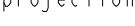


SCALE 2:1

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION.

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



Copyright FCI.

		CONTACT CODE MOD. I		CONTACT CODE MOD. I		CONTACT CODE MOD. I		CONTACT CODE MOD. I		CONTACT CODE MOD. I		CONTACT CODE MOD. I				
		ROW	1	2	ROW	1	2	ROW	1	2	ROW	1	2			
A	METRAL P/N 89099-X01	E	PI6	PI6	METRAL P/N 89099-X05	E	PO1	PO1	E	PO1	PO1	METRAL P/N 89099-X15	E	P02	P02	
	SEE NOTE 10 LEAD FREE OPTION	D	PI6	PI6	SEE NOTE 10 LEAD FREE OPTION	D	PO1	PO1	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P02	P02	
	C	PI6	PI6	C	PO2	PO2	C	PO1	PO1	C	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	C	P05	P05
	B	PI6	PI6	B	PO3	PO3	B	PO1	PO1	B	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	B	P06	P06
	A	PI6	PI6	A	PO3	PO3	A	PO1	PO1	A	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	A	P05	P05
	METRAL P/N 89099-X02	E	PI6	PI6	METRAL P/N 89099-X06	E	P17	P17	E	PO1	PO1	METRAL P/N 89099-X16	E	PO1	PO1	
	SEE NOTE 10 LEAD FREE OPTION	D	PI6	PI6	SEE NOTE 10 LEAD FREE OPTION	D	P17	P17	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P01	P01	
	C	PI6	PI6	C	P17	P17	C	PO1	PO1	C	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	C	P04	P04
	B	PI6	PI6	B	P17	P17	B	PO3	PO3	B	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	B	P04	P04
	A	PO1	PO1	A	P17	P17	A	PO1	PO1	A	PO3	PO3	SEE NOTE 10 LEAD FREE OPTION	A	P04	P04
B	METRAL P/N 89099-X03	E	P17	P17	METRAL P/N 89099-X07	E	P02	P02	E	PO1	PO1	METRAL P/N 89099-X17	E	PO1	PO1	
	SEE NOTE 10 LEAD FREE OPTION	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P02	P02	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P01	P01	
	C	P17	P17	C	P02	P02	C	PO2	P02	C	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	C	P04	P04
	B	P17	P17	B	P02	P02	B	P02	P02	B	PO3	PO3	SEE NOTE 10 LEAD FREE OPTION	B	P06	P06
	A	PO1	PO1	A	P02	P02	A	P02	P02	A	P03	P03	SEE NOTE 10 LEAD FREE OPTION	A	P04	P04
	METRAL P/N 89099-X04	E	P17	P17	METRAL P/N 89099-X10	E	PO1	PO1	E	PO3	P03	METRAL P/N 89099-X18	E	PO1	PO1	
	SEE NOTE 10 LEAD FREE OPTION	D	P17	P17	SEE NOTE 10 LEAD FREE OPTION	D	PO1	PO1	D	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	D	P01	P01	
	C	P17	P17	C	P02	P02	C	PO2	P02	C	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	C	P05	P05
	B	P02	P02	B	P03	P03	B	P03	P03	B	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	B	P06	P06
	A	P17	P17	A	P02	P02	A	P02	P02	A	P03	P03	SEE NOTE 10 LEAD FREE OPTION	A	P06	P06
C	METRAL P/N 89099-X05	E	PO1	PO1	METRAL P/N 89099-X12	E	PO1	PO1	E	PO1	PO1	METRAL P/N 89099-X22	E	PO4	PO4	
	SEE NOTE 10 LEAD FREE OPTION	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P17	P17	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P04	P04	
	C	P01	P01	C	P17	P17	C	PO1	PO1	C	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	C	P04	P04
	B	P01	P01	B	P17	P17	B	PO3	P03	B	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	B	P06	P06
	A	P01	P01	A	P17	P17	A	PO1	PO1	A	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	A	P04	P04
	METRAL P/N 89099-X06	E	P17	P17	METRAL P/N 89099-X13	E	P01	PO1	E	PO1	PO1	METRAL P/N 89099-X23	E	PO4	PO4	
	SEE NOTE 10 LEAD FREE OPTION	D	P17	P17	SEE NOTE 10 LEAD FREE OPTION	D	P02	P02	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P04	P04	
	C	P17	P17	C	P02	P02	C	PO2	P02	C	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	C	P04	P04
	B	P17	P17	B	P02	P02	B	P02	P02	B	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	B	P06	P06
	A	PO1	PO1	A	P02	P02	A	P02	P02	A	P03	P03	SEE NOTE 10 LEAD FREE OPTION	A	P06	P06
D	METRAL P/N 89099-X07	E	P02	P02	METRAL P/N 89099-X14	E	P03	P03	E	PO3	P03	METRAL P/N 89099-X18	E	PO1	PO1	
	SEE NOTE 10 LEAD FREE OPTION	D	PO2	PO2	SEE NOTE 10 LEAD FREE OPTION	D	PO1	PO1	D	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	D	P01	P01	
	C	P02	P02	C	P02	P02	C	PO3	P03	C	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	C	P03	P03
	B	P02	P02	B	P03	P03	B	P03	P03	B	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	B	P03	P03
	A	P02	P02	A	P02	P02	A	P02	P02	A	P03	P03	SEE NOTE 10 LEAD FREE OPTION	A	P03	P03
	METRAL P/N 89099-X10	E	PO1	PO1	METRAL P/N 89099-X15	E	PO1	PO1	E	PO1	PO1	METRAL P/N 89099-X23	E	PO4	PO4	
	SEE NOTE 10 LEAD FREE OPTION	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P17	P17	D	PO1	PO1	SEE NOTE 10 LEAD FREE OPTION	D	P04	P04	
	C	P01	P01	C	P17	P17	C	PO1	PO1	C	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	C	P05	P05
	B	P01	P01	B	P17	P17	B	PO3	P03	B	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	B	P06	P06
	A	P01	P01	A	P17	P17	A	PO1	PO1	A	PO3	P03	SEE NOTE 10 LEAD FREE OPTION	A	P06	P06

