

A

B

C

D

A

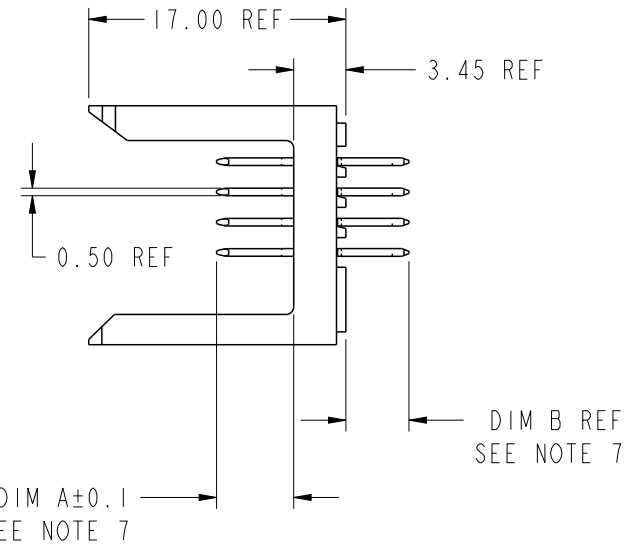
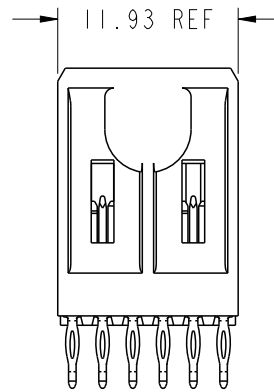
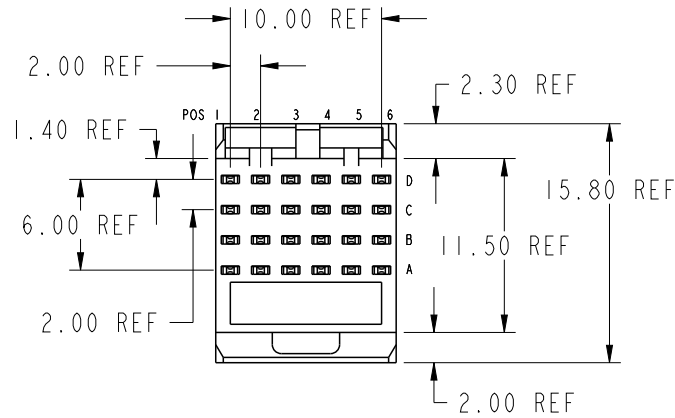
B

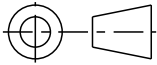
C

D

PRODUCT NUMBER

88921-XXX(L)LF

L REFER LUBRICATD (OPTIONAL) 
SEE NOTE 3X REFER PLATING PERFORMANCE 
SEE NOTE 3

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	2021/06/17			ecn no	ELX-I-41240-1	rel level	Released
ISO 406		chr	-	-						
ISO 1101		appr	Kuriakose, San	2021/08/13	product family	METRAL				
surface 3.200	linear	0.X	±0.3	Amphenol FCI	title	METRAL SIGNAL HEADER	dwg no	88921	rev	AR
		0.XX	±0.13			I MOD, 4 ROW PRESS-FIT				
		0.XXX	±0.050							
ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 1 of 6		

