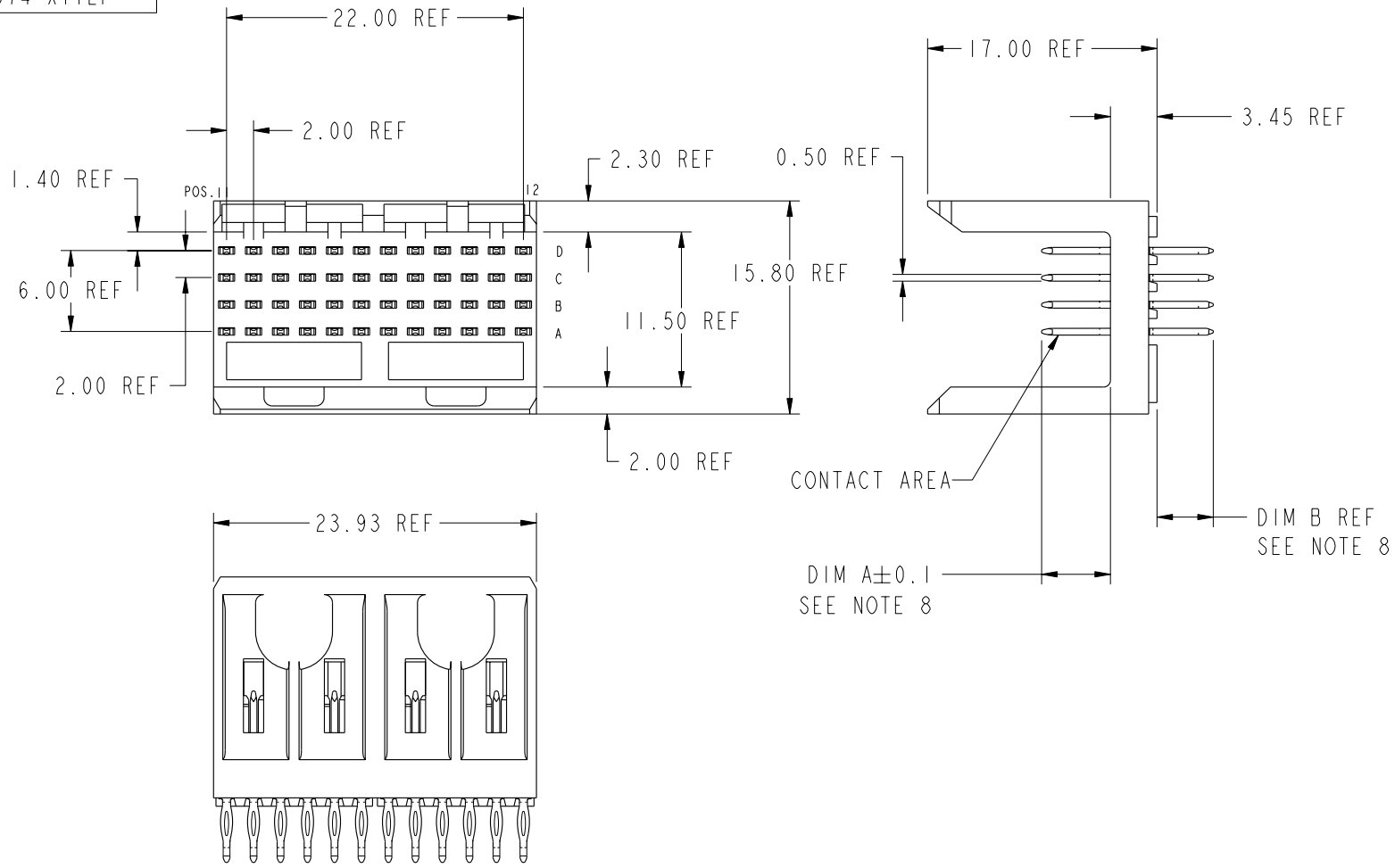
PRODUCT NUMBER
89074-XYY
89074-XYYLF



mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		projection	title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
BG	V06-0573	DCH	2006-06-14		0.XX ±0.13			
-	-	-	-		.XXX ±.051			
BB	V03-0659	HTB	06/12/03	angles	0° ±2°			
BC	V03-1118	HTB	10/13/03	dr	T.BRUNGARD	11/19/99	MM	product family METRAL
BD	V03-1209	HTB	11/10/03	engr	M.STRAWSER	11/19/99		size A
BE	V04-0795	TAB	08/16/04	chr	M.STRAWSER	11/19/99	scale 2:1	dwg no 89074
BF	V05-0030	DAI	02/11/05	appd	M.STRAWSER	02/29/00		

