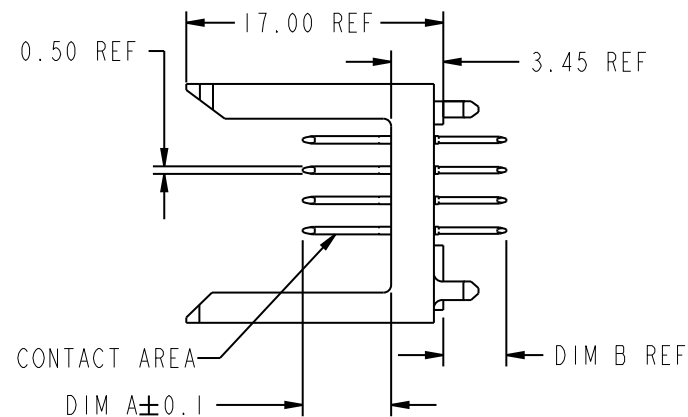
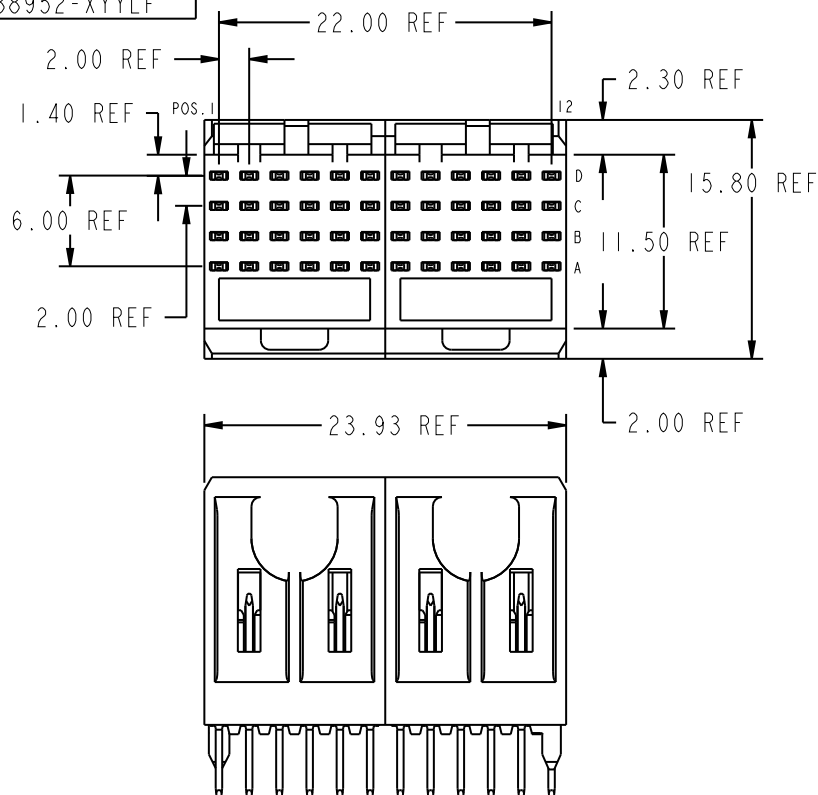




PRODUCT NUMBER
88952-XYX
88952-XYXLF



PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-N1YY	TELCORDIA CO (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-N1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 8
-1YYLF	TELCORDIA CO	SEE NOTE 8
-2YYLF	TELECOM CLASS	SEE NOTE 8
-5YYLF	TELCORDIA UE	SEE NOTE 8

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecm no.	dr	date	linear	0.X ±0.3	COPY	projection	www.fciconnect.com	
T	V06-0569	DCH2	06-06-13	linear	0.XX ±0.13				
U	DG09-0256	TER	2009-08-19	linear	.XXX ±.051				
-	-	-	-	angles	0° ±2°				
N	V21670	TAB	07/18/02	dr	T.BRUNGARD	11/19/99			
P	V03-1059	DAI	09/24/03	enr	M.STRAWER	11/19/99			
R	V05-0193	LP	04/08/05	chr	M.STRAWER	11/19/99			
S	V06-0123	DAI	02/09/06	appd	M.STRAWER	02/29/00			
sheet	revision	U	U	U	U	U	U		
index	sheet	1	2	3	4	5	6		



