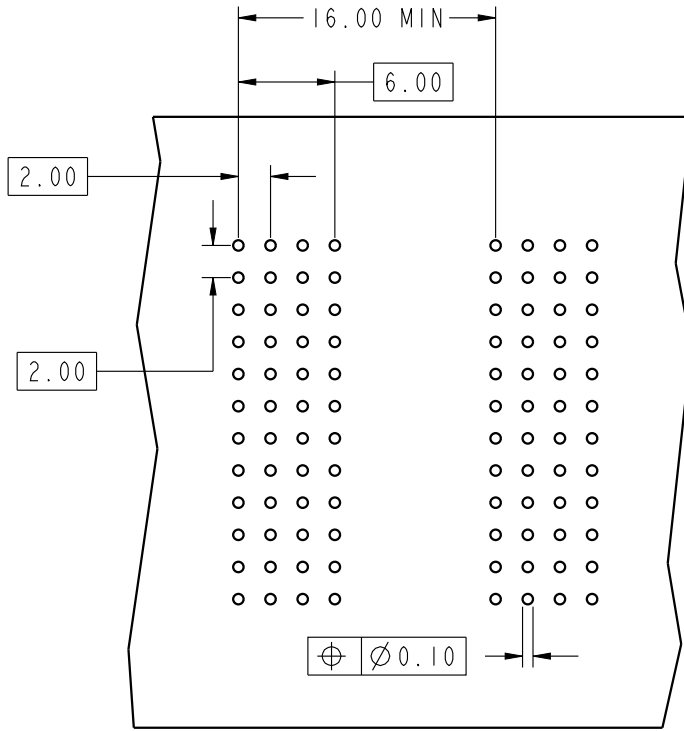


spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	53:50				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/16		$\longleftrightarrow$	ecn no	ELX-I-41695-1						
ISO 406		chr	-	-			rel level	Released						
ISO 1101		appr	Kuriakose, San	2021/08/16	product family	METRAL								
surface	linear		METRAL SIGNAL HEADER			dwg no	70218		rev	CA				
ISO 1302	0.X										$\pm 0.3$	Product - Customer Drw		
	0.XX										$\pm 0.13$			
	0.XXX	$\pm 0.050$	sheet 1 of 7											
	angular	$0^\circ$				$\pm 2^\circ$								
amphenol-icc.com		cat. no.	*	Product - Customer Drw			sheet 1 of 7							

Creo F-114-ELX-MC-AAC, REV F, 2020-12-21



KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00

REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE  
SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

spec ref *		dr	Terran Huang	2010/07/09	projection 	MM ←→	size	A4	scale	213:100	
tolerance std		eng	Rahul Mohan-M	2021/08/16			product family	METRAL	ecn no	ELX-I-41695-1	
ISO 406 ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr				-	rel level	Released	
surface	3.200	appr	Kuriakose, San	2021/08/16	title		METRAL SIGNAL HEADER		rev	CA	
ISO 1302	linear	0.X	±0.3	Amphenol FCi	1 MOD, 4 ROW PRESS-FIT		dwg no	70218		sheet 2 of 7	
		0.XX	±0.13		cat. no.	Product - Customer Drw					
	angular	0°	±2°			amphenol-icc.com	-		STATUS:Released		