sheet index	revision	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG
	sheet	1	2	3	4	5	6	7	8	9	10

code 213

sheet 1 of 10

cage code 22526

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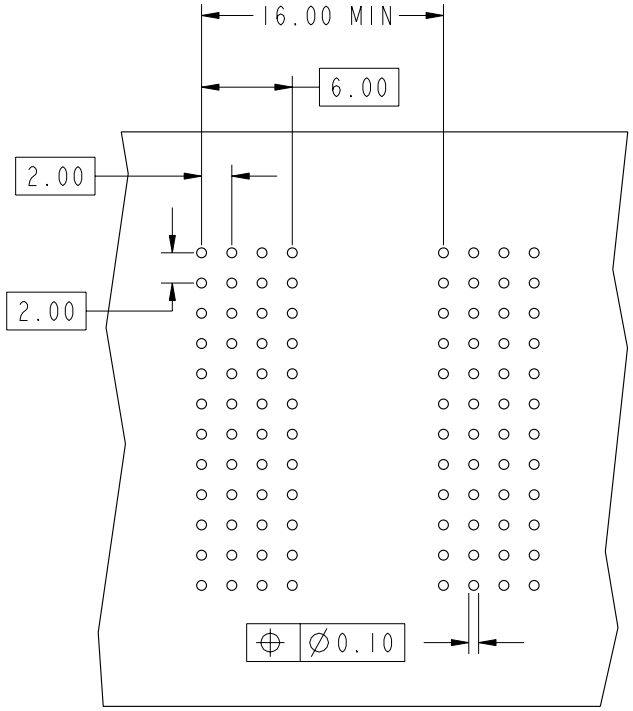
REV E - 2006-04-18

Pro/E

PDM: Rev:BG STATUS:Released Printed: Dec 29, 2007



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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

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mat'l code	--			tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY	
BG					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale: 2:1	size: A; dwg no: 89074; sheet: 2
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							

Pro/E

cage code 22526

REV E - 2006-04-18

PDM: Rev:BG STATUS:Released Printed: Dec 29, 2007

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X01 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	1	1	1	3	2	3	2	3
	C	3	3	1	1	1	1	1	3	2	3	2	3
	B	3	2	1	1	1	1	1	3	2	3	2	3
	A	3	1	1	1	1	1	1	3	2	3	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-X02 SEE NOTE 10 LEAD FREE OPTION	D	1	3	1	1	1	1	1	1	1	3	1	3
	C	1	3	1	1	1	1	1	1	1	3	1	3
	B	1	3	1	1	1	1	1	1	1	3	1	3
	A	1	3	1	1	1	1	1	1	1	3	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X03 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	2	2	2	2	3	2	2	1
	C	3	2	1	1	2	2	2	2	3	2	2	1
	B	3	2	1	1	2	2	2	2	3	2	2	2
	A	3	2	1	1	2	2	2	1	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-X04 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2	2	2	2	3
	C	3	2	2	2	2	2	2	2	2	2	2	3
	B	3	2	2	2	2	2	2	2	2	2	2	3
	A	3	2	2	2	2	2	2	2	2	3	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X05 SEE NOTE 10 LEAD FREE OPTION	D	3	1	1	1	1	1	1	3	2	3	2	3
	C	3	1	1	1	1	1	1	3	2	3	2	3
	B	3	1	1	1	1	1	1	3	2	3	2	3
	A	3	1	1	1	1	1	1	3	2	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-X06 SEE NOTE 10 LEAD FREE OPTION	D	7	6	6	6	6	6	6	6	6	6	5	7
	C	7	6	6	6	6	6	6	6	6	6	5	7
	B	7	6	6	6	6	6	6	6	6	6	5	7
	A	7	6	6	6	6	6	6	6	6	6	5	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X07 SEE NOTE 10 LEAD FREE OPTION	D	8	6	6	6	6	6	6	6	6	6	6	6
	C	8	6	6	6	6	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6	6	6	6	6
	A	8	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-X08 SEE NOTE 10 LEAD FREE OPTION	D	3	2	3	2	3	3	3	3	2	3	2	2
	C	3	2	3	2	3	3	3	3	2	3	2	2
	B	3	2	3	2	3	3	3	3	2	3	2	2
	A	3	2	3	2	3	3	3	3	2	3	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-X09 SEE NOTE 10 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7	7	7	6	8
	C	8	7	7	7	7	7	7	7	7	7	6	8
	B	8	7	7	7	7	7	7	7	7	7	6	8
	A	8	7	7	7	7	7	7	7	7	7	6	8

