

CRYPTAG CENSUS
ELCxA READER

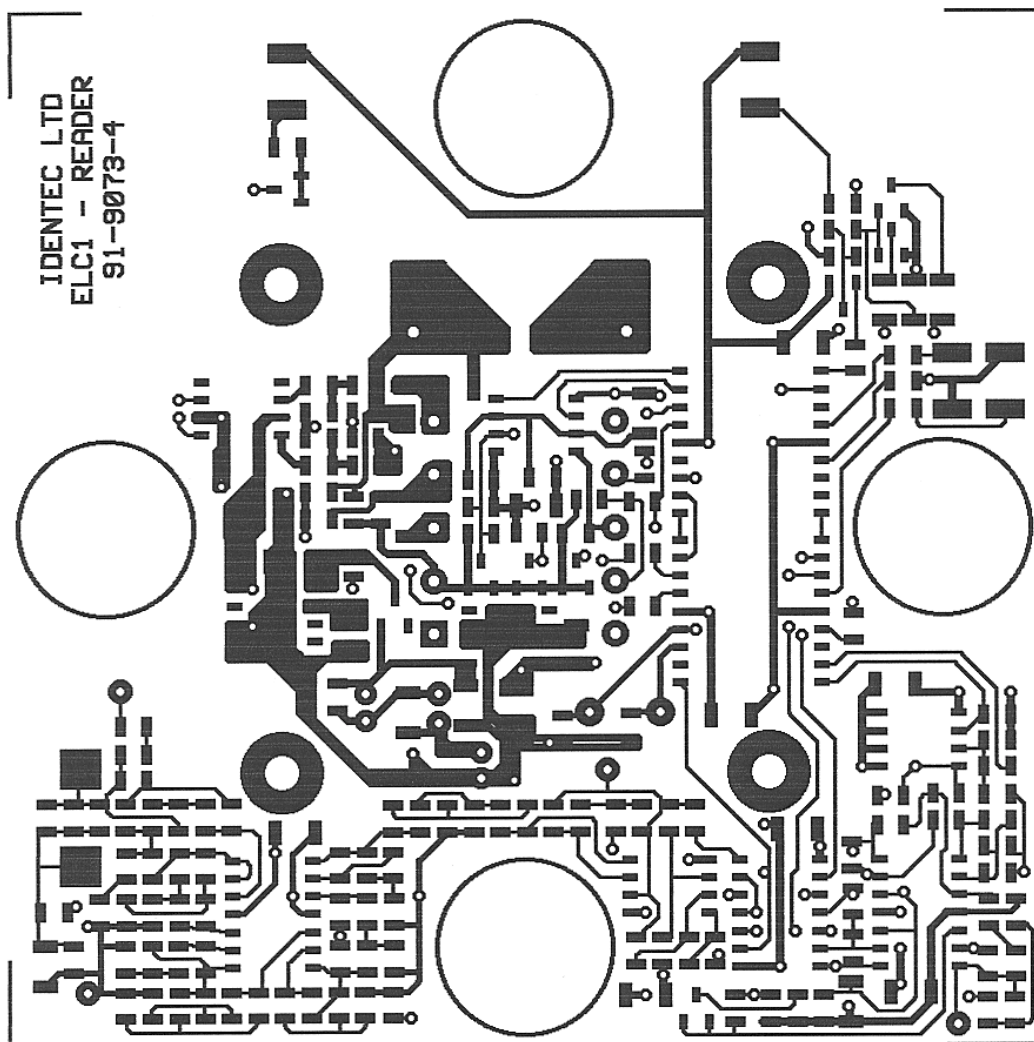
DATE 29-02-00
SCALE 2:1

