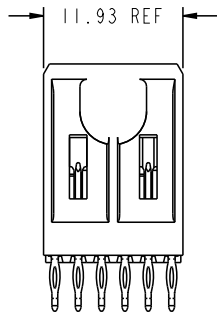
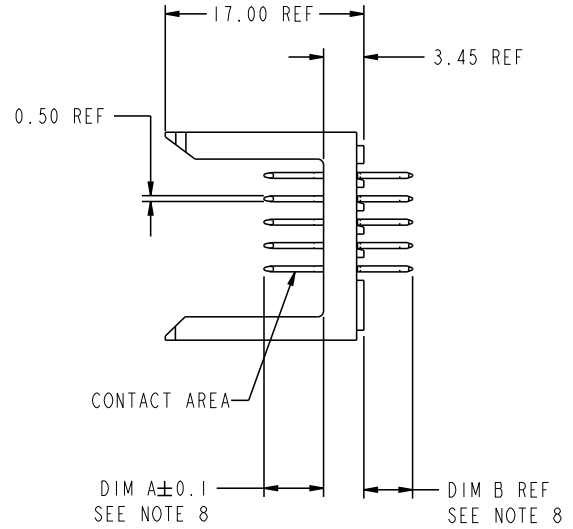
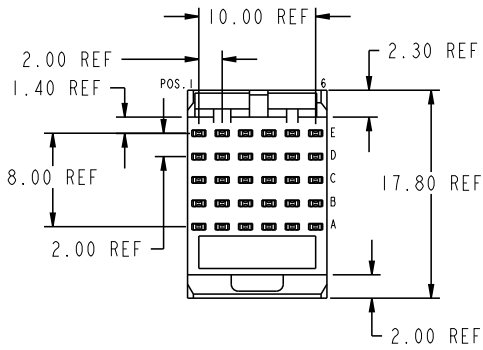


PRODUCT NUMBER
89025-XYX
89025-XYXLF



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ		www.fciconnect.com	
itr	ecm no.	dr	date	0.X ±0.3				COPY		title		code	
CP	V06-0573	DCH	2006-06-14	0.XX ±0.13				projection		METRAL SIGNAL HEADER		213	
CR	DG09-0256	TER	2009-08-19	.XXX ±.051				MM		I MOD, 5 ROW PRESS-FIT		1 of 8	
-	-	-	-	angles				scale		product family		sheet	
CK	V03-0031	TAB	02/08/03	0° ±2°				2:1		METRAL		1 of 8	
CL	V03-1321	DAI	01/15/04	dr T.BRUNGARD 11/19/99				A		size		89025	
CM	V04-0459	LP	5/25/04	engr M.STRAWER 11/19/99						dwg no			
CN	V05-0030	DAI	02/10/05	chr M.STRAWER 11/19/99									
				oppd M.STRAWER 02/29/00									
sheet index	revision sheet	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
		1	2	3	4	5	6	7	8				
Pro/E										code code		22526	



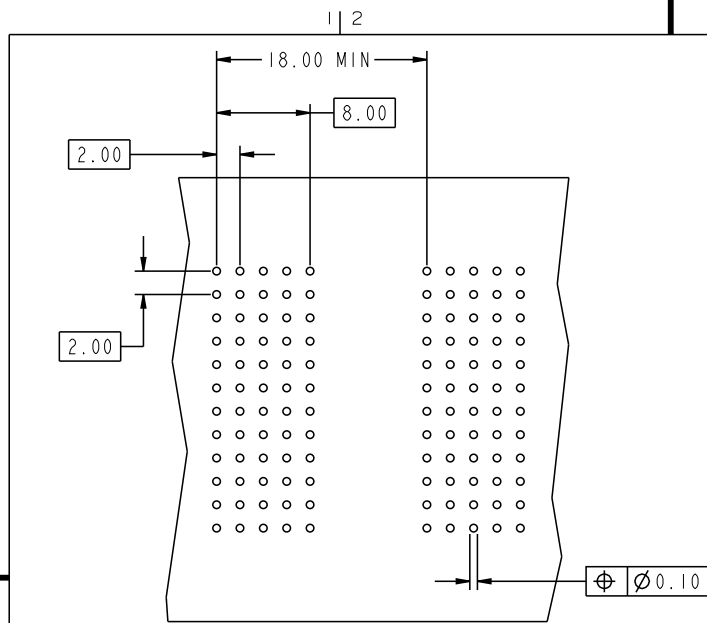
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REV E - 2006-04-18

