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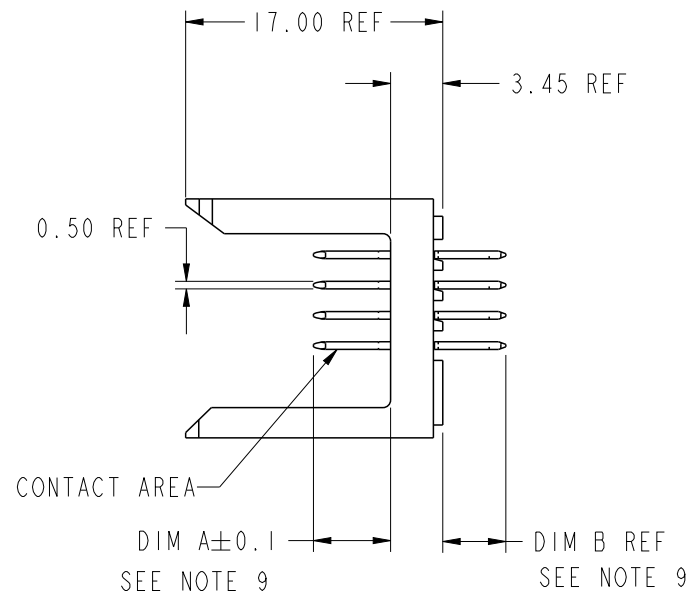
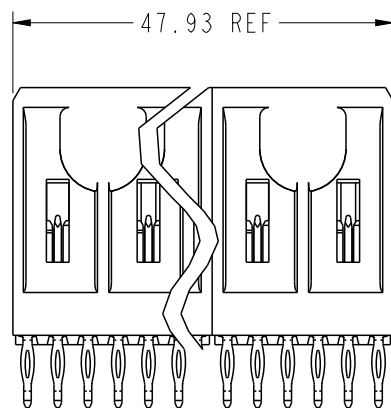
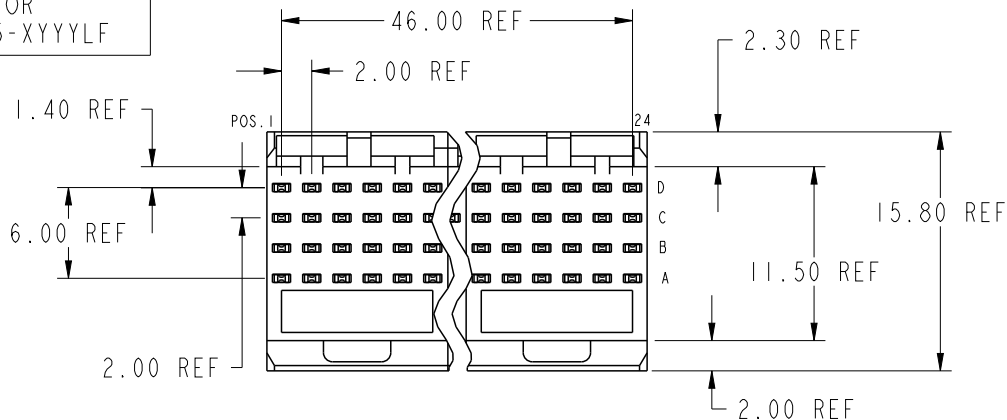
A

B

C

D

PRODUCT NUMBER
89075-XXX OR 89075-YYYY
89075-XXYLF OR 89075-YYYYLF



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			ecn no	ELX-DG-010531-1		
	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				title	METRAL SIGNAL HEADER	dwg no	89075	rev	CE
						4 MOD, 4 ROW PRESS-FIT				
ASME Y14.5	angular				cat. no.	-	Product - Customer Drw	sheet 1 of 15		