CRYPTAG CENSUS ELCxA READER

PCB REFERENCE 91-9073
ISSUE 4 REVISION A

DATE 29-02-00
SCALE 2:1

COMPONENT SIDE

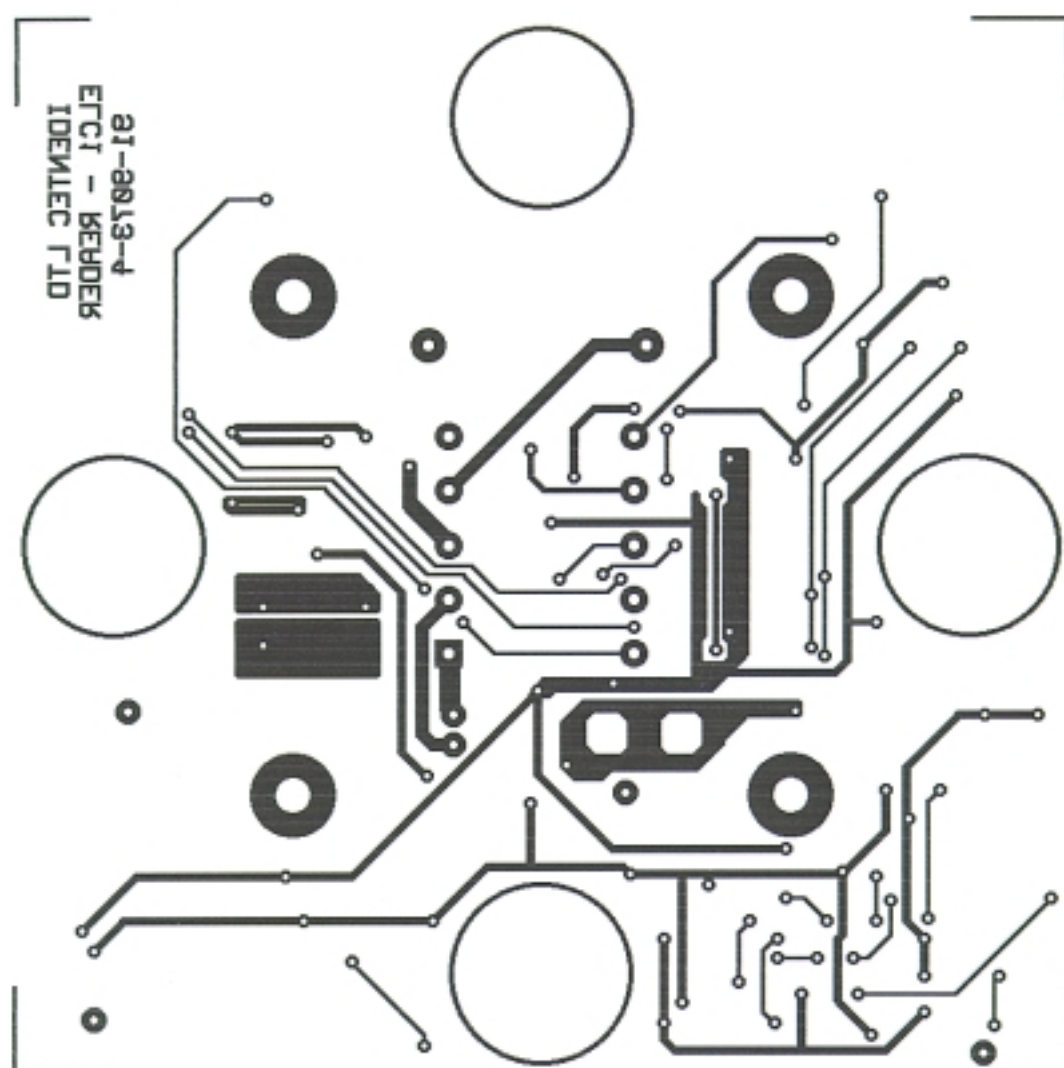


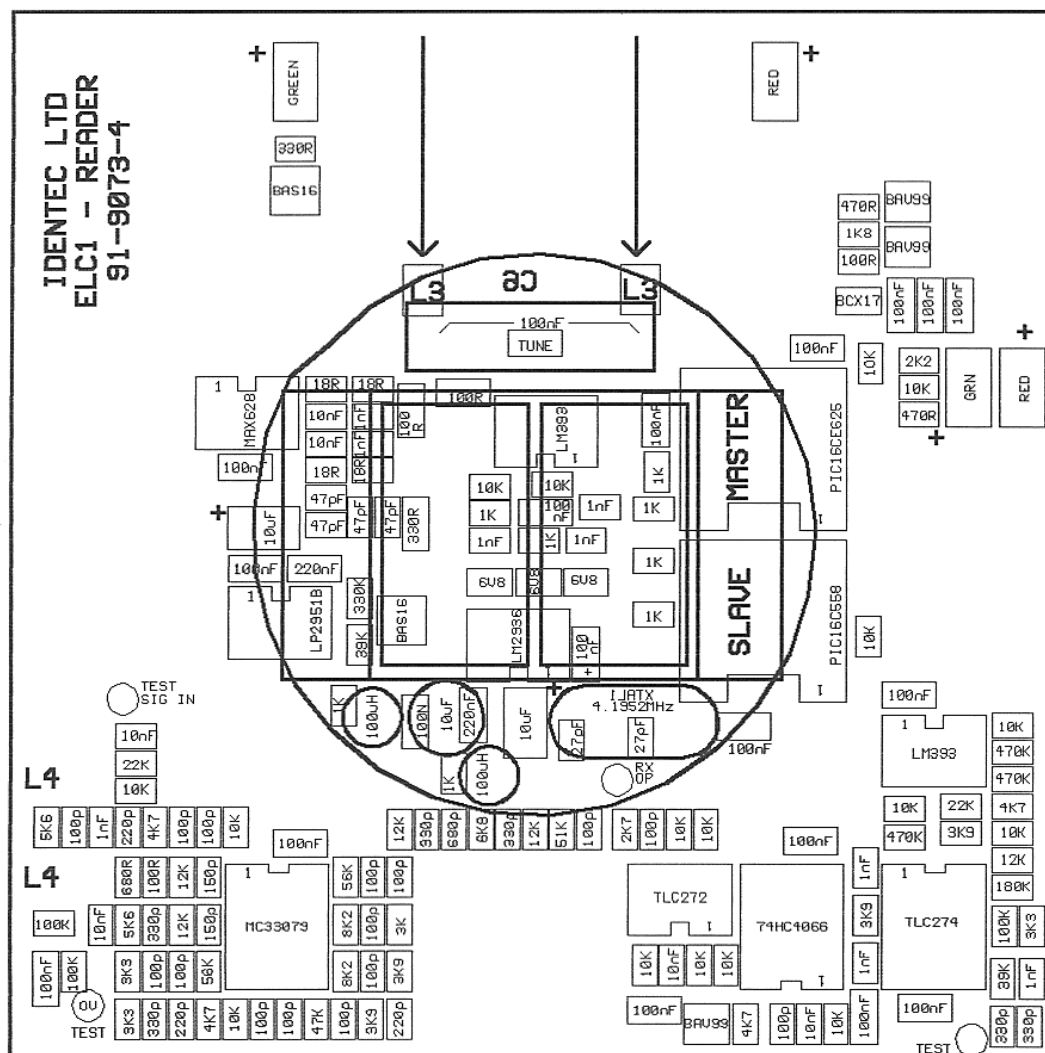
CRYPTAG CENSUS ELCxA READER