www.fciconnect.com

title
METRAL SIGNAL HEADER
2 MOD. 4 ROW STB

product family
METRAL
code
213
size
dwg no
88952
sheet
1 of 6

cage code
22526

Pro/E

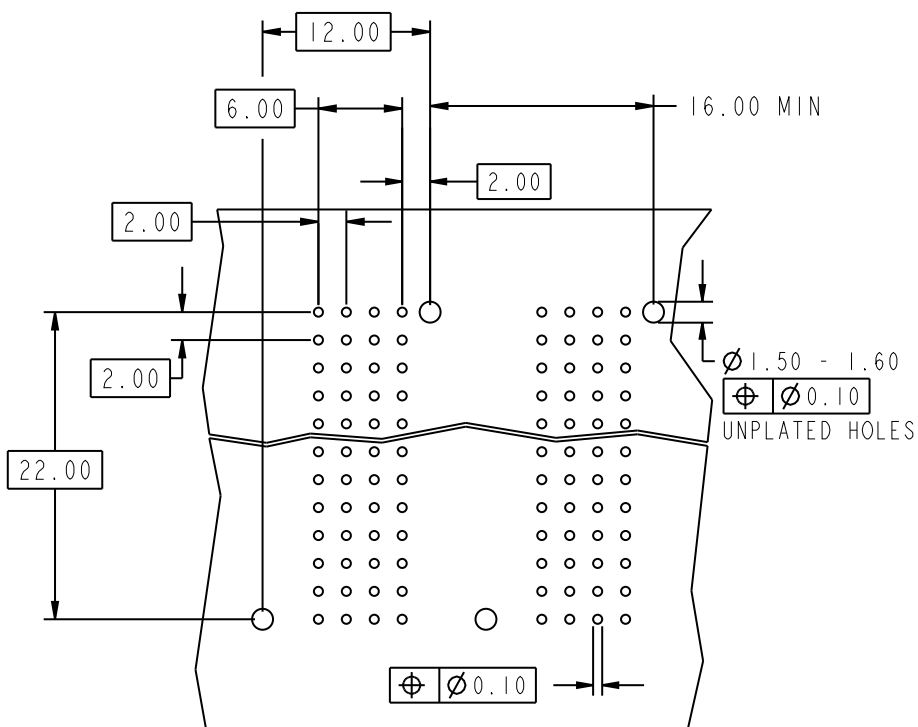
3

4

PDM: Rev:U

STATUS: Released

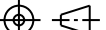
Printed: Nov 30, 2009



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY (SIGNAL STB)		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.25
2	5.75	4.25
3	6.50	4.25
4	7.25	4.25
5	5.00	3.30
6	5.75	3.30
7	6.50	3.30
8	7.25	3.30
9	5.00	2.65
10	5.75	2.65
11	6.50	2.65
12	7.25	2.65
13	8.00	4.25

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection 	COPY	title METRAL SIGNAL HEADER 2 MOD. 4 ROW STB	product family METRAL	code 213
U					0.XX ±0.13					
					.XXX ±.051					
				angles	0° ±2°	 MM	scale 1:1	size A	dwg no 88952	sheet 2
				dr	T.BRUNGARD 11/19/99					
				enr	M.STRAWSE 11/19/99					
				chr	M.STRAWSE 11/19/99					
				appd	M.STRAWSE 02/29/00					
sheet	revision									
index	sheet									

cage code 22526

Pro/E

PDM: Rev:U

STATUS: Released

Printed: Nov 30, 2009



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X01 SEE NOTE 9 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X06 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X11 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X02 SEE NOTE 9 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X07 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X12 SEE NOTE 9 LEAD FREE OPTION	D	4	4	4	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3	3	3
	B	2	2	2	2	2	2	2	2	2	2
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X03 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X08 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X13 SEE NOTE 9 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X04 SEE NOTE 9 LEAD FREE OPTION	D	4	4	4	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X09 SEE NOTE 9 LEAD FREE OPTION	D	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X15 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	1	1	1	1	1	1	1	1	1	1
	B	2	2	2	2	2	2	2	2	2	2
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X05 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X10 SEE NOTE 9 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	2	2	2	2
	B	3	3	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X16 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	3	3	3	3	3	3	3	3	3	3
	B	4	4	4	4	4	4	4	4	4	4
	A	3	3	3	3	3	3	3	3	3	3

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3			projection		title METRAL SIGNAL HEADER 2 MOD. 4 ROW STB	
U					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±2°				product family METRAL	code 213	
				dr	T.BRUNGARD	11/19/99					
				enrg	M.STRAWSE	11/19/99					
				chr	M.STRAWSE	11/19/99					
				appd	M.STRAWSE	02/29/00	scale		1:1	size A	sheet 3
sheet	revision										
index	sheet										

