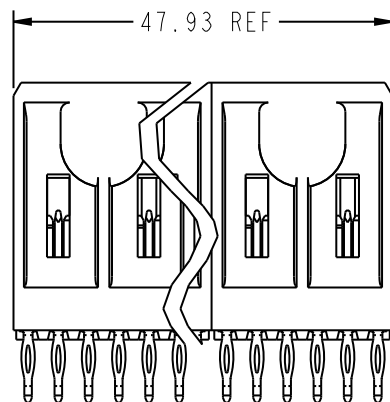
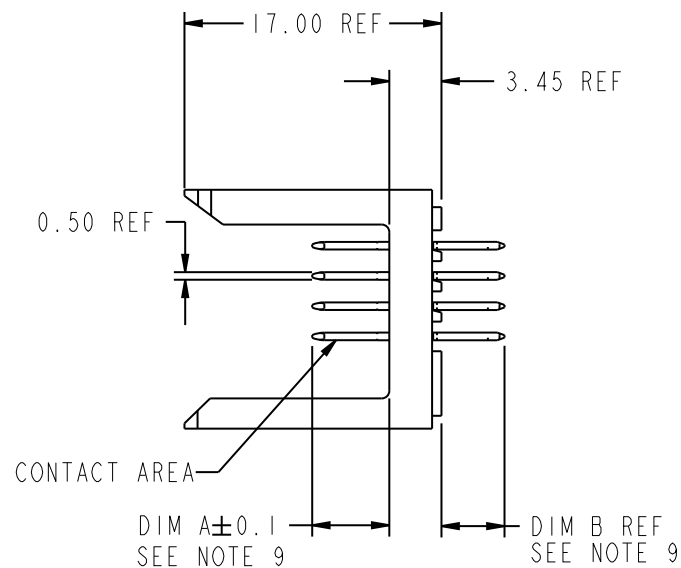
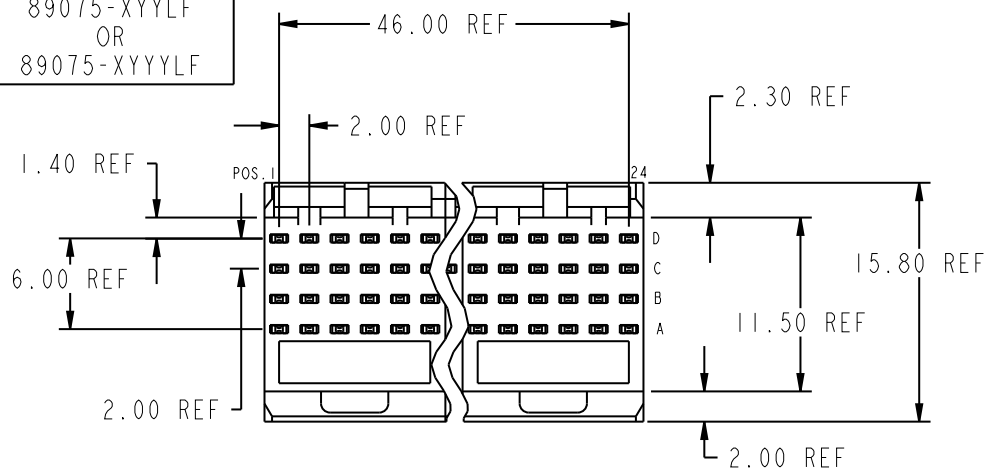
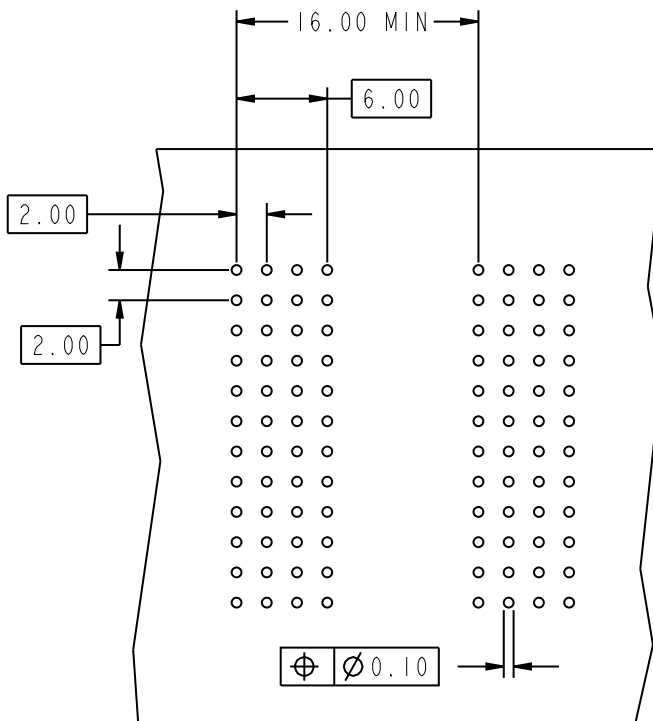