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X10 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	3	3	3	2	4	4
	C	3	2	2	2	2	2	3	3	3	2	4	4
	B	3	2	2	2	2	2	3	3	3	2	4	4
	A	3	2	2	2	2	2	3	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-X11 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2
	A	3	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-X12 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	3	2	2	2	2	2
	C	3	2	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-X13 SEE NOTE 10 LEAD FREE OPTION	D	7	6	6	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6
	A	7	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-X14 SEE NOTE 10 LEAD FREE OPTION	D	7	6	6	6	6	6	7	6	6	6	6	6
	C	7	6	6	6	6	6	7	6	6	6	6	6
	B	7	6	6	6	6	6	7	6	6	6	6	6
	A	7	6	6	6	6	6	7	6	6	6	6	6

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mat'l code				tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY	
BG					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89074; sheet: 3
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code: 22526

REV E - 2006-04-18

Pro/E

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X15 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	3	2	2	2	2	2
	C	2	2	2	2	2	2	3	2	2	2	2	2
	B	2	2	2	2	2	2	3	2	2	2	2	2
	A	2	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-X16 SEE NOTE 10 LEAD FREE OPTION	D	4	2	2	2	2	2	2	2	2	2	2	2
	C	4	2	2	2	2	2	2	2	2	2	2	2
	B	4	2	2	2	2	2	2	2	2	2	2	2
	A	4	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-X17 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	2	2	4
	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	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X18 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	4	2	2	2	2	3	4
	C	3	2	2	2	2	4	2	2	2	2	3	4
	B	3	2	2	2	2	4	2	2	2	2	3	4
	A	3	1	2	2	2	4	2	2	2	2	3	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X19 SEE NOTE 10 LEAD FREE OPTION	D	4	2	2	2	2	2	2	2	4	3	3	4
	C	4	2	2	2	2	2	2	2	4	3	3	4
	B	4	2	2	2	2	2	2	2	4	3	3	4
	A	4	2	2	2	2	2	2	2	4	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X20 SEE NOTE 10 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7	7	7	7	7
	C	8	7	7	7	7	7	7	7	7	7	7	7
	B	8	7	7	7	7	7	7	7	7	7	7	7
	A	8	7	7	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-X21 SEE NOTE 10 LEAD FREE OPTION	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-X22 SEE NOTE 10 LEAD FREE OPTION	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-X23 SEE NOTE 10 LEAD FREE OPTION	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-X24 SEE NOTE 10 LEAD FREE OPTION	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-X25 SEE NOTE 10 LEAD FREE OPTION	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-X26 SEE NOTE 10 LEAD FREE OPTION	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-X27 SEE NOTE 10 LEAD FREE OPTION	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-X28 SEE NOTE 10 LEAD FREE OPTION	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	2	4	1	2	2	2

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mat'l code				tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY	
BG					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89074; sheet: 4
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code: 22526

REV E - 2006-04-18

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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-X29 SEE NOTE 10 LEAD FREE OPTION	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-X30 SEE NOTE 10 LEAD FREE OPTION	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-X31 SEE NOTE 10 LEAD FREE OPTION	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-X32 SEE NOTE 10 LEAD FREE OPTION	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-X33 SEE NOTE 10 LEAD FREE OPTION	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-X34 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	4	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	4	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-X35 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	3	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	3	2	4
	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-X36 SEE NOTE 10 LEAD FREE OPTION	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-X37 SEE NOTE 10 LEAD FREE OPTION	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-X38 SEE NOTE 10 LEAD FREE OPTION	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	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-X39 SEE NOTE 10 LEAD FREE OPTION	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-X40 SEE NOTE 10 LEAD FREE OPTION	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	4	2	
	A	2	2	2	2	2	2	2	2	2	3	2	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X41 SEE NOTE 10 LEAD FREE OPTION	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	4
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	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-X42 SEE NOTE 10 LEAD FREE OPTION	D	11	11	11	11	11	10	12	10	12	10	12	10
	C	11	11	11	11	10	12	10	12	10	12	10	12
	B	11	11	11	11	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11	11	11	11	11

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mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
BG					0.XX ±0.13			
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale: 1:1	size: A; dwg no: 89074; sheet: 5
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code: 22526

