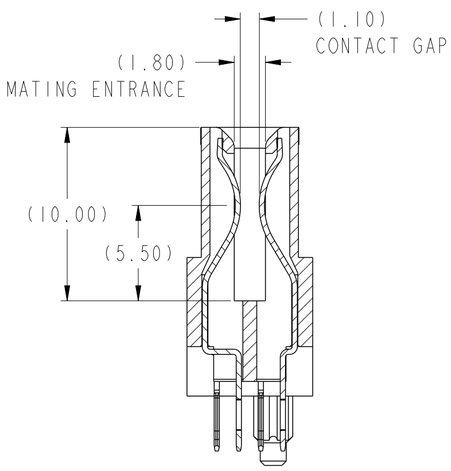








SECTION A-A
SCALE 4:1



SECTION B-B
SCALE 4:1

spec ref	-			dr	Wei-Long Zhang	2012/07/05	projection	MM	size A2	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05				
				chr	Terris Liu	2016/05/20			ecn no	ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level	Released
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title	STD VERT REC UNIVERSAL HIGH POWER CARD EDGE			dwg no	10121506	rev C
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 1 of 4	

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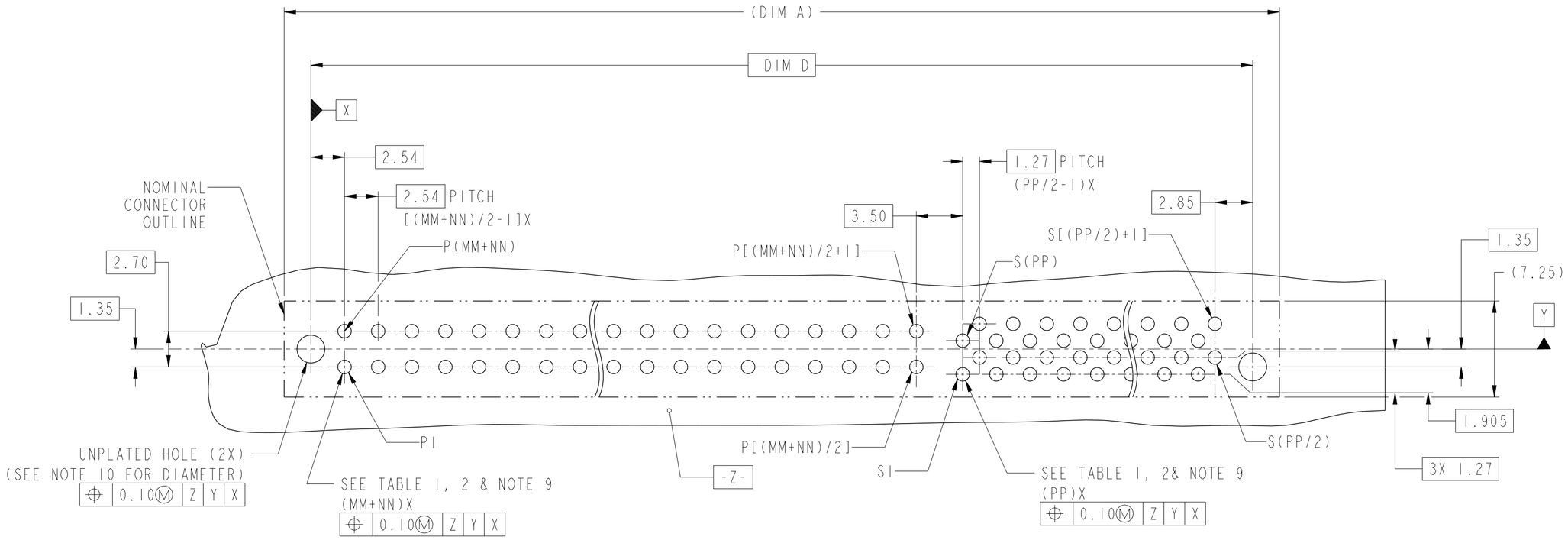
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



