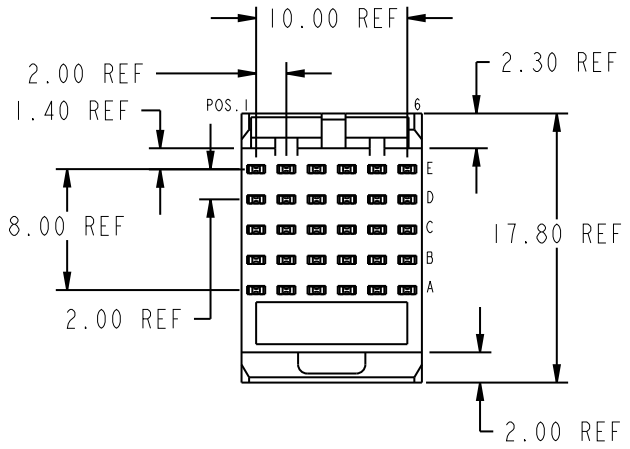
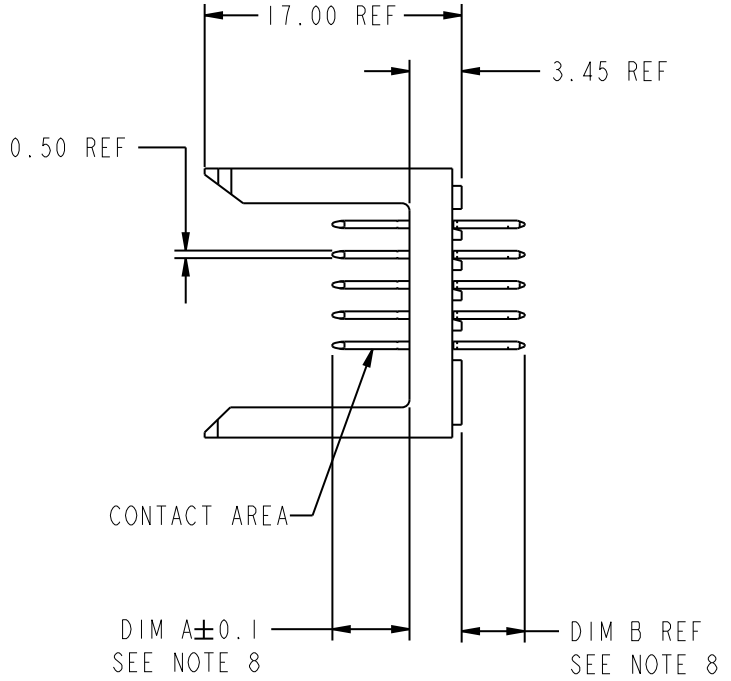
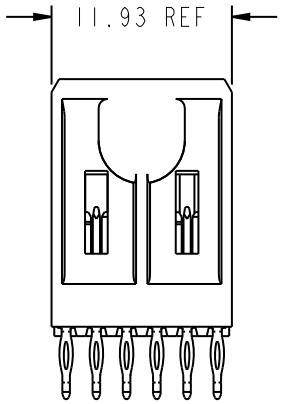
PRODUCT NUMBER
89025-XYY
89025-XYYLF







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ltr	ecn no.	dr	date		0.X ±0.3	projection	title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
CP	V06-0573	DCH	2006-06-14	linear	0.XX ±0.13		
CR	DG09-0256	TER	2009-08-19		.XXX ±.051		
-	-	-	-	angles	0° ±2°		
CK	V03-0031	TAB	02/08/03	dr	T.BRUNGARD 11/19/99	MM	product family: METRAL; code: 213
CL	V03-1321	DAI	01/15/04	engr	M.STRAWSER 11/19/99		
CM	V04-0459	LP	5/25/04	chr	M.STRAWSER 11/19/99	scale: 2:1	size: A; dwg no: 89025; sheet: 1 of 8
CN	V05-0030	DAI	02/10/05	appd	M.STRAWSER 02/29/00		