PRODUCT NUMBER
89075-XYX
OR
89075-XYXX
89075-XYXLF
OR
89075-XYXXLF



mat'l code				--				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com				
lfr	ecr no.	dr	date	linear	0. x $\pm$ 0.3				COPY								title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT			
CB	V06-0573	DCH	2006-06-14		0. xx $\pm$ 0.13				projection											
CC	DG07-0487	Cen	12/05/07		. xxx $\pm$.051															
CD	DG09-0256	TER	2009-08-19		0° $\pm$ 2°															
-	-	-	-	angles									product family METRAL				code			
BX	V05-0030	DAI	02/14/05	enrg	T. BRUNGARD 11/19/99				scale 2:1				size		dwg no		213			
BY	V05-0603	TAB	07/06/05	chr	M. STRAWSER 11/19/99								A		89075		sheet			
CA	V05-1030	LP	11/21/05	appd	M. STRAWSER 02/29/00												1 of 1			
sheet index		revision sheet		CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		



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
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
22	5.00	12.10

mat'l code				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ± 0.3	COPY			title	METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT		
CD					0.XX ± 0.13							
					.XXX $\pm .051$							
				angles	0° $\pm 2^\circ$				product family	METRAL		
				dr	T. BRUNGARD	11/19/99	scale			size	dwg no	code
				enrg	M. STRAWSER	11/19/99						
				chr	M. STRAWSER	11/19/99						
				appd	M. STRAWSER	02/29/00	2:1	A	89075	213	sheet 2	
sheet index	revision sheet											

cage code 22526

Pro/E

PDM: Rev:CD

STATUS: Released

Printed: Sep 16, 2009



1 | 2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X01 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X02 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	5	5
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X03 SEE NOTE 11 LEAD FREE OPTION	D	6	6	5	6	6	5	6	6	5	6	6	5	1	1	5	5	5	5	5	5	5	5	5	5
	C	6	6	5	6	6	5	6	6	5	6	6	5	1	1	5	5	5	5	5	5	5	5	5	5
	B	6	6	5	6	6	5	6	6	5	6	6	5	1	1	5	5	5	5	5	5	5	5	5	5
	A	6	6	5	6	6	5	6	6	5	6	6	5	1	1	5	5	5	5	5	5	5	5	5	5
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X04 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
	C	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
	B	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
	A	6	6	6	6	6	6	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X05 SEE NOTE 11 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X06 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X07 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X08 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X09 SEE NOTE 11 LEAD FREE OPTION	D	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	C	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	B	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	A	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X10 SEE NOTE 11 LEAD FREE OPTION	D	1	1	3	1	1	1	2	2	1	2	2	2	1	1	3	1	1	3	3	3	3	3	3	3
	C	1	1	3	1	1	1	2	2	1	2	1	2	1	1	3	1	1	3	3	3	3	3	3	3
	B	1	1	3	1	1	1	2	2	1	2	2	2	1	1	3	1	1	3	3	3	3	3	3	3
	A	1	1	3	1	1	1	2	2	1	2	2	2	1	1	3	1	1	3	3	3	3	3	3	3

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



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X11 SEE NOTE 11 LEAD FREE OPTION	D	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	C	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	B	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	A	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X12 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X13 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	1	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3
	C	3	3	2	2	1	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3
	B	3	3	2	2	1	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3
	A	3	3	2	2	1	1	1	1	1	3	3	2	3	3	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X14 SEE NOTE 11 LEAD FREE OPTION	D	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	19	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X15 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	19	
	C	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	19	
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X16 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	4	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	2	1	1	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X17 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8
	C	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8
	B	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8
	A	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X18 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3
	C	4	3	4	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3
	B	4	3	4	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3
	A	4	3	4	1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X19 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
	C	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
	B	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
	A	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X20 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3
	C	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3
	B	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3
	A	4	3	4	1	4	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY		projection 		title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT
CD					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±°				MM scale 1:1		product family METRAL
				dr	T. BRUNGARD 11/19/99						
				enrg	M. STRAWSER 11/19/99						
					chr		M. STRAWSER 11/19/99				size A



