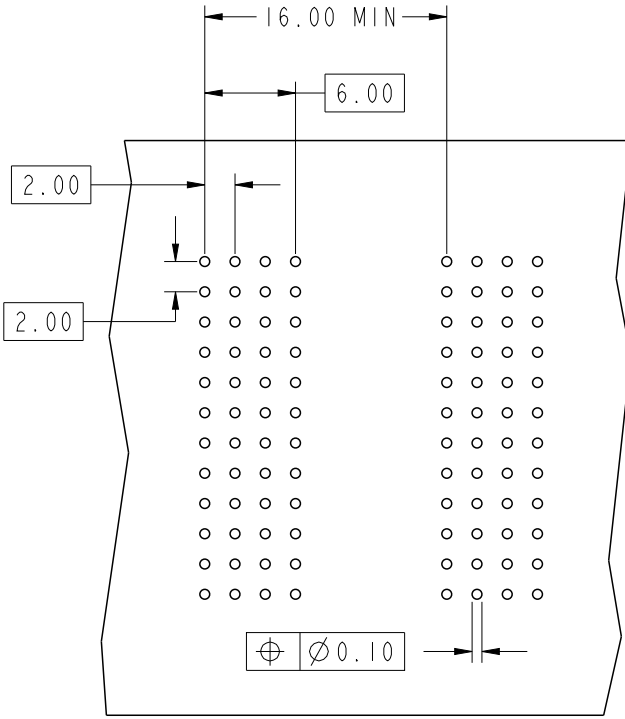


spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	2:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/17			ecn no		ELX-I-41569-1			
ISO 406		chr	-	-			rel level		Released			
ISO 1101		appr	Kuriakose, San	2021/08/17	product family		METRAL					
surface	3.200	 amphenol-icc.com			METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT		dwg no 89074		rev BN			
ISO 1302	linear										0.X	± 0.3
	angular										0°	$\pm 2^\circ$
		cat. no.			-		Product - Customer Drw		sheet 1 of 8			

Creo F:14: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
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
19	8.00	4.30

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	2:1	
tolerance std		eng	Rahul Mohan-M	2021/08/17			ecn no	ELX-I-41569-1			
ISO 406 ISO 1101		chr	-	-				rel level	Released		
surface 3.200 ISO 1302	linear	0.X	±0.3		product family	METRAL		rev	89074	BN	
		0.XX	±0.13			rel level	Released				
		0.XXX	±0.050				cat. no.				Product - Customer Drw
angular	0°	±2°		amphenol-icc.com	Product - Customer Drw		sheet 2 of 8				

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X01LF	D	3	2	1	1	1	1	1	3
	C	3	3	1	1	1	1	1	3
	B	3	2	1	1	1	1	1	3
	A	3	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X06LF	D	7	6	6	6	6	6	6	5
	C	7	6	6	6	6	6	6	5
	B	7	6	6	6	6	6	6	5
	A	7	6	6	6	6	6	6	5

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X11LF	D	3	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X16LF	D	4	2	2	2	2	2	2	2
	C	4	2	2	2	2	2	2	2
	B	4	2	2	2	2	2	2	2
	A	4	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X02LF	D	1	3	1	1	1	1	1	3
	C	1	3	1	1	1	1	1	3
	B	1	3	1	1	1	1	1	3
	A	1	3	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X07LF	D	8	6	6	6	6	6	6	6
	C	8	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6
	A	8	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X12LF	D	3	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X17LF	D	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X03LF	D	3	2	1	1	2	2	2	2
	C	3	2	1	1	2	2	2	2
	B	3	2	1	1	2	2	2	2
	A	3	2	1	1	2	2	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X08LF	D	3	2	3	2	3	3	3	2
	C	3	2	3	2	3	3	3	2
	B	3	2	3	2	3	3	3	2
	A	3	2	3	2	3	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X13LF	D	7	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X18LF	D	3	2	2	2	4	2	2	3
	C	3	2	2	2	4	2	2	3
	B	3	2	2	2	4	2	2	3
	A	3	1	2	2	4	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X04LF	D	3	2	2	2	2	2	2	3
	C	3	2	2	2	2	2	2	3
	B	3	2	2	2	2	2	2	3
	A	3	2	2	2	2	2	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X09LF	D	8	7	7	7	7	7	7	6
	C	8	7	7	7	7	7	7	6
	B	8	7	7	7	7	7	7	6
	A	8	7	7	7	7	7	7	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X14LF	D	7	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X19LF	D	4	2	2	2	2	2	4	3
	C	4	2	2	2	2	2	4	3
	B	4	2	2	2	2	2	4	3
	A	4	2	2	2	2	2	4	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X05LF	D	3	1	1	1	1	1	3	2
	C	3	1	1	1	1	1	3	2
	B	3	1	1	1	1	1	3	2
	A	3	1	1	1	1	1	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X10LF	D	3	2	2	2	2	3	3	2
	C	3	2	2	2	2	3	3	2
	B	3	2	2	2	2	3	3	2
	A	3	2	2	2	2	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X15LF	D	2	2	2	2	2	3	2	2
	C	2	2	2	2	2	3	2	2
	B	2	2	2	2	2	3	2	2
	A	2	2	2	2	2	3	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X20LF	D	8	7	7	7	7	7	7	7
	C	8	7	7	7	7	7	7	7
	B	8	7	7	7	7	7	7	7
	A	8	7	7	7	7	7	7	7