PDM: Rev:CR STATUS:Released Printed: Sep 16, 2009



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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
9	5.00	17.00
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
15	8.25	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
23	8.00	17.70
24	6.50	16.30
25	5.75	15.60
26	5.00	14.90
27	5.75	12.40
29	8.00	14.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
32	6.50	12.90
38	7.25	14.40
39	8.00	14.40
40	5.00	15.60
41	6.50	15.60
44	5.75	12.10
45	6.50	12.10
49	5.75	15.10
54	5.00	11.50

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fciconnect.com	
CR					0.XX ±0.13	MM		title METRAL SIGNAL HEADER	
				angles	.XXX ±.051	scale	1:1	I MOD, 5 ROW PRESS-FIT	
				dr	∠ ±2°			product family	METRAL
				engr	T. BRUNGARD 11/19/99			size	dwg no 213
				chr	M. STRAWSER 11/19/99			sheet	2
				appr	M. STRAWSER 02/29/00			code	89025
sheet index	revision sheet							code code	22526

PDM: Rev:CR STATUS:Released Printed: Sep 16, 2009



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METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X01 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10
	D	10	10	10	10	10
	C	9	9	9	9	9
	B	10	10	10	10	10
A	3	3	3	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X05 SEE NOTE 10 LEAD FREE OPTION	E	26	12	12	12	23
	D	26	12	12	12	23
	C	23	12	12	12	23
	B	24	12	12	12	23
A	24	12	12	12	23	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X09 SEE NOTE 10 LEAD FREE OPTION	E	21	21	11	11	11
	D	21	21	11	11	11
	C	21	21	11	11	11
	B	21	21	11	11	11
A	21	21	11	11	11	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X13 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10
	D	9	9	9	9	9
	C	10	10	10	10	10
	B	10	10	10	10	10
A	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X17 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2
	D	2	2	2	2	2
	C	4	4	4	4	4
	B	2	2	2	2	2
A	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X02 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2
	D	2	2	2	3	2
	C	2	1	2	3	2
	B	2	2	2	3	2
A	2	2	2	3	2	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X06 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25
	D	25	25	25	25	25
	C	25	25	25	25	25
	B	25	25	25	25	25
A	25	25	25	25	25	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X10 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	19	3
	D	19	3	19	3	19
	C	3	1	19	3	19
	B	3	19	3	19	3
A	3	3	19	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X14 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25
	D	25	25	25	25	25
	C	25	25	25	25	25
	B	25	25	25	25	25
A	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X18 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6
	D	6	6	6	6	6
	C	8	8	8	8	8
	B	6	6	6	6	6
A	6	6	6	6	6	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X03 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2
	D	2	2	2	2	2
	C	2	1	2	3	2
	B	2	2	2	3	2
A	2	2	2	3	2	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X07 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2
	D	6	6	6	6	6
	C	6	6	6	6	6
	B	6	6	6	6	6
A	6	6	6	6	6	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X11 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10
	D	10	10	10	10	10
	C	10	10	10	10	10
	B	10	10	10	10	10
A	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X15 SEE NOTE 10 LEAD FREE OPTION	E	3	19	19	3	3
	D	3	19	19	3	3
	C	3	19	19	3	3
	B	3	19	19	3	3
A	3	19	19	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X19 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	1	1
	D	3	3	3	3	3
	C	3	3	3	3	3
	B	3	3	3	3	3
A	3	3	3	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X04 SEE NOTE 10 LEAD FREE OPTION	E	12	25	23	23	25
	D	12	25	23	23	25
	C	12	25	23	23	25
	B	12	25	23	23	25
A	12	25	23	23	25	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X08 SEE NOTE 10 LEAD FREE OPTION	E	4	2	19	19	19
	D	4	2	19	19	19
	C	4	2	19	19	19
	B	4	2	19	19	19
A	4	2	19	19	19	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X12 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10
	D	9	9	9	9	9
	C	10	10	10	10	10
	B	10	10	10	10	10
A	3	3	3	3	3	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X16 SEE NOTE 10 LEAD FREE OPTION	E	3	19	19	3	4
	D	3	19	19	3	4
	C	3	19	19	3	4
	B	3	19	19	3	4
A	3	19	19	3	4	