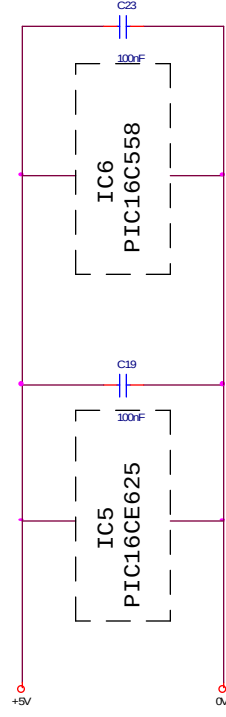
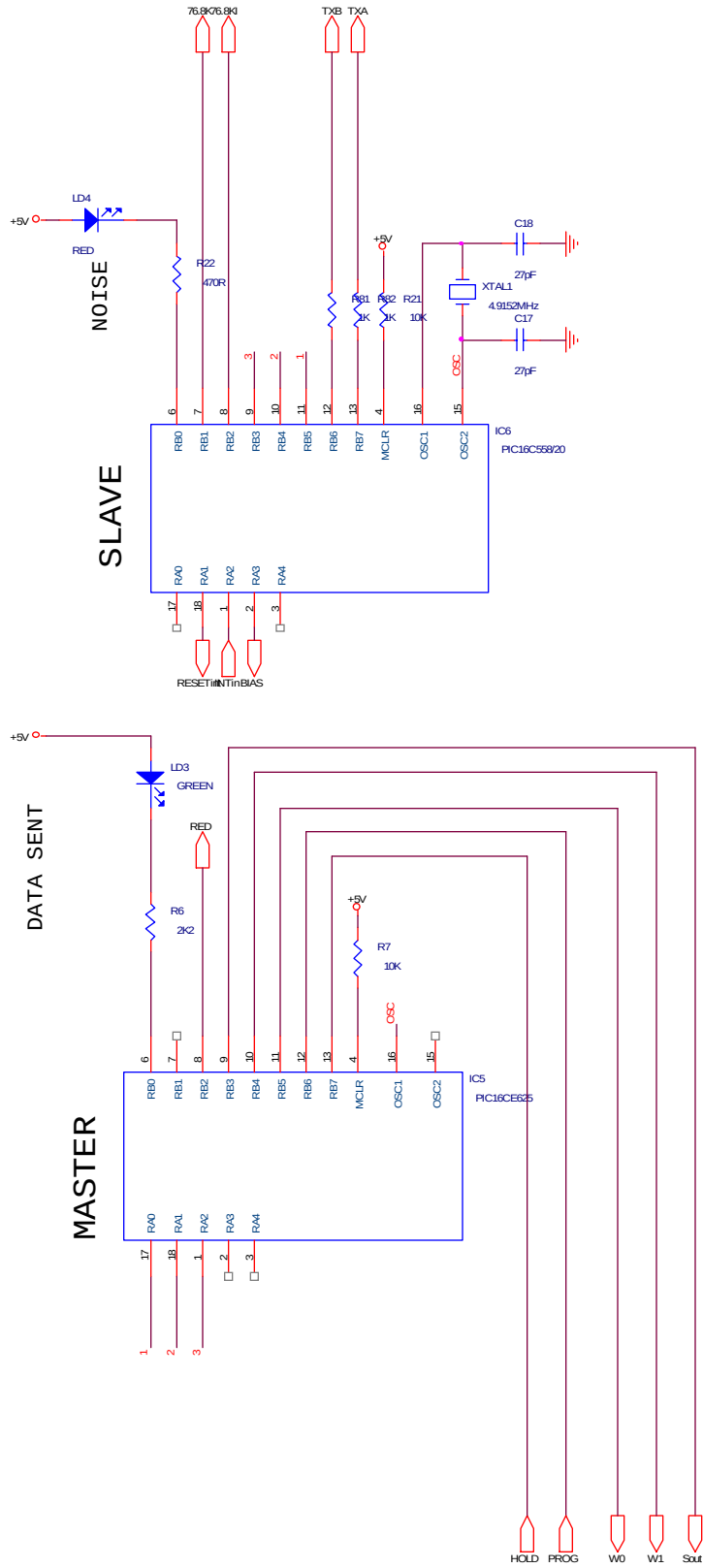
PCB REFERENCE 91-9073
ISSUE 4 REVISION A

