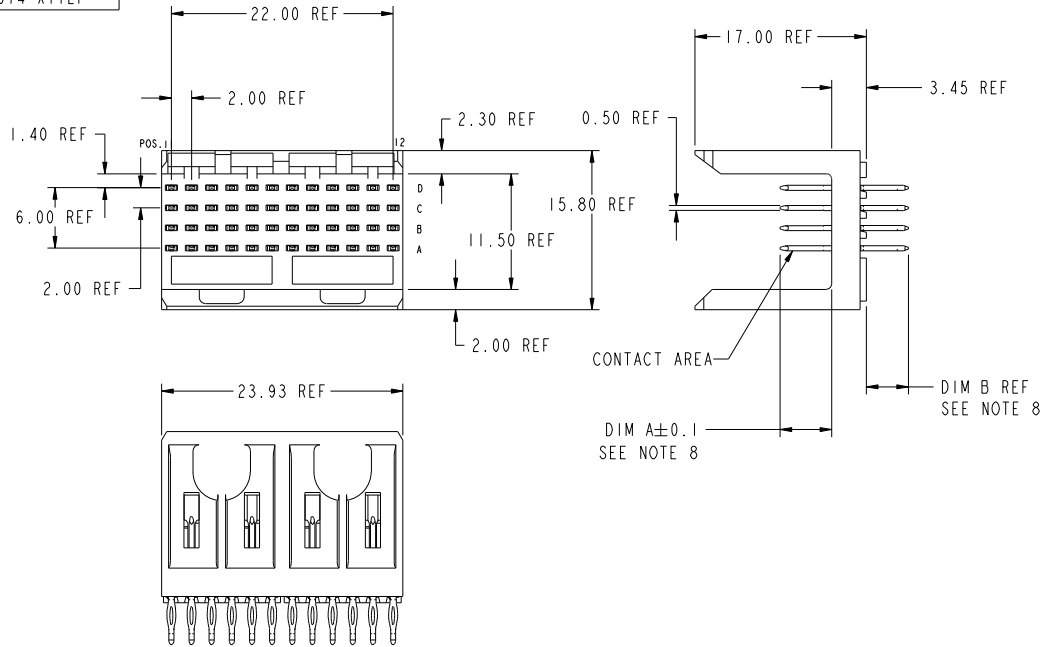


PRODUCT NUMBER
89074-XYX
89074-XYLFL



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mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	title	product family	code
BG	V06-0573	DCH	2006-06-14		0.XX ±0.13		METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT	METRAL	213
BH	DG10-0008	TER	2010-01-07		.XXX ±.051				
BJ	DG10-0214	TER	2010-06-07	angles	0° ±2°		size	dwg no	sheet
				dr	I.BRINGARD 11/19/99	scale	89074	1 of 10	
BD	V03-1209	HTB	11/10/03	eng	M.STRAMSER 11/19/99	2:1			
BE	V04-0795	TAB	08/16/04	chr	M.STRAMSER 11/19/99				
BF	V05-0030	DAI	02/11/05	appd	M.STRAMSER 02/29/00				
sheet index	revision sheet	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ
		1	2	3	4	5	6	7	8

REV: 2006-04-10

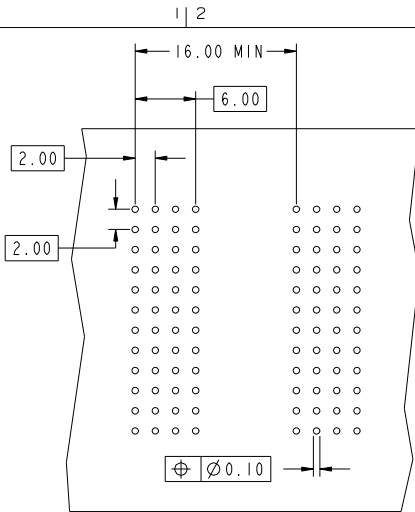
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REV: 200-04-00