sheet index	revision									
	sheet	1	2	3	4	5	6	7	8	
		CR	CR	CR	CR	CR	CR	CR	CR	

cage code 22526

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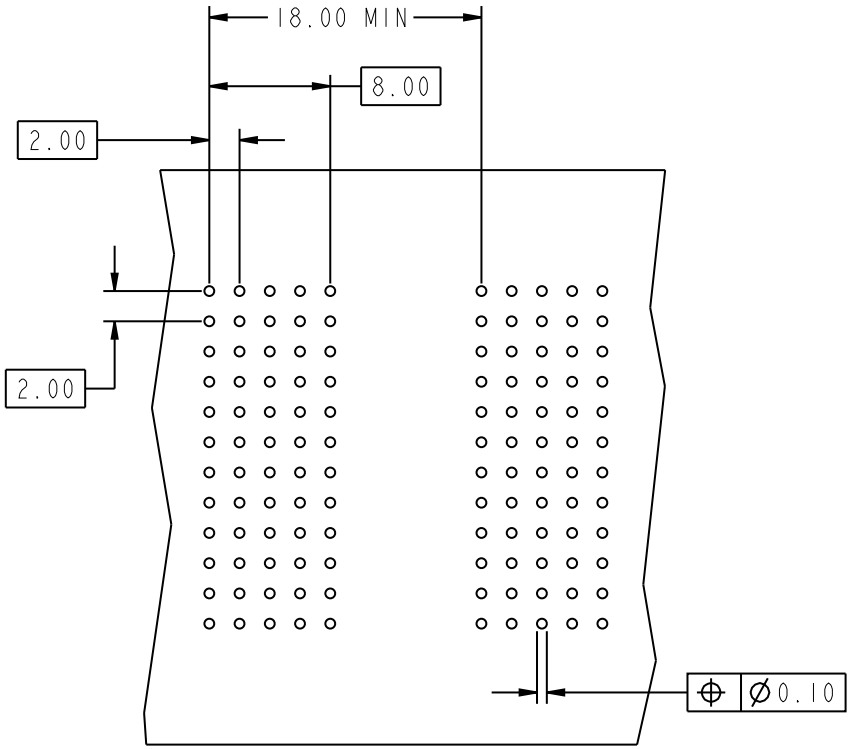

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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

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ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY	
CR					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89025; sheet: 2
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							cage code: 22526

REV E - 2006-04-18

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X01 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	9	9	9	9	9	9
	B	10	10	10	10	10	10
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X05 SEE NOTE 10 LEAD FREE OPTION	E	26	12	12	12	12	23
	D	26	12	12	12	12	23
	C	23	12	12	12	12	23
	B	24	12	12	12	12	23
	A	24	12	12	12	12	23

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X09 SEE NOTE 10 LEAD FREE OPTION	E	21	21	12	11	10	11
	D	21	21	11	11	11	11
	C	21	21	11	11	11	11
	B	21	21	11	11	11	11
	A	21	21	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X13 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X17 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	4	4	4	4	4	4
	B	2	2	2	2	2	1
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X02 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	2
	D	2	2	2	3	2	2
	C	2	1	2	3	3	2
	B	2	2	2	3	2	2
	A	2	2	2	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X06 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25
	D	25	25	25	25	25	25
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	25	25	25	25	25	25

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X10 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	3	19	3
	D	19	3	3	19	3	3
	C	3	1	19	3	3	19
	B	3	19	3	3	19	3
	A	3	3	3	19	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X14 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25
	D	25	25	25	25	25	25
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	2	2	2	2	2	2

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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X03 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2	2
	D	2	2	2	3	2	2
	C	2	1	2	3	2	2
	B	2	2	2	3	2	2
	A	2	2	2	3	2	2

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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X11 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X15 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	3
	D	3	3	19	19	3	3
	C	3	3	19	19	3	3
	B	3	3	19	19	3	3
	A	3	3	19	19	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X19 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	1	1	1
	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-X04 SEE NOTE 10 LEAD FREE OPTION	E	12	25	23	23	23	25
	D	12	25	23	23	23	25
	C	12	25	23	23	23	25
	B	12	25	23	23	23	25
	A	12	25	23	23	23	25

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X08 SEE NOTE 10 LEAD FREE OPTION	E	4	2	19	19	19	2
	D	4	2	19	19	19	2
	C	4	2	19	19	19	2
	B	4	2	19	19	19	2
	A	4	2	19	19	19	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X12 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X16 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	4
	D	3	3	19	19	3	4
	C	3	3	19	19	3	4
	B	3	3	19	19	3	4
	A	3	3	19	19	3	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X20 SEE NOTE 10 LEAD FREE OPTION	E	1	4	4	4	4	19
	D	1	4	4	4	4	19
	C	19	4	4	4	4	19
	B	3	4	4	4	4	19
	A	3	4	4	4	4	19