PrintE File - REV C - 2009-06-09

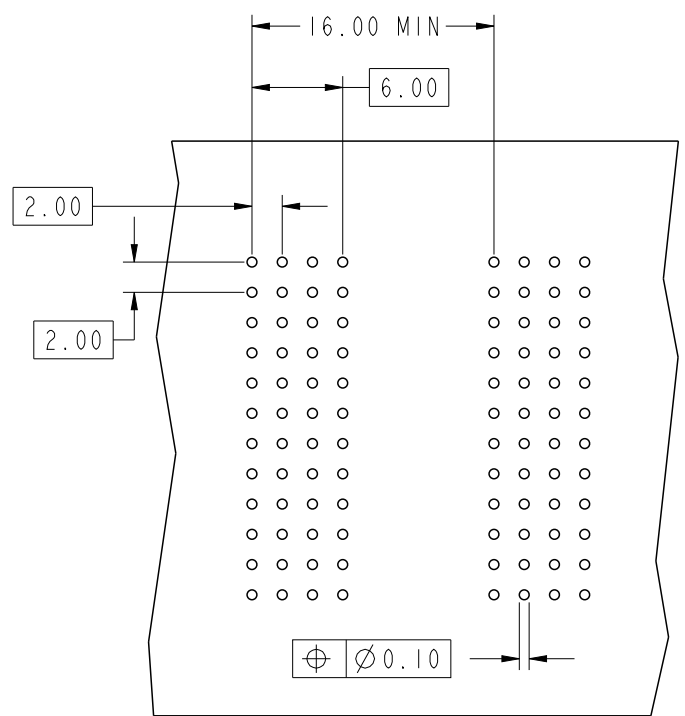
PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



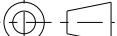
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KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
22	5.00	12.10

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

spec ref *				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1									
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2012/03/08			ecn no	ELX-DG-010531-1											
				chr	Thian-Zhao Lin	2012/03/12															
				appr	Pei-Ming Zheng	2012/03/12							product family	METRAL		rel level	Released				
surface 3.200 linear 	ASME Y14.5	angular	0°	±0.3	±0.13	±0.051		title	METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		dwg no	89075							rev	CE	
																					www.fci.com



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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89075-X01 SEE NOTE 11 LEAD FREE OPTION	D	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	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	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	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								
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89075-X02 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5	5	5	5	5	5	11	5	5	5	5	5	5	5	5	5	5	5	5
	C	5	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	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	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	5	6	6	5	6	6	5	6	6	5	11	11	5	5	5	5	5	5	5	5	5	5
	C	6	6	5	6	6	5	6	6	5	6	6	5	11	11	5	5	5	5	5	5	5	5	5	5
	B	6	6	5	6	6	5	6	6	5	6	6	5	11	11	5	5	5	5	5	5	5	5	5	5
	A	6	6	5	6	6	5	6	6	5	6	6	5	11	11	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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89075-X04 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
	C	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
	B	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
	A	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	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-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	TOLERANCES UNLESS OTHERWISE SPECIFIED	
ASME Y14.5		
surface $\sqrt{3.2}$ linear	0.X	± 0.3
	0.XX	± 0.13
	0.XXX	± 0.051
ASME Y14.5	angular	0°

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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title METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

cat. no.

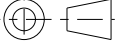
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89075-X06 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3

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-X07 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	1	1	1	1	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	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	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-X08 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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89075-X09 SEE NOTE 11 LEAD FREE OPTION	D	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	C	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	B	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	A	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	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-X10 SEE NOTE 11 LEAD FREE OPTION	D	1	1	3	1	1	1	2	2	1	2	2	2	1	1	1	3	1	1	3	3	3	3	3	3
	C	1	1	3	1	1	1	2	2	1	2	1	2	1	1	1	3	1	1	3	3	3	3	3	3
	B	1	1	3	1	1	1	2	2	1	2	2	2	1	1	1	3	1	1	3	3	3	3	3	3
	A	1	1	3	1	1	1	2	2	1	2	2	2	1	1	1	3	1	1	3	3	3	3	3	3

projection 		mm 	size A4	scale 2:1
product family METRAL			ecn no ELX-DG-010531-1	
rel level Released				
L HEADER		dwg no 89075	rev	
S-FIT			C	
-	Product - Customer Drw			sheet 3 of 15