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

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER	code	
BJ					0.XX ±0.13	MM		2 MOD, 4 ROW PRESS-FIT	METRAL	213	
				angles	.XXX ±.051	scale	2:1	product family		sheet	2
				dr	0 ±.2°			size	89074		
				eng	I.BRINGARD 11/19/99						
				chr	M.STRAMSER 11/19/99						
				appd	M.STRAMSER 02/29/00						
sheet index	revision sheet										

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PDM: Rev:BJ

STATUS: Released

Printed: Jun 10, 2010



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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x15 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x16 SEE NOTE 10 LEAD FREE OPTION	D	4	2	2	2	2	2	2	2
	C	4	2	2	2	2	2	2	2
	B	4	2	2	2	2	2	2	2
	A	4	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x17 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x18 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	2	3
	C	3	2	2	2	2	2	2	3
	B	3	2	2	2	2	2	2	3
	A	3	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x19 SEE NOTE 10 LEAD FREE OPTION	D	4	2	2	2	2	2	4	3
	C	4	2	2	2	2	2	4	3
	B	4	2	2	2	2	2	4	3
	A	4	2	2	2	2	2	4	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x20 SEE NOTE 10 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7
	C	8	7	7	7	7	7	7	7
	B	8	7	7	7	7	7	7	7
	A	8	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x21 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x22 SEE NOTE 10 LEAD FREE OPTION	D	2	2	1	1	3	2	4	2
	C	2	2	2	2	3	2	4	2
	B	2	2	2	2	3	2	4	2
	A	2	2	2	2	3	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x23 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	3	3	3	3	3
	C	1	1	1	3	3	3	3	3
	B	1	1	1	3	3	3	3	3
	A	1	1	1	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x24 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1
	A	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
89074-x25 SEE NOTE 10 LEAD FREE OPTION	D	3	3	1	3	3	3	3	3
	C	3	3	1	3	3	3	3	3
	B	3	3	1	3	3	3	3	3
	A	3	3	1	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x26 SEE NOTE 10 LEAD FREE OPTION	D	3	3	1	3	3	3	3	3
	C	3	3	1	3	3	3	3	3
	B	3	3	1	3	3	3	3	3
	A	3	3	1	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x27 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-x28 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	title	METRAL SIGNAL HEADER			
BJ				angles	0.XX ±0.13		2 MOD, 4 ROW PRESS-FIT		METRAL		
				dr	.XXX ±.051		product family	code		213	
				eng	0 ±.2	MM	size	dwg no		89074	
				chr		scale	A		sheet		
				appd		1:1			4		
sheet index	revision sheet										

REV: 2008-04-08

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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X29 SEE NOTE 10 LEAD FREE OPTION	D	2	2	4	4	4	4	4	4	4	4
	C	2	2	4	4	4	4	4	4	4	4
	B	2	2	4	4	4	4	4	4	4	4
	A	2	2	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X35 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	3	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	3	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X39 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	4	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X30 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	7	7
	C	6	6	6	6	6	6	6	6	6	7
	B	6	6	6	6	6	6	6	6	6	7
	A	6	6	6	6	6	6	6	6	6	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X36 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	4	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	2
	B	2	2	4	2	2	4	2	2	2	2
	A	2	2	3	2	2	4	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X40 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	4	2
	A	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X31 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	7	6	7
	C	6	6	6	6	6	6	6	6	7	6
	B	6	6	6	6	6	6	6	6	7	6
	A	6	6	6	6	6	6	6	6	7	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X37 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	4	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X41 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3	3	2	4	2	4	2	4
	C	3	3	3	3	2	4	2	4	2	4
	B	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X32 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	3	3	2	4
	C	2	2	2	2	2	2	3	3	2	4
	B	2	2	2	2	2	2	3	3	2	4
	A	2	2	2	2	2	2	3	3	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X38 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X42 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X33 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	4	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2
	A	2	2	2	2	2	4	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X34 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	4	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

