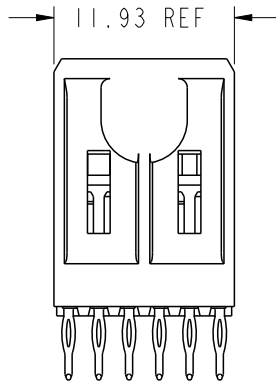
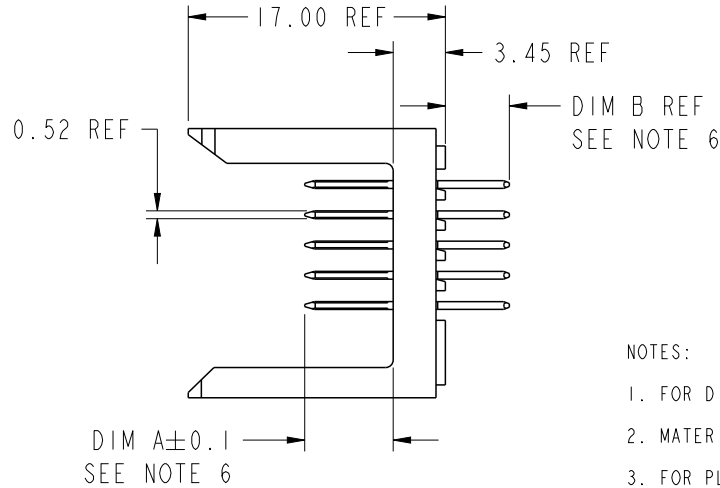
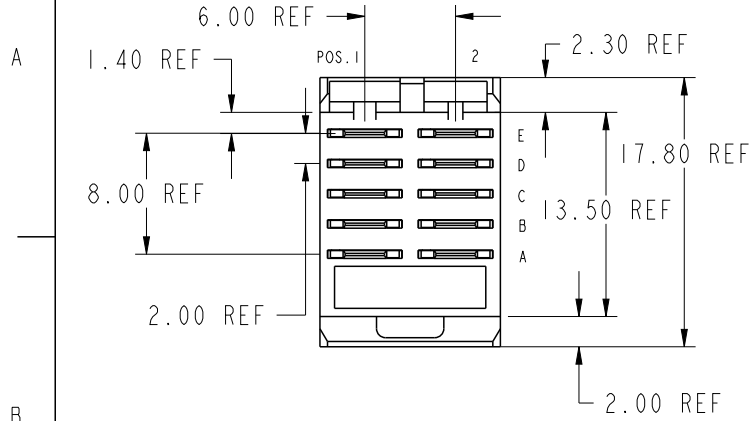


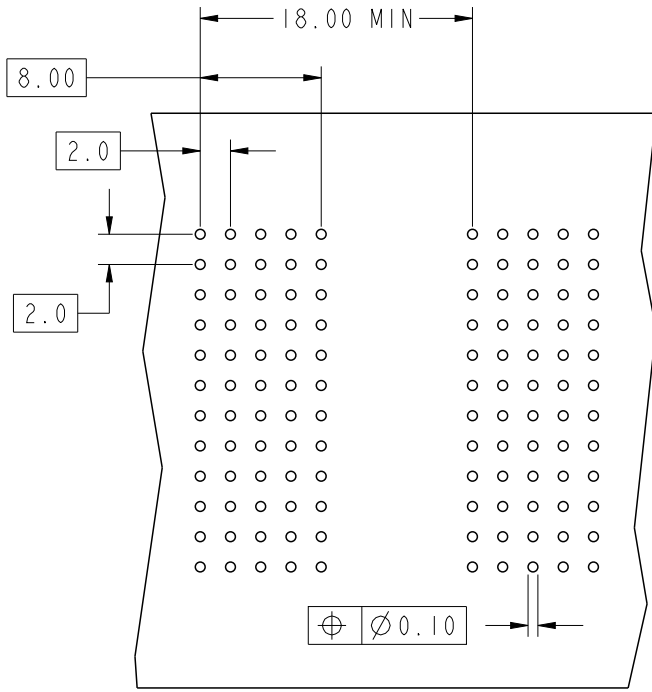
PRODUCT NUMBER  
89099-XYLFL



NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- MATERIAL: BODY : LCP UL94-V0  
CONTACT: COPPER ALLOY
- FOR PLATING PERFORMANCE REFER DRAWIGN #10159408
- 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-XXXXP 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-47-0004.
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN CONVECTION, INFAR-RED OR VAPOR PHASE REFLOW OVEN.
- 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	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2020/11/12			ecn no	ELX-I-37689-1			
ISO 406		chr	-	-				rel level	Released		
ISO 1101		appr	Kuriakose, San	2020/11/16	product family	METRAL			rev		
surface	3.200 linear	Amphenol FCi www.fci.com			METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT			dwg no 89099		rev AX	
	0.X										±0.3
	0.XX										±0.13
	0.XXX	±0.051	cat. no.	-	Product - Customer Drw			sheet 1 of 6			
ISO 1302	angular	0°	±2°								



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

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

spec ref *		dr	Terran Huang	2010/07/09	projection 	mm 	size	A4	scale	2:1		
tolerance std		eng	Narayanan, Aru	2020/11/12			ecn no	ELX-I-37689-1				
ISO 406 ISO 1101		chr	-	-			rel level	Released				
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	Kuriakose, San	2020/11/16	product family		METRAL					
surface	3.200 linear	0.X	±0.3		Amphenol FCi	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 2 of 6		

