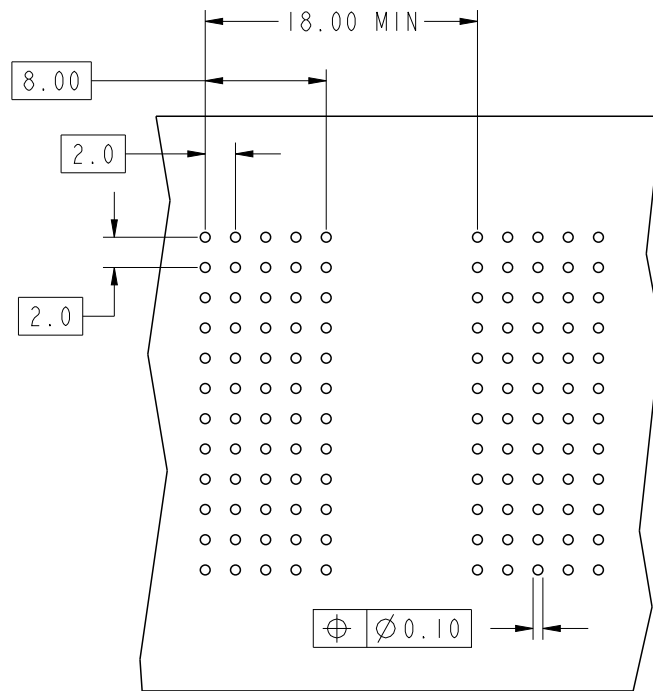
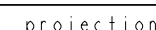
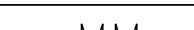


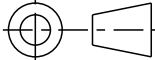


KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
P01	6.50	4.30
P02	7.25	4.30
P03	8.00	4.30
P04	6.50	13.60
P05	7.25	13.60
P06	8.00	13.60
P07	6.50	17.00
P08	7.25	17.00
P09	8.00	17.00
P16	5.00	4.30
P17	5.75	4.30

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
REFER DRAWING 58351 FOR PTH DETAILS

spec ref		*		dr	Terran Huang	2010/07/09			size	A4	scale	2:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41243-1				
ISO 406				chr	-	-			rel level	Released				
ISO 1101				appr	Kuriakose, San	2021/08/13							product family	
surface			linear	0.X	±0.3	Amphenol FCI	title	METRAL POWER HEADER			dwg no	89099	rev	AY
				0.XX	±0.13									
				0.XXX	±0.051									
ISO 1302		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 2 of 6			

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	
		1	2			1	2			1	2			1	2
89099-X01LF	E	PI6	PI6	89099-X05LF	E	P01	P01	89099-X11LF	E	P01	P01	89099-X15LF	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-X02LF	E	PI6	PI6	89099-X06LF	E	PI7	PI7	89099-X12LF	E	P01	P01	89099-X16LF	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-X03LF	E	PI7	PI7	89099-X07LF	E	P02	P02	89099-X13LF	E	P01	P01	89099-X17LF	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-X04LF	E	PI7	PI7	89099-X10LF	E	P01	P01	89099-X14LF	E	P03	P03	89099-X18LF	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-X20LF	E	P04	P04	89099-X21LF	E	P04	P04	89099-X22LF	E	P04	P04	89099-X23LF	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 2010/07/09				size A4	scale 1:1			
tolerance std		eng Rahul Mohan-M 2021/06/17								
ISO 406 ISO 1101		chr -								
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr Kuriakose, San 2021/08/13		product family METRAL		ecn no ELX-I-41243-1				
surface 3.200 linear	0.X	±0.3		title METRAL POWER HEADER I MOD, 5 ROW PRESS-FIT	dwg no 89099	rev AY				
	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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C

