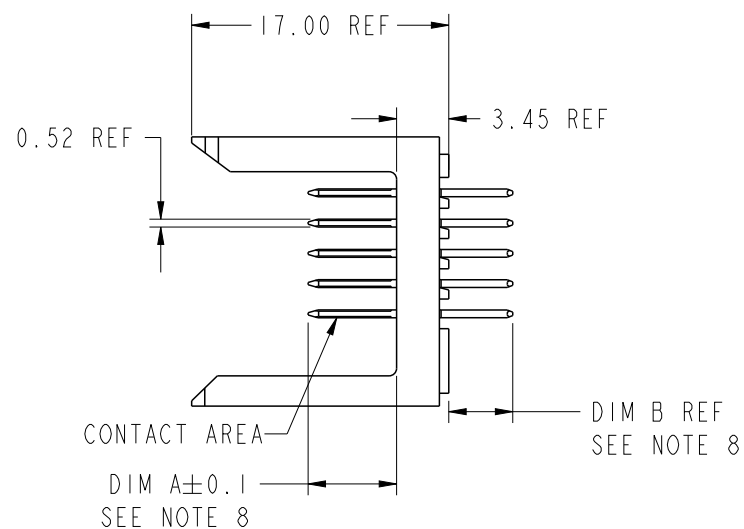
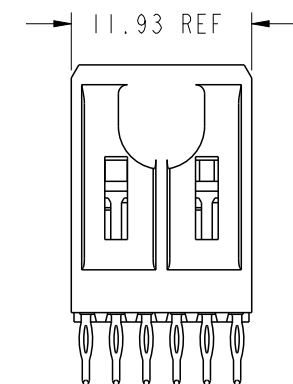
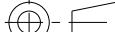


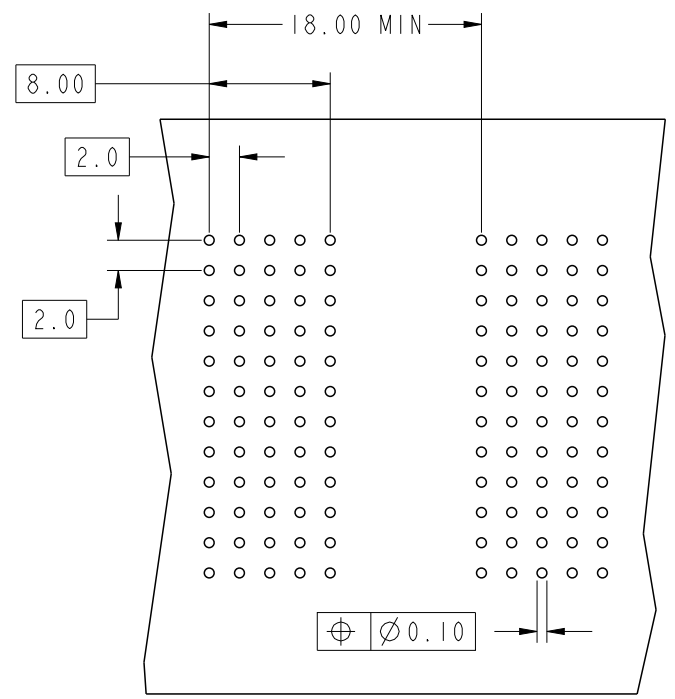


PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

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



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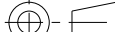


SCALE 2:1

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	P03	P03
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	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2013/10/22					ecn no	ELX-DG-16119-1			
				chr	Sun Richard	2013/10/24									
ISO 406				appr	Pei-Ming Zheng	2013/10/24	product family		METRAL		rel level		Released		
surface	3.200	linear	0.X	±0.3			title		METRAL POWER HEADER		dwg no	89099		rev	
			0.XX	±0.13											
			0.XXX	±0.051											
ISO 1302		angular	0°	±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 6	



