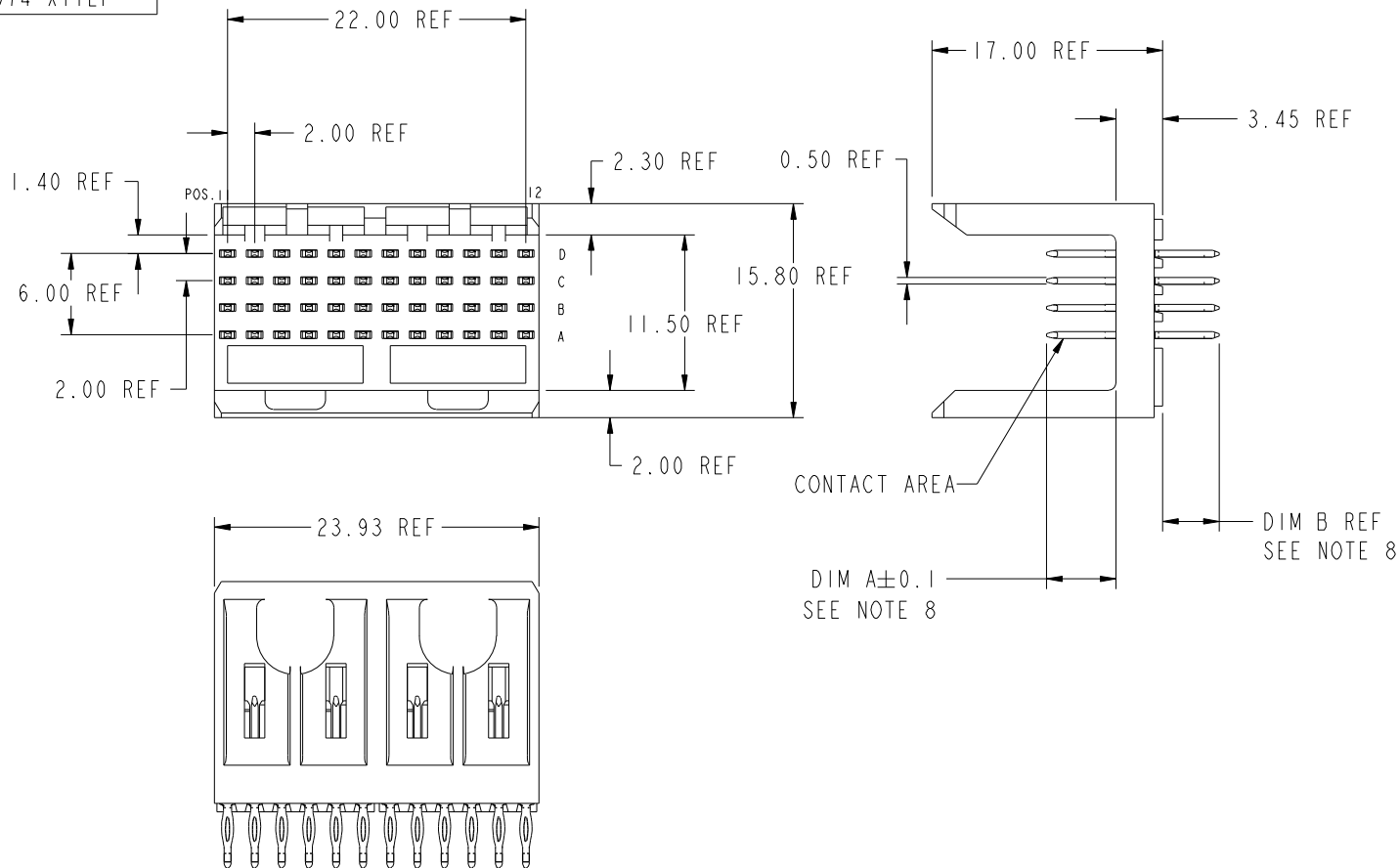




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REV E - 2006-04-18

PRODUCT NUMBER
89074-XXX
89074-XXYLF



mat'l code				tolerances unless otherwise specified				CUSTOMER			FCI		
ltr	ecr no.	dr	date					COPY			www.fciconnect.com		
BG	V06-0573	DCH	2006-06-14	linear	0.X ±0.3			projection			title		
BH	DG10-0008	TER	2010-01-07		0.XX ±0.13						METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT		
BJ	DG10-0214	TER	2010-06-07	angles	.XXX ±.051								
-	-	-	-	dr	0° ±2°			MIM			product family		
BD	V03-1209	HTB	11/10/03	enrg							METRAL		
BE	V04-0795	TAB	08/16/04	chr	T.BRUNGARD 11/19/99			scale			size		
BF	V05-0030	DAI	02/11/05	appd	M.STRAWSER 11/19/99						dwg no		
					M.STRAWSER 02/29/00			2:1			A		
sheet	revision	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	code		
index	sheet	1	2	3	4	5	6	7	8	9	213		
											sheet		
											1 of 10		