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X20 SEE NOTE 10 LEAD FREE OPTION	E	1	4	4	4	19
	D	1	4	4	4	19
	C	19	4	4	4	19
	B	3	4	4	4	19
A	3	4	4	4	19	

mat'l code		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	0.X ±0.3	projection	www.fciconnect.com	
CR				0.XX ±0.13	MM	title METRAL SIGNAL HEADER	
				.XXX ±.051	scale	product family METRAL	
				angles	1:1	code 213	
				dr T.BRUNGARD 11/19/99		size 89025	
				eng M.STRAWER 11/19/99		sheet 3	
				chr M.STRAWER 11/19/99		cage code 22526	
				appd M.STRAWER 02/29/00			
sheet index	revision	sheet					



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METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X21 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25
	D	40	40	40	40	40
	C	25	25	25	25	25
	B	25	25	25	25	25
	A	3	3	3	3	3
89025-X22 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1
	D	1	1	1	1	1
	C	1	1	1	1	1
	B	19	4	4	4	4
	A	1	1	1	1	1
89025-X23 SEE NOTE 10 LEAD FREE OPTION	E	2	-	-	-	-
	D	-	-	-	-	-
	C	2	-	-	-	-
	B	-	-	-	-	-
	A	2	-	-	-	-
89025-X24 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2
	D	4	2	2	2	2
	C	4	2	2	2	2
	B	4	2	2	2	2
	A	4	2	2	2	2

mat'l code		tolerances unless otherwise specified		CUSTOMER	
lfr	ecm no.	dr	date	projection	title
CR				MM	METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
				scale	product family
				1:1	METRAL
					code
					213
					sheet
					4
sheet index	revision				
	sheet				



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X41 SEE NOTE 10 LEAD FREE OPTION	E	1	-	-	1	-	1
	D	1	-	-	1	-	1
	C	1	-	-	1	-	1
	B	1	-	-	1	-	1
	A	1	-	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X45 SEE NOTE 10 LEAD FREE OPTION	E	1	3	3	3	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X49 SEE NOTE 10 LEAD FREE OPTION	E	11	-	11	-	11	-
	D	11	-	11	-	11	-
	C	-	-	-	-	-	-
	B	11	-	11	-	11	-
	A	11	-	11	-	11	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X53 SEE NOTE 10 LEAD FREE OPTION	E	7	5	5	5	5	5
	D	7	5	5	5	5	5
	C	7	5	5	5	5	5
	B	7	5	5	5	5	5
	A	7	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X57 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	13	4	4	4	4	4
	C	13	4	4	4	4	4
	B	4	4	4	4	4	4
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X42 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	19	19	19	19	19	19
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X46 SEE NOTE 10 LEAD FREE OPTION	E	19	19	1	4	4	4
	D	19	19	1	4	4	4
	C	19	19	1	4	4	4
	B	19	19	1	4	4	4
	A	19	19	1	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X50 SEE NOTE 10 LEAD FREE OPTION	E	1	19	19	19	19	1
	D	1	19	19	19	19	1
	C	1	19	19	19	19	1
	B	1	19	19	19	19	1
	A	1	19	19	19	19	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X54 SEE NOTE 10 LEAD FREE OPTION	E	22	22	22	22	22	22
	D	22	22	22	22	22	22
	C	22	22	22	22	22	22
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X58 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	7	7
	D	20	7	7	7	7	7
	C	20	7	7	7	7	7
	B	20	7	7	7	7	7
	A	20	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X43 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19
	D	19	19	19	19	19	19
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X47 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	4	4
	D	2	2	2	2	4	4
	C	2	2	2	2	2	2
	B	2	2	2	2	19	19
	A	2	2	2	2	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X51 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2
	D	-	2	-	2	-	2
	C	-	2	-	2	-	2
	B	-	-	-	-	-	-
	A	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X55 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19
	D	1	1	19	19	19	19
	C	1	1	19	19	19	19
	B	1	1	19	19	19	19
	A	1	1	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X59 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3	3
	D	19	3	3	3	3	3
	C	19	3	3	3	3	3
	B	19	3	3	3	3	3
	A	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X44 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20
	D	20	20	20	20	20	20
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X48 SEE NOTE 10 LEAD FREE OPTION	E	3	-	3	-	3	-
	D	3	-	3	-	3	-
	C	-	-	-	-	-	-
	B	3	-	3	-	3	-
	A	3	-	3	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X52 SEE NOTE 10 LEAD FREE OPTION	E	1	3	3	3	3	19
	D	3	3	3	3	3	19
	C	3	3	3	3	3	19
	B	3	3	3	3	3	19
	A	3	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X56 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	44	7	7	7
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X60 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	-
	D	19	19	19	19	19	-
	C	19	19	19	19	19	-
	B	19	19	19	19	19	-
	A	19	19	19	19	19	-