REV E - 2006-04-18

Pro/E

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X43 SEE NOTE 10 LEAD FREE OPTION	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-X44 SEE NOTE 10 LEAD FREE OPTION	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-X45 SEE NOTE 10 LEAD FREE OPTION	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-X46 SEE NOTE 10 LEAD FREE OPTION	D	4	-	-	2	-	1	2	2	2	2	2	2
	C	4	-	-	2	-	2	2	2	2	2	2	2
	B	4	-	-	2	-	4	4	4	2	2	2	2
	A	4	-	-	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-X47 SEE NOTE 10 LEAD FREE OPTION	D	8	-	-	6	-	5	6	6	6	6	6	6
	C	8	-	-	6	-	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-X48 SEE NOTE 10 LEAD FREE OPTION	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-X49 SEE NOTE 10 LEAD FREE OPTION	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-X50 SEE NOTE 10 LEAD FREE OPTION	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-X51 SEE NOTE 10 LEAD FREE OPTION	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-X52 SEE NOTE 10 LEAD FREE OPTION	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-X53 SEE NOTE 10 LEAD FREE OPTION	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-X54 SEE NOTE 10 LEAD FREE OPTION	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-X55 SEE NOTE 10 LEAD FREE OPTION	D	4	4	3	3	4	4	4	4	4	2	2	2
	C	4	4	3	3	4	4	4	2	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-X56 SEE NOTE 10 LEAD FREE OPTION	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	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-X57 SEE NOTE 10 LEAD FREE OPTION	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-X58 SEE NOTE 10 LEAD FREE OPTION	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

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mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3			
BG					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89074; sheet: 6
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							

cage code 22526

Pro/E

REV E - 2006-04-18

PDM: Rev:BG STATUS:Released Printed: Dec 29, 2007

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X59 SEE NOTE 10 LEAD FREE OPTION	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-X60 SEE NOTE 10 LEAD FREE OPTION	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

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X61 SEE NOTE 10 LEAD FREE OPTION	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	2
	A	1	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-X62 SEE NOTE 10 LEAD FREE OPTION	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-X63 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	4	2	2	4
	C	2	2	2	2	2	2	2	2	4	2	2	4
	B	2	2	2	2	2	2	2	2	4	2	2	4
	A	2	2	2	2	2	2	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-X64 SEE NOTE 10 LEAD FREE OPTION	D	2	2	4	2	2	2	2	2	2	2	2	4
	C	2	2	4	2	2	2	2	2	2	2	2	4
	B	2	2	4	4	2	2	2	2	2	2	2	4
	A	2	2	4	4	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	9	10	11	12
89074-X65 SEE NOTE 10 LEAD FREE OPTION	D	3	4	2	3	2	2	2	4	2	2	2	2
	C	3	2	2	3	2	2	2	4	2	2	2	2
	B	3	2	2	3	3	2	2	4	2	2	2	2
	A	3	2	2	3	3	2	2	4	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-X66 SEE NOTE 10 LEAD FREE OPTION	D	3	3	2	2	4	4	4	4	4	4	4	4
	C	3	3	2	2	4	4	4	4	4	4	4	4
	B	3	3	2	2	4	4	4	4	4	4	4	4
	A	3	3	2	2	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-X67 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	4	4	4	4	4	2	2
	C	2	2	2	2	2	4	4	4	4	4	2	2
	B	2	2	2	2	2	4	4	4	4	4	2	2
	A	2	2	2	2	2	4	4	4	4	4	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-X68 SEE NOTE 10 LEAD FREE OPTION	D	2	4	2	2	2	2	2	2	2	3	4	3
	C	2	4	2	2	2	2	2	2	2	3	4	3
	B	2	4	2	2	2	2	2	2	2	3	4	3
	A	2	4	2	2	2	2	2	2	2	3	4	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X69 SEE NOTE 10 LEAD FREE OPTION	D	4	4	4	4	3	3	3	4	2	3	2	2
	C	4	4	4	4	3	3	3	2	2	3	2	2
	B	4	4	4	4	3	3	3	2	2	3	3	2
	A	4	4	4	4	3	3	3	2	2	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X70 SEE NOTE 10 LEAD FREE OPTION	D	4	4	4	4	2	4	2	2	4	2	2	2
	C	4	4	4	4	2	4	2	2	4	2	2	2
	B	4	4	4	4	2	4	2	2	4	4	2	2
	A	4	4	4	4	2	4	2	2	4	4	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-X71 SEE NOTE 10 LEAD FREE OPTION	D	4	4	2	2	2	2	2	2	2	2	2	2
	C	4	4	2	2	2	2	2	2	2	2	2	2
	B	4	4	2	2	2	2	2	2	2	2	2	2
	A	4	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-X72 SEE NOTE 10 LEAD FREE OPTION	D	3	4	4	4	4	4	4	4	4	4	4	4
	C	3	4	4	4	4	4	4	4	4	4	4	4
	B	3	4	4	4	4	4	4	4	4	4	4	4
	A	3	4	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-X73 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	4	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	4	2	2
	A	2	2	2	2	2	2	2	2	2	4	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-X74 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	8	6	6
	C	6	6	6	6	6	6	6	6	6	8	6	6
	B	6	6	6	6	6	6	6	6	6	8	6	6
	A	6	6	6	6	6	6	6	6	6	8	6	6

mat'l code	--	tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no. dr date	linear	0.X ±0.3		COPY	
BG			0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
			.XXX ±.051			
		angles	0° ±2°			
		dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
		engr	M.STRAWSER	11/19/99		
		chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89074; sheet: 7
		appd	M.STRAWSER	02/29/00		
sheet index	revision sheet					cage code: 22526