cage code 22526

Pro/E

PDM: Rev:BJ

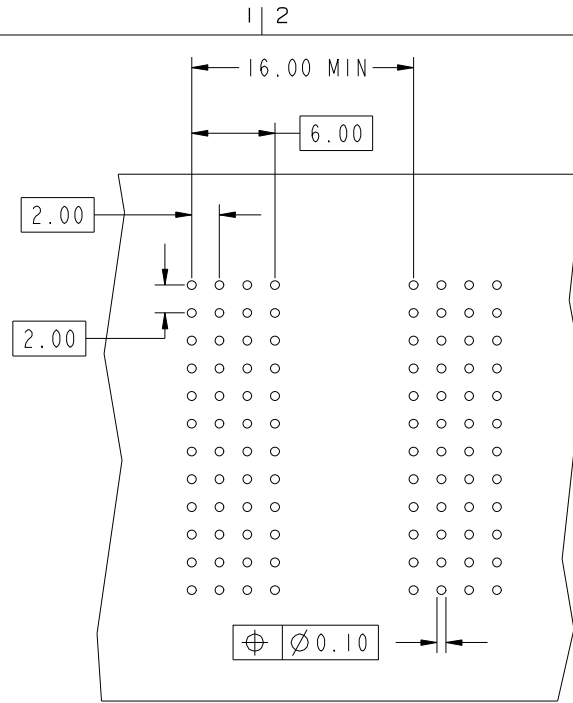
STATUS:Released

Printed: Jun 10, 2010



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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	
ltr	ecr no.	dr	date	linear	0.X ± 0.3	COPY	www.fciconnect.com	
BJ					0.XX ± 0.13	projection	title	
					.XXX $\pm .051$		METRAL SIGNAL HEADER	
				angles	0° $\pm 2^\circ$		product family	
				dr	T.BRUNGARD 11/19/99	MIM	METRAL	
				enr	M.STRAWSER 11/19/99	scale	size	code
				chr	M.STRAWSER 11/19/99	2:1	dwg no	213
				appd	M.STRAWSER 02/29/00		89074	sheet
sheet	revision							2
index	sheet							

Pro/E

cage code
22526

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

[illegible][illegible]

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-X08 SEE NOTE 10 LEAD FREE OPTION	D	3	2	3	2	3	3	3	2	3	2	2	
	C	3	2	3	2	3	3	3	2	3	2	2	
	B	3	2	3	2	3	3	3	2	3	2	2	
	A	3	2	3	2	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
89074-X12 SEE NOTE 10 LEAD FREE OPTION	D	3	2	2	2	2	2	3	2	2	2	2
	C	3	2	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	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

[illegible][illegible]

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-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
89074-X14 SEE NOTE 10 LEAD FREE OPTION	D	7	6	6	6	6	6	7	6	6	6	6
	C	7	6	6	6	6	6	7	6	6	6	6
	B	7	6	6	6	6	6	7	6	6	6	6
	A	7	6	6	6	6	6	7	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-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

[illegible][illegible]



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
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	9	10
89074-X30 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	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	9	10
89074-X31 SEE NOTE 10 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	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	9	10
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	9	10
89074-X33 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	4	2	2	2
	C	2	2	2	2	2	2	4	2	2	2
	B	2	2	2	2	2	2	4	2	2	2
	A	2	2	2	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	9	10
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	4	2	2	2
	B	2	2	2	2	2	2	4	2	2	2
	A	2	2	2	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	9	10
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	9	10
89074-X36 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	4	2	2	2
	C	2	2	2	2	2	2	4	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	9	10
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	2	4	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	9	10
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	9	10
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	9	10
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	2	4
	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	9	10
89074-X41 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3	3	3	2	4	2	4	2
	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	9	10
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

