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Stocking Distributor

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[89075-151LF](#)

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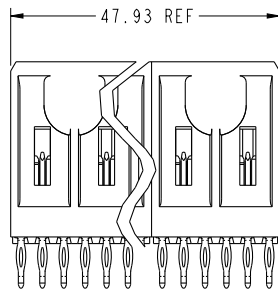
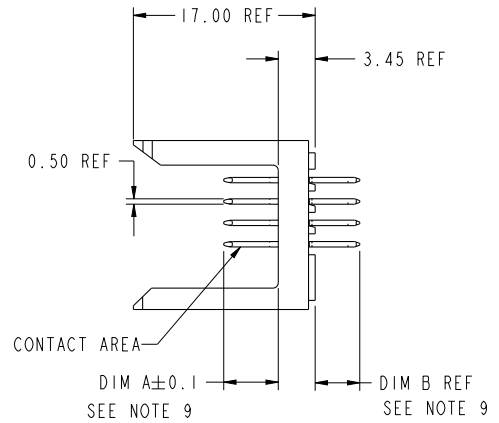
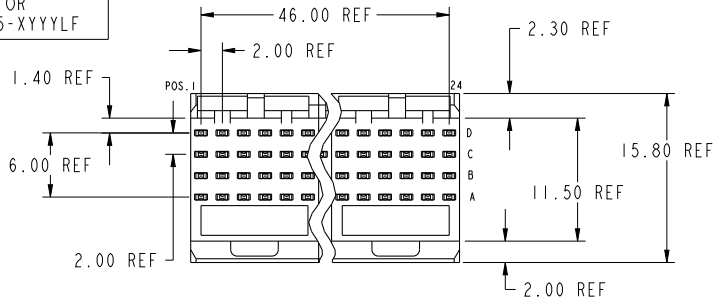
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PRODUCT NUMBER
89075-YYY OR 89075-YYYY
89075-YYLFF OR 89075-YYYYLFF



rev	ecn	drw	date
CB	V06-0573	DCH	2006-06-14
CC	DG07-0487	Cenh	12/05/07
CD	DG09-0256	TER	2009-08-19
CE	ELX-DG-010531-1	ANDY	2012-03-08
BY	V05-0603	TAB	07/06/05
CA	V05-1030	LP	11/21/05

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1
tolerance std	ASME Y14.5	eng	Andy Lu	2012/03/08	chr	Thian-Zhao Lin	ecn no	ELX-DG-010531-1	rel level	Released
surface	3/200 linear	appr	Pei-Ming Zheng	2012/03/12	product family	METRAL	rel level	Released	rev	CE
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 15		

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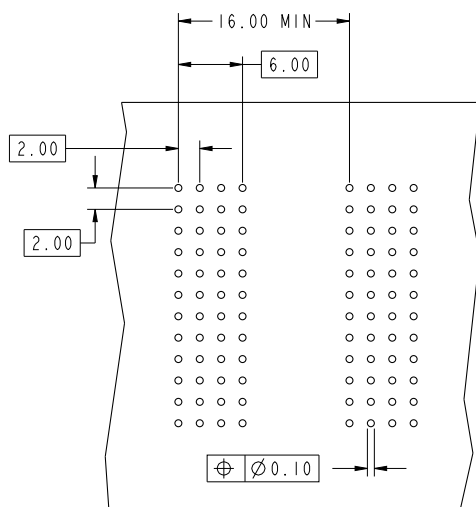
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KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
22	5.00	12.10

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

spec ref *				dr Terran Huang		2010/07/08		projection		size A4		scale 2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Andy Lu		2012/03/08				mm		ec n no ELX-DG-010531-1	
ASME Y14.5				chr Thian-Zhao Lin		2012/03/12							
				appr Pei-Ming Zheng		2012/03/12							
				product family				METRAL		rel level Released			
surface 3/200		linear				METRAL SIGNAL HEADER		dwg no 89075		rev C			
		0.X ±0.3											
		0.XX ±0.13											
		0.XXX ±0.051											
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 2 of 15	

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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X01 SEE NOTE 11 LEAD FREE OPTION	ROW	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		R	D	W	B	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X02 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	11	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	11	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	11	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X03 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X04 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X05 SEE NOTE 11 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

spec ref	*	
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED
surface	3/20 linear	0.X ±0.3 0.XX ±0.13 0.XXX ±0.051
ASME Y14.5	angular	0° ±2°

