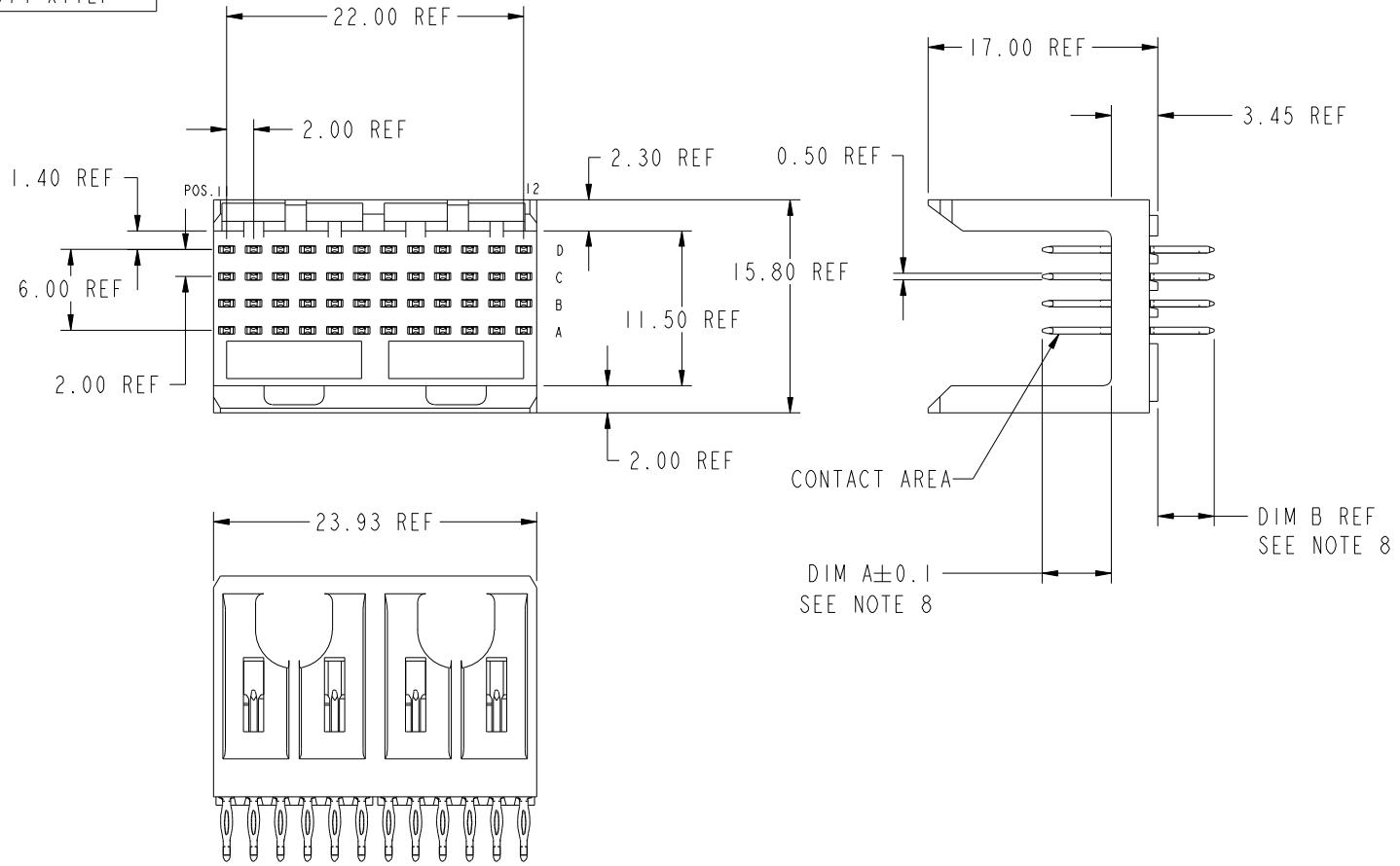


PRODUCT NUMBER
89074-XYX
89074-XYLX



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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		projection		title	
BG	V06-0573	DCH	2006-06-14		0.XX ± 0.13	MIM		METRAL		METRAL SIGNAL HEADER	
BH	DG10-0008	TER	2010-01-07		.XXX ± .051	MIM		size		213	
BJ	DG10-0214	TER	2010-06-07	angles	0° ± 2°	MIM		dwg no		1 of 10	
-	-	-	-	dr	T.BRUNGARD 11/19/99	MIM		product family		METRAL	
BD	V03-1209	HTB	11/10/03	enrg	M.STRAWSER 11/19/99	MIM		code		213	
BE	V04-0795	TAB	08/16/04	chr	M.STRAWSER 11/19/99	MIM		scale		2:1	
BF	V05-0030	DAI	02/11/05	appd	M.STRAWSER 02/29/00	MIM		A		89074	
sheet	revision	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ
index	sheet	1	2	3	4	5	6	7	8	9	10

REV E - 2008-04-18

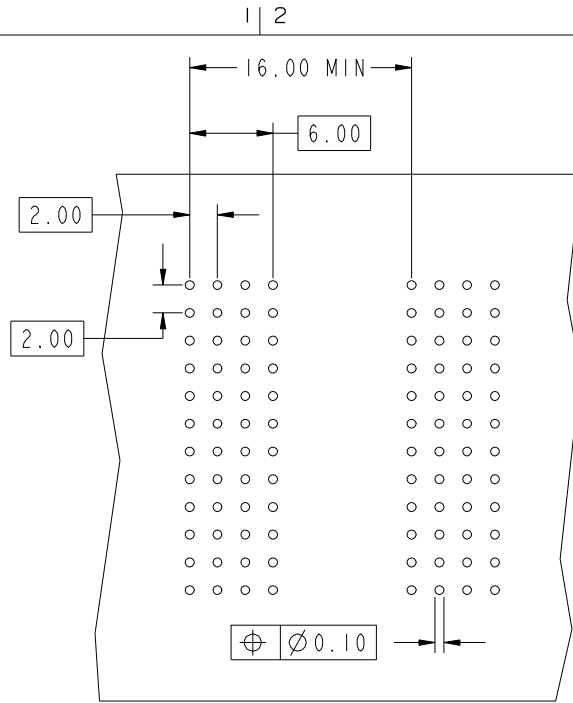
Pro/E

cage code 22526



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REV E - 2008-04-18



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

cage code 22526

Pro/E



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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
		1	2	3	4	5	6	7	8				
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				
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				
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				
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				
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				
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				
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	2	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
		1	2	3	4	5	6	7	8				
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				
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				
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	2	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
		1	2	3	4	5	6	7	8				
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				
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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