Creo File: ELX-MC-AAC, REV F, 2020-12-21

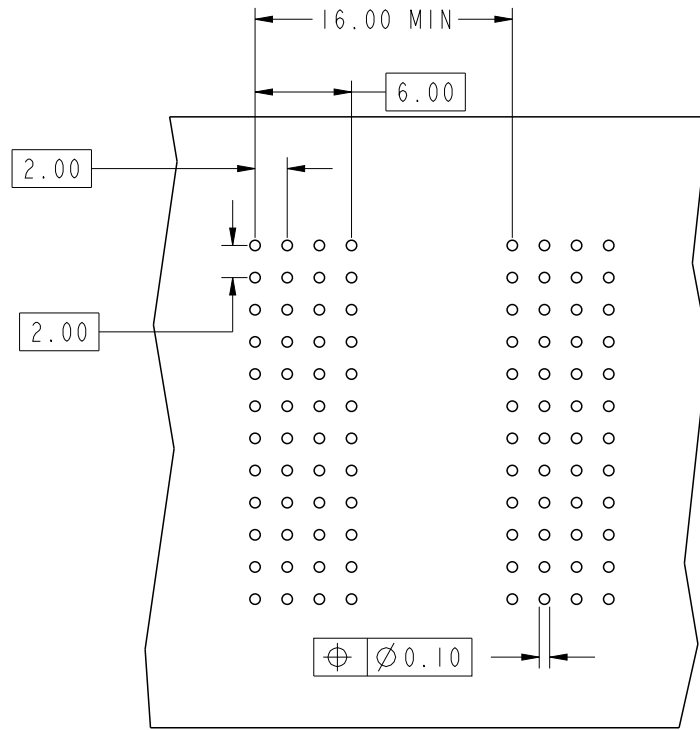
2

3

PDS: Rev :AR

STATUS:Released

Printed: Aug 13, 2021

REQUIRED PC BOARD LAYOUT
COMPONENT SIDESEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
25	5.75	15.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
44	5.75	12.10
45	6.50	12.10
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80
62	7.25	11.80
63	8.00	11.80

spec ref		*		dr	Terran Huang	2010/07/09	projection MM	size	A4	scale	213:100				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/06/17		ecn no	ELX-I-41240-1						
				chr	-	-			rel level	Released					
				appr	Kuriakose, San	2021/08/13				product family		METRAL			
surface	3.200	linear	0.X	±0.3	Amphenol FCI	title	METRAL SIGNAL HEADER				dwg no	88921		rev	AR
		0.XX	±0.13	I MOD, 4 ROW PRESS-FIT											
		0.XXX	±0.050												
	ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw				sheet 2 of 6			

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X01LF	D	-	2	-	2	-
	C	-	2	-	2	-
	B	-	2	-	2	-
	A	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X02LF	D	-	6	-	6	-
	C	-	6	-	6	-
	B	-	6	-	6	-
	A	-	6	-	6	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X03LF	D	3	3	3	3	3
	C	4	4	4	4	4
	B	4	4	4	4	4
	A	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X04LF	D	7	7	7	7	7
	C	8	8	8	8	8
	B	8	8	8	8	8
	A	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X05LF	D	13	2	2	2	2
	C	13	2	2	2	2
	B	13	2	2	2	2
	A	13	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X06LF	D	14	6	6	6	6
	C	14	6	6	6	6
	B	14	6	6	6	6
	A	14	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X07LF	D	15	10	10	10	10
	C	15	10	10	10	10
	B	15	10	10	10	10
	A	15	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X08LF	D	16	2	2	2	2
	C	16	2	2	2	2
	B	16	2	2	2	2
	A	16	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X09LF	D	17	6	6	6	6
	C	17	6	6	6	6
	B	17	6	6	6	6
	A	17	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X10LF	D	18	10	10	10	10
	C	18	10	10	10	10
	B	18	10	10	10	10
	A	18	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X11LF	D	13	16	16	16	13
	C	13	16	16	16	13
	B	13	16	16	16	13
	A	13	16	16	16	13

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X12LF	D	14	17	17	17	14
	C	14	17	17	17	14
	B	14	17	17	17	14
	A	14	17	17	17	14

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X13LF	D	15	18	18	18	15
	C	15	18	18	18	15
	B	15	18	18	18	15
	A	15	18	18	18	15

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X14LF	D	2	2	2	3	2
	C	2	2	2	3	2
	B	2	1	2	3	2
	A	2	2	2	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X15LF	D	4	4	4	4	2
	C	3	3	3	3	3
	B	3	3	3	3	3
	A	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X16LF	D	13	13	13	13	-
	C	13	13	13	13	-
	B	13	13	13	13	-
	A	13	13	13	13	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X17LF	D	25	25	25	25	25
	C	25	25	25	25	25
	B	25	25	25	25	25
	A	25	25	25	25	25

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X18LF	D	3	1	1	1	1
	C	3	1	1	1	1
	B	3	1	1	1	1
	A	3	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X19LF	D	2	2	2	2	2
	C	4	2	4	2	4
	B	2	4	2	4	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X20LF	D	19	3	3	3	19
	C	19	3	3	3	19
	B	19	3	3	3	19
	A	19	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X21LF	D	4	4	4	19	19
	C	4	4	4	19	19
	B	4	4	4	19	19
	A	4	4	4	19	19

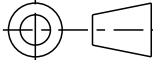
METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X22LF	D	8	8	8	20	20
	C	8	8	8	20	20
	B	8	8	8	20	20
	A	8	8	8	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X23LF	D	4	1	4	1	1
	C	4	1	1	1	1
	B	4	1	1	1	1
	A	4	1	4	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X24LF	D	22	22	22	22	22
	C	44	44	44	44	44
	B	44	44	44	44	44
	A	45	45	45	45	45