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1 : 1
tolerance std	ISO 406 ISO 1101	eng	Andy Lu	2013/10/22			ecn no	ELX-DG-16119-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Sun Richard	2013/10/24	product family	METRAL	rel level	Released		
surface	3.200 linear	appr	Pei-Ming Zheng	2013/10/24	dwg			89099		
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 6		
FCI										rev
METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT										AW



Copyright FCI.

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-X24	E	P06	P06	89099-X28	E	P04	P04	89099-X33	E	P07	P07	89099-X37	E	P07	P07				
SEE NOTE 10 LEAD FREE OPTION	D	P06	P06	SEE NOTE 10 LEAD FREE OPTION	D	P04	P04	SEE NOTE 10 LEAD FREE OPTION	C	P06	P06	SEE NOTE 10 LEAD FREE OPTION	C	P07	P07				
	C	P06	P06		B	P06	P06		B	P08	P08		B	P07	P07				
	B	P06	P06		A	P06	P06		A	P09	P09		A	P07	P07				
	A	P06	P06						A	P09	P09								
89099-X25	E	P05	P05	89099-X30	E	P07	P07	89099-X34	E	P09	P09	89099-X38	E	P07	P07	89099-X42	E	P01	P01
SEE NOTE 10 LEAD FREE OPTION	D	P05	P05	SEE NOTE 10 LEAD FREE OPTION	D	P07	P07	SEE NOTE 10 LEAD FREE OPTION	C	P08	P08	SEE NOTE 10 LEAD FREE OPTION	C	P09	P09	SEE NOTE 10 LEAD FREE OPTION	D	P02	P02
	C	P05	P05		B	P09	P09		B	P09	P09		B	P09	P09		C	P02	P02
	B	P05	P05		A	P08	P08		A	P09	P09		A	P09	P09		A	P01	P01
	A	P05	P05																
89099-X26	E	P04	P04	89099-X31	E	P07	P07	89099-X35	E	P08	P08	89099-X39	E	P03	P03	89099-X43	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P04	P04	SEE NOTE 10 LEAD FREE OPTION	D	P07	P07	SEE NOTE 10 LEAD FREE OPTION	C	P07	P07	SEE NOTE 10 LEAD FREE OPTION	C	P08	P08	SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P05	P05		B	P07	P07		B	P08	P08		B	P01	P01		C	P03	P03
	B	P05	P05		A	P07	P07		A	P08	P08		A	P01	P01		B	P02	P02
	A	P06	P06																
89099-X27	E	P04	P04	89099-X32	E	P07	P07	89099-X36	E	P07	P07	89099-X40	E	P02	P02	89099-X44	E	P03	P03
SEE NOTE 10 LEAD FREE OPTION	D	P04	P04	SEE NOTE 10 LEAD FREE OPTION	D	P07	P07	SEE NOTE 10 LEAD FREE OPTION	C	P07	P07	SEE NOTE 10 LEAD FREE OPTION	C	P08	P08	SEE NOTE 10 LEAD FREE OPTION	D	P03	P03
	C	P04	P04		B	P09	P09		B	P08	P08		B	P01	P01		C	P03	P03
	B	P04	P04		A	P07	P07		A	P09	P09		A	P02	P02		B	P16	P16
	A	P06	P06																
spec ref	*				dr	Terran Huang		2010/07/08		projection	mm		size	A4	scale				
tolerance std	ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu		2013/10/22			mm		ecn no	ELX-DG-16119-1					
surface		3.2	0.00	linear	chr	Sun Richard		2013/10/24		product family	METRAL		rel level	Released					
		0.X	±0.3		appr	Pei-Ming Zheng		2013/10/24			89099		rev						
		0.XX	±0.13			METRAL POWER HEADER		-			89099								
		0.XXX	±0.051			I MOD, 5 ROW PRESS-FIT		Product - Customer Drw			89099								
		angular	0°	±2°		www.fci.com		cat. no.			89099								
Pro/E File : REV C - 2009-06-09																			

A

A

METRAL P/N	CONTACT CODE MOD. I		
	ROW	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	CONTACT CODE MOD. I		
	ROW	1	2
89099-X69 ----- 89099-X69LF	E	P03	P03
	D	P16	P16
	C	P16	P16
	B	P16	P16
	A	P03	P03

B

B

METRAL P/N	CONTACT CODE MOD. I		
	ROW	1	2
89099-X66 ----- 89099-X66LF	E	P17	P17
	D	P17	P17
	C	P02	P02
	B	P02	P02
	A	P17	P17

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

C

C

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

D

D

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale
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	rev		
surface ISO 1302	3.200 linear	0.X	±0.3		METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT	Product - Customer Drw	89099	89099	AW
		0.XX	±0.13						
		0.XXX	±0.051						
		angular	0°	±2°					
 METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT www.fci.com cat. no. - Product - Customer Drw sheet 6 of 6									