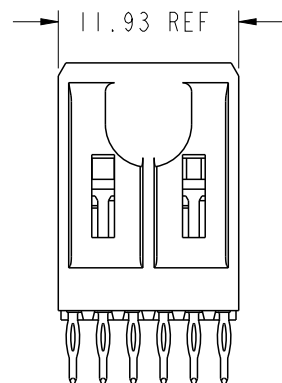
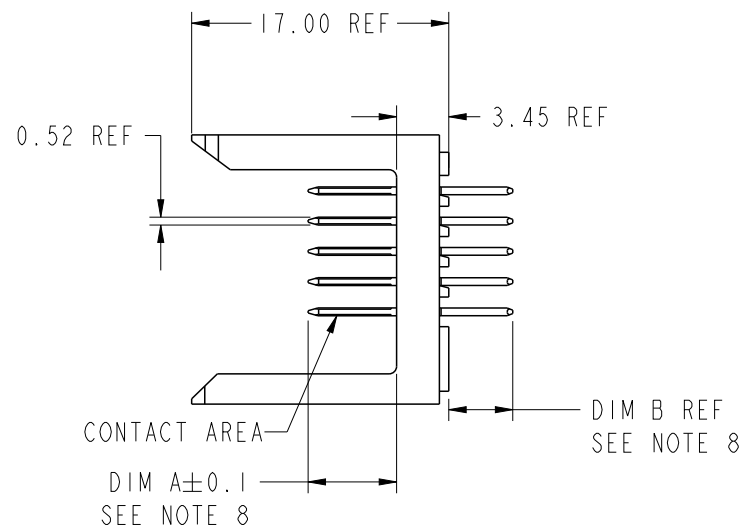
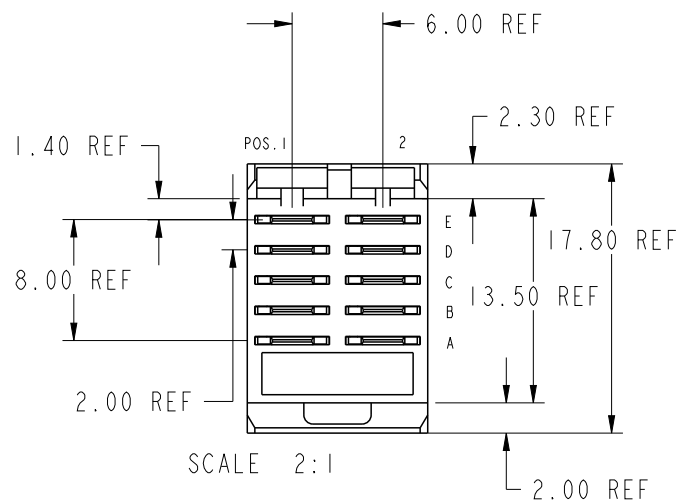


PRODUCT NUMBER
89099-XXX
89099-XXYLF



PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Andy Lu	2013/10/22			ecn no	ELX-DG-16119-1		
ISO 406		chr	Sun Richard	2013/10/24			rel level	Released		
ISO 1101		appr	Pei-Ming Zheng	2013/10/24	product family	METRAL				
surface	3.200 linear				title	METRAL POWER HEADER	dwg no	89099	rev	AW
						I MOD, 5 ROW PRESS-FIT				
ISO 1302	angular				cat. no.	-	Product - Customer Drw	sheet 1 of 6		

Print File - REV C - 2009-06-09

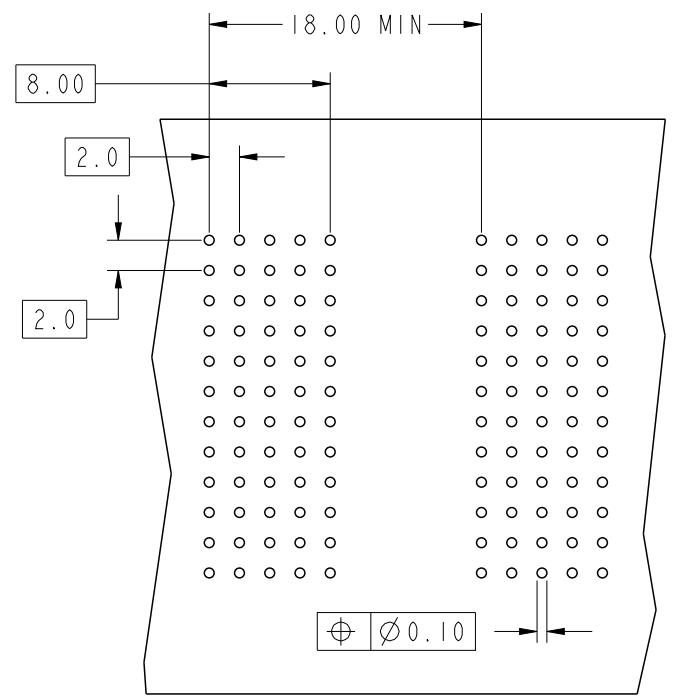
PDS: Rev :AW

STATUS:Released

Printed: Oct 25, 2013



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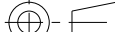


SCALE 2:1

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION.