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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	
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89099-X24LF	E	P06	P06	89099-X28LF	E	P04	P04	89099-X33LF	E	P07	P07	89099-X37LF	E	P07	P07
	D	P06	P06		D	P04	P04		D	P07	P07		D	P07	P07
	C	P06	P06		C	P06	P06		C	P08	P08		C	P07	P07
	B	P06	P06		B	P06	P06		B	P09	P09		B	P07	P07
	A	P06	P06		A	P06	P06		A	P09	P09		A	P09	P09
89099-X25LF	E	P05	P05	89099-X30LF	E	P07	P07	89099-X34LF	E	P09	P09	89099-X38LF	E	P07	P07
	D	P05	P05		D	P07	P07		D	P09	P09		D	P07	P07
	C	P05	P05		C	P08	P08		C	P09	P09		C	P09	P09
	B	P05	P05		B	P09	P09		B	P09	P09		B	P09	P09
	A	P05	P05		A	P08	P08		A	P09	P09		A	P09	P09
89099-X26LF	E	P04	P04	89099-X31LF	E	P07	P07	89099-X35LF	E	P08	P08	89099-X39LF	E	P03	P03
	D	P04	P04		D	P07	P07		D	P08	P08		D	P01	P01
	C	P05	P05		C	P07	P07		C	P08	P08		C	P01	P01
	B	P05	P05		B	P07	P07		B	P08	P08		B	P01	P01
	A	P06	P06		A	P07	P07		A	P08	P08		A	P01	P01
89099-X27LF	E	P04	P04	89099-X32LF	E	P07	P07	89099-X36LF	E	P07	P07	89099-X40LF	E	P02	P02
	D	P04	P04		D	P07	P07		D	P07	P07		D	P01	P01
	C	P04	P04		C	P07	P07		C	P08	P08		C	P02	P02
	B	P04	P04		B	P09	P09		B	P08	P08		B	P01	P01
	A	P06	P06		A	P07	P07		A	P09	P09		A	P02	P02
89099-X41LF	E	P01	P01	89099-X42LF	E	P01	P01	89099-X43LF	E	P03	P03	89099-X44LF	E	P03	P03
	D	P03	P03		D	P02	P02		D	P03	P03		D	P03	P03
	C	P03	P03		C	P02	P02		C	P03	P03		C	P03	P03
	B	P03	P03		B	P02	P02		B	P02	P02		B	P16	P16
	A	P02	P02		A	P01	P01		A	P02	P02		A	P03	P03
spec ref *				dr Terran Huang				2010/07/09				projection			
tolerance std				eng Rahul Mohan-M				2021/06/17				size A4			
ISO 406				chr -				-				ecn no ELX-I-41243-1			
ISO 1101				appr Kuriakose, San				2021/08/13				product family METRAL			
surface 3.200linear				0.X ±0.3				Amphenol FCI				title METRAL POWER HEADER			
ISO 1302				0.XX ±0.13				www.fci.com				1 MOD, 5 ROW PRESS-FIT			
				0.XXX ±0.051				cat. no. -				Product - Customer Drw			
angular 0° ±2°												rel level Released			
												dwg no 89099			
												rev AY			
												sheet 4 of 6			

				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-X45LF				E	P03	P03	89099-X49LF				E	P02	P02	89099-X53LF				E	P05	P05	89099-X57LF				E	P03	P03	89099-X61LF				E	P03	P03	
				D	P02	P02					D	P03	P03					D	P05	P05					D	P01	P01					D	P03	P03	
				C	P17	P17					C	P03	P03					C	P06	P06					C	P01	P01					C	P02	P02	
				B	P17	P17					B	P03	P03					B	P04	P04					B	P01	P01					B	P01	P01	
				A	P17	P17					A	P02	P02					A	P04	P04					A	P03	P03					A	P01	P01	
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-X46LF				E	P03	P03	89099-X50LF				E	P01	P01	89099-X54LF				E	P02	P02	89099-X58LF				E	P01	P01	89099-X62LF				E	P06	P06	
				D	P03	P03					D	P01	P01					D	P02	P02					D	P03	P03					D	P05	P05	
				C	P01	P01					C	P03	P03					C	P03	P03					C	P01	P01					C	P05	P05	
				B	P03	P03					B	P01	P01					B	P01	P01					B	P03	P03					B	P06	P06	
				A	P01	P01					A	P01	P01					A	P01	P01					A	P01	P01					A	P05	P05	
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-X47LF				E	P01	P01	89099-X51LF				E	P01	P01	89099-X55LF				E	P16	P16	89099-X59LF				E	P01	P01	89099-X63LF				E	P01	P01	
				D	P01	P01					D	P01	P01					D	P02	P02					D	P03	P03					D	P02	P02	
				C	P02	P02					C	P16	P16					C	P02	P02					C	P03	P03					C	P01	P01	
				B	P03	P03					B	P01	P01					B	P03	P03					B	P03	P03					B	P02	P02	
				A	P02	P02					A	P01	P01					A	P03	P03					A	P03	P03					A	P03	P03	
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-X48LF				E	P04	P04	89099-X52LF				E	P03	P03	89099-X56LF				E	P05	P05	89099-X60LF				E	P01	P01	89099-X64LF				E	P02	P02	
				D	P04	P04					D	P02	P02					D	P05	P05					D	P01	P01					D	P02	P02	
				C	P06	P06					C	P03	P03					C	P05	P05					C	P03	P03					C	P01	P01	
				B	P04	P04					B	P03	P03					B	P05	P05					B	P03	P03					B	P03	P03	
				A	P04	P04					A	P03	P03					A	P04	P04					A	P01	P01					A	P01	P01	
spec ref				*				dr				Terran Huang				2010/07/09				projection				size				scale							
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng				Rahul Mohan-M				2021/06/17								A4				1:1							
ISO 406								chr				-				-								ecn no				ELX-I-41243-1							
ISO 1101								appr				Kuriakose, San				2021/08/13				product family				METRAL				rel level				Released			
surface				3.200linear				Amphenol FCI				title				METRAL POWER HEADER				dwg no				89099				rev				AY			
ISO 1302				angular 0° ±0.051				www.fci.com				cat. no.				-				Product - Customer Drw				sheet 5 of 6											