DATE 29-02-00
SCALE 2:1

NON-COMPONENT SIDE





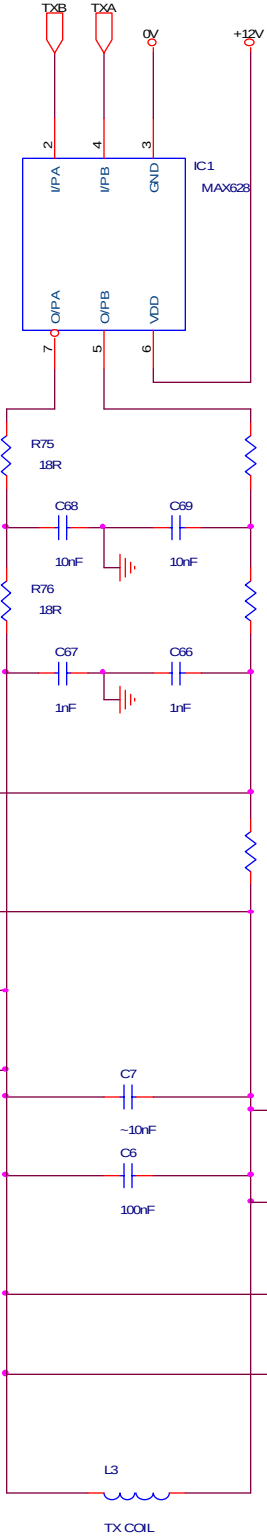
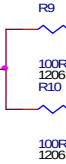


IDENTEC LTD					
Title					
ELCA Processor					
Sup	Docu	Rev	Rev	Rev	Rev
E	1	1	1	1	1
Date: Tuesday, February 23, 2000					
Sheet 6 of 6					