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fciconnect.com	
CR				angles	0.XX ±0.13		title	METRAL SIGNAL HEADER	
				dr	.XXX ±.051		product family	METRAL	
				eng	±2°	scale	size	dwg no	code
				chr	T.BRUNGARD 11/19/99	1:1	A	89025	213
				appd	M.STRAWNER 11/19/99			5	
sheet index	revision	sheet			M.STRAWNER 02/29/00				



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X61 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	3
	D	3	19	3	3	3	3
	C	3	19	3	3	3	3
	B	19	19	3	3	3	3
	A	19	19	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X65 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	19
	D	3	3	3	3	3	19
	C	3	3	3	3	3	19
	B	3	3	3	3	3	19
	A	3	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X69 SEE NOTE 10 LEAD FREE OPTION	E	14	6	8	8	8	8
	D	14	7	8	8	8	8
	C	14	7	8	8	8	8
	B	14	7	8	8	8	8
	A	14	7	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X73 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2
	D	2	-	2	-	2	-
	C	-	2	-	2	-	2
	B	2	-	2	-	2	-
	A	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X77 SEE NOTE 10 LEAD FREE OPTION	E	7	7	5	20	7	7
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X62 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-
	D	-	-	-	-	-	-
	C	-	-	-	-	-	-
	B	-	-	-	-	-	-
	A	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X66 SEE NOTE 10 LEAD FREE OPTION	E	3	1	1	1	1	1
	D	3	1	1	1	1	1
	C	3	1	1	1	1	1
	B	3	1	1	1	1	1
	A	3	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X70 SEE NOTE 10 LEAD FREE OPTION	E	13	2	4	4	4	4
	D	13	3	4	4	4	4
	C	13	3	4	4	4	4
	B	13	3	4	4	4	4
	A	13	3	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X74 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-
	D	2	-	2	-	2	-
	C	-	2	-	2	-	2
	B	2	-	2	-	2	-
	A	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X78 SEE NOTE 10 LEAD FREE OPTION	E	54	54	39	54	54	54
	D	54	54	39	54	54	54
	C	54	54	39	54	54	54
	B	54	54	39	54	54	54
	A	54	54	39	54	54	54

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X63 SEE NOTE 10 LEAD FREE OPTION	E	8	27	29	29	29	27
	D	8	27	29	29	29	27
	C	8	27	29	29	29	27
	B	8	27	29	29	29	27
	A	8	27	29	29	29	27

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X67 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20
	D	5	5	20	20	20	20
	C	5	5	20	20	20	20
	B	5	5	20	20	20	20
	A	5	5	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X71 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	8	8	8
	D	20	20	20	8	8	8
	C	20	20	20	8	8	8
	B	20	20	20	8	8	8
	A	20	20	20	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X75 SEE NOTE 10 LEAD FREE OPTION	E	54	54	54	54	39	54
	D	54	54	54	54	39	54
	C	54	54	54	54	39	54
	B	54	54	54	54	39	54
	A	54	54	54	54	39	54

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X79 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	2	2	2	2	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X64 SEE NOTE 10 LEAD FREE OPTION	E	45	-	45	-	45	-
	D	45	-	45	-	45	-
	C	-	-	-	-	-	-
	B	45	-	45	-	45	-
	A	45	-	45	-	45	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X68 SEE NOTE 10 LEAD FREE OPTION	E	21	21	21	21	21	21
	D	9	9	21	21	21	21
	C	9	9	21	21	21	21
	B	9	9	21	21	21	21
	A	9	9	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X72 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	4	4	4
	D	19	19	19	4	4	4
	C	19	19	19	4	4	4
	B	19	19	19	4	4	4
	A	19	19	19	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X76 SEE NOTE 10 LEAD FREE OPTION	E	3	3	1	19	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X80 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	6	6	6	6	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.13	projection	title	www.fciconnect.com	
CR				angles	.XXX ±.051		METRAL SIGNAL HEADER		
				dr	T. BRUNGARD 11/19/99	MM	product family	METRAL	code
				eng	M. STRAWSER 11/19/99	scale	size	dwg no	213
				chr	M. STRAWSER 11/19/99	1:1	A	89025	sheet
				appd	M. STRAWSER 02/29/00			6	
sheet index	revision	sheet							



