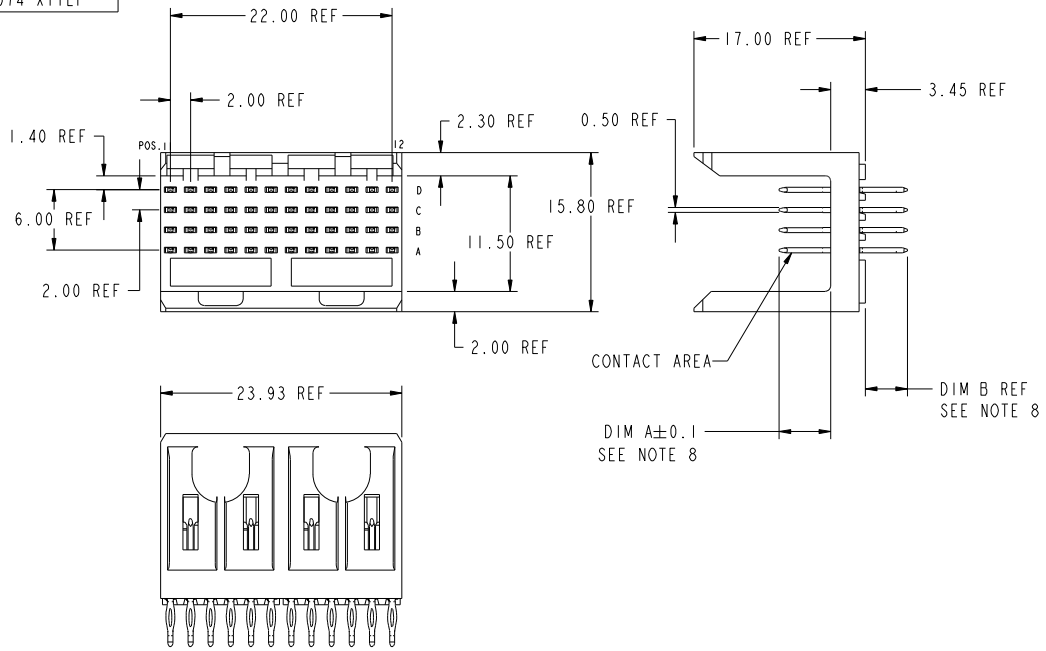


PRODUCT NUMBER
89074-XYX
89074-XYLFL



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

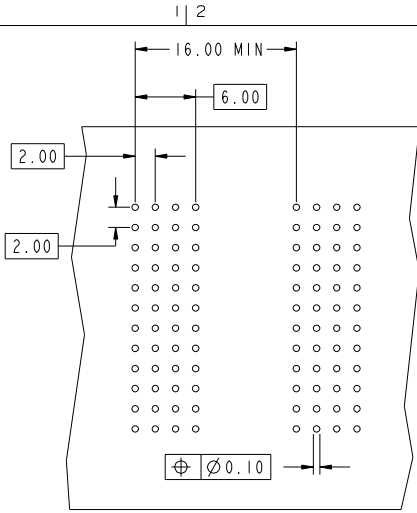
REV: 2006-04-10

Prø/E 3 cage code 22526 4



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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		FCJ		www.fcjconnect.com	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY		title		
BJ					0.XX ±0.13	MM	A		METRAL SIGNAL HEADER		
				angles	.XXX ±.051	scale	2:1		2 MOD, 4 ROW PRESS-FIT		
				dr	0° ±2°				product family		
				eng	I.BRINGARD 11/19/99				METRAL		
				eng	M.STRAMSER 11/19/99				code		
				chr	M.STRAMSER 11/19/99				213		
				appd	M.STRAMSER 02/29/00				sheet		
									2		
sheet index	revision sheet								cage code		
									22526		

Pro/E

cage code 22526

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-X01 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	1	1	1	1
	C	3	3	1	1	1	1	1	1
	B	3	2	1	1	1	1	1	1
	A	3	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-X07 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			
		1	2	3	4	5	6	7	8
89074-X10 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2
	A	3	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
	C	1	3	1	1	1	1	1	1
	B	1	3	1	1	1	1	1	1
	A	1	3	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-X08 SEE NOTE 10 LEAD FREE OPTION	D	3	2	3	2	3	3	2	3
	C	3	2	3	2	3	3	2	3
	B	3	2	3	2	3	3	2	3
	A	3	2	3	2	3	3	2	3

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	2	2
	C	3	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2
	A	3	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-X03 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	2	2	2	2
	C	3	2	1	1	2	2	2	2
	B	3	2	1	1	2	2	2	2
	A	3	2	1	1	2	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
	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-X13 SEE NOTE 10 LEAD FREE OPTION	D	7	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6
	A	7	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
	C	3	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2
	A	3	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-X10 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	3	3	2
	C	3	2	2	2	2	3	3	2
	B	3	2	2	2	2	3	3	2
	A	3	2	2	2	2	3	3	2

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	6	6
	C	7	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6
	A	7	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-X05 SEE NOTE 10 LEAD FREE OPTION	D	3	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1
	A	3	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-X10 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	3	3	2
	C	3	2	2	2	2	3	3	2
	B	3	2	2	2	2	3	3	2
	A	3	2	2	2	2	3	3	2