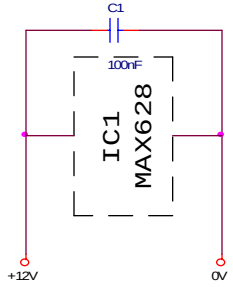
RANGE LINK

HALF FULL

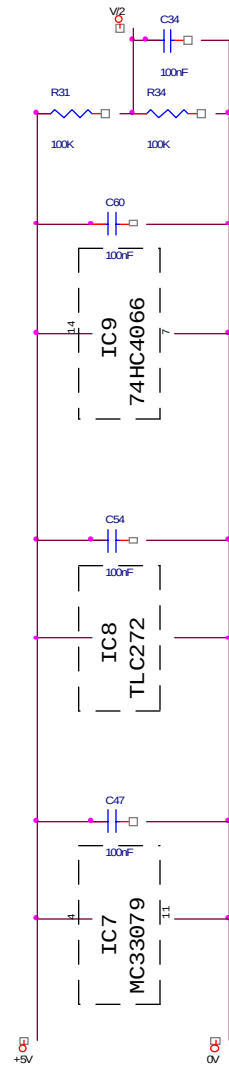
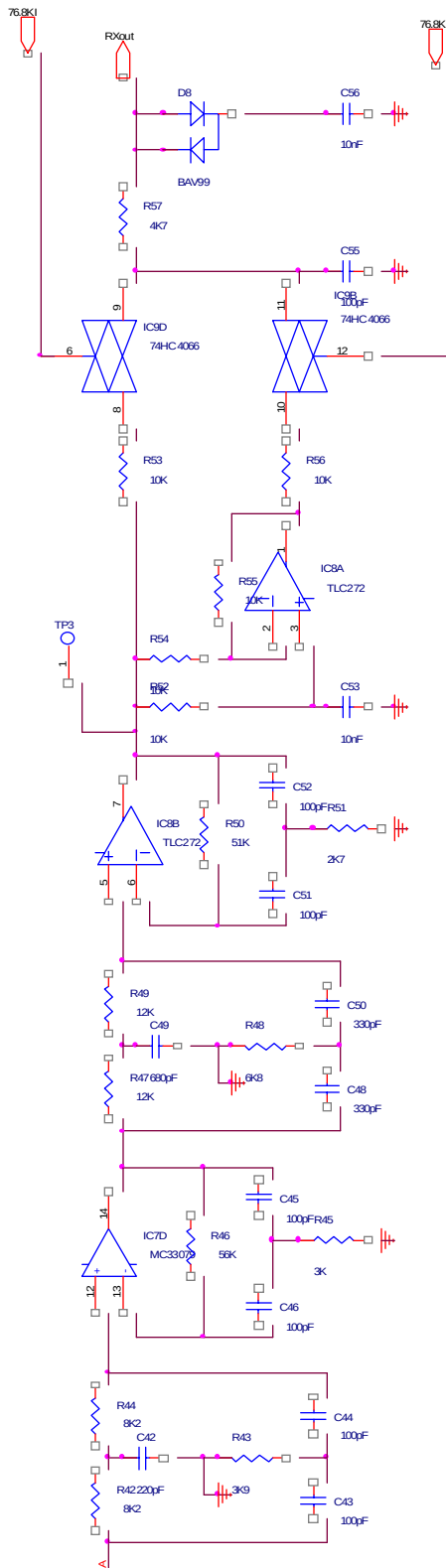
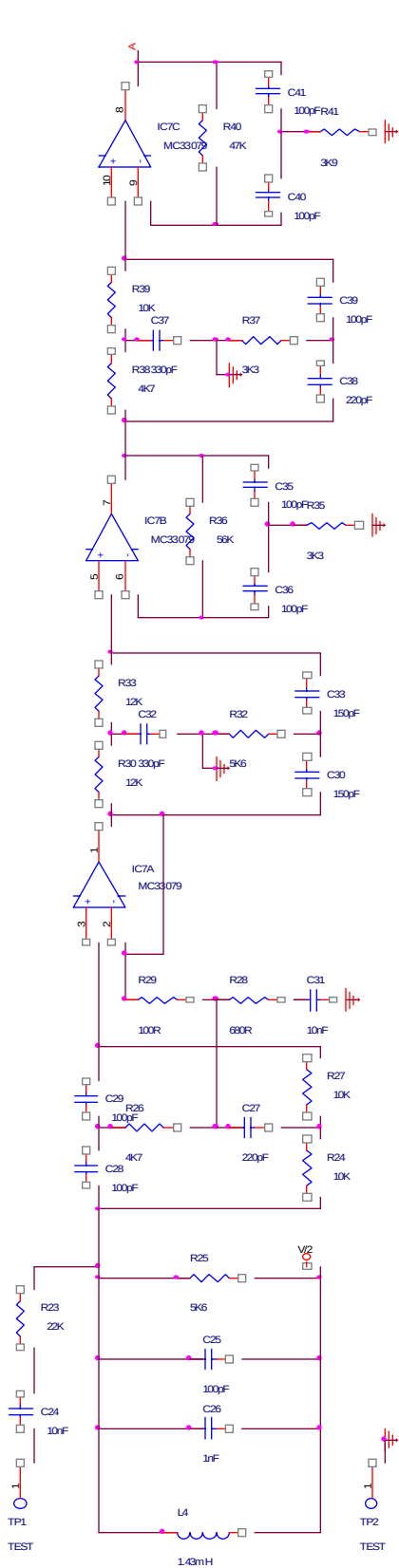