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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-X11 SEE NOTE 11 LEAD FREE OPTION	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
	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
	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

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	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3
	C	3	3	2	2	1	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3
	B	3	3	2	2	1	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3
	A	3	3	2	2	1	1	1	1	1	3	3	2	3	3	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

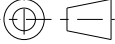
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
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89075-X15 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	19
	C	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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 $\sqrt{3.2}$ 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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title 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							
-	Product - Customer Drw				sheet 4 of 15		



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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	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	
	C	3	3	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	
	B	3	3	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	
	A	3	3	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	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-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	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-X23 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	3	3	3	3	3	1	1	1	1	1	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
	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
	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

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	1	1	1	1	1	1	1	1	1	2
	C	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2
	B	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2
	A	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	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-X25 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	
	C	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	
	B	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	
	A	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	

spec ref		*		dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Andy Lu	2012/03/08			ecn no	ELX-DG-010531-1					
ASME Y14.5				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
			0.XX	±0.13											
			0.XXX	±0.051											
ASME Y14.5		angular	0°	±2°	www.fci.com			cat. no.		-		Product - Customer Drw		sheet 5 of 15	

Print File - REV C - 2009-06-09

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-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	1	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	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
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	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
	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

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-X34 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	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

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-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	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	1	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

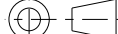
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X36 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	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-X37 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	7
	C	6	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	6
	A	5	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	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-X38 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3
	C	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3
	B	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3
	A	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	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-X39 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2
	C	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2
	B	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2
	A	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	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-X40 SEE NOTE 11 LEAD FREE OPTION	D	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	C	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	B	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	A	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3

spec ref		*		dr		Terran Huang		2010/07/08		projection				mm		size		A4		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2012/03/08				ecn no		ELX-DG-010531-1		rel level		Released					
ASME Y14.5				chr		Thian-Zhao Lin		2012/03/12															
				appr		Pei-Ming Zheng		2012/03/12															
										product family		METRAL											
surface		3.2		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 6 of 15							

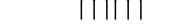
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X46 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	3	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-X47	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
SEE NOTE 11 LEAD FREE OPTION	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	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
SEE NOTE 11 LEAD FREE OPTION	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	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-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	D	UNASSIGNED																							
SEE NOTE 11 LEAD FREE OPTION	C																								
	B																								
	A																								

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Andy Lu	2012/03/08			ecn 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
surface			0.X	±0.3		title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT			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 7 of 15		



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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-X51 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	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	1	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-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	3	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	19
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19	19

spec ref		*		dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2012/03/08			ecn no	ELX-DG-010531-1						
				chr	Thian-Zhao Lin	2012/03/12										
				appr	Pei-Ming Zheng	2012/03/12						product family	METRAL		rel level	Released
surface	3.2	linear	0.X	±0.3		title	METRAL SIGNAL HEADER				dwg no	89075		rev	CE	
			0.XX	±0.13												4 MOD, 4 ROW PRESS-FIT
			0.XXX	±0.051												
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 8 of 15					

Print File - REV C - 2009-06-09

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

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-X61 SEE NOTE 11 LEAD FREE OPTION	D	2	1	3	4	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	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	
	B	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	
	A	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	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-X62 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	4	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2
	C	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	1	2	2
	B	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2
	A	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2

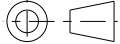
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X63 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	C	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	B	3	3	3	3	3	4	2	2	3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

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ASME Y14.5			
surface 	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
		
www.fci.com		

projection		mm	size	A4	scale	2:1	
			ecn no		ELX-DG-010531-1		
product family			METRAL	rel level			Released
NAL HEADER			dwg no	89075			rev
RESS-FIT							CE
-	Product - Customer Drw				sheet 9 of 15		



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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-X71 SEE NOTE 11 LEAD FREE OPTION	D	8	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	8	6	8	7	7	2	2	2	2	3	2	
	B	8	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	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	8	7	8	7	7	3	3	2	3	3	3	
	C	8	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	8	7	8	7	7	3	3	2	3	3	3	
	A	8	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	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-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	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	
	B	2	2	2	2	2	2	2	2	2	3	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	