A

B

C

D

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P16
	D	P16	P16
	C	P16	P16
	B	P16	P16
	A	P16	P16

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

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P01
	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P02
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P04
	D	P04	P04
	C	P05	P05
	B	P06	P06
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P16
	D	P16	P16
	C	P16	P16
	B	P16	P16
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P17
	D	P17	P17
	C	P17	P17
	B	P17	P17
	A	P17	P17

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P01
	D	P01	P01
	C	P01	P01
	B	P03	P03
	A	P01	P01

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

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P04
	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P17
	D	P01	P01
	C	P17	P17
	B	P17	P17
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P02
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02

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

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P01
	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P04
	D	P04	P04
	C	P04	P04
	B	P06	P06
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P17
	D	P17	P17
	C	P17	P17
	B	P02	P02
	A	P17	P17

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

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P03
	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P01
	D	P01	P01
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
		E	P04
	D	P04	P04
	C	P05	P05
	B	P06	P06
	A	P06	P06

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Narayanan, Anu	2020/11/12			ecn no	ELX-I-37689-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-				rel level	Released	
surface	3.200 inear	appr	Kuriakose, San	2020/11/16	product family	METRAL		rev	89099	
	ISO 1302									AX
	angular	0°	±2°							
		0.X	±0.3							
		0.XX	±0.13							
		0.XXX	±0.051							
		cat. no.	-							
		www.fci.com								
		Product - Customer Drw								
		sheet 3 of 6								

A

B

C

D

A

B

C

D

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-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	D	P03	P03	
	C	P06	P06		C	P06	P06		C	P08	P08		C	P07	P07	C	P03	P03	
	B	P06	P06		B	P06	P06		B	P09	P09		B	P07	P07	B	P03	P03	
	A	P06	P06		A	P06	P06		A	P09	P09		A	P09	P09	A	P02	P02	
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	89099-X42LF	E	P01	P01
	C	P05	P05		C	P08	P08		C	P09	P09		C	P09	P09		D	P02	P02
	B	P05	P05		B	P09	P09		B	P09	P09		B	P09	P09		C	P02	P02
	A	P05	P05		A	P08	P08		A	P09	P09		A	P09	P09		B	P02	P02
												A	P01	P01					
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	89099-X43LF	E	P03	P03
	C	P05	P05		C	P07	P07		C	P08	P08		C	P01	P01		D	P03	P03
	B	P05	P05		B	P07	P07		B	P08	P08		B	P01	P01		C	P03	P03
	A	P06	P06		A	P07	P07		A	P08	P08		A	P01	P01		B	P02	P02
												A	P02	P02					
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	89099-X44LF	E	P03	P03
	C	P04	P04		C	P07	P07		C	P08	P08		C	P02	P02		D	P03	P03
	B	P04	P04		B	P09	P09		B	P08	P08		B	P01	P01		C	P03	P03
	A	P06	P06		A	P07	P07		A	P09	P09		A	P02	P02		B	P16	P16
												A	P03	P03					

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2020/11/12			ecn no	ELX-I-37689-1					
ISO 406		chr	-	-				rel level	Released				
ISO 1101		appr	Kuriakose, San	2020/11/16	product family	METRAL							
surface	3.200 linear	0.X	±0.3	<b>Amphenol FCI</b>	METRAL POWER HEADER			dwg no	89099			rev	AX
		0.XX	±0.13		1 MOD, 5 ROW PRESS-FIT								
		0.XXX	±0.051		cat. no.	-	Product - Customer Drw		sheet 4 of 6				
ISO 1302	angular	0°	±2°	www.fci.com									

A

B

C

D

A

B

C

D

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
	D	P02	P02		D	P03	P03		D	P05	P05		D	P01	P01
	C	P17	P17		C	P03	P03		C	P06	P06		C	P01	P01
	B	P17	P17		B	P03	P03		B	P04	P04		B	P01	P01
	A	P17	P17		A	P02	P02		A	P04	P04		A	P03	P03

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Narayanan, Aru	2020/11/12			ecn no		ELX-I-37689-1		
surface	3.200 linear	chr	-	-			rel level		Released		
	ISO 1302	appr	Kuriakose, San	2020/11/16	product family		METRAL		rev	AX	
	angular	0°	±2°	www.fci.com	title		METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT		dwg no		89099
		0.X	±0.3		cat. no.		-		Product - Customer Drw		sheet 5 of 6
		0.XX	±0.13								
		0.XXX	±0.051								

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X65LF	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-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-X73LF	E	P03	P02
	D	P03	P02
	C	P03	P03
	B	P03	P03
	A	P16	P03



METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
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-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-X74LF	E	P02	P16
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02



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

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Narayanan, Aru	2020/11/12			ecn no		ELX-I-37689-1	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			rel level		Released	
surface	3.200 linear	appr	Kuriakose, San	2020/11/16	product family			METRAL		
	ISO 1302				title			METRAL POWER HEADER		rev
					1 MOD, 5 ROW PRESS-FIT			89099		AX
	angular	0°	±2°	0.X	±0.3	0.XX	±0.13	0.XXX	±0.051	cat. no.
										Product - Customer Drw
										sheet 6 of 6