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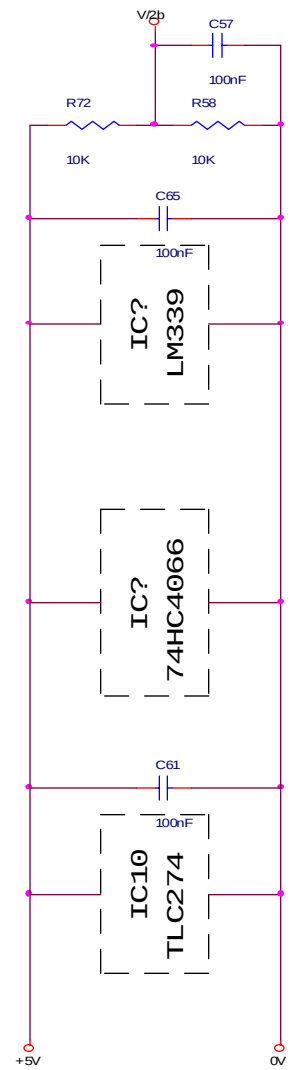
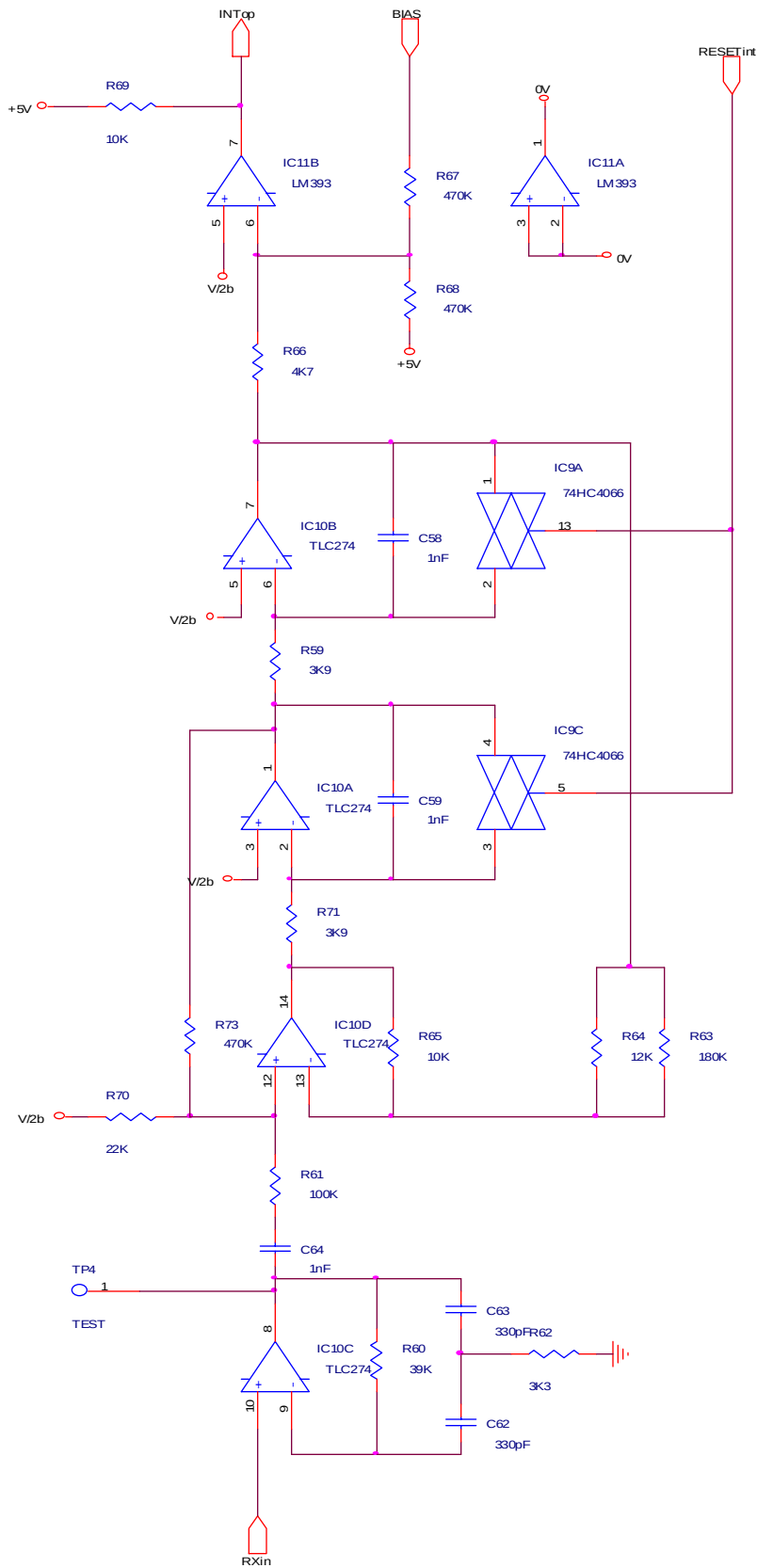
4 TURNS
Ø .8mm WIRE