METRAL P/N	ROW	CONTACT CODE MOD. I				
		I	2	3	4	5
88921-X25LF	D	3	3	3	3	-
	C	3	3	3	3	-
	B	3	3	3	3	-
	A	-	-	3	3	-

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		2021/06/17						ecn no		ELX-I-41240-1					
ISO 406				chr		-		-						rel level		Released					
ISO 1101				appr		Kuriakose, San		2021/08/13						product family		METRAL					
surface				linear		0.X		±0.3		Amphenol FCI		title		METRAL SIGNAL HEADER		dwg no		88921		rev	
3.200		0.XX		±0.13																	
ISO 1302		0.XXX		±0.050																	
angular		0°		±2°		amphenol-icc.com		cat. no.		-		Product - Customer Drw		sheet 3 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														
88921-X26LF		D	19	-	4	-	3	-	88921-X31LF		D	3	3	3	3	3	1	88921-X36LF		D	-	4	-	4	-	4	88921-X41LF		D	-	62	-	62	-	62	88921-X46LF		D	-	8	-	8	-	8
		C	19	-	4	-	-	19			C	3	3	3	3	3	19			C	4	-	4	-	4	-			C	62	-	62	-	62	-			C	8	-	8	-	8	-
		B	-	19	-	4	-	19			B	3	3	3	3	3	3			B	-	4	-	4	-	4			B	-	62	-	62	-	62			B	-	8	-	8	-	8
		A	-	19	-	4	-	19			A	3	3	3	3	19	19			A	4	-	4	-	4	-			A	62	-	62	-	62	-			A	8	-	8	-	8	
88921-X27LF		D	2	2	2	3	4	19	88921-X32LF		D	6	6	6	6	6	20	88921-X37LF		D	-	19	-	19	-	19	88921-X42LF		D	-	63	-	63	-	63	88921-X47LF		D	-	20	-	20	-	20
		C	2	2	2	3	4	19			C	6	6	6	6	6	20			C	19	-	19	-	19	-			C	63	-	63	-	63	-			C	20	-	20	-	20	-
		B	2	2	2	3	4	19			B	6	6	6	6	6	20			B	-	19	-	19	-	19			B	-	63	-	63	-	63			B	-	20	-	20	-	20
		A	2	2	2	3	4	19			A	6	6	6	6	6	20			A	19	-	19	-	19	-			A	63	-	63	-	63	-			A	20	-	20	-	20	-
88921-X28LF		D	2	2	2	2	2	19	88921-X33LF		D	3	3	3	3	3	1	88921-X38LF		D	-	59	-	59	-	59	88921-X43LF		D	-	5	-	5	-	5	88921-X48LF		D	-	40	-	40	-	40
		C	2	2	2	2	2	19			C	3	3	3	3	3	3			C	59	-	59	-	59	-			C	5	-	5	-	5	-			C	40	-	40	-	40	-
		B	2	2	2	2	2	19			B	3	3	3	3	3	3			B	-	59	-	59	-	59			B	-	5	-	5	-	5			B	-	40	-	40	-	40
		A	2	2	2	2	2	19			A	19	19	19	19	19	19			A	59	-	59	-	59	-			A	5	-	5	-	5	-			A	40	-	40	-	40	-
88921-X29LF		D	3	3	3	3	3	1	88921-X34LF		D	6	6	6	6	6	6	88921-X39LF		D	-	60	-	60	-	60	88921-X44LF		D	-	6	-	6	-	6	88921-X49LF		D	-	25	-	25	-	25
		C	3	3	3	3	3	19			C	6	6	6	6	6	6			C	60	-	60	-	60	-			C	6	-	6	-	6	-			C	25	-	25	-	25	-
		B	3	3	3	3	3	3			B	6	6	6	6	6	6			B	-	60	-	60	-	60			B	-	6	-	6	-	6			B	-	25	-	25	-	25
		A	3	3	3	3	19	19			A	7	7	7	6	6	5			A	60	-	60	-	60	-			A	6	-	6	-	6	-			A	25	-	25	-	25	-
88921-X30LF		D	3	3	3	19	3	3	88921-X35LF		D	-	3	-	3	-	3	88921-X40LF		D	-	61	-	61	-	61	88921-X45LF		D	-	7	-	7	-	7	88921-X50LF		D	-	41	-	41	-	41
		C	3	3	3	3	3	3			C	3	-	3	-	3	-			C	61	-	61	-	61	-			C	7	-	7	-	7	-			C	41	-	41	-	41	-
		B	3	3	3	3	3	3			B	-	3	-	3	-	3			B	-	61	-	61	-	61			B	-	7	-	7	-	7			B	-	41	-	41	-	41
		A	3	3	3	3	3	3			A	3	-	3	-	3	-			A	61	-	61	-	61	-			A	7	-	7	-	7	-			A	41	-	41	-	41	-
spec ref		*								dr		Terran Huang		2010/07/09						size		scale																						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED								eng		Rahul Mohan-M		2021/06/17						ecn no		ELX-I-41240-1																						
ISO 406 ISO 1101										chr		-		-						product family		METRAL		rel level		Released																		
surface		3.200		linear		0.X		±0.3				title		METRAL SIGNAL HEADER		dwg no		88921		rev		AR																						
ISO 1302		angular		0°		±0°		cat. no.																-		Product - Customer Drw		sheet 4 of 6																

