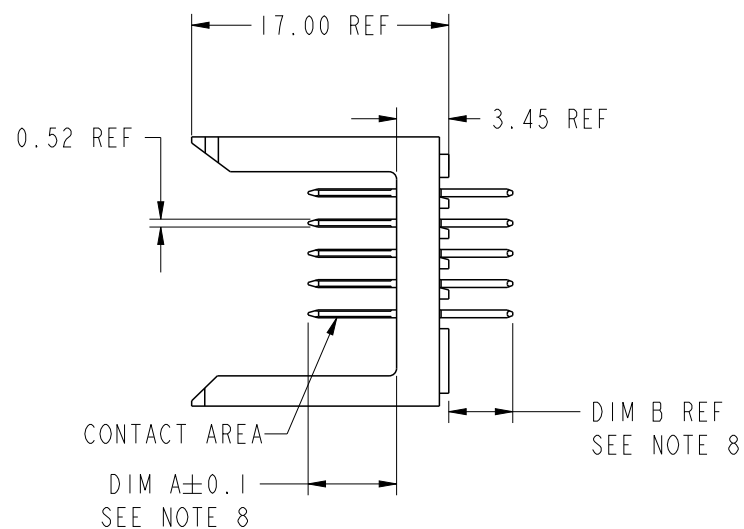
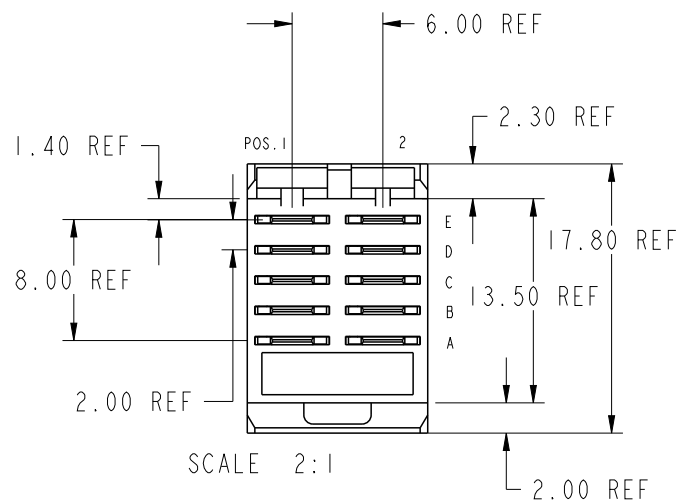
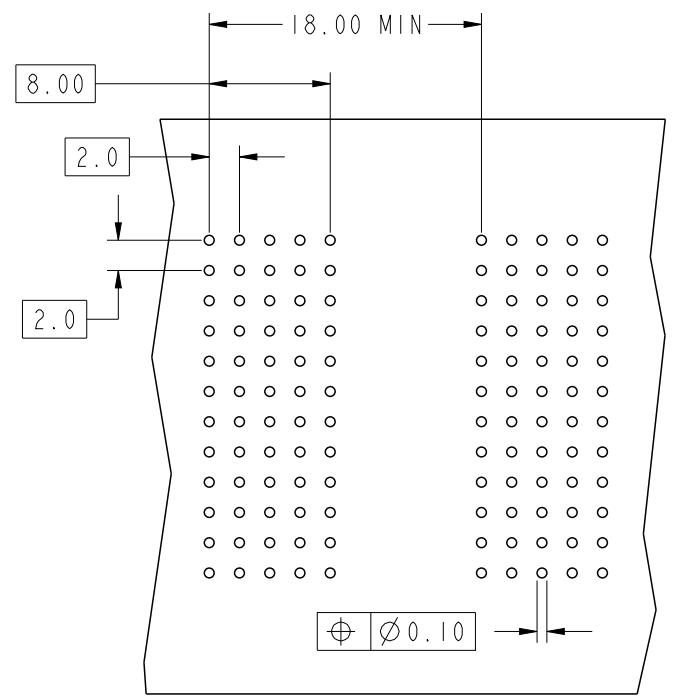
PLATING IN CONTACT AREA

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 		0.X ±0.3	±0.3		title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT		dwg no 89099		rev AV	
		0.XX ±0.13	±0.13							
		0.XXX ±0.051	±0.051							
ISO 1302		angular 0° ±2°	±2°	www.fci.com		cat. no. -		Product - Customer Drw		sheet 1 of 6



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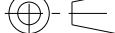


SCALE 2:1

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				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  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°
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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	P01	P01		D	P02	P02
	C	PI6	PI6		C	P02	P02		C	P01	P01		C	P02	P02
	B	PI6	PI6		B	P03	P03		B	P01	P01		B	P02	P02
	A	PI6	PI6		A	P03	P03		A	P01	P01		A	P02	P02
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	P01	P01
	C	PI6	PI6		C	PI7	PI7		C	P01	P01		C	P02	P02
	B	PI6	PI6		B	PI7	PI7		B	P03	P03		B	P02	P02
	A	P01	P01		A	PI7	PI7		A	P01	P01		A	P03	P03
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	P01	P01
	C	PI7	PI7		C	P02	P02		C	P02	P02		C	P01	P01
	B	PI7	PI7		B	P02	P02		B	P03	P03		B	P01	P01
	A	P01	P01		A	P02	P02		A	P03	P03		A	P03	P03
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	P03	P03
	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	P04	P04		C	P05	P05
	B	P06	P06		B	P04	P04		B	P06	P06		B	P06	P06
	A	P05	P05		A	P04	P04		A	P04	P04		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	AW
			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	

Print File - REV C - 2009-06-09

PDS: Rev :AW

STATUS:Released

Printed: Oct 25, 2013

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	
		I	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	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		Released
						appr			Pei-Ming Zheng	2013/10/24	product family		METRAL
surface		3.200 linear 	0.X	±0.3		title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT			dwg no 89099		rev AW		
ISO 1302			0.XX	±0.13									
			0.XXX	±0.051									
angular		0°	±2°	www.fci.com	cat. no.			-	Product - Customer Drw		sheet 4 of 6		

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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	rel level	Released				
ISO 406 ISO 1101				chr	Sun Richard	2013/10/24												
				appr	Pei-Ming Zheng	2013/10/24	product family			METRAL								
surface		3.2	linear		title			METRAL POWER HEADER			dwg no	89099		rev	AW			
																0.X		±0.3
																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	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 Huang2010/07/08		projection		mm		size A4		scale 1:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Andy Lu2013/10/22						ecn no ELX-DG-16119-1			
ISO 406						chr Sun Richard2013/10/24						rel level Released			
ISO 1101						appr Pei-Ming Zheng2013/10/24						product family METRAL			
surface 3.200linear		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													
ISO 1302		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 6 of 6			

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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