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METRAL P/N				CONTACT CODE MOD. I		METRAL P/N				CONTACT CODE MOD. I		METRAL P/N				CONTACT CODE MOD. I							
ROW		I		2		ROW		I		2		ROW		I		2							
89099-X65LF		E		P17		P17		89099-X69LF		E		P03		P03		89099-X73LF		E		P03		P02	
		D		P03		P03				D		P16		P16				D		P03		P02	
		C		P03		P03				C		P16		P16				C		P03		P03	
		B		P03		P03				B		P16		P16				B		P03		P03	
		A		P03		P03				A		P03		P03				A		P16		P03	

METRAL P/N				CONTACT CODE MOD. I		METRAL P/N				CONTACT CODE MOD. I		METRAL P/N				CONTACT CODE MOD. I							
ROW		I		2		ROW		I		2		ROW		I		2							
89099-X66LF		E		P17		P17		89099-X70LF		E		P01		P01		89099-X74LF		E		P02		P16	
		D		P17		P17				D		P03		P01				D		P02		P02	
		C		P02		P02				C		P03		P03				C		P02		P02	
		B		P02		P02				B		P03		P03				B		P02		P02	
		A		P17		P17				A		P03		P02				A		P02		P02	

METRAL P/N				CONTACT CODE MOD. I		METRAL P/N				CONTACT CODE MOD. I					
ROW		I		2		ROW		I		2					
89099-X67LF		E		P01		P01		89099-X71LF		E		P03		P03	
		D		P02		P02				D		P03		P03	
		C		P02		P02				C		P03		P02	
		B		P03		P03				B		P03		P02	
		A		P03		P03				A		P03		P03	

METRAL P/N				CONTACT CODE MOD. I		METRAL P/N				CONTACT CODE MOD. I					
ROW		I		2		ROW		I		2					
89099-X68LF		E		P01		P01		89099-X72LF		E		P01		P01	
		D		P02		P02				D		P02		P02	
		C		P02		P02				C		P16		P16	
		B		P02		P02				B		-		-	
		A		P03		P03				A		P02		P02	

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.

2. MATERIAL: BODY : LCP UL94-V0
CONTACT: COPPER ALLOY

3. FOR PLATING PERFORMANCE REFER DRAWIGN #10159408

4. 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

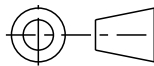
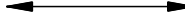
5. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-075

6. AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.

7. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-47-0004.

8. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR
60 SECONDS IN CONVECTION, INFAR-RED OR VAPOR PHASE
REFLOW OVEN.

9. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

spec ref *				dr		Terran Huang		2010/07/09		projection		MM		size		A4		scale		1:1	
tolerance std				eng		Rahul Mohan-M		2021/06/17						ecn no		ELX-I-41243-1					
ISO 406				chr		-		-		product family		METRAL		rel level		Released					
ISO 1101				appr		Kuriakose, San		2021/08/13		dwg no		89099		rev		AY					
surface 3.200 linear				0.X		±0.3		Amphenol FCI		title		METRAL POWER HEADER		cat. no.		-		Product - Customer Drw		sheet 6 of 6	
ISO 1302				0.XX		±0.13		www.fci.com		I MOD, 5 ROW PRESS-FIT											
angular 0°				0.XXX		±0.051															
±0°																					