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12

projection		mm	size	A4	scale	2:1
product family	METRAL	rel level	Released	ecn no	ELX-DG-010531-1	
title	METRAL SIGNAL HEADER	dwg no	89075	rev	CE	
cat. no.	-	Product - Customer Drw	sheet 3 of 15			

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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X11 SEE NOTE 11 LEAD FREE OPTION	ROW	D	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	C	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	B	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	A	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X12 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X13 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	1	3
	C	3	3	2	2	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	1	3
	B	3	3	2	2	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	1	3
	A	3	3	2	2	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X14 SEE NOTE 11 LEAD FREE OPTION	D	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X15 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	19
	C	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19

spec ref	*			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	3/20 linear	0.X	±0.3	
		0.XX	±0.13	
		0.XXX	±0.051	
ASME Y14.5	angular	0°	±2°	

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12

projection		mm	size	A4	scale	2:1
product family	METRAL		ecn no	ELX-DG-010531-1		
rel level	Released					
dwg no	89075					rev
						CE



METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

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cat. no.

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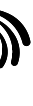
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X21 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	C	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	B	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	A	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X22 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X23 SEE NOTE 11 LEAD FREE OPTION	ROW	1	1	1	3	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	1	1	3	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	B	1	1	1	3	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	1	1	3	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X24 SEE NOTE 11 LEAD FREE OPTION	D	2	2	3	2	3	2	3	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2
	C	2	2	3	2	3	2	3	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2
	B	2	2	3	2	3	2	3	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2
	A	2	2	3	2	3	2	3	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4										
		D	R	W	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X25 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	1	1	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	3	2	2
	C	2	2	2	1	1	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	3	2	2
	B	2	2	2	1	1	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	3	2	2
	A	2	2	2	1	1	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	3	2	2

spec ref	*			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	3/20 linear	0.X	±0.3	
		0.XX	±0.13	
		0.XXX	±0.051	
ASME Y14.5	angular	0°	±2°	

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12



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projection		mm	size	A4	scale	2:1
product family	METRAL		ecn no	ELX-DG-010531-1		
rel level	Released		rev	CE		

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X31 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X32 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X33 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X34 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	1	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		D	C	B	A		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X35 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2

spec ref	*			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	3/20 linear	0.X	±0.3	
		0.XX	±0.13	
		0.XXX	±0.051	
ASME Y14.5	angular	0°	±2°	

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12



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METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

cat. no.

projection 		mm 		size A4		scale 2:1	
				ecn no		ELX-DG-010531-1	
product family METRAL				rel level Released			
L HEADER				dwg no 89075		rev	
S-FIT						CE	
-		Product - Customer Drw				sheet 6 of 15	

Print File : REL C - 2009-08-09

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PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X41 SEE NOTE 11 LEAD FREE OPTION	D	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	
	C	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	
	B	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	
	A	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X42 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	8	3	2	3	2	4	4	
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	8	3	2	3	2	4	4	
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	8	3	2	3	2	4	4	
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	8	3	2	3	2	4	4	

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X43 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4	2	2	3	3	3	3	3	3	2	2	2	2	2	4	3	3	4	4
	C	3	3	3	3	3	4	2	2	3	3	3	3	3	3	2	2	2	2	2	4	3	3	4	4
	B	3	3	3	3	3	4	2	2	3	3	3	3	3	3	2	2	2	2	2	4	3	3	4	4
	A	3	3	3	3	3	4	2	2	3	3	3	3	3	3	2	2	2	2	2	4	3	3	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X44 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	3	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X45 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8

spec ref	*			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	3/20 linear	0.X	±0.3	
		0.XX	±0.13	
		0.XXX	±0.051	
ASME Y14.5	angular	0°	±2°	

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X46 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X47 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	14	6	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	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	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X48 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	13	2	13	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X49 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X50 SEE NOTE 11 LEAD FREE OPTION	D																								
	C																								
	B																								
	A																								

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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X51 SEE NOTE 11 LEAD FREE OPTION	D	3	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X52 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	7	7	7	7
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	7	7	7	7
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	7	7	7	7
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X53 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X54 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X55 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	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	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	1	1	1	1	1	1	1	1	1	1	1	1

spec ref	*			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	3/20 linear	0.X	±0.3	
		0.XX	±0.13	
		0.XXX	±0.051	
ASME Y14.5	angular	0°	±2°	