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	6	6
	C	7	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6
	A	7	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-X06 SEE NOTE 10 LEAD FREE OPTION	D	7	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	6	6

mat'l code		tolerances unless otherwise specified		CUSTOMER	
lit	ecn no.	dr	date	COPY	www.fcjconnect.com
BJ				projection	title
				ϕ \rightarrow	METRAL SIGNAL HEADER
				\leftarrow MM \rightarrow	2 MOD. 4 ROW PRESS-FIT
				scale	product family
				1:1	size
					dwg no
					89074
sheet index	revision sheet				code
					213
					sheet
					3

REV: 2006-04-10

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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	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-x18 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	4	2	2	3
	C	3	2	2	2	4	2	2	3
	B	3	2	2	2	4	2	2	3
	A	3	2	2	2	4	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	3	2	4	2	2
	C	2	2	2	3	2	4	2	2
	B	2	2	2	3	2	4	2	2
	A	2	2	2	3	2	4	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	3	2	4	2	2
	B	2	2	2	3	2	4	2	2
	A	2	2	2	3	2	4	2	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	2
	C	1	1	1	1	1	1	1	2
	B	1	1	1	1	1	1	1	2
	A	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-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	
ltr	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		size	dwg no		sheet	
				chr	I.BRINGARD 11/19/99		scale	89074		4	
				appd	M.STRAMSER 11/19/99	1:1					
					M.STRAMSER 11/19/99						
					M.STRAMSER 02/29/00						
sheet index	revision sheet										

REV: 200-04-00

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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-X29 SEE NOTE 10 LEAD FREE OPTION	D	2	2	4	4	4	4	4	4
	C	2	2	4	4	4	4	4	4
	B	2	2	4	4	4	4	4	4
	A	2	2	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
	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-X39 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-X30 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	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-X36 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-X40 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-X31 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	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-X37 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-X41 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			
		1	2	3	4	5	6	7	8
89074-X32 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-X38 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-X42 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-X33 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-X34 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	COPY	title	METRAL SIGNAL HEADER		
BJ				angles	0.XX ±0.13	MM		2 MOD, 4 ROW PRESS-FIT			
				dr	° ±2°	scale		product family	METRAL		
				eng	I.BRINGARD 11/19/99	1:1		size	dwg no	89074	code
				chr	M.STRANSER 11/19/99						213
				appd	M.STRANSER 02/29/00						sheet
sheet index	revision sheet										5

REV: 200-04-0

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code code 22526

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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							
89074-X43 SEE NOTE 10 LEAD FREE OPTION	D	1	2	3	4	5	6	7	8	9	10	11	12
	C	1	1	1	1	2	1	1	1	1	1	1	1
	B	1	1	1	1	2	1	1	1	1	1	1	1
	A	1	1	1	1	2	1	1	1	1	1	1	1

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

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

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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
89074-X52 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	4	2	2	2	2	2	2	2
	C	2	2	2	2	4	2	2	2	2	2	2	2
	B	2	2	2	2	4	2	2	2	2	2	2	2
	A	2	2	2	2	4	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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	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							
89074-X54 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	1	1	1	1	1	1	1	2
	C	3	2	1	1	1	1	1	1	1	1	1	2
	B	3	2	1	1	1	1	1	1	1	1	1	2
	A	3	2	1	1	1	1	1	1	1	1	1	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
89074-X55 SEE NOTE 10 LEAD FREE OPTION	D	4	4	3	3	4	4	4	4	4	4	2	2
	C	4	4	3	3	4	4	4	4	4	4	4	4
	B	4	4	3	3	4	4	4	4	4	4	4	4
	A	4	4	3	3	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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	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							
89074-X57 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	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2							
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	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
ltr	ecm no.	dr	date	COPY	
BJ				projection	title
					METRAL SIGNAL HEADER
				linear 0.X ±0.3	2 MOD, 4 ROW PRESS-FIT
				0.XX ±0.13	METRAL code
				angles .XXX ±.051	213
				of ±.2"	sheet
				dr T.BRINGARD 11/19/99	6
				eng M.STRAMSER 11/19/99	
				chr M.STRAMSER 11/19/99	
				appd M.STRAMSER 02/29/00	
sheet index	revision sheet			scale	
				1:1	

REV: 2003-01-10

1 2

Pro/E

3

code code 22526

4

PDM: Rev:BJ

STATUS: Released

Printed: Jun 10, 2010



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METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X59 SEE NOTE 10 LEAD FREE OPTION	D	1	2	3	4
	C	6	8	6	6
	B	6	8	6	6
	A	6	8	6	6

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X60 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	1
	C	2	2	2	1
	B	2	2	2	1
	A	2	2	2	1

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X61 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2
	C	2	2	2	2
	B	2	2	2	2
	A	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X62 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2
	C	2	2	2	2
	B	2	2	2	2
	A	2	2	2	2

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X63 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2
	C	2	2	2	2
	B	2	2	2	2
	A	2	2	2	2