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						METRAL P/N	ROW	CONTACT CODE MOD. I													
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6	1	2	3	4	5	6		
70218-X01LF	D	19	19	-	3	-	1	70218-X06LF	D	3	3	3	3	3	3	70218-X11LF	D	1	-	-	-	1	-	70218-X16LF	D	2	-	-	-	2	-	70218-X21LF	D	1	4	4	4	4	19	70218-X26LF	D	2	2	2	2	2	2
	C	19	19	-	3	-	-		C	3	3	3	3	3	3		C	1	-	-	-	1	-		C	2	-	-	-	2	-		C	1	4	4	4	4	19		C	2	2	2	2	2	2
	B	19	19	-	3	-	1		B	4	3	4	4	3	3		B	1	-	-	-	1	-		B	2	-	-	-	2	-		B	3	4	4	4	4	19		B	2	2	2	2	2	1
	A	19	19	-	3	-	1		A	4	3	3	3	3	3		A	1	-	-	-	1	-		A	2	-	-	-	2	-		A	3	4	4	4	4	19		A	2	2	2	2	2	2
70218-X02LF	D	2	2	2	2	2	3	70218-X07LF	D	19	3	3	3	2	1	70218-X12LF	D	13	13	13	13	-	-	70218-X17LF	D	1	1	1	3	3	3	70218-X22LF	D	4	4	4	4	2	2	70218-X27LF	D	12	12	21	21	21	21
	C	2	2	2	2	2	3		C	19	3	3	3	2	1		C	13	13	13	-	-	-		C	13	13	13	13	13	13		C	4	4	4	4	2	2		C	12	12	21	21	21	21
	B	2	2	2	2	2	3		B	19	3	3	3	2	1		B	13	13	13	-	-	13		B	13	13	13	13	13	13		B	4	4	4	4	2	2		B	12	12	21	21	21	21
	A	2	2	2	2	2	3		A	19	3	3	3	2	1		A	13	13	13	-	-	13		A	13	13	13	13	13	13		A	4	4	4	4	2	2		A	12	12	21	21	21	21
70218-X03LF	D	3	3	3	3	3	3	70218-X08LF	D	19	3	3	3	3	3	70218-X13LF	D	14	14	14	14	-	-	70218-X18LF	D	2	2	2	2	2	2	70218-X23LF	D	2	2	4	4	4	4	70218-X28LF	D	9	12	12	12	12	21
	C	3	3	3	3	3	3		C	19	3	3	3	3	3		C	14	14	14	-	-	-		C	2	2	2	2	2	2		C	2	2	4	4	4	4		C	9	12	12	12	12	21
	B	3	3	4	4	3	3		B	19	3	3	3	3	3		B	14	14	14	-	-	14		B	2	2	1	2	2	2		B	2	2	4	4	4	4		B	11	12	12	12	12	21
	A	3	3	3	3	3	3		A	19	3	3	3	3	3		A	14	14	14	-	-	14		A	2	2	2	2	2	2		A	2	2	4	4	4	4		A	11	12	12	12	12	21
70218-X04LF	D	3	3	3	3	3	3	70218-X09LF	D	3	3	19	4	3	3	70218-X14LF	D	19	19	19	19	-	-	70218-X19LF	D	3	3	3	3	3	3	70218-X24LF	D	1	1	2	2	1	1	70218-X29LF	D	1	2	2	2	2	1
	C	3	3	4	4	3	3		C	3	3	19	4	3	3		C	19	19	-	-	-	C		3	3	3	3	3	3	C		1	1	2	1	1	1	C		2	2	2	2	2	2	
	B	3	3	3	3	3	3		B	3	3	19	4	3	3		B	19	19	-	-	19	B		3	3	1	3	3	3	B		1	1	2	1	1	1	B		2	2	2	2	2	2	
	A	3	3	3	3	3	3		A	3	3	19	4	3	3		A	19	19	-	-	19	A		3	3	3	3	3	3	A		1	1	2	1	1	1	A		2	2	2	2	2	2	
70218-X05LF	D	3	3	3	3	3	3	70218-X10LF	D	19	19	-	3	-	1	70218-X15LF	D	20	20	20	20	-	-	70218-X20LF	D	4	4	19	19	19	19	70218-X25LF	D	2	-	2	2	-	-	70218-X30LF	D	-	-	-	-	-	-
	C	3	3	4	4	3	3		C	19	19	-	3	-	1		C	20	20	20	-	-	-		C	4	4	19	19	19	19		C	2	-	-	-	-	-		C	1	1	1	1	1	3
	B	4	3	3	3	3	3		B	19	19	-	3	-	1		B	20	20	20	-	-	20		B	4	4	19	19	19	19		B	-	-	-	-	2	-		B	1	1	1	1	1	3
	A	4	3	3	3	3	3		A	19	19	-	3	-	1		A	20	20	20	-	-	20		A	4	4	19	19	19	19		A	2	2	-	-	2	-		A	1	1	1	1	1	3

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	53:50
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/08/16			ecn no	ELX-I-41695-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-				rel level	Released	
surface	3.200	appr	Kuriakose, San	2021/08/16	product family		METRAL		rev	CA
linear	0.X ±0.3 0.XX ±0.13 0.XXX ±0.050	Amphenol FCI		METRAL SIGNAL HEADER			70218		70218	
angular	0° ±2°	amphenol-icc.com		1 MOD, 4 ROW PRESS-FIT			Product - Customer Drw		sheet 3 of 7	

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	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6																
70218-X31LF	D	4	4	3	3	3	3	70218-X36LF	D	5	5	7	5	5	5	70218-X41LF	D	7	6	6	6	6	6	70218-X46LF	D	1	1	1	1	1	1	70218-X51LF	D	3	3	3	3	3	3	70218-X56LF	D	9	9	9	9	9	9
	C	4	4	3	3	3	3		C	5	5	7	5	5	5		C	7	6	6	6	6	6		C	2	2	2	2	2	2		C	3	3	3	3	3	3		C	9	9	9	9	9	9
	B	4	4	3	3	3	3		B	5	5	5	5	5	7		B	7	6	6	6	6	6		B	2	2	3	3	2	4		B	3	3	3	3	3	3		B	9	9	9	9	9	21
	A	4	4	3	3	3	3		A	5	5	5	5	5	7		A	7	6	6	6	6	6		A	3	3	3	3	3	3		A	3	3	4	4	3	3		A	9	9	9	9	9	21

spec ref	*	dr	Terran Huang	2010/07/09	projection	size	A4	scale	53:50
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/16		MM	ecn no	ELX-I-41695-1	
ISO 406		chr	-	-				rel level	Released
ISO 1101		appr	Kuriakose, San	2021/08/16	product family	METRAL		rev	CA
surface 3.200	linear	<b>Amphenol FCI</b> METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT cat. no. - Product - Customer Drw			dwg no	70218		sheet 4 of 7	
ISO 1302						angular	0°		±2°