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X21 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	C	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	B	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	A	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X22 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X23 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	1	1	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	B	1	1	1	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	1	1	3	3	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X24 SEE NOTE 11 LEAD FREE OPTION	D	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2
	C	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2
	B	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2
	A	2	2	3	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X25 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	2
	C	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	2
	B	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	2
	A	2	2	2	1	1	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X26 SEE NOTE 11 LEAD FREE OPTION	D	2	2	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X27 SEE NOTE 11 LEAD FREE OPTION	D	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2
	C	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2
	B	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2
	A	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X28 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X29 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	3	3	2	3	3
	C	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	3	3	2	3	3
	B	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	3	3	2	3	3
	A	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	3	3	2	3	3

METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X30 SEE NOTE 11 LEAD FREE OPTION	D	3	-	-	-	3	3	3	3	3	3	3	3	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	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	3	3	3	3	-	3	3	3	3	3	3
	A	3	3	3	3	3	-	3	4	4	4	4	4	3	4	3	3	3	3	-	3	3	3	3	3	3

mat'l code				tolerances unless otherwise specified				CUSTOMER				FCJ www.fcjconnect.com				
lfr	ecn no.	dr	date	linear	0.X ±0.3				COPY				title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT			
CD					0.XX ±0.13				projection							
					.XXX ±.051											
				angles	0° ±2°								product family METRAL code 213 sheet 5			
				dr	T. BRUNGARD 11/19/99				MM							
				enrg	M. STRAWSER 11/19/99											
				chr	M. STRAWSER 11/19/99				scale 1:1				size A 89075			
				appd	M. STRAWSER 02/29/00											
sheet index		revision sheet														



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X31 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	4	3	4	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X32 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X33 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X34 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X35 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	1	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X36 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	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	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	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X37 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	6
	A	5	6	6	6	6	6	6	6	6	6	-	-	3	-	-	2	-	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X38 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
	C	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
	B	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
	A	4	4	4	4	4	4	2	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X39 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2
	C	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2
	B	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2
	A	8	7	7	7	7	8	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X40 SEE NOTE 11 LEAD FREE OPTION	D	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	C	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	B	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	A	7	7	6	6	6	6	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3

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



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X51 SEE NOTE 11 LEAD FREE OPTION	D	3	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X52 SEE NOTE 11 LEAD FREE OPTION	D	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	7	7	7	7	7
	C	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	7	7	7	7
	B	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	7	7	7	7
	A	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	7	22	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X53 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X54 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X55 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X56 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	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	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	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	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X57 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X58 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	19
	C	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	19
	B	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	19
	A	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X59 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	1
	C	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	2	2	3	1
	B	3	3	3	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	3	1
	A	3	3	3	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X60 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2	2	2	3	2	2	2
	C	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2	2	2	3	2	2	2
	B	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2	2	2	3	2	2	2
	A	2	2	2	3	3	3	3	2	2	3	2	4	2	2	2	2	2	2	2	1	3	2	2	2

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



1 | 2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X61 SEE NOTE 11 LEAD FREE OPTION	D	2	1	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
	C	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
	B	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
	A	2	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X62 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2
	C	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	1	2	2
	B	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2
	A	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X63 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	C	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	B	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
	A	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	3	2	2	4	3	3	4	4
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X64 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	C	3	3	2	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	B	3	3	2	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
	A	3	3	2	2	2	2	2	2	2	2	2	2	4	3	4	2	2	3	3	3	3	3	3	3
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X65 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	7	7

4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
89075-X66 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	C	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	B	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
	A	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
89075-X67 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	1	2	1	2	3	2	3	2	1	3	2	2	3	3	2	3	3	3	3
	C	2	2	2	2	2	2	1	2	1	2	3	3	3	2	1	3	2	2	3	3	2	3	3	3	
	B	2	2	2	2	2	2	1	2	1	2	3	3	3	2	1	3	2	2	3	3	2	3	3	3	
	A	2	2	2	2	2	2	1	2	1	2	2	3	2	1	3	2	2	3	3	2	3	3	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X68 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X69 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X70 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				
CD					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±°						
				dr	T. BRUNGARD 11/19/99						
				enrg	M. STRAWSER 11/19/99						
				chr	M. STRAWSER 11/19/99				product family METRAL code size dwg no 89075 213 sheet 9		
				appd	M. STRAWSER 02/29/00						
sheet index		revision sheet									