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/08/17			ecn no	ELX-I-41569-1		
surface	3.200	chr	-	-			rel level	Released		
ISO 1302	linear	appr	Kuriakose, San	2021/08/17	product family	METRAL	rev	BN		
	angular			METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT		dwg no	89074	sheet 3 of 8		
	0°			cat. no.	-	Product - Customer Draw				

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X21LF	D	2	2	2	2	3	2	4	2	2	2	2	2
	C	2	2	2	2	3	2	4	2	2	2	2	2
	B	2	2	2	2	3	2	4	2	2	2	2	2
	A	2	2	1	2	3	2	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X26LF	D	3	3	1	3	3	3	3	3	3	3	3	3
	C	3	4	1	3	3	3	3	3	3	3	3	3
	B	3	3	1	3	3	3	3	3	3	3	3	3
	A	3	3	1	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X31LF	D	6	6	6	6	6	6	6	6	6	7	6	7
	C	6	6	6	6	6	6	6	6	6	7	6	7
	B	6	6	6	6	6	6	6	6	6	7	6	7
	A	6	6	6	6	6	6	6	6	6	7	6	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X36LF	D	2	2	2	2	2	2	4	2	2	2	2	2
	C	2	2	2	2	2	2	4	2	2	2	2	2
	B	2	2	4	2	2	2	4	2	2	2	2	2
	A	2	2	3	2	2	2	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X22LF	D	2	2	1	1	3	2	4	2	2	2	2	2
	C	2	2	2	2	3	2	4	2	2	2	2	2
	B	2	2	2	2	3	2	4	2	2	2	2	2
	A	2	2	2	2	3	2	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X27LF	D	2	2	2	2	2	2	2	2	2	2	4	1
	C	2	2	2	2	2	2	2	2	2	2	4	1
	B	2	2	2	2	2	2	2	2	2	2	2	1
	A	2	2	2	2	2	1	1	2	2	2	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X32LF	D	2	2	2	2	2	2	2	3	3	2	4	2
	C	2	2	2	2	2	2	2	3	3	2	4	2
	B	2	2	2	2	2	2	2	3	3	2	4	2
	A	2	2	2	2	2	2	2	3	3	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X37LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	4	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X23LF	D	1	1	1	3	3	3	3	3	3	3	3	3
	C	1	1	1	3	3	3	3	3	3	3	3	3
	B	1	1	1	3	3	3	3	3	3	3	3	3
	A	1	1	1	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X28LF	D	2	2	2	2	2	2	2	2	1	2	2	2
	C	2	2	2	2	2	2	2	1	1	2	2	2
	B	2	2	2	2	2	2	2	4	1	2	2	2
	A	2	2	2	2	2	2	4	1	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X33LF	D	2	2	2	2	2	2	4	2	2	2	2	2
	C	2	2	2	2	2	2	4	2	2	2	2	2
	B	2	2	2	2	2	2	4	2	2	2	2	2
	A	2	2	2	2	2	2	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X38LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	4	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X24LF	D	1	1	1	1	1	1	1	1	1	1	2	2
	C	1	1	1	1	1	1	1	1	1	1	2	2
	B	1	1	1	1	1	1	1	1	1	1	2	2
	A	1	1	1	1	1	1	1	1	1	1	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X29LF	D	2	2	4	4	4	4	4	4	4	4	4	4
	C	2	2	4	4	4	4	4	4	4	4	4	4
	B	2	2	4	4	4	4	4	4	4	4	4	4
	A	2	2	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X34LF	D	2	2	2	2	2	2	4	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	4	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X39LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	4	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X25LF	D	3	3	1	3	3	3	3	3	3	3	3	3
	C	3	3	1	3	3	3	3	3	3	3	3	3
	B	3	3	1	3	3	3	3	3	3	3	3	3
	A	3	3	1	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X30LF	D	6	6	6	6	6	6	6	6	6	6	7	7
	C	6	6	6	6	6	6	6	6	6	6	7	7
	B	6	6	6	6	6	6	6	6	6	6	7	7
	A	6	6	6	6	6	6	6	6	6	6	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X35LF	D	2	2	2	2	2	2	2	2	3	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	3	2	4	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X40LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	4	2
	A	2	2	2	2	2	2	2	2	2	2	3	2