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						METRAL P/N	ROW	CONTACT CODE MOD. I													
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6	1	2	3	4	5	6		
70218-X61LF	D	3	3	3	19	3	3	70218-X66LF	D	7	6	6	6	6	7	70218-X71LF	D	-	3	4	3	-	3	70218-X76LF	D	3	3	3	3	3	3	70218-X81LF	D	6	6	6	6	6	5	70218-X86LF	D	1	1	2	2	2	2
	C	3	3	2	19	2	3		C	7	6	6	6	6	7		C	-	3	4	3	-	-		C	3	3	3	3	3	3		C	6	6	6	6	6	6		C	1	1	2	2	2	2
	B	3	3	3	19	3	3		B	7	6	6	6	6	7		B	-	-	4	-	3	3		B	3	3	3	3	3	3		B	6	6	6	6	6	6		B	1	1	2	2	2	2
	A	3	3	1	19	1	3		A	7	6	6	6	6	7		A	3	-	4	-	3	3		A	3	3	3	3	1	3		A	6	6	6	6	6	6		A	1	1	2	2	2	2

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	53:50
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/08/16			ecn no	ELX-I-41695-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-				rel level	Released	
surface	3.200	appr	Kuriakose, San	2021/08/16	product family		METRAL		rev	CA
linear	0.X ±0.3 0.XX ±0.13 0.XXX ±0.050	<b>Amphenol FCI</b>		METRAL SIGNAL HEADER			dwg no	70218		sheet 5 of 7
angular	0° ±2°	amphenol-icc.com		1 MOD, 4 ROW PRESS-FIT				Product - Customer Drw		

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	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6													
70218-X91LF	D	2	2	2	2	2	70218-X96LF	D	6	6	6	6	6	70218-X101LF	D	2	2	2	2	2	70218-X106LF	D	2	3	2	2	2	19	70218-X111LF	D	7	6	5	5	5	5	70218-X116LF	D	2	2	2	2	2	1
	C	3	3	4	2	2		C	6	6	8	6	6		C	2	2	1	2	1		C	2	3	2	2	2	19		C	7	6	5	5	5	5		C	2	2	2	2	2	2
	B	2	2	2	2	2		B	8	6	6	6	6		B	2	1	2	2	2		B	2	3	2	2	2	19		B	7	6	5	5	5	5		B	1	1	1	1	1	1
	A	2	2	2	2	2		A	7	6	6	6	6		A	2	2	2	2	2		A	2	3	2	2	2	19		A	7	6	5	5	5	5		A	2	2	2	2	2	2

spec ref *		dr <b>Terran Huang</b>		2010/07/09		projection		size		scale					
tolerance std		eng <b>Rahul Mohan-M</b>		2021/08/16						A4		53:50			
ISO 406 ISO 1101		chr -		-						ecn no		ELX-I-41695-1			
surface 3.200		appr <b>Kuriakose, San</b>		2021/08/16		product family		METRAL		rel level		Released			
ISO 1302		linear		0.X ±0.3				<b>METRAL SIGNAL HEADER</b> 1 MOD, 4 ROW PRESS-FIT		dwg no <b>70218</b>		rev <b>CA</b>			
		0.XX ±0.13													
		0.XXX ±0.050													
		angular		0° ±2°		amphenol-icc.com		cat. no.		-		Product - Customer Drw		sheet 6 of 7	

METRAL P/N	ROW	CONTACT CODE MOD. 1					
		1	2	3	4	5	6
70218-X121LF	D	2	2	3	19	1	19
	C	2	2	3	19	2	19
	B	2	2	3	19	19	2
	A	2	2	3	19	19	3

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- MATERIAL : BODY : THERMOPLASTIC U-94-V0.  
: CONTACT : COPPER ALLOY.
- FOR PLATING PERFORMANCE REFER DRAWING # 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-XXXPLF
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- 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 EXCEPT WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. WITHSTAND REFLOW AND Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
- A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CUTRENT DRAWING REVISION.

spec ref *		dr <b>Terran Huang</b>		2010/07/09	projection 	MM 	size A4	scale 53:50			
tolerance std ISO 406 ISO 1101		eng <b>Rahul Mohan-M</b>		2021/08/16			ecn no <b>ELX-I-41695-1</b>				
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -		-			rel level <b>Released</b>				
surface 3.200 ISO 1302		linear	0.X	±0.3	Amphenol FCI	product family METRAL	rel level	rev			
✓	0.XX		±0.13	title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT					cat. no.	Product - Customer Drw	sheet 7 of 7
	0.XXX		±0.050								
angular	0°	±2°	amphenol-icc.com		-	70218	CA				