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
88952-X17 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3	3	3	3	3

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mat'l code				--	tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3		projection 	title METRAL SIGNAL HEADER 2 MOD. 4 ROW STB	product family METRAL	code 213
U					0.XX ±0.13					
					.XXX ±.051					
				angles	0° ±2°		 scale 1:1	dwg no 88952	sheet 4	
			dr	T.BRUNGARD 11/19/99						
			enrg	M.STRAWSER 11/19/99						
				chr	M.STRAWSER 11/19/99					
			appd	M.STRAWSER 02/29/00						
sheet index		revision sheet								

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
88952-X61 SEE NOTE 9 LEAD FREE OPTION	D	9	9	9	9	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9	9	9	9	9
	A	9	9	9	9	9	9	9	9	9	9	9	9

[illegible][illegible]

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	
88952-X64 SEE NOTE 9 LEAD FREE OPTION	D	12	12	12	12	12	12	12	12	12	12	12	
	C	11	11	11	11	11	11	11	11	11	11	11	
	B	11	11	11	11	11	11	11	11	11	11	11	
	A	12	12	12	12	12	12	12	12	12	12	12	

[illegible][illegible][illegible][illegible]

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	
88952-X69 SEE NOTE 9 LEAD FREE OPTION	D	12	12	12	12	12	12	12	12	12	12	12	
	C	12	12	12	12	12	12	12	12	12	12	12	
	B	12	12	12	12	12	12	12	12	12	12	12	
	A	12	12	12	12	12	12	12	12	12	12	12	

[illegible][illegible]

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	
88952-X72 SEE NOTE 9 LEAD FREE OPTION	D	12	12	12	12	12	12	12	12	12	12	12	
	C	11	11	11	11	11	11	11	11	11	11	11	
	B	10	10	10	10	10	10	10	10	10	10	10	
	A	9	9	9	9	9	9	9	9	9	9	9	

[illegible]

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com				
lfr	ecn no.	dr	date	linear	0. X ± 0.3	projection		title	METRAL SIGNAL HEADER 2 MOD. 4 ROW STB			
U					0. XX ± 0.13							
					.XXX $\pm .051$							
				angles	0° $\pm 2^\circ$		scale	product family	METRAL		code	
			dr	T.BRUNGARD	11/19/99				size	dwg no	213	
			enrg	M. STRAWSER	11/19/99							
			chr	M. STRAWSER	11/19/99							
				appd	M. STRAWSER	02/29/00		A	88952		sheet 5	
sheet index		revision sheet										



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X75 SEE NOTE 9 LEAD FREE OPTION	D	10	10	10	10	10	10	10	10	10	10
	C	9	9	9	9	9	9	9	9	9	9
	B	10	10	10	10	10	10	10	10	10	10
	A	9	9	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X80 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	4	4	4	4	4	4	4	4	4	4
	B	13	13	13	13	13	13	13	13	13	13
	A	13	13	13	13	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X81 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	13	13	13	13	13	13	13	13	13	13
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X82 SEE NOTE 9 LEAD FREE OPTION	D	13	13	13	13	13	13	13	13	13	13
	C	13	13	13	13	13	13	13	13	13	13
	B	13	13	13	13	13	13	13	13	13	13
	A	13	13	13	13	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X83 SEE NOTE 9 LEAD FREE OPTION	D	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10
	B	11	11	11	11	11	11	11	11	11	11
	A	10	10	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
88952-X84 SEE NOTE 9 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	8	8	8	8	8	8	8	8	8	8
	A	6	6	6	6	6	6	6	6	6	6

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:
PHOSPHOR BRONZE.
- PLATING ON SOLDER TO BOARD:
88952 -XXX IS SnPb
88952-XXYLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"
WILL BE ADDED TO THE END OF THE PART NUMBER.
EXAMPLE: XXXXX-XXXP OR XXXXX-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-074
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 88952-X0ILF
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		title	
U				linear	0.XX ±0.13	projection		METRAL SIGNAL HEADER	
				angles	.XXX ±.051	MM		2 MOD. 4 ROW STB	
				dr	T.BRUNGARD 11/19/99	scale		product family	
				enrg	M.STRAWSE 11/19/99	1:1		METRAL	
				chr	M.STRAWSE 11/19/99			code	
				appd	M.STRAWSE 02/29/00			213	
sheet		revision				size		sheet	
index		sheet				A		6	
						cage code		22526	
								4	



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.