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-X74 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6
	C	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6
	B	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6
	A	2	2	2	2	2	2	2	2	2	2	2	2	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-X75 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	C	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	B	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	A	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4

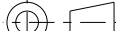
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X76 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	C	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	B	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	A	3	3	3	3	3	3	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-X77 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
	C	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
	B	2	2	2	2	2	2	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
	A	2	2	2	2	2	2	2	1	1	1	3	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
89075-X78 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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-X79 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	2	3	3	1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	2	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	1	3	3	1	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-X80 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	8	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7

spec ref *				dr Terran Huang2010/07/08		projection 	mm 	size A4	scale 2:1
tolerance std ASME Y14.5				eng Andy Lu2012/03/08				ecn no ELX-DG-010531-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Thian-Zhao Lin2012/03/12				rel level Released	
				appr Pei-Ming Zheng2012/03/12					
product family						METRAL			
surface 3.200 linear				FCI		title METRAL SIGNAL HEADER		dwg no 89075	
ASME Y14.5				www.fci.com		4 MOD, 4 ROW PRESS-FIT		rev	
angular 0° ±2°				cat. no. -		Product - Customer Drw		sheet 10 of 15	



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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-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	1	3
	C	3	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	3
	A	3	1	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
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	3
	C	2	2	2	2	2	2	3	1	1	1	1	1	1	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	3
	A	2	2	2	2	2	2	3	1	1	1	1	1	1	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-X83 SEE NOTE 11 LEAD FREE OPTION	D	4	2	4	3	3	3	3	3	3	3	3	3	4	4	3	3	4	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	3	4	3	4	3	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	4	4	4	4	3	4	3	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	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-X84 SEE NOTE 11 LEAD FREE OPTION	D	12	10	12	11	11	11	11	11	11	11	11	11	12	12	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	11	11	12	11	12	11	12	12
	B	11	11	11	11	11	11	11	11	11	11	11	11	10	12	11	11	12	12	12	12	11	12	11	12
	A	11	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	1	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

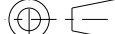
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X86 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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
89075-X87 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	4	6	6	6	6	6	-	-	4	-	-	2	-	6	6	6	6	6	6	7
	C	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	8	8	8	6	6	6
	A	5	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	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-X88 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	4	4	4	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-X89 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	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	
	B	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	
	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-X90 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	8	8	8	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

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Lu	2012/03/08			ecn 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	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 11 of 15				



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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-X91 SEE NOTE 11 LEAD FREE OPTION	D	2	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	C	2	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	B	2	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	A	2	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	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-X92 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	4	2	2	4	2	2	4	2	2	4	2	2	2	2	2	2	4	2	2	
	C	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	4
	B	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2
	A	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	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-X93 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	2	2	4	4	4	4	2	2	4	2	2	4	2	2	2	2	2	2	2	2	4
	C	2	2	4	4	4	4	2	2	4	2	2	4	2	2	4	2	2	2	2	2	4	2	2	4
	B	4	4	4	2	2	4	4	4	4	2	2	4	2	2	4	2	2	2	2	2	4	2	2	4
	A	2	2	2	4	4	4	2	2	4	2	2	4	2	2	4	2	2	2	2	2	4	2	2	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-X94 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	3	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
89075-X95 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ASME Y14.5			
surface $\sqrt{3.2}$	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
title		METRAL SIGNAL HEADER
		4 MOD, 4 ROW PRESS-FIT
cat. no.		-
www.fci.com		

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-X96 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	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-X97 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	1	1	1	1
	C	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
	A	1	1	1	1	1	1	1	2	2	2	2	2	1	2	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-X98 SEE NOTE 11 LEAD FREE OPTION	D	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	C	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	B	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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-X99 SEE NOTE 11 LEAD FREE OPTION	D	4	2	4	3	4	5	4	2	4	2	4	2	4	4	3	3	4	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	3	4	3	4	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	4	4	4	4	3	4	3	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	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
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	1	2	2	2	2	1	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	1	2	2	2	2	2	2