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12



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METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

cat. no.

projection		mm	size	A4	scale	2:1
product family	METRAL				ecn no	ELX-DG-010531-1
rel level	Released				dwg no	89075
rev	CE				sheet 8 of 15	

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X61 SEE NOTE 11 LEAD FREE OPTION	D	2	1	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
	C	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3
	B	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3
	A	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3

METRAL P/N		CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4							
		D	R	W	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X62 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X63 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	C	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	B	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	A	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X64 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3
	C	3	3	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3
	B	3	3	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3
	A	3	3	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X65 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7

spec ref	*			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	3/20 linear	0.X	±0.3	
		0.XX	±0.13	
		0.XXX	±0.051	
ASME Y14.5	angular	0°	±2°	

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12

projection		mm	size	A4	scale	2:1
product family	METRAL		ecn no	ELX-DG-010531-1		
rel level	Released		rev	CE		
cat. no.	-		Product - Customer Drw	sheet 9 of 15		

Print File : - REV C - 2009-08-08

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PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		D	C	B	A	8	7	8	7	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X71 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	1	2	3	2
	C	8	7	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	2	2	3	2
	B	8	7	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	2	2	3	2
	A	8	7	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	2	2	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X72 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3
	C	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3
	B	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3
	A	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		D	R	W	B	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
89075-X73 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	2	2	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X74 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4										
		R	D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X75 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ASME Y14.5			
surface $\sqrt{3/200}$ linear	0.X	± 0.3	
	0.XX	± 0.13	
	0.XXX	± 0.051	
ASME Y14.5	angular	0°	$\pm 2^\circ$

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12



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projection 	mm 	size A4	scale 2:1
product family METRAL		ecn no ELX-DG-010531-1	
rel level Released		rev CE	
L HEADER	dwg no 89075	-	
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Print File: REL C - 2009-08-09

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PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X81 SEE NOTE 11 LEAD FREE OPTION	D	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X82 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3

METAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X83 SEE NOTE 11 LEAD FREE OPTION	D	4	2	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4	4
	C	2	4	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	4	4	4	4	4	4	4	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X84 SEE NOTE 11 LEAD FREE OPTION	D	12	10	12	11	11	11	11	11	11	11	11	11	12	11	11	11	12	12	12	12	12	12	12	12
	C	10	12	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	11	11	12	11	12	11	12
	B	11	11	11	11	11	11	11	11	11	11	11	11	10	12	11	11	12	12	12	11	12	11	12	
	A	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	11	11	12	12	12	12	12	12	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X85 SEE NOTE 11 LEAD FREE OPTION	D	2	1	1	1	1	1	1	1	2	2	2	2	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	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	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	2	2	2	2	2	2	2	2	2	2	2	2

spec ref	*
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED
ASME Y14.5	
surface	3/20 linear
ASME Y14.5	angular
	0.X ±0.3
	0.XX ±0.13
	0.XXX ±0.051
	0° ±2°

dr	Terran Huang	2010/07/08
eng	Andy Lu	2012/03/08
chr	Thian-Zhao Lin	2012/03/12
appr	Pei-Ming Zheng	2012/03/12
FCI		
www.fci.com		

projection	mm	size	A4	scale	2:1
product family	METRAL	ecn no	ELX-DG-010531-1	rel level	Released
dwg no	89075	rev	CE		
cat. no.	-	Product - Customer Drw	sheet 11 of 15		

Print File: REV C - 2009-08-08

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PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X100 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	1	2	2	2	2

Print File : MY C : 2009-06-09

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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4										
		D	R	W	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X101 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4												
		D	R	W	B	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X102 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	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	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4												
		D	R	W	C	B	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X103 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		D	R	W	B	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X104 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	19	1	2	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	2	2	19	1	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X105 SEE NOTE 11 LEAD FREE OPTION	D	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	C	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	B	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	A	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4												
		D	R	O	W		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X106 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4												
		D	R	O	W		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X107 SEE NOTE 11 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X108 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X109 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3
	C	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3
	B	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3
	A	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X110 SEE NOTE 11 LEAD FREE OPTION	D	7	5	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	6	7	7	7	7	7	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	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

spec ref		*		dr	Terran Huang	2010/07/08	projection			size	A4	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Andy Lu	2012/03/08	chr	Thian-Zhao Lin				2012/03/12	ecn no	ELX-DG-010531-1		
ASME Y14.5		appr	Pei-Ming Zheng	2012/03/12	product family					METRAL		rel level		Released
surface	3/20	linear	0.X	±0.3		title				METRAL SIGNAL HEADER		dwg no	89075	rev
		0.XX	±0.13											
		0.XXX	±0.051											
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.		-	Product - Customer Drw				sheet 13 of 15		