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X71 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	1	2	3	2
	C	8	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	2	2	3	2
	B	8	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	2	2	3	2
	A	8	7	7	7	7	7	7	7	7	7	7	7	8	6	8	7	7	2	2	2	2	3	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X72 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3
	C	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3
	B	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3
	A	8	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	3	3	2	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X73 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	2	2	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	3	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X74 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6
	C	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6
	B	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6
	A	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X75 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	C	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	B	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4
	A	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X76 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X77 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	2	2	2	2	2	2	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	2	2	2	2	2	2	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X78 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X79 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	2	3	3	1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	2	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	1	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X80 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				
CD					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±°						
				dr	T. BRUNGARD 11/19/99						
				engr	M. STRAWSER 11/19/99						
				chr	M. STRAWSER 11/19/99				product family METRAL code size dwg no 213 sheet 10		
				appd	M. STRAWSER 02/29/00						



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X81 SEE NOTE 11 LEAD FREE OPTION	D	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	3
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X82 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X83 SEE NOTE 11 LEAD FREE OPTION	D	4	2	4	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4	4	4
	C	2	4	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	3	4	3	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	4	4	4	4	3	4	3	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X84 SEE NOTE 11 LEAD FREE OPTION	D	12	10	12	11	11	11	11	11	11	11	11	11	12	12	11	11	12	12	12	12	12	12	12	12
	C	10	12	11	11	11	11	11	11	11	11	11	11	11	12	12	11	11	12	11	12	11	12	11	12
	B	11	11	11	11	11	11	11	11	11	11	11	11	10	12	11	11	12	12	12	12	11	12	11	12
	A	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	11	11	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X85 SEE NOTE 11 LEAD FREE OPTION	D	2	1	1	1	1	1	1	1	1	2	2	2	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	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X86 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X87 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	6	6	6	6	6	6	7
	C	6	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	8	8	6	6	6	6	6
	A	5	6	6	6	6	6	6	6	6	6	-	-	4	-	-	2	-	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X88 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	4	4	4	2	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	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	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X89 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	B	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X90 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6	6	6	6	6	6	6	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	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	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	6	6	6	6	6	6	6	6	6	6	6	6

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

[illegible]

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X92 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	2	2	4	2	2
	C	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	4
	B	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2
	A	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	4	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X93 SEE NOTE II LEAD FREE OPTION	D	4	4	4	4	2	2	4	4	4	4	2	2	4	2	2	4	2	2	2	2	2	2	2	4
	C	2	2	4	4	4	4	2	2	4	2	2	4	2	2	4	2	2	2	2	2	2	4	2	4
	B	4	4	4	4	2	2	4	4	4	4	2	2	4	2	2	4	2	2	2	2	2	4	2	4
	A	2	2	2	4	4	4	4	2	2	4	2	2	4	2	2	4	2	2	2	2	2	4	2	4

[illegible]

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X95 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
lfr	ecn no.	dr	date	linear	0. x ± 0.3	projection 	title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT				
CD					0. XX ± 0.13						
					. XXX $\pm .051$						
				angles	0° $\pm 2^\circ$	 scale 1:1	product family METRAL	code 213	sheet 12		
				dr	T. BRUNGARD 11/19/99					size A	dwg no 89075
				enrg	M. STRAWSER 11/19/99						
				chr	M. STRAWSER 11/19/99						
				appd	M. STRAWSER 02/29/00						
sheet index	revision sheet										

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X96 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	1
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	1
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	1
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X97 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1	-	1	1	1	1	1

[illegible]

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X99 SEE NOTE 11 LEAD FREE OPTION	D	4	2	4	3	4	2	4	2	4	2	4	2	4	4	3	3	4	4	4	4	4	4	4	4
	C	2	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	3	4	3	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	3	4	4	4	4	3	4	3	4
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X100 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	1	2	2	2	2	1	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
89075-X101 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X102 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	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	2	2	2	2	2	2	2	2	2	2	1	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X103 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X104 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	19	1	2	2	2	2	1	2	2	2	2	1	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	1	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X105 SEE NOTE 11 LEAD FREE OPTION	D	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	C	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	B	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	A	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1