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



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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-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	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	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	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	3	3	2	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-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
	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	1	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-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	4	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	4	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-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	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	19	1	2	2	2	2	1	2	2	2	2	1	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	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

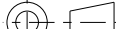
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X106 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	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

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-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	3	3
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	A	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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-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	3	3	2	3	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	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-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	
89075-X110 SEE NOTE 11 LEAD FREE OPTION	D	7	5	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	
	C	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	
	B	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	8	7	7	
	A	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	8	7	7	

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Andy Lu	2012/03/08			ecn no	ELX-DG-010531-1			
ASME Y14.5				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 4 MOD, 4 ROW PRESS-FIT			dwg no	89075		rev	CR
		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	1	3	1	3	1
	C	3	3	3	1	3	1	3	1	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	3
	B	3	3	3	1	3	1	3	1	3	3	3	3	3	3	1	1	1	1	1	1	3	3	3	3
	A	3	3	3	1	3	1	3	1	3	3	3	3	3	3	3	1	1	1	1	1	1	3	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-X112 SEE NOTE 11 LEAD FREE OPTION	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	-



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spec ref *		dr		Terran Huang		2010/07/08		projection		mm		size		A4		scale		2:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED						eng		Andy Lu		2012/03/08						ecn no		ELX-DG-010531-1			
ASME Y14.5								chr		Thian-Zhao Lin		2012/03/12						rel level		Released			
								appr		Pei-Ming Zheng		2012/03/12		product family				METRAL					
surface		3.200 linear				title		METRAL SIGNAL HEADER						dwg no		89075		rev		CE			
		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 14 of 15					



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PRODUCT NUMBER
89075-XY Y OR 89075-XY Y Y
89075-XY Y L F OR 89075-XY Y Y L F

- NOTES:
- FOR DIM A AND B SEE SHEET 2 AND UP.
 - BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
 - PIN MATERIAL:
PHOSPHOR BRONZE.
 - PLATING ON PRESS-FIT TAIL:
89075-XY Y IS SnPb
89075-XY Y L F IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
 - PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
 - 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-XXXXP,
XXXXX-XXXPLF OR XXXXX-XXXXPLF
 - PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
 - A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
 - 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-22-008.
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING
(DRAWING NO.)-N1--- 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.)-N1---
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.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE:89075-X01LF

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-A Y Y OR -A Y Y Y	TELCORDIA CO	SEE NOTE 8
-N1 Y Y OR -N1 Y Y Y	TELCORDIA CO (NXT)	-
-1 Y Y OR -1 Y Y Y	TELCORDIA CO	-
-2 Y Y OR -2 Y Y Y	TELECOM CLASS	-
-3 Y Y OR -3 Y Y Y	IEC CLASS I	-
-N5 Y Y OR -N5 Y Y Y	TELCORDIA UE (NXT)	-
-5 Y Y OR -5 Y Y Y	TELCORDIA UE	-
-A Y Y L F OR -A Y Y Y L F	TELCORDIA CO	SEE NOTE 10
-N1 Y Y L F OR -N1 Y Y Y L F	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-1 Y Y L F OR -1 Y Y Y L F	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2 Y Y L F OR -2 Y Y Y L F	TELECOM CLASS	SEE NOTE 10
-N5 Y Y L F OR -N5 Y Y Y L F	TELCORDIA UE (NXT)	SEE NOTE 10
-5 Y Y L F OR -5 Y Y Y L F	TELCORDIA UE	SEE NOTE 10

spec ref *				dr Terran Huang2010/07/08		projection		mm		size A4		scale 2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Andy Lu2012/03/08						ecn no ELX-DG-010531-1	
ASME Y14.5						chr Thian-Zhao Lin2012/03/12						rel level Released	
						appr Pei-Ming Zheng2012/03/12						product family METRAL	
surface 3.200 linear		0.X ±0.3				title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		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	

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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