		1	2	3	4	5	6	7	8				
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				
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

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



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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	2	2
	C	2	2	2	2	2	2	2	2	2	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					
		1	2	3	4	5	6	7	8		
89074-X21 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	3	2	4	2	2
	C	2	2	2	2	3	2	4	2	2	2
	B	2	2	2	2	3	2	4	2	2	2
	A	2	2	2	2	3	2	4	2	2	2

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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X16 SEE NOTE 10 LEAD FREE OPTION	D	4	2	2	2	2	2	2	2	2	2
	C	4	2	2	2	2	2	2	2	2	2
	B	4	2	2	2	2	2	2	2	2	2
	A	4	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		
89074-X22 SEE NOTE 10 LEAD FREE OPTION	D	2	2	1	1	3	2	4	2	2	2
	C	2	2	2	2	3	2	4	2	2	2
	B	2	2	2	2	3	2	4	2	2	2
	A	2	2	2	2	3	2	4	2	2	2

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	3	3
	C	3	4	1	3	3	3	3	3	3	3
	B	3	3	1	3	3	3	3	3	3	3
	A	3	3	1	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X17 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	2	2	4
	A	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		
89074-X23 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	3	3	3	3	3	3	3
	C	1	1	1	3	3	3	3	3	3	3
	B	1	1	1	3	3	3	3	3	3	3
	A	1	1	1	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X27 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	1	1	2	2	4

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	4	2	2	2	3
	C	3	2	2	2	2	4	2	2	2	3
	B	3	2	2	2	2	4	2	2	2	3
	A	3	1	2	2	2	4	2	2	2	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	1	2
	C	1	1	1	1	1	1	1	1	1	2
	B	1	1	1	1	1	1	1	1	1	2
	A	1	1	1	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		
89074-X28 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	2
	A	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		
89074-X19 SEE NOTE 10 LEAD FREE OPTION	D	4	2	2	2	2	2	2	4	3	4
	C	4	2	2	2	2	2	2	4	3	4
	B	4	2	2	2	2	2	2	4	3	4
	A	4	2	2	2	2	2	2	4	3	4