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REV E - 2006-04-18

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PDM: Rev:BG STATUS:Released Printed: Dec 29, 2007

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X75 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	7	7	6	8	8
	C	6	6	6	6	6	6	6	7	7	6	8	8
	B	6	6	6	6	6	6	6	7	7	6	8	8
	A	6	6	6	6	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-X76 SEE NOTE 10 LEAD FREE OPTION	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	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X77 SEE NOTE 10 LEAD FREE OPTION	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	2
	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-X78 SEE NOTE 10 LEAD FREE OPTION	D	8	6	6	6	6	6	6	6	6	5	6	6
	C	8	6	6	6	6	6	6	6	6	8	6	6
	B	8	6	6	6	6	6	6	6	6	6	6	6
	A	8	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-X79 SEE NOTE 10 LEAD FREE OPTION	D	1	3	3	3	3	3	3	3	3	3	3	1
	C	1	3	3	3	3	3	3	3	3	3	3	1
	B	1	3	3	3	3	3	3	3	3	3	3	1
	A	1	3	3	3	3	3	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-X80 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	3	3	3
	C	2	2	2	2	2	2	2	2	2	3	3	3
	B	2	2	2	2	2	2	2	2	2	3	3	3
	A	2	2	2	2	2	2	2	2	2	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-X81 SEE NOTE 10 LEAD FREE OPTION	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-X82 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	19	1	19	1	1	19	1	1
	C	19	1	1	19	1	19	19	1	1	1	19	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-X83 SEE NOTE 10 LEAD FREE OPTION	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-X84 SEE NOTE 10 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	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-X85 SEE NOTE 10 LEAD FREE OPTION	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-X86 SEE NOTE 10 LEAD FREE OPTION	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-X87 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	3	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	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-X88 SEE NOTE 10 LEAD FREE OPTION	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-X89 SEE NOTE 10 LEAD FREE OPTION	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-X90 SEE NOTE 10 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	1	3	3	3	3	3	3	3	3

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mat'l code				tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY	
BG					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89074; sheet: 8
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code: 22526

REV E - 2006-04-18

PDM: Rev:BG STATUS:Released Printed: Dec 29, 2007

METRAL P/N	ROW	CONTACT CODE MOD. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X91 SEE NOTE 10 LEAD FREE OPTION	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	7	5	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X92 SEE NOTE 10 LEAD FREE OPTION	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. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X93 SEE NOTE 10 LEAD FREE OPTION	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. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X94 SEE NOTE 10 LEAD FREE OPTION	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. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X95 SEE NOTE 10 LEAD FREE OPTION	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	2	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X96 SEE NOTE 10 LEAD FREE OPTION	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. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X97 SEE NOTE 10 LEAD FREE OPTION	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. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X98 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	4	4	
	C	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. I						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X99 SEE NOTE 10 LEAD FREE OPTION	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

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ltr	ecn no.	dr	date				COPY	
BG				linear	0.X ±0.3		projection	title: METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					0.XX ±0.13			
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale: 1:1	size: A; dwg no: 89074; sheet: 9
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code: 22526

REV E - 2006-04-18

Pro/E

PRODUCT NUMBER
89074-XYY
89074-XYYLF

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:
   55422-XYY IS SnPb
   55422-XYYLF 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-XXXPLF

7. PRODUCT SPECIFICATION GS-12-180
   APPLICATION SPECIFICATION BUS-20-073

(8.) AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.

(9.) 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 MAXIMIM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

(10.) FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 89074-X01LF

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-N1YY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS 1	-
-5YY	TELCORDIA UE	-
-9YY	TELCORDIA CO	-
-N1YYLF	TELCORDIA CO (NXT) IEC CLASS 1	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF	TELCORDIA CO IEC CLASS 1	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

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mat'l code				tolerances unless otherwise specified			CUSTOMER	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY	
BG					0.XX ±0.13		projection	title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family METRAL / code 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size A / dwg no 89074 / sheet 10
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code 22526