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

Pro/E

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	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	
89074-X54 SEE NOTE 10 LEAD FREE OPTION	D	3	2	1	1	1	1	1	1	1	1	2	
	C	3	2	1	1	1	1	1	1	1	1	2	
	B	3	2	1	1	1	1	1	1	1	1	2	
	A	3	2	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	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	4	2	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	
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	9	10	11	
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						0.XX ±0.13		projection		METRAL SIGNAL HEADER	
						.XXX ±.051				2 MOD, 4 ROW PRESS-FIT	
				angles		0° ±2°				product family	
				dr		T.BRUNGARD 11/19/99		MIM		METRAL	
				engr		M.STRAWER 11/19/99		scale		code	
				chr		M.STRAWER 11/19/99		1:1		213	
				appd		M.STRAWER 02/29/00				sheet	
sheet		revision								6	
index		sheet								cage code	
										22526	

Pro/E

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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	9	10
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	9	10
89074-X60 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	1	1	1	1	1	3	2
	C	2	2	2	1	1	1	1	1	3	2
	B	2	2	2	1	1	1	1	1	3	2
	A	2	2	2	1	1	1	1	1	3	2

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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89074-X68 SEE NOTE 10 LEAD FREE OPTION	D	2	4	2	2	2	2	2	2	3	4
	C	2	4	2	2	2	2	2	2	3	4
	B	2	4	2	2	2	2	2	2	3	4
	A	2	4	2	2	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
89074-X69 SEE NOTE 10 LEAD FREE OPTION	D	4	4	4	4	3	3	3	4	2	3
	C	4	4	4	4	3	3	3	2	3	2
	B	4	4	4	4	3	3	3	2	3	2
	A	4	4	4	4	3	3	3	2	3	2

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

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

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

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

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	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-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	
89074-X86 SEE NOTE 10 LEAD FREE OPTION	D	-	-	2	2	-	-	-	4	2	2	4	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	

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-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

[illegible][illegible]

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	6	7	7	6	6	6	7	7	6	8	8
	C	6	6	6	7	7	6	6	6	7	7	6	8	8
	B	6	6	6	7	7	6	6	6	7	7	6	8	8
	A	6	6	6	7	7	6	6	6	7	7	6	8	8

METAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2				
		1	2	3	4	5	6	7	8	9	10	11
89074-X88 SEE NOTE 10 LEAD FREE OPTION	D	4	-	2	4	4	2	-	4	2	-	4
	C	4	-	4	4	4	2	-	4	2	-	4
	B	4	-	-	4	4	2	2	4	2	2	4
	A	4	-	-	4	4	2	2	4	2	2	4

[illegible]

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

[illegible][illegible]

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
89074-X90 SEE NOTE 10 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3
	A	3	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	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

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



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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-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. 1					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. 1					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. 1					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. 1						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	4	2	4	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-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. 1					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. 1					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	
	B	2	2	2	2	2	2	2	2	2	4	4	
	A	2	2	2	2	2	2	2	2	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-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

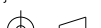
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X100 SEE NOTE 10 LEAD FREE OPTION	D	19	2	2	2	2	2	2	1	2	19	3	2
	C	19	2	2	2	2	2	2	1	2	19	3	2
	B	19	2	2	2	2	2	2	2	1	19	2	
	A	19	2	2	2	2	2	2	2	2	19	3	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X101 SEE NOTE 10 LEAD FREE OPTION	D	19	2	2	2	19	2	2	19	2	2	2	3
	C	19	2	1	2	19	2	2	19	2	2	2	3
	B	19	2	19	2	19	2	2	19	2	1	2	3
	A	19	2	1	2	19	2	2	19	2	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-X102 SEE NOTE 10 LEAD FREE OPTION	D	19	2	1	2	2	1	2	2	2	19	3	2
	C	19	2	1	2	2	2	1	2	2	19	3	2
	B	19	19	1	2	2	2	1	2	2	1	19	2
	A	19	1	2	2	1	2	2	2	2	2	19	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89074-X103 SEE NOTE 10 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	1	
	C	2	1	1	2	2	2	2	2	2	2	1	
	B	2	2	2	2	2	2	2	2	2	19	2	
	A	1	2	1	1	1	2	2	2	2	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-X104 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	3	3	3	3	3	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		 www.fciconnect.com	
litr	ecn no.	dr	date	linear	0.X ±0.3		COPY				
BJ					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT		
				dr	T.BRUNGARD	11/19/99					
				engr	M.STRAWER	11/19/99					
				chr	M.STRAWER	11/19/99	scale		product family		METRAL
				appd	M.STRAWER	02/29/00	1:1		size		dwg no
sheet index		revision sheet							A		89074
											213
											sheet 9

cage code 22526

Pro/E

3

4

PDM: Rev:BJ

STATUS:Released

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PRODUCT NUMBER
89074-XYX
89074-XYXLF

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-XYXLF 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.

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.

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

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

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
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- Формирование склада под заказчика.
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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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