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	scale		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/17			A4	2:1		
ISO 406		chr	-	-			ecn no	ELX-I-41569-1		
ISO 1101		appr	Kuriakose, San	2021/08/17			product family	METRAL	rel level	Released
surface 3.200	linear	Amphenol FCI			METRAL SIGNAL HEADER			dwg no	89074	rev
ISO 1302										

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X41LF	D	3	3	3	3	3	2	4	2	4	2	4	2
	C	3	3	3	3	2	4	2	4	2	4	2	
	B	3	3	3	3	3	3	3	3	3	3	3	
	A	3	3	3	3	3	3	3	3	3	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
89074-X46LF	D	4	-	-	2	-	1	2	2	2	2	2
	C	4	-	-	2	-	2	2	2	2	2	
	B	4	-	-	2	-	4	4	4	2	2	
	A	4	-	-	2	-	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X51LF	D	2	2	2	2	2	2	2	3	3	2	4	4
	C	2	2	2	2	2	2	2	3	3	2	4	4
	B	2	2	2	2	2	2	2	3	3	2	4	4
	A	2	2	2	2	2	2	2	3	3	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X56LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	
	B	2	2	2	2	2	2	2	3	4	4	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X42LF	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X47LF	D	8	-	-	6	-	5	6	6	6	6	6	6
	C	8	-	-	6	-	6	6	6	6	6	6	
	B	8	-	-	6	-	8	8	8	6	6	6	6
	A	8	-	-	6	-	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X52LF	D	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	4	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X57LF	D	1	1	1	1	1	1	-	-	-	1	1	1
	C	1	1	1	1	1	1	-	-	-	1	1	1
	B	1	1	1	1	1	1	-	-	-	1	1	1
	A	1	1	1	1	1	1	-	-	-	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X43LF	D	1	1	1	1	2	1	1	1	1	1	1	2
	C	1	1	1	1	2	1	1	1	1	1	1	2
	B	1	1	1	1	2	1	1	1	1	1	1	2
	A	1	1	1	1	2	1	1	1	1	1	1	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X48LF	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	8	8	8	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X53LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X58LF	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	3	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X44LF	D	3	1	3	2	2	2	3	2	2	2	2	2
	C	3	3	2	2	2	2	3	2	2	2	2	2
	B	3	2	2	2	2	2	3	2	2	2	2	2
	A	3	2	2	2	2	2	3	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X49LF	D	4	-	-	2	-	6	6	6	6	6	6	6
	C	4	-	-	2	-	6	6	6	6	6	6	6
	B	4	-	-	2	-	8	8	8	6	6	6	6
	A	4	-	-	2	-	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X54LF	D	3	2	1	1	1	1	1	1	1	1	2	3
	C	3	2	1	1	1	1	1	1	1	1	2	3
	B	3	2	1	1	1	1	1	1	1	1	2	3
	A	3	2	1	1	1	1	1	1	1	1	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X59LF	D	6	8	6	6	6	6	6	6	6	6	6	6
	C	6	8	6	6	6	6	6	6	6	6	6	6
	B	6	8	6	6	6	6	6	6	6	6	6	6
	A	6	8	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X45LF	D	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	2	2	1
	A	2	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X50LF	D	2	4	2	2	2	2	2	2	2	2	2	2
	C	2	4	2	2	2	2	2	2	2	2	2	2
	B	2	4	2	2	2	2	2	2	2	2	2	2
	A	2	4	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X55LF	D	4	4	3	3	4	4	4	4	4	2	2	2
	C	4	4	3	3	4	4	4	4	4	4	4	4
	B	4	4	3	3	4	4	4	4	4	4	2	4
	A	4	4	3	3	4	4	2	2	2	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X60LF	D	2	2	2	1	1	1	1	1	1	3	2	3
	C	2	2	2	1	1	1	1	1	1	3	2	3
	B	2	2	2	1	1	1	1	1	1	3	2	3
	A	2	2	2	1	1	1	1	1	1	3	2	3