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
P01	6.50	4.30
P02	7.25	4.30
P03	8.00	4.30
P04	6.50	13.60
P05	7.25	13.60
P06	8.00	13.60
P07	6.50	17.00
P08	7.25	17.00
P09	8.00	17.00
PI6	5.00	4.30
PI7	5.75	4.30

spec ref *				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1		
tolerance std				eng	Andy Lu	2013/10/22			ecn no				ELX-DG-16119-1	
ISO 406 ISO 1101				chr	Sun Richard	2013/10/24			rel level				Released	
				appr	Pei-Ming Zheng	2013/10/24			product family				METRAL	
surface 3.200 linear  ISO 1302		0.X	±0.3		title	METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT				dwg no	89099		rev	AW
		0.XX	±0.13											
		0.XXX	±0.051											
angular		0°	±2°	www.fci.com		cat. no.	-				Product - Customer Drw		sheet 2 of 6	



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1				2				3				4			
METRAL P/N	ROW	CONTACT CODE MOD. I		METRAL P/N	ROW	CONTACT CODE MOD. I		METRAL P/N	ROW	CONTACT CODE MOD. I		METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2			I	2			I	2			I	2
89099-X01 SEE NOTE 10 LEAD FREE OPTION	E	PI6	PI6	89099-X05 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X11 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X15 SEE NOTE 10 LEAD FREE OPTION	E	P02	P02
	D	PI6	PI6		D	P01	P01		D	P02	P02		D	P04	P04
	C	PI6	PI6		C	P02	P02		C	P02	P02		C	P05	P05
	B	PI6	PI6		B	P03	P03		B	P02	P02		B	P06	P06
	A	PI6	PI6		A	P03	P03		A	P01	P01		A	P05	P05
89099-X02 SEE NOTE 10 LEAD FREE OPTION	E	PI6	PI6	89099-X06 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7	89099-X12 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X16 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	PI6	PI6		D	PI7	PI7		D	P01	P01		D	P04	P04
	C	PI6	PI6		C	PI7	PI7		C	P01	P01		C	P04	P04
	B	PI6	PI6		B	PI7	PI7		B	P03	P03		B	P04	P04
	A	P01	P01		A	PI7	PI7		A	P01	P01		A	P04	P04
89099-X03 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7	89099-X07 SEE NOTE 10 LEAD FREE OPTION	E	P02	P02	89099-X13 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X17 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	P01	P01		D	P02	P02		D	P01	P01		D	P04	P04
	C	PI7	PI7		C	P02	P02		C	P02	P02		C	P04	P04
	B	PI7	PI7		B	P02	P02		B	P03	P03		B	P06	P06
	A	P01	P01		A	P02	P02		A	P03	P03		A	P04	P04
89099-X04 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7	89099-X10 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X14 SEE NOTE 10 LEAD FREE OPTION	E	P03	P03	89099-X18 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	PI7	PI7		D	P01	P01		D	P03	P03		D	P01	P01
	C	PI7	PI7		C	P02	P02		C	P03	P03		C	P03	P03
	B	P02	P02		B	P03	P03		B	P03	P03		B	P06	P06
	A	PI7	PI7		A	P02	P02		A	P03	P03		A	P06	P06
89099-X20 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04	89099-X21 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04	89099-X22 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04	89099-X23 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04
	D	P04	P04		D	P04	P04		D	P04	P04		D	P04	P04
	C	P05	P05		C	P04	P04		C	P01	P01		C	P05	P05
	B	P06	P06		B	P04	P04		B	P03	P03		B	P06	P06
	A	P05	P05		A	P04	P04		A	P03	P03		A	P06	P06

spec ref *				dr		Terran Huang		2010/07/08		projection		mm		size		A4		scale		1:1													
tolerance std				eng		Andy Lu		2013/10/22						ecn no		ELX-DG-16119-1																	
ISO 406 ISO 1101				chr		Sun Richard		2013/10/24																									
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Pei-Ming Zheng		2013/10/24		product family				METRAL								rel level				Released							
surface						title				METRAL POWER HEADER				dwg no								89099				rev							
3.2																																	
linear																																	
0.X																														±0.3			
0.XX																														±0.13			
0.XXX																														±0.051			
angular				0°		±2°																											
ISO 1302				www.fci.com		cat. no.				-				Product - Customer Drw								sheet 3 of 6											