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	7	7
	C	8	7	7	7	7	7	7	7	7	7
	B	8	7	7	7	7	7	7	7	7	7
	A	8	7	7	7	7	7	7	7	7	7

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



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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
89074-X35 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	3	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					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
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	2	4	2	2	2
	A	2	2	3	2	2	2	4	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
89074-X31 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	7	7
	B	6	6	6	6	6	6	6	6	7	7
	A	6	6	6	6	6	6	6	6	6	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
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					
		1	2	3	4	5	6	7	8		
89074-X33 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	2
	A	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		
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	2	4	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

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



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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X43 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	2	1	1	1	1	1	2
	C	1	1	1	1	2	1	1	1	1	1	2
	B	1	1	1	1	2	1	1	1	1	1	2
	A	1	1	1	1	2	1	1	1	1	1	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X44 SEE NOTE 10 LEAD FREE OPTION	D	3	1	3	2	2	2	3	2	2	2	2
	C	3	3	2	2	2	2	3	2	2	2	2
	B	3	2	2	2	2	2	3	2	2	2	2
	A	3	2	2	2	2	2	3	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X45 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	1
	B	2	2	2	2	2	2	2	2	2	2	1
	A	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			
89074-X46 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	-	-	-	4	4	4	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-X47 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	-	-	-	8	8	8	6	6	6	6
	A	8	-	-	-	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X48 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	8	8	6
	B	6	6	6	6	6	6	6	6	6	6	6
	A	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			
89074-X49 SEE NOTE 10 LEAD FREE OPTION	D	4	-	-	-	2	-	6	6	6	6	6
	C	4	-	-	-	2	-	6	6	6	6	6
	B	4	-	-	-	2	-	8	8	8	6	6
	A	4	-	-	-	2	-	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X50 SEE NOTE 10 LEAD FREE OPTION	D	2	4	2	2	2	2	2	2	2	2	2
	C	2	4	2	2	2	2	2	2	2	2	2
	B	2	4	2	2	2	2	2	2	2	2	2
	A	2	4	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			
89074-X51 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	3	3	2	4
	C	2	2	2	2	2	2	2	3	3	2	4
	B	2	2	2	2	2	2	2	3	3	2	4
	A	2	2	2	2	2	2	2	3	3	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X52 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2
	A	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			
89074-X53 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2
	A	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			
89074-X54 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	1	1	1	1	1	2	3
	C	3	2	1	1	1	1	1	1	1	2	3
	B	3	2	1	1	1	1	1	1	1	2	3
	A	3	2	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			
89074-X55 SEE NOTE 10 LEAD FREE OPTION	D	4	4	3	3	4	4	4	4	4	2	2
	C	4	4	3	3	4	4	4	4	4	2	2
	B	4	4	3	3	4	4	4	4	4	2	2
	A	4	4	3	3	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			
89074-X56 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	3	4	4	3
	A	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			
89074-X57 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-X58 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	3	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1

mat'l code		--		Tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title	
BJ				angles	0.XX ±0.13	projection		METRAL SIGNAL HEADER	
				dr	.XXX ±.051			2 MOD, 4 ROW PRESS-FIT	
				enr	0° ±2°			product family	
				chr	T.BRUNGARD 11/19/99	scale		METRAL	
				appd	M.STRAWSER 11/19/99	1:1		code	
					M.STRAWSER 02/29/00	A		size	
sheet index	revision sheet							dwg no	
								89074	
								213	
								sheet	
								6	
								cage code	
								22526	