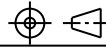
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					MOD. 3					MOD. 4							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X106 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X107 SEE NOTE 11 LEAD FREE OPTION	D	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	C	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	A	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X108 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X109 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3
	C	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3
	B	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3
	A	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	2	2	3	3	3	3	3	3	3

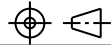
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-X110 SEE NOTE 11 LEAD FREE OPTION	D	7	5	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7
	C	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	8	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	8	7	7	7

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fcjconnect.com			
lfr	ecn no.	dr	date	linear	0.X ±0.3		projection		title	METRAL SIGNAL HEADER			
CD					0.XX ±0.13					4 MOD, 4 ROW PRESS-FIT			
					.XXX ±.051								
				angles	0° ±2°		MM		product family	METRAL			
				dr	T. BRUNGARD 11/19/99					code	213		
				enrg	M. STRAWSER 11/19/99								
				chr	M. STRAWSER 11/19/99								
				appd	M. STRAWSER 02/29/00		scale	1:1	size	dwg no			
										A	89075	sheet	13
sheet	revision												
index	sheet												

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
89075-XIII SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	1	3	1	3	1	3	3	3	3	3	1	1	1	1	1	1	1	3	1	3	1
	C	3	3	3	1	3	1	3	1	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	3
	B	3	3	3	1	3	1	3	1	3	3	3	3	3	1	1	1	1	1	1	1	3	3	3	3
	A	3	3	3	1	3	1	3	1	3	3	3	3	3	3	1	1	1	1	1	1	3	1	3	1

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com							
lfr	ecn no.	dr	date	linear			COPY				title						
CD							projection				METRAL SIGNAL HEADER						
											4 MOD, 4 ROW PRESS-FIT						
				angles							product family		METRAL		code		
				dr	T. BRUNGARD	11/19/99	scale				size		dwg no		213		
				enrg	M. STRAWSER	11/19/99	1:1				A		89075		sheet		
				chr	M. STRAWSER	11/19/99									14		
				appd	M. STRAWSER	02/29/00											
sheet index		revision sheet										cage code		22526		4	



PRODUCT NUMBER
89075-XYX OR 89075-XXXX
89075-XYLX OR 89075-XXXXX

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:
89075-XYX IS SnPb
89075-XYLX 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-XXXXP,
XXXXX-XXXXPLX OR XXXXX-XXXXPLX
 - PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
 - A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
 - AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
 - THE PRODUCTS WHERE THE PART NUMBER ENDS IN LX 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.
- FOR LEAD FREE PART NUMBERS, ADD AN "LX" SUFFIX.
EXAMPLE: 89075-X0LX

PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-AYX OR -AYXX	TELCORDIA CO	SEE NOTE 8
-N1XX OR -N1XXX	TELCORDIA CO (NXT)	-
-1XX OR -1XXX	TELCORDIA CO	-
-2XX OR -2XXX	TELECOM CLASS	-
-3XX OR -3XXX	IEC CLASS I	-
-N5XX OR -N5XXX	TELCORDIA UE (NXT)	-
-5XX OR -5XXX	TELCORDIA UE	-
-AYLX OR -AYXXLX	TELCORDIA CO	SEE NOTE 10
-N1XXLX OR -N1XXXLX	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-1XXLX OR -1XXXLX	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2XXLX OR -2XXXLX	TELECOM CLASS	SEE NOTE 10
-N5XXLX OR -N5XXXLX	TELCORDIA UE (NXT)	SEE NOTE 10
-5XXLX OR -5XXXLX	TELCORDIA UE	SEE NOTE 10

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	title METRAL SIGNAL HEADER 4 MOD, 4 ROW PRESS-FIT	
CD					0.XX ±0.13				
					.XXX ±0.051				
				angles	0° ±2°	MM	scale	product family METRAL code 213 size dwg no 89075 sheet 15	
				dr	T. BRUNGARD 11/19/99				
				enrg	M. STRAWSER 11/19/99				
				chr	M. STRAWSER 11/19/99	A	1:1		
				appd	M. STRAWSER 02/29/00				
sheet index	revision sheet								

cage code 22526

Pro/E

PDM: Rev:CD

STATUS: Released

Printed: Sep 16, 2009