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spec ref	-			dr	Wei-Long Zhang	2012/07/05	projection: MM
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05	size: A2
ISO 406 ISO 1101				chr	Terris Liu	2016/05/20	scale: 1:1
				appr	Pei-Ming Zheng	2016/05/24	ecn no: ELX-DG-24036-1
surface	linear	0.X	±0.3				product family
ISO 1302		0.XX	±0.10				rel level: Released
		0.XXX	±0.05				
	angular	0°	±2°				

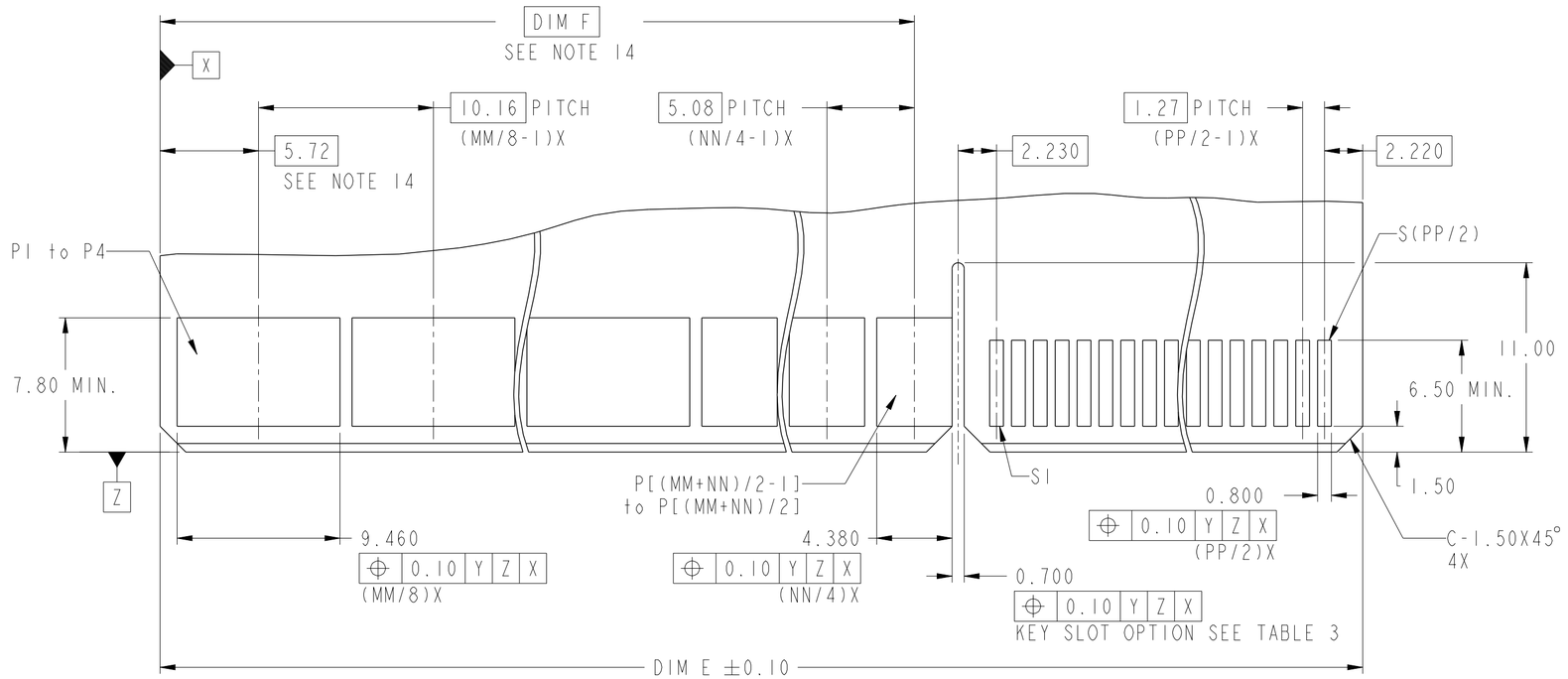
Amphenol FCi

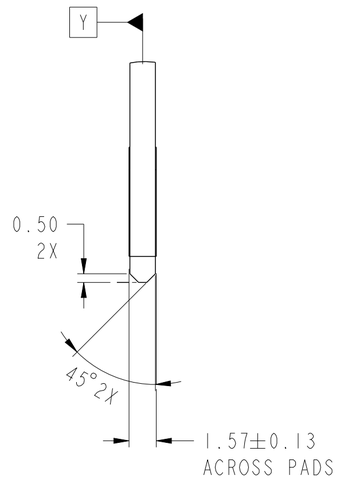
title: STD VERT REC UNIVERSAL HIGH POWER CARD EDGE

dwg no: 10121506

rev: C

cat. no. | Product - Customer Drw | sheet 2 of 4





spec ref	-			dr	Wei-Long Zhang	2012/07/05	projection	MM	size A2 / scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05			
				chr	Terris Liu	2016/05/20			ecn no ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level Released
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title: STD VERT REC UNIVERSAL HIGH POWER CARD EDGE			dwg no 10121506	rev C
		0.XX	±0.10						
		0.XXX	±0.05						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 3 of 4

Amphenol FCi
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10121506 - MM NN PP _ LF

LEAD FREE

	A	B	C	D
Polarization Key Option	Y	Y	N	N
Tail Type Note 12	STB	PF	STB	PF

4 BEAM PWR CONTACT QTY (NEXT TO LEFT END)

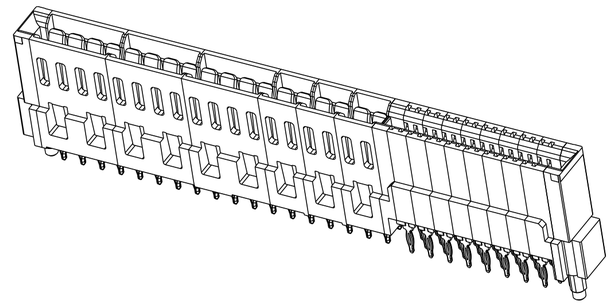
2 BEAM PWR CONTACT QTY (NEXT TO SIGNAL)

SIGNAL CONTACT QTY

Example: The configuration above is 10121506-241232BLF
STD VERT REC 36P32S with polarization key.
24P is 4 beam contact, 12P is 2 beam contact.

TABLE 3. PART NUMBER CODE. HPCE STD VERT REC P+S CONFIG

DIM	TABLE 2. LENGTH FORMULAS.