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X51LF	D	-	42	-	42	-
	C	42	-	42	-	42
	B	-	42	-	42	-
	A	42	-	42	-	42

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X56LF	D	-	12	-	12	-
	C	12	-	12	-	12
	B	-	12	-	12	-
	A	12	-	12	-	12

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X61LF	D	7	6	6	5	6
	C	7	6	5	5	7
	B	7	6	6	6	6
	A	7	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X66LF	D	-	2	-	2	-
	C	2	-	2	-	2
	B	-	2	-	2	-
	A	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X52LF	D	-	43	-	43	-
	C	43	-	43	-	43
	B	-	43	-	43	-
	A	43	-	43	-	43

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X57LF	D	-	21	-	21	-
	C	21	-	21	-	21
	B	-	21	-	21	-
	A	21	-	21	-	21

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X62LF	D	19	-	4	-	3
	C	19	-	4	-	19
	B	-	19	-	4	-
	A	-	19	-	4	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X67LF	D	2	7	6	7	-
	C	2	7	6	7	-
	B	-	-	7	7	-
	A	2	-	7	7	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X53LF	D	-	9	-	9	-
	C	9	-	9	-	9
	B	-	9	-	9	-
	A	9	-	9	-	9

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X58LF	D	20	6	7	7	7
	C	20	7	7	7	7
	B	20	7	7	7	7
	A	20	7	5	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X63LF	D	11	-	11	-	11
	C	-	11	-	11	-
	B	11	-	11	-	11
	A	-	11	-	11	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X68LF	D	2	3	2	3	-
	C	2	3	2	3	-
	B	-	-	3	3	-
	A	2	-	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X54LF	D	-	10	-	10	-
	C	10	-	10	-	10
	B	-	10	-	10	-
	A	10	-	10	-	10

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X59LF	D	1	1	2	1	1
	C	1	1	2	1	1
	B	1	1	2	1	1
	A	1	1	2	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X64LF	D	3	-	-	2	-
	C	3	-	-	2	-
	B	3	-	-	3	-
	A	3	-	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X55LF	D	-	11	-	11	-
	C	11	-	11	-	11
	B	-	11	-	11	-
	A	11	-	11	-	11

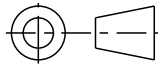
METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X60LF	D	2	2	2	3	2
	C	2	2	2	3	2
	B	2	2	2	3	2
	A	2	2	2	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
88921-X65LF	D	1	1	1	1	2
	C	1	1	1	1	2
	B	1	1	1	1	2
	A	1	1	1	1	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	2021/06/17			ecn no	ELX-I-41240-1		
		chr	-	-			rel level	Released		
		appr	Kuriakose, San	2021/08/13	product family	METRAL				
surface 3.200	linear	0.X	±0.3	Amphenol FCi	title	METRAL SIGNAL HEADER		dwg no	88921	
		0.XX	±0.13							
		0.XXX	±0.050							
ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 5 of 6		rev
										AR

NOTES:

- FOR DIM A, AND B SEE SHEET 2 AND UP.
- MATERIAL : BODY : THERMOPLASTIC UL94-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, 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 BOARD WITH QUALIFIED TOOLING.
- THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- ALL THE PRODUCTS WILL WITHSTAND EXPOSURE TO 260° C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. THE 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 CURRENT REVISION APPLICATION.

spec ref		*		dr	Terran Huang	2010/07/09			size	A4	scale	53:50						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41240-1								
ISO 406				chr	-	-			rel level	Released								
ISO 1101				appr	Kuriakose, San	2021/08/13						product family		METRAL				
surface 3.200		linear	0.X	±0.3		title			METRAL SIGNAL HEADER			dwg no	88921		rev	AR		
ISO 1302			0.XX	±0.13													I MOD, 4 ROW PRESS-FIT	
			0.XXX	±0.050														
ISO 1302		angular	0°	±2°	amphenol-icc.com		cat. no.		-		Product - Customer Drw			sheet 6 of 6				