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X24	E	P06	P06
SEE NOTE 10 LEAD FREE OPTION	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X28	E	P04	P04
SEE NOTE 10 LEAD FREE OPTION	D	P04	P04
	C	P06	P06
	B	P06	P06
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X33	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P08	P08
	B	P09	P09
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X37	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P07	P07
	B	P07	P07
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X41	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X25	E	P05	P05
SEE NOTE 10 LEAD FREE OPTION	D	P05	P05
	C	P05	P05
	B	P05	P05
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X30	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P08	P08
	B	P09	P09
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X34	E	P09	P09
SEE NOTE 10 LEAD FREE OPTION	D	P09	P09
	C	P09	P09
	B	P09	P09
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X38	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P09	P09
	B	P09	P09
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X42	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X26	E	P04	P04
SEE NOTE 10 LEAD FREE OPTION	D	P04	P04
	C	P05	P05
	B	P05	P05
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X31	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P07	P07
	B	P07	P07
	A	P07	P07

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X35	E	P08	P08
SEE NOTE 10 LEAD FREE OPTION	D	P08	P08
	C	P08	P08
	B	P08	P08
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X39	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X43	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P03	P03
	B	P02	P02
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X27	E	P04	P04
SEE NOTE 10 LEAD FREE OPTION	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X32	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P07	P07
	B	P09	P09
	A	P07	P07

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X36	E	P07	P07
SEE NOTE 10 LEAD FREE OPTION	D	P07	P07
	C	P08	P08
	B	P08	P08
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X40	E	P02	P02
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P02	P02
	B	P01	P01
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X44	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P03	P03
	B	P16	P16
	A	P03	P03

spec ref		*		dr		Terran Huang		2010/07/08		projection				size		A4		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2013/10/22						ecn no		ELX-DG-16119-1					
ISO 406				chr		Sun Richard		2013/10/24						rel level		Released					
ISO 1101				appr		Pei-Ming Zheng		2013/10/24		product family		METRAL									
surface 3.200 linear		0.X		±0.3				title		METRAL POWER HEADER		dwg no		89099		rev		AW			
		0.XX		±0.13																	
		0.XXX		±0.051																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 6					



METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X61 SEE NOTE 10 LEAD FREE OPTION	E	P03	P03
	D	P03	P03
	C	P02	P02
	B	P01	P01
	A	P01	P01

A

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X62 SEE NOTE 10 LEAD FREE OPTION	E	P06	P06
	D	P05	P05
	C	P05	P05
	B	P06	P06
	A	P05	P05

B

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X63 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	P02	P02
	C	P01	P01
	B	P02	P02
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. 1	
		1	2
89099-X64 SEE NOTE 10 LEAD FREE OPTION	E	P02	P02
	D	P02	P02
	C	P01	P01
	B	P03	P03
	A	P01	P01

C

spec ref		*		dr		Terran Huang		2010/07/08		projection				size		A4		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2013/10/22						ecn no		ELX-DG-16119-1					
ISO 406				chr		Sun Richard		2013/10/24						rel level		Released					
ISO 1101				appr		Pei-Ming Zheng		2013/10/24		product family		METRAL									
surface		3/200 linear		0.X		±0.3				title		METRAL POWER HEADER		dwg no		89099		rev		AW	
				0.XX		±0.13															
				0.XXX		±0.051															
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 6					

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X65 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7
	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X66 ----- 89099-X66LF	E	PI7	PI7
	D	PI7	PI7
	C	P02	P02
	B	P02	P02
	A	PI7	PI7

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X67 ----- 89099-X67LF	E	P01	P01
	D	P02	P02
	C	P02	P02
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X68 ----- 89099-X68LF	E	P01	P01
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X69 ----- 89099-X69LF	E	P03	P03
	D	PI6	PI6
	C	PI6	PI6
	B	PI6	PI6
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X70 ----- 89099-X70LF	E	P01	P01
	D	P03	P01
	C	P03	P03
	B	P03	P03
	A	P03	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X71 ----- 89099-X71LF	E	P03	P03
	D	P03	P03
	C	P03	P02
	B	P03	P02
	A	P03	P03

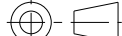
METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X72 ----- 89099-X72LF	E	P01	P01
	D	P02	P02
	C	PI6	PI6
	B	-	-
	A	P02	P02

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 PRESS-FIT TAIL:
89099 -XXX IS SnPb
89099-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-20-075
- AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
- 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: 89099-X0ILF
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR
60 SECONDS IN CONVECTION, INFAR-RED OR VAPOR PHASE
REFLOW OVEN.

spec ref *				dr Terran Huang 2010/07/08		projection 	mm 	size A4	scale 1:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Andy Lu 2013/10/22				ecn no ELX-DG-16119-1		
				chr Sun Richard 2013/10/24				rel level Released		
				appr Pei-Ming Zheng 2013/10/24						
surface 3.200 linear		0.X ±0.3			title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT			dwg no 89099	rev AV	
		0.XX ±0.13								
ISO 1302		0.XXX ±0.051								
angular 0°		±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 6 of 6

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Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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www.lifeelectronics.ru