DIM A (13)	(MM/8)X10.16+ (NN/4)X5.08 + (PP/2)X1.27 + 9.12
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 2.34
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30
DIM F (14)	(MM/8-1)X10.16 + (NN/4-1)X5.08 + 13.34 (WITH 4 BEAM CONTACT)
	3.18 (WITHOUT 4 BEAM CONTACT)



EXAMPLE: 10121506-241232BLF

NOTES:

1. CONNECTOR MATERIALS:
   - HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT
   - CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-604.
4. APPLICATION SPECIFICATION: GS-20-128.
5. (C) PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
10. MOUNTING HOLES ARE UNPLATED
    - ∅ 2.40 +/- 0.1 FOR PRESS-FIT TAILS
    - ∅ 2.18 +/- 0.03 FOR SOLDER TAILS
11. PRESS FIT APPLICATION TOOL DRAWING : 10119453.
12. STB= SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS.
    PF = PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.
13. MAXIMUM OVERALL LENGTH IS 100mm.
14. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.
15. A (C) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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spec ref	-			dr	Wei-Long Zhang	2012/07/05	projection: MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05	size A2 / scale 1:1
				chr	Terris Liu	2016/05/20	ecn no ELX-DG-24036-1
				appr	Pei-Ming Zheng	2016/05/24	product family / rel level Released
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title: STD VERT REC UNIVERSAL HIGH POWER CARD EDGE		dwg no 10121506 / rev C
		0.XX	±0.10				
		0.XXX	±0.05				
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 4 of 4

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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