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ltr	ecn no.	dr	date	linear	0.X ±0.3			
CR					0.XX ±0.13		projection	title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
					.XXX ±.051			
				angles	0° ±2°			
				dr	T.BRUNGARD	11/19/99	MM	product family: METRAL; code: 213
				engr	M.STRAWSER	11/19/99		
				chr	M.STRAWSER	11/19/99	scale 1:1	size: A; dwg no: 89025; sheet: 3
				appd	M.STRAWSER	02/29/00		
sheet index	revision sheet							

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REV E - 2006-04-18

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X21 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25
	D	40	40	40	40	40	40
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X25 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-
	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-X29 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-
	D	1	1	-	-	-	-
	C	1	1	-	-	-	-
	B	1	1	-	-	-	-
	A	1	1	-	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X33 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25
	D	40	40	40	40	40	40
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	41	41	41	41	41	41

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X37 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	11	11	40	11	11	11
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X22 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	19	4	4	4	4	4
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X26 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-
	D	3	3	-	-	-	-
	C	3	3	-	-	-	-
	B	3	3	-	-	-	-
	A	3	3	-	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X30 SEE NOTE 10 LEAD FREE OPTION	E	1	4	1	1	1	1
	D	1	1	1	1	1	4
	C	1	1	1	4	1	1
	B	1	4	1	1	1	1
	A	1	1	1	1	1	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X34 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	13	13	13
	D	4	4	4	13	13	13
	C	4	4	4	13	13	13
	B	4	4	4	13	13	13
	A	4	4	4	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X38 SEE NOTE 10 LEAD FREE OPTION	E	49	49	49	49	49	49
	D	49	49	49	49	49	49
	C	49	49	49	49	49	49
	B	49	49	49	49	49	49
	A	49	49	49	49	49	49

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X23 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	-
	D	-	-	-	-	-	-
	C	2	-	2	-	2	-
	B	-	-	-	-	-	-
	A	2	-	2	-	2	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X27 SEE NOTE 10 LEAD FREE OPTION	E	32	32	32	32	32	32
	D	32	32	32	32	32	32
	C	32	32	32	32	32	32
	B	32	32	32	32	32	32
	A	32	32	32	32	32	32

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X31 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	3	1	1
	D	1	1	1	3	1	1
	C	3	3	1	3	1	1
	B	1	1	1	1	1	1
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X35 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	40	11	11	11	11	11
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X39 SEE NOTE 10 LEAD FREE OPTION	E	44	44	44	44	44	44
	D	44	44	44	44	44	44
	C	44	44	44	44	44	44
	B	44	44	44	44	44	44
	A	44	44	44	44	44	44

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X24 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2	2
	D	4	2	2	2	2	2
	C	4	2	2	2	2	2
	B	4	2	2	2	2	2
	A	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X28 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-
	D	1	1	1	1	1	1
	C	1	1	1	1	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-X32 SEE NOTE 10 LEAD FREE OPTION	E	45	45	45	45	45	45
	D	45	45	45	45	45	45
	C	45	45	45	45	45	45
	B	45	45	45	45	45	45
	A	45	45	45	45	45	45

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X36 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	14	14	14
	D	8	8	8	14	14	14
	C	8	8	8	14	14	14
	B	8	8	8	14	14	14
	A	8	8	8	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X40 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	15	15	15
	D	12	12	12	15	15	15
	C	12	12	12	15	15	15
	B	12	12	12	15	15	15
	A	12	12	12	15	15	15

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ltr	ecn no.	dr	date	linear	0.X ±0.3		projection	title	METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
CR					0.XX ±0.13						
					.XXX ±.051						
				angles	0° ±2°						
				dr	T.BRUNGARD	11/19/99	MM	product family	METRAL	code	213
				engr	M.STRAWSER	11/19/99		size	dwg no		
				chr	M.STRAWSER	11/19/99	scale	A	89025	sheet	4
				appd	M.STRAWSER	02/29/00	1:1				
sheet index	revision sheet										

cage code	Pro/E
22526	

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	-	-	-	-	-	-
	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	-

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

REV E - 2006-04-18

Pro/E

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

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	5	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	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-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	1	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