mat'l code		--		tolerances unless otherwise specified		CUSTOMER	
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY
B	J			angles	0.XX ±0.13		www.fcjconnect.com
				dr	.XXX ±.051		title
				eng	0 ±.2		METRAL SIGNAL HEADER
				chr	I.BRINGARD 11/19/99		2 MOD, 4 ROW PRESS-FIT
				appd	M.STRAMSER 11/19/99		product family
					M.STRAMSER 11/19/99		size
					M.STRAMSER 02/29/00		scale
							1:1
sheet index	revision sheet						product family size
							dwg no
							89074
							code
							213
							sheet
							5

REV: 200-11-10

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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
89074-X59 SEE NOTE 10 LEAD FREE OPTION	D	6	8	6	6	6	6	6	6	6	6
	C	6	8	6	6	6	6	6	6	6	6
	B	6	8	6	6	6	6	6	6	6	6
	A	6	8	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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							
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							
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	2
	A	2	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
89074-X63 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							
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	2	2	2	2	2	2	2	2	4
	A	2	2	4	2	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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	2	2	2	4	2	2	2	2
	A	3	2	2	3	2	2	2	4	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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							
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	3	2	2	2	2	4	4	4	4	4	4	4
	A	2	2	2	2	2	4	4	4	4	4	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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							
89074-X69 SEE NOTE 10 LEAD FREE OPTION	D	4	4	4	4	3	3	3	2	3	2	2	2
	C	4	4	4	4	3	3	3	2	3	2	2	2
	B	4	4	4	4	3	3	3	2	3	2	2	2
	A	4	4	4	4	3	3	3	2	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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	2	2	2
	A	4	4	4	4	2	4	2	2	4	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
89074-X71 SEE NOTE 10 LEAD FREE OPTION	D	4	4	4	2	2	2	2	2	2	2	2	2
	C	4	4	4	2	2	2	2	2	2	2	2	2
	B	4	4	4	2	2	2	2	2	2	2	2	2
	A	4	4	4	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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							
89074-X73 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	4	2
	C	2	2	2	2	2	2	2	2	2	2	4	2
	B	2	2	2	2	2	2	2	2	2	2	4	2
	A	2	2	2	2	2	2	2	2	2	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
89074-X74 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	6	6	6	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

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER		
BJ				angles	0.XX ±0.13			2 MOD, 4 ROW PRESS-FIT			
				dr	.XX ±.051			product family	METRAL		
				eng	0 ±.2	scale		size	dwg no	213	code
				chr	I.BRINGARD 11/19/99	1:1		89074	sheet	7	
				appd	M.STRAMSER 11/19/99						
sheet index	revision sheet				M.STRAMSER 02/29/00						

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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X75 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	7	7
	C	6	6	6	6	6	6	7	7
	B	6	6	6	6	6	6	7	7
	A	6	6	6	6	6	6	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X76 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X77 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X78 SEE NOTE 10 LEAD FREE OPTION	D	8	6	6	6	6	6	6	6
	C	8	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6
	A	8	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X79 SEE NOTE 10 LEAD FREE OPTION	D	1	3	3	3	3	3	3	3
	C	1	3	3	3	3	3	3	3
	B	1	3	3	3	3	3	3	3
	A	1	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X80 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X81 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X82 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X83 SEE NOTE 10 LEAD FREE OPTION	D	6	6	7	7	6	6	7	7
	C	6	6	7	7	6	6	7	7
	B	6	6	7	7	6	6	7	7
	A	6	6	7	7	6	6	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X84 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X85 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1
	A	2	2	2	2	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X86 SEE NOTE 10 LEAD FREE OPTION	D	-	-	2	2	-	4	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	-	-	-	-	4	4	4	19