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/17			ecn no	ELX-I-41569-1			
ISO 406 ISO 1101		chr	-	-			rel level	Released			
surface 3.200	linear	appr	Kuriakose, San	2021/08/17	product family	METRAL					
ISO 1302		0.X	±0.3		METRAL SIGNAL HEADER				dwg no 89074	rev BN	
	0.XX	±0.13	2 MOD, 4 ROW PRESS-FIT								
	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw				sheet 5 of 8

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X61LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	1	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X66LF	D	3	3	2	2	4	4	4	4
	C	3	3	2	2	4	4	4	4
	B	3	3	2	2	4	4	4	4
	A	3	3	2	2	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X71LF	D	4	4	2	2	2	2	2	2
	C	4	4	2	2	2	2	2	2
	B	4	4	2	2	2	2	2	2
	A	4	4	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X76LF	D	2	2	2	2	2	2	4	2
	C	2	2	2	2	2	2	4	2
	B	2	2	2	2	2	2	4	2
	A	2	2	2	2	2	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X62LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X67LF	D	2	2	2	2	4	4	4	2
	C	2	2	2	2	4	4	4	2
	B	2	2	2	2	4	4	4	2
	A	2	2	2	2	4	4	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X72LF	D	3	4	4	4	4	4	4	4
	C	3	4	4	4	4	4	4	4
	B	3	4	4	4	4	4	4	4
	A	3	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X77LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X63LF	D	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X68LF	D	2	4	2	2	2	2	2	3
	C	2	4	2	2	2	2	2	3
	B	2	4	2	2	2	2	2	3
	A	2	4	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X73LF	D	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X78LF	D	8	6	6	6	6	6	6	6
	C	8	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6
	A	8	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X64LF	D	2	2	4	2	2	2	2	4
	C	2	2	4	2	2	2	2	4
	B	2	2	4	4	2	2	2	4
	A	2	2	4	4	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X69LF	D	4	4	4	4	3	3	3	4
	C	4	4	4	4	3	3	3	4
	B	4	4	4	4	3	3	3	4
	A	4	4	4	4	3	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X74LF	D	6	6	6	6	6	6	6	8
	C	6	6	6	6	6	6	6	8
	B	6	6	6	6	6	6	6	8
	A	6	6	6	6	6	6	6	8

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X79LF	D	1	3	3	3	3	3	3	3
	C	1	3	3	3	3	3	3	3
	B	1	3	3	3	3	3	3	3
	A	1	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X65LF	D	3	4	2	3	2	2	4	2
	C	3	2	2	3	2	2	4	2
	B	3	2	2	3	3	2	4	2
	A	3	2	2	3	3	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X70LF	D	4	4	4	4	2	4	2	2
	C	4	4	4	4	2	4	2	2
	B	4	4	4	4	2	4	4	2
	A	4	4	4	4	2	4	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X75LF	D	6	6	6	6	6	6	7	6
	C	6	6	6	6	6	6	7	6
	B	6	6	6	6	6	6	7	6
	A	6	6	6	6	6	6	7	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X80LF	D	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	3

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	2:1										
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/08/17			ecn no	ELX-I-41569-1												
surface	3.200	chr	-	-			rel level	Released												
ISO 1302	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.13</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.3		0.XX	±0.13		0.XXX	±0.050	angular	0°	±2°	appr	Kuriakose, San	2021/08/17	product family	METRAL	rev	BN
linear	0.X	±0.3																		
	0.XX	±0.13																		
	0.XXX	±0.050																		
angular	0°	±2°																		
				METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT			dwg no 89074		sheet 6 of 8											
		amphenol-icc.com		cat. no.		Product - Customer Drw														