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linear	0.X ±0.3	
	0.XX ±0.13	
	.XXX ±.051	
angles	0° ±2°	
dr	T.BRUNGARD	11/19/99
engr	M.STRAWSER	11/19/99
chr	M.STRAWSER	11/19/99
appd	M.STRAWSER	02/29/00

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projection

MM

scale 1:1

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title: METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT

product family: METRAL

code: 213

size: A

dwg no: 89025

sheet: 6

sheet index	revision sheet																				

cage code: 22526

REV E - 2006-04-18

Pro/E

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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X81 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	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-X85 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	3	-
	D	-	-	-	-	3	-
	C	-	-	-	-	-	-
	B	-	-	-	-	3	-
	A	-	-	-	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X89 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2	2
	D	4	2	2	2	2	2
	C	4	2	2	2	2	2
	B	4	2	2	2	2	2
	A	4	2	2	2	1	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X93 SEE NOTE 10 LEAD FREE OPTION	E	2	3	2	2	4	4
	D	2	3	2	2	4	4
	C	2	3	2	2	4	4
	B	2	3	2	2	4	4
	A	2	3	2	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X97 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	-	3
	D	3	3	3	3	-	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	-	-	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X82 SEE NOTE 10 LEAD FREE OPTION	E	7	-	38	38	-	7
	D	7	-	38	38	-	7
	C	7	-	38	38	-	7
	B	7	-	38	38	-	7
	A	7	-	38	38	-	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X86 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3	3
	D	19	3	3	3	3	1
	C	19	3	3	3	3	1
	B	19	3	3	3	3	2
	A	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X90 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	2	1
	D	19	3	3	3	2	1
	C	19	3	3	3	2	1
	B	19	3	3	3	2	1
	A	19	3	3	3	2	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X94 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-X98 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	19	19	19
	D	4	4	4	19	19	19
	C	4	4	4	19	19	19
	B	4	4	4	19	19	19
	A	4	4	4	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X83 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	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-X87 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1	2
	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X95 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	1	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X99 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	20	20	20
	D	8	8	8	20	20	20
	C	8	8	8	20	20	20
	B	8	8	8	20	20	20
	A	8	8	8	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X84 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	41	7	7	7	7
	C	41	7	41	7	7	7
	B	7	7	41	7	7	7
	A	7	7	7	45	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X88 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	4	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X92 SEE NOTE 10 LEAD FREE OPTION	E	19	4	4	4	4	4
	D	19	4	4	4	4	4
	C	19	4	4	4	4	4
	B	19	4	4	4	4	4
	A	19	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X96 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	-	3	3
	D	3	3	3	-	3	3
	C	3	3	3	-	3	3
	B	3	3	3	-	-	-
	A	3	3	3	3	3	3

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

Pro/E		cage code 22526	

REV E - 2006-04-18

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

PRODUCT NUMBER
89025-XYY
89025-XYYLF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.

2. BODY MATERIAL: LIQUID CRYSTAL

   POLYMER 30 % GLASS.

   FLAME RETARDANT ACC. UL 94-V0.

3. PIN MATERIAL:
   PHOSPHOR BRONZE.

4. PLATING ON PRESS-FIT TAIL:
   55422 -XYY IS SnPb
   55422-XYYLF IS SN (LEAD FREE)
   PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.

5. PRODUCT MARKING:
   PART NUMBER DESIGNATION & BATCH I.D.

6. 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

7. PRODUCT SPECIFICATION GS-12-180
   APPLICATION SPECIFICATION BUS-20-073

(8.) AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.

(9.) 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 MAXIMIM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

(10.) FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 89025-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	-
-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	FCI www.fciconnect.com
ltr	ecn no. dr date	linear	0.X ±0.3	COPY	
CR			0.XX ±0.13	projection	title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
			.XXX ±.051		
		angles	0° ±2°		
		dr	T.BRUNGARD 11/19/99	MM	product family METRAL code 213
		engr	M.STRAWSER 11/19/99		
		chr	M.STRAWSER 11/19/99	scale 1:1	size A dwg no 89025 sheet 8
		appd	M.STRAWSER 02/29/00		
sheet index	revision sheet				cage code 22526

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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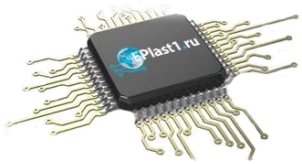
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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