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METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
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						
		1	2	3	4	5	6	7	8			
89074-X60 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	1	1	1	1	1	3	2	3
	C	2	2	2	1	1	1	1	1	3	2	3
	B	2	2	2	1	1	1	1	1	3	2	3
	A	2	2	2	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			
89074-X61 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2
	A	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			
89074-X62 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	4
	A	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			
89074-X63 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	4	2	4
	C	2	2	2	2	2	2	2	2	4	2	4
	B	2	2	2	2	2	2	2	2	4	2	4
	A	2	2	2	2	2	2	2	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X64 SEE NOTE 10 LEAD FREE OPTION	D	2	2	4	2	2	2	2	2	2	2	4
	C	2	2	4	2	2	2	2	2	2	2	4
	B	2	2	4	2	2	2	2	2	2	2	4
	A	2	2	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			
89074-X65 SEE NOTE 10 LEAD FREE OPTION	D	3	4	2	3	2	2	2	4	2	2	2
	C	3	2	2	3	2	2	2	4	2	2	2
	B	3	2	2	3	3	2	2	4	2	2	2
	A	3	2	2	3	3	2	2	4	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X66 SEE NOTE 10 LEAD FREE OPTION	D	3	3	2	2	4	4	4	4	4	4	4
	C	3	3	2	2	4	4	4	4	4	4	4
	B	3	3	2	2	4	4	4	4	4	4	4
	A	3	3	2	2	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X67 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	4	4	4	2	2
	C	2	2	2	2	2	2	4	4	4	2	2
	B	2	2	2	2	2	2	4	4	4	2	2
	A	2	2	2	2	2	2	4	4	4	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2						
		1	2	3	4	5	6	7	8			
89074-X68 SEE NOTE 10 LEAD FREE OPTION	D	2	4	2	2	2	2	2	2	3	4	3
	C	2	4	2	2	2	2	2	2	3	4	3
	B	2	4	2	2	2	2	2	2	3	4	3
	A	2	4	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			
89074-X69 SEE NOTE 10 LEAD FREE OPTION	D	4	4	4	4	3	3	3	4	2	3	2
	C	4	4	4	4	3	3	3	2	2	3	2
	B	4	4	4	4	3	3	3	2	2	3	2
	A	4	4	4	4	3	3	3	2	2	3	2

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

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

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

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

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X80 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X81 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X86 SEE NOTE 10 LEAD FREE OPTION	D	-	-	2	2	-	-	4	4
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	-	-	-	-	-	-	4	4

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
89074-X88 SEE NOTE 10 LEAD FREE OPTION	D	4	-	2	4	4	2	-	4
	C	4	-	4	4	4	2	-	4
	B	4	-	-	4	4	2	2	4
	A	4	-	-	4	4	2	2	4

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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 MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
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	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
BJ				angles	0.XX ±0.13	projection	title		METRAL SIGNAL HEADER
				dr	.XXX ±.051	MIM		2 MOD, 4 ROW PRESS-FIT	
				enr	0° ±2°	scale		product family	
				chr	T.BRUNGARD 11/19/99	1:1		METRAL	
				appd	M.STRAWSER 11/19/99			code	
					M.STRAWSER 02/29/00			213	
sheet index	revision sheet							size	
								dwg no	
								89074	
								sheet	
								8	
								cage code	
								22526	



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METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X91 SEE NOTE 10 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7
	A	7	7	5	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X92 SEE NOTE 10 LEAD FREE OPTION	D	1	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	1	3	3	3	3	3	3	3	3	3

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

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

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

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X96 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	1

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X97 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	3
	A	2	2	2	2	2	2	2	2	2	1

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

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

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

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

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

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

METRAL P/N	ROW	CONTACT MOD. 1				MOD. 2					
		1	2	3	4	5	6	7	8		
89074-X104 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	3	3	3	3	3	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecr no.	dr	date	linear	0.X ±0.3	COPY		title		METRAL SIGNAL HEADER	
BJ				angles	0.XX ±0.13	projection		2 MOD, 4 ROW PRESS-FIT		code	
				dr	.XXX ±.051	MIM		product family		METRAL	
				enr	0° ±2°	scale		size		213	
				chr	T.BRUNGARD 11/19/99	1:1		dwg no		89074	
				appd	M.STRAWSER 11/19/99	A		sheet		9	
					M.STRAWSER 02/29/00			cage code		22526	
sheet index	revision sheet										

PRODUCT NUMBER
89074-XYX
89074-XYLFF

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:
55422-XYX IS SnPb
55422-XYLFF 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-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- 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.

(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



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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.

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

cage code 22526