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X81LF	D	2	2	2	2	2	2	2	2	2	2	3	3
	C	2	2	2	2	2	2	2	2	2	2	3	3
	B	2	2	2	2	2	2	2	2	2	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X86LF	D	-	-	2	2	-	-	4	2	2	4	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	-	-	-	-	-	4	4	4	4	19	19	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X91LF	D	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	5	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X96LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X82LF	D	1	1	1	1	19	1	19	1	1	19	1	1
	C	19	1	1	1	19	19	1	1	1	19	1	1
	B	1	1	1	1	19	1	1	1	1	1	1	19
	A	1	1	1	19	1	19	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X87LF	D	1	1	1	1	1	1	1	3	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	1	3	
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X92LF	D	1	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	1	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X97LF	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X83LF	D	6	6	7	7	6	6	6	7	7	6	8	8
	C	6	6	7	7	6	6	6	7	7	6	8	8
	B	6	6	7	7	6	6	6	7	7	6	8	8
	A	6	6	7	7	6	6	6	7	7	6	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X88LF	D	4	-	2	4	4	2	-	4	2	-	4	2
	C	4	-	4	4	4	2	-	4	2	-	4	2
	B	4	-	-	4	4	2	2	4	2	2	4	-
	A	4	-	-	4	4	2	2	4	2	2	4	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X93LF	D	2	2	2	2	2	2	2	2	3	2	2	3
	C	2	2	2	2	2	2	2	2	3	2	2	3
	B	2	2	2	2	2	2	2	2	3	2	2	3
	A	2	2	2	2	2	2	2	2	3	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
89074-X98LF	D	2	2	2	2	2	2	2	2	2	4	4		
	C	2	2	2	2	2	2	2	2	2	1	2	4	4
	B	2	2	2	2	2	2	2	2	2	2	4	4	
	A	2	2	2	2	2	2	2	2	2	2	4	4	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X84LF	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	1	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X89LF	D	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X94LF	D	3	2	1	1	2	2	2	2	3	2	2	2
	C	3	2	1	1	2	2	1	2	3	2	2	2
	B	3	2	1	1	2	1	1	2	3	2	2	2
	A	3	2	1	1	2	1	2	2	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X99LF	D	2	2	2	2	4	2	2	4	3	3	4	4
	C	2	2	2	2	4	2	2	4	3	3	4	4
	B	2	2	2	2	4	2	2	4	3	3	4	4
	A	2	2	2	2	4	2	2	4	3	3	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X85LF	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	2	2	2	2	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X90LF	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	1	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X95LF	D	2	2	2	2	2	2	4	2	4	2	4	2
	C	2	2	2	2	4	2	2	4	2	4	2	4
	B	2	2	2	2	2	2	4	2	4	2	4	2
	A	2	2	2	2	2	2	4	2	4	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X100LF	D	19	2	2	2	2	2	2	1	2	19	3	2
	C	19	2	2	2	2	2	2	1	2	19	3	2
	B	19	2	2	2	2	2	2	2	2	1	19	2
	A	19	2	2	2	2	2	2	2	2	2	19	3

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/08/17			ecn no	ELX-I-41569-1		
surface	3.200	chr	-	-			rel level	Released		
ISO 1302	linear	appr	Kuriakose, San	2021/08/17	product family	METRAL	rev	89074	BN	
	angular									
	0.X	±0.3	Amphenol FCI		METRAL SIGNAL HEADER		dwg no	89074		
	0.XX	±0.13	amphenol-icc.com		2 MOD, 4 ROW PRESS-FIT					
	0.XXX	±0.050	cat. no.		-					
	0°	±2°	Product - Customer Drw		sheet 7 of 8					

A

B

C

D

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X101LF	D	19	2	2	2	19	2	2	19	2	2	2	3
	C	19	2	1	2	19	2	2	19	2	2	2	3
	B	19	2	19	2	19	2	2	19	2	1	2	3
	A	19	2	1	2	19	2	2	19	2	1	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X106LF	D	3	-	3	-	3	-	3	-	-	3	-	3
	C	3	-	3	-	3	-	3	-	-	3	-	3
	B	3	-	3	-	3	-	3	-	-	3	-	3
	A	3	-	3	-	3	-	3	-	-	3	-	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X102LF	D	19	2	1	2	2	1	2	2	2	19	3	2
	C	19	2	1	2	2	2	1	2	2	19	3	2
	B	19	19	1	2	2	2	1	2	2	1	19	2
	A	19	1	2	2	1	2	2	2	2	2	19	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X103LF	D	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	1	1	2	2	2	2	2	2	2	1	2
	B	2	2	2	2	2	2	2	2	2	19	2	2
	A	1	2	1	1	1	2	2	2	2	1	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X104LF	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X105LF	D	2	-	2	-	2	-	2	-	-	2	-	2
	C	2	-	2	-	2	-	2	-	-	2	-	2
	B	2	-	2	-	2	-	2	-	-	2	-	2
	A	2	-	2	-	2	-	2	-	-	2	-	2

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, 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 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 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 Δ 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		size	A4	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/17			ecn no	ELX-I-41569-1			
ISO 406 ISO 1101		chr	-	-			product family	METRAL		rel level	Released
surface 3.200	linear	appr	Kuriakose, San	2021/08/17		dwg no	89074			rev	BN
ISO 1302		angular	0°	±2°			cat. no.	-	Product - Customer Drw		sheet 8 of 8