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X111 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	1	3	1	3	1	3	3	3	3	3	1	1	1	1	1	1	3	1	3	1	
	C	3	3	3	1	3	1	3	1	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	3
	B	3	3	3	1	3	1	3	1	3	3	3	3	3	1	1	1	1	1	1	1	3	3	3	
	A	3	3	3	1	3	1	3	1	3	3	3	3	3	1	1	1	1	1	1	3	1	3	1	

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X112 SEE NOTE 11 LEAD FREE OPTION	ROW	3	-	3	-	3	-	3	-	3	3	-	3	-	3	-	3	-	3	-	-	3	-	3	-	
	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	-	3	-	3	1	-	3	-	3	-	3	-	3	-	-	3	-	3	-	

spec ref *				dr	Terran Huang	2010/07/08	projection		mm		size	A4	scale	2:1							
tolerance std				eng	Andy Lu	2012/03/08					ecn no	ELX-DG-010531-1									
ASME Y14.5				TOLERANCES UNLESS OTHERWISE SPECIFIED							chr	Thian-Zhao Lin	2012/03/12	rel level Released							
				appr	Pei-Ming Zheng	2012/03/12	product family				METRAL										
surface		3/200	linear	0.X	±0.3		title				METRAL SIGNAL HEADER				dwg no		89075		rev		CE
				0.XX	±0.13																
				0.XXX	±0.051																
ASME Y14.5			angular	0°	±2°	www.fci.com	cat. no.		-				Product - Customer Drw				sheet 14 of 15				

Print File : REV C - 2009-08-09

PDS: Rev :CE STATUS:Released Printed: Mar 12, 2012

PRODUCT NUMBER

89075-XYX
OR
89075-YYYY

89075-XYXLF
OR
89075-YYYYLF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:
89075-XYX IS SnPb
89075-XYXLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
5. PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
6. 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-XXXP,
XXXXX-XXXPLF OR XXXXX-XXXPLF
7. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
8. -A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
9. AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING
(DRAWING NO.)-NI--- OR (DRAWING NO.)-N5--- WILL WITHSTAND EXPOSURE
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-NI---
AND (DRAWINGS NO.)-N5--- WILL NOT 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.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 89075-X01LF

PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-AYX OR -AYXX	TELCORDIA CO	SEE NOTE 8
-N1XX OR -N1XXX	TELCORDIA CO (NXT)	-
-1XX OR -1XXX	TELCORDIA CO	-
-2XX OR -2XXX	TELECOM CLASS	-
-3XX OR -3XXX	IEC CLASS I	-
-N5XX OR -N5XXX	TELCORDIA UE (NXT)	-
-5XX OR -5XXX	TELCORDIA UE	-
-AYXLF OR -AYXXLF	TELCORDIA CO	SEE NOTE 10
-N1XXLF OR -N1XXXLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-1XXLF OR -1XXXLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2XXLF OR -2XXXLF	TELECOM CLASS	SEE NOTE 10
-N5XXLF OR -N5XXXLF	TELCORDIA UE (NXT)	SEE NOTE 10
-5XXLF OR -5XXXLF	TELCORDIA UE	SEE NOTE 10

spec ref *				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1			
tolerance std				eng	Andy Lu	2012/03/08			ecn no	ELX-DG-010531-1					
ASME Y14.5				TOLERANCES UNLESS OTHERWISE SPECIFIED						chr	Thian-Zhao Lin	2012/03/12	rel level	Released	
				appr	Pei-Ming Zheng	2012/03/12	product family		METRAL						
surface 3/20 linear				0.X	±0.3		title		METRAL SIGNAL HEADER		dwg no		89075	rev	CE
				0.XX	±0.13										
				0.XXX	±0.051										
ASME Y14.5				angular	0°	±2°	www.fci.com		cat. no.		-	Product - Customer Drw		sheet 15 of 15	

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PDS: Rev :CE

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