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METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X24 SEE NOTE 10 LEAD FREE OPTION E P06 P06 D P06 P06 C P06 P06 B P06 P06 A P06 P06	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X28 SEE NOTE 10 LEAD FREE OPTION E P04 P04 D P04 P04 C P06 P06 B P06 P06 A P06 P06	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X33 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P08 P08 B P09 P09 A P09 P09	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X37 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P07 P07 B P07 P07 A P09 P09	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X41 SEE NOTE 10 LEAD FREE OPTION E P01 P01 D P03 P03 C P03 P03 B P03 P03 A P02 P02
METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X25 SEE NOTE 10 LEAD FREE OPTION E P05 P05 D P05 P05 C P05 P05 B P05 P05 A P05 P05	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X30 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P08 P08 B P09 P09 A P08 P08	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X34 SEE NOTE 10 LEAD FREE OPTION E P09 P09 D P09 P09 C P09 P09 B P09 P09 A P09 P09	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X38 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P09 P09 B P09 P09 A P09 P09	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X42 SEE NOTE 10 LEAD FREE OPTION E P01 P01 D P02 P02 C P02 P02 B P02 P02 A P01 P01
METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X26 SEE NOTE 10 LEAD FREE OPTION E P04 P04 D P04 P04 C P05 P05 B P05 P05 A P06 P06	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X31 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P07 P07 B P07 P07 A P07 P07	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X35 SEE NOTE 10 LEAD FREE OPTION E P08 P08 D P08 P08 C P08 P08 B P08 P08 A P08 P08	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X39 SEE NOTE 10 LEAD FREE OPTION E P03 P03 D P01 P01 C P01 P01 B P01 P01 A P01 P01	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X43 SEE NOTE 10 LEAD FREE OPTION E P03 P03 D P03 P03 C P03 P03 B P02 P02 A P02 P02
METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X27 SEE NOTE 10 LEAD FREE OPTION E P04 P04 D P04 P04 C P04 P04 B P04 P04 A P06 P06	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X32 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P07 P07 B P09 P09 A P07 P07	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X36 SEE NOTE 10 LEAD FREE OPTION E P07 P07 D P07 P07 C P08 P08 B P08 P08 A P09 P09	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X40 SEE NOTE 10 LEAD FREE OPTION E P02 P02 D P01 P01 C P02 P02 B P01 P01 A P02 P02	METRAL P/N ROW CONTACT CODE MOD. I 1 2 89099-X44 SEE NOTE 10 LEAD FREE OPTION E P03 P03 D P03 P03 C P03 P03 B P16 P16 A P03 P03

spec ref *		dr		Terran Huang		2010/07/08		projection		mm		size		A4		scale	
tolerance std		eng		Andy Lu		2013/10/22						ecn no		ELX-DG-16119-1		1:1	
ISO 406		chr		Sun Richard		2013/10/24											
ISO 1101		appr		Pei-Ming Zheng		2013/10/24		product family		METRAL		rel level		Released			
surface		3.2		linear		0.X		±0.3		FCI		title		METRAL POWER HEADER		dwg no	
						0.XX		±0.13								89099	
						0.XXX		±0.051									
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 6	

PrintE File - REV C - 2009-06-09

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PDS: Rev :AW

STATUS:Released

Printed: Oct 25, 2013

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X45	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P02	P02
	C	P17	P17
	B	P17	P17
	A	P17	P17

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X49	E	P02	P02
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-X53	E	P05	P05
SEE NOTE 10 LEAD FREE OPTION	D	P05	P05
	C	P06	P06
	B	P04	P04
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X57	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P03	P03

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

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X46	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P01	P01
	B	P03	P03
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X50	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P03	P03
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X54	E	P02	P02
SEE NOTE 10 LEAD FREE OPTION	D	P02	P02
	C	P03	P03
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X58	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P01	P01
	B	P03	P03
	A	P01	P01

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

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X47	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X51	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P16	P16
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X55	E	P02	P02
SEE NOTE 10 LEAD FREE OPTION	D	P02	P02
	C	P02	P02
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X59	E	P16	P16
SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

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

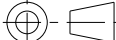
METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X48	E	P04	P04
SEE NOTE 10 LEAD FREE OPTION	D	P04	P04
	C	P06	P06
	B	P04	P04
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X52	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P02	P02
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X56	E	P05	P05
SEE NOTE 10 LEAD FREE OPTION	D	P05	P05
	C	P05	P05
	B	P05	P05
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X60	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P01	P01
	C	P03	P03
	B	P03	P03
	A	P01	P01

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

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	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 ISO 1101				chr	Sun Richard	2013/10/24			rel level			
				appr	Pei-Ming Zheng	2013/10/24	product family		METRAL		Released	
surface	3.200 linear 	0.X	±0.3		title METRAL POWER HEADER			dwg no	89099		rev	
		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	
									AV			



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METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X65 SEE NOTE 10 LEAD FREE OPTION	E	P17	P17
	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	P17	P17
	D	P17	P17
	C	P02	P02
	B	P02	P02
	A	P17	P17

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	P16	P16
	C	P16	P16
	B	P16	P16
	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

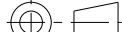
METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X72 ----- 89099-X72LF	E	P01	P01
	D	P02	P02
	C	P16	P16
	B	-	-
	A	P02	P02

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-X01LF
- 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											
				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	AV		
		0.XX	±0.13														
		0.XXX	±0.051														
angular				0°	±2°	www.fci.com		cat. no.		-		Product - Customer Drw				sheet 6 of 6	



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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