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X87 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X88 SEE NOTE 10 LEAD FREE OPTION	D	4	-	2	4	4	2	-	4
	C	4	-	4	4	2	-	4	2
	B	4	-	4	4	2	4	2	4
	A	4	-	4	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X89 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X90 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3 0.XX ±0.13 .XXX ±.051	projection	title	METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT			
B				angles	0° ±2°	MM	product family	METRAL			
				eng	I.BRINGARD 11/11/99	scale	size	213			
				chr	M.STRAMSER 11/11/99	1:1	dwg no	89074			
				appd	M.STRAMSER 02/29/00		sheet	8			
sheet index	revision sheet										

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Pro/E

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cage code 22526

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PDM: Rev:BJ

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

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

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

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

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

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

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

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

METRAL P/N	CONTACT CODE												
	MOD. 1	MOD. 2											
89074-X100 SEE NOTE 10 LEAD FREE OPTION	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	D	19	2	2	2	2	2	1	2	19	3	2	
	C	19	2	2	2	2	2	1	2	19	3	2	
	A	19	2	2	2	2	2	2	2	19	3	2	

METRAL P/N	CONTACT CODE												
	MOD. 1	MOD. 2											
89074-X101 SEE NOTE 10 LEAD FREE OPTION	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	D	19	2	2	2	19	2	19	2	2	2	3	
	C	19	2	2	2	19	2	19	2	2	2	3	
	A	19	2	2	2	19	2	19	2	2	2	3	

METRAL P/N	CONTACT CODE												
	MOD. 1	MOD. 2											
89074-X102 SEE NOTE 10 LEAD FREE OPTION	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	D	19	2	1	2	2	1	2	2	19	3	2	
	C	19	2	1	2	2	1	2	2	19	3	2	
	A	19	1	2	2	1	2	2	2	19	3	2	

METRAL P/N	CONTACT CODE												
	MOD. 1	MOD. 2											
89074-X103 SEE NOTE 10 LEAD FREE OPTION	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	D	2	2	2	2	2	2	2	2	2	2	1	
	C	2	1	1	2	2	2	2	2	2	1	2	
	A	1	2	1	1	2	2	2	2	2	1	2	

METRAL P/N	CONTACT CODE												
	MOD. 1	MOD. 2											
89074-X104 SEE NOTE 10 LEAD FREE OPTION	ROW	1	2	3	4	5	6	7	8	9	10	11	12
	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
	A	1	1	1	1	1	1	1	1	1	1	1	1

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecm no.	dr	date	linear	0, X ±0.3	projection		title	METRAL SIGNAL HEADER		
BJ				angles	.XX ±0.13			2 MOD, 4 ROW PRESS-FIT			
				dr	.XX ±.051			product family	METRAL		
				eng	of ±2°			size	213		
				chr	I.BRINGARD 11/19/99			scale	9		
				appd	M.STRANSER 11/19/99			1:1	89074		
					M.STRANSER 11/19/99						
sheet index	revision sheet				M.STRANSER 02/29/00						

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cage code 22526

PDM: Rev:BJ

STATUS: Released

Printed: Jun 10, 2010

PRODUCT NUMBER
89074-XYX
89074-XYLFL

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 X GLASS.
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:
55422-XYX IS SnPb
55422-XYLFL 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-XXXX OR XXXXX-XXXXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073

(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 I	-
-5YY	TELCORDIA UE	-
-9YY	TELCORDIA CO	-
-N1YYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

- 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.



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mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fcjconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	title	METRAL SIGNAL HEADER
BJ				angles	0.XX ±0.13			2 MOD, 4 ROW PRESS-FIT	
				dr	.XXX ±.051		product family	METRAL	code
				eng	0 ±.2	scale	size	dwg no	213
				chr	I.BRINGARD 11/19/99	1:1	A	89074	sheet
				appd	M.STRAMSER 11/19/99				10
					M.STRAMSER 02/29/00				
sheet index	revision sheet								

REV: 2008-04-10

Pro/E 3 cage code 22526 4