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METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X81 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2
	D	2	2	2	2	2
	C	2	2	2	2	1
	B	1	1	1	1	1
	A	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X85 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	3
	D	-	-	-	-	3
	C	-	-	-	-	-
	B	-	-	-	-	3
	A	-	-	-	-	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X89 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2
	D	4	2	2	2	2
	C	4	2	2	2	2
	B	4	2	2	2	2
	A	4	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X93 SEE NOTE 10 LEAD FREE OPTION	E	2	3	2	2	4
	D	2	3	2	2	4
	C	2	3	2	2	4
	B	2	3	2	2	4
	A	2	3	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X97 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	-
	D	3	3	3	3	-
	C	3	3	3	3	3
	B	3	3	3	3	3
	A	3	3	3	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X82 SEE NOTE 10 LEAD FREE OPTION	E	7	-	38	38	-
	D	7	-	38	38	-
	C	7	-	38	38	-
	B	7	-	38	38	-
	A	7	-	38	38	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X86 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3
	D	19	3	3	3	3
	C	19	3	3	3	3
	B	19	3	3	3	3
	A	19	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X90 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	2
	D	19	3	3	3	2
	C	19	3	3	3	2
	B	19	3	3	3	2
	A	19	3	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X94 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3
	D	3	19	3	3	3
	C	3	19	3	3	3
	B	19	19	3	3	3
	A	19	19	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X98 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	19	19
	D	4	4	4	19	19
	C	4	4	4	19	19
	B	4	4	4	19	19
	A	4	4	4	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X83 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	-	1
	D	1	1	1	-	1
	C	1	1	1	-	1
	B	1	1	1	-	-
	A	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X87 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1
	D	2	2	2	2	2
	C	3	3	3	3	3
	B	2	2	2	2	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X91 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	6
	D	20	7	7	7	6
	C	20	7	7	7	6
	B	20	7	7	7	6
	A	20	7	7	7	6

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X95 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2
	D	2	2	2	2	2
	C	1	2	2	2	2
	B	2	2	2	2	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X99 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	20	20
	D	8	8	8	20	20
	C	8	8	8	20	20
	B	8	8	8	20	20
	A	8	8	8	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X84 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7
	D	7	41	7	7	7
	C	41	7	41	7	7
	B	7	7	41	7	7
	A	7	7	7	45	7

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X88 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2
	D	2	2	2	2	2
	C	4	2	2	2	2
	B	2	2	2	2	2
	A	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X92 SEE NOTE 10 LEAD FREE OPTION	E	19	4	4	4	4
	D	19	4	4	4	4
	C	19	4	4	4	4
	B	19	4	4	4	4
	A	19	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X96 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	-	3
	D	3	3	3	-	3
	C	3	3	3	-	3
	B	3	3	3	-	-
	A	3	3	3	3	3

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ± 0.3	projection	COPY	www.fciconnect.com	
CR				angles	0.XX ± 0.13		title	METRAL SIGNAL HEADER	
					.XXX ± .051		product family	I MOD, 5 ROW PRESS-FIT	
				dr	0° ± 2°	scale	size	METRAL	code
				eng	T. BRUNGARD 11/19/99	1:1	dwg no	213	sheet
				chr	M. STRAWSER 11/19/99		89025	7	
				appd	M. STRAWSER 02/29/00				
sheet index	revision	sheet							

PRODUCT NUMBER
89025-XYX
89025-XYLFF

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:
55422 -XYX IS SnPb
55422-XYLFF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXP OR XXXXX-XXXPLF

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	-
-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.

- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX. EXAMPLE: 89025-XOILF

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0, X ±0,3	projection	COPY	title METRAL SIGNAL HEADER			
CR				angles	.XXX ±.051			1 MOD, 5 ROW PRESS-FIT			
				dr	T.BRUNGARD 11/19/99		product family	METRAL		code	213
				eng	M.STRAWER 11/19/99	scale	size	dwg no	89025		
				chr	M.STRAWER 11/19/99	1:1	A	sheet 8			
				appd	M.STRAWER 02/29/00						
sheet index	revision sheet										



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