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

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

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

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

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

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

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

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

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X72 SEE NOTE 10 LEAD FREE OPTION	D	3	4	4	4
	C	3	4	4	4
	B	3	4	4	4
	A	3	4	4	4

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

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 1	MOD. 2
89074-X74 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6
	C	6	6	6	6
	B	6	6	6	6
	A	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		
B				angles	0.XX ±0.13	MM		2 MOD, 4 ROW PRESS-FIT			
				dr	.XX ±.051	scale		product family	METRAL		
				eng	0 ±.2	1:1		size	213		
				chr	I.BRINGARD 11/19/99			dwg no	89074		
				appd	M.STRANSER 11/19/99			sheet	7		
sheet index	revision sheet				M.STRANSER 02/29/00						

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STATUS:Released

Printed: Jun 10, 2010



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METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 2
89074-X75 SEE NOTE 10 LEAD FREE OPTION	D	1	2	2
	C	6	6	6
	B	6	6	6
	A	6	6	6
89074-X76 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2
	C	2	2	2
	B	2	2	2
	A	2	2	2
89074-X77 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2
	C	2	2	2
	B	2	2	2
	A	2	2	2
89074-X78 SEE NOTE 10 LEAD FREE OPTION	D	8	6	6
	C	8	6	6
	B	8	6	6
	A	8	6	6
89074-X79 SEE NOTE 10 LEAD FREE OPTION	D	1	3	3
	C	1	3	3
	B	1	3	3
	A	1	3	3
89074-X80 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2
	C	2	2	2
	B	2	2	2
	A	2	2	2

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 2
89074-X81 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2
	C	2	2	2
	B	2	2	2
	A	2	2	2
89074-X82 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1
	C	19	1	1
	B	1	1	1
	A	1	1	1
89074-X83 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6
	C	6	6	6
	B	6	6	6
	A	6	6	6
89074-X84 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3
	C	3	3	3
	B	3	3	3
	A	3	3	3
89074-X85 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1
	C	1	1	1
	B	1	1	1
	A	2	2	2

METRAL P/N	ROW	CONTACT MOD.	CODE	MOD. 2
89074-X86 SEE NOTE 10 LEAD FREE OPTION	D	-	-	-
	C	2	2	2
	B	2	2	2
	A	-	-	-
89074-X87 SEE NOTE 10 LEAD FREE OPTION	D	1	1	1
	C	1	1	1
	B	3	3	3
	A	1	1	1
89074-X88 SEE NOTE 10 LEAD FREE OPTION	D	4	-	-
	C	4	-	-
	B	4	-	-
	A	4	-	-
89074-X89 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2
	C	2	2	2
	B	2	2	2
	A	2	2	2
89074-X90 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3
	C	3	3	3
	B	3	3	3
	A	3	3	3

mat'l code	--	tolerances unless otherwise specified	CUSTOMER	FCI
thr	ecm no.	dr	date	www.fciconnect.com
BJ				
linear	0.X ±0.3		projection	title
	.XX ±.13			METRAL SIGNAL HEADER
angles	.XX ±.051			2 MOD, 4 ROW PRESS-FIT
dr	I.BRINGARD 11/19/99		product family	METRAL
eng	M.STRAMSER 11/19/99		size	213
chr	M.STRAMSER 11/19/99		scale	8
appd	M.STRAMSER 02/29/00		1:1	
sheet index	revision sheet			

REV: 200-04-0

Pro/E 3 code code 22526



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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X92 SEE NOTE 10 LEAD FREE OPTION	D	1	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	1	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X93 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-X94 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	2	2	2	2
	C	3	2	1	1	2	2	2	2
	B	3	2	1	1	2	2	2	2
	A	3	2	1	1	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X95 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-X96 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-X97 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-X98 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-X99 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-X100 SEE NOTE 10 LEAD FREE OPTION	D	1	9	2	2	2	2	2	2
	C	1	9	2	2	2	2	2	2
	B	1	9	2	2	2	2	2	2
	A	1	9	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X101 SEE NOTE 10 LEAD FREE OPTION	D	1	9	2	2	2	2	2	2
	C	1	9	2	2	2	2	2	2
	B	1	9	2	2	2	2	2	2
	A	1	9	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X102 SEE NOTE 10 LEAD FREE OPTION	D	1	9	2	2	2	2	2	2
	C	1	9	2	2	2	2	2	2
	B	1	9	2	2	2	2	2	2
	A	1	9	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
89074-X103 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-X104 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

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		
BJ				angles	.XX ±0.13	MM		2 MOD, 4 ROW PRESS-FIT			
				dr	.XX ±.051	scale		product family	METRAL		
				eng	° ±2	1:1		size	213		
				chr	I.BRINGARD 11/19/99			dwg no	89074		
				appd	M.STRANSER 11/19/99			sheet	9		
sheet index	revision sheet				M.STRANSER 02/29/00						

REV: 200-14-10

Pro/E

cage code 22526

PDM: Rev:BJ

STATUS: Released

Printed: Jun 10, 2010

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-XXXX OR XXXXX-XXXXPF

(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

- 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.

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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