IDENTEC LIMITED			
Title ELOXA Transmitter			
Size Document Number 85-2057/ISSUE 4			
Rev A			
Date: Wednesday, March 01, 2000			
Sheet	2	of	6



IDENTEC LTD					
Title: ELCA - Main Receiver					
Size: E	Document Number: 85-267	Issue: 4	Rev: A		
Date: Tuesday, February 29, 2000	Sheet: 3	d	6		



IDENTEC LTD					
Title	ELC-A Integrator				
Size	E	Document Number	85-20567 ISSUE 4		
Rev	A	Date:	Tuesday, February 29, 2000	Sheet	5 of 6

85-2067 ISSUE 4

Revision: A

Bill Of Materials

March 1,2000

9:18:13

Page1

Item	Quantity	Reference	Part	SIZE TOL VOLTS TYPE
1	2	R10,R9	100R	1206 1% MFILM
2	1	R11	330R	1206 1% MFILM
3	4	R75,R76,R77,R78	18R	0805 1% MFILM
4	2	R29,R4	100R	0805 1% MFILM
5	1	R1	330R	0805 1% MFILM
6	2	R2,R22	470R	0805 1% MFILM
7	1	R28	680R	0805 1% MFILM
8	8	R14,R16,R17,R74,R79,R80, R81,R82	1K	0805 1% MFILM
9	1	R3	1K8	0805 1% MFILM
10	1	R6	2K2	0805 1% MFILM
11	1	R51	2K7	0805 1% MFILM
12	1	R45	3K	0805 1% MFILM
13	3	R35,R37,R62	3K3	0805 1% MFILM
14	4	R41,R43,R59,R71	3K9	0805 1% MFILM
15	4	R26,R38,R57,R66	4K7	0805 1% MFILM
16	2	R32,R25	5K6	0805 1% MFILM
17	1	R48	6K8	0805 1% MFILM
18	2	R42,R44	8K2	0805 1% MFILM
19	17	R5,R7,R13,R15,R21,R24, R27,R39,R52,R53,R54,R55, R56,R58,R65,R69,R72	10K	0805 1% MFILM
20	5	R30,R33,R47,R49,R64	12K	0805 1% MFILM
21	2	R70,R23	22K	0805 1% MFILM
22	2	R19,R60	39K	0805 1% MFILM
23	1	R40	47K	0805 1% MFILM
24	1	R50	51K	0805 1% MFILM
25	2	R36,R46	56K	0805 1% MFILM
26	3	R31,R34,R61	100K	0805 1% MFILM
27	1	R63	180K	0805 1% MFILM
28	1	R18	330K	0805 1% MFILM
29	3	R67,R68,R73	470K	0805 1% MFILM
30	2	D7,D1	BAS16	SOT-23 Single A6p
31	3	D2,D3,D8	BAV99	SOT-23 Dual A7
32	3	D4,D5,D6	6V8	SOT-23 Zener Z5
33	1	Q1	BCX17	SOT-23 PNP Trans
34	2	C18,C17	27pF	0805 2% 25 COG
35	4	C70,C71,C75,C76	47pF	0805 2% 25 COG
36	15	C25,C28,C29,C35,C36,C39, C40,C41,C43,C44,C45,C46, C51,C52,C55	100pF	0805 2% 25 COG
37	2	C30,C33	150pF	0805 2% 25 COG
38	3	C27,C38,C42	220pF	0805 2% 25 COG

39	6	C32,C37,C48,C50,C62,C63	330pF	0805 2% 25 COG
40	1	C49	680pF	0805 2% 25 COG
41	9	C10,C11,C12,C26,C58,C59, C64,C66,C67	1nF	0805 2% 25 COG
42	1	C7	~10nF	1206 5% 25 X7R
43	6	C24,C31,C53,C56,C68,C69	10nF	0805 5% 25 X7R
44	17	C1,C4,C8,C9,C16,C19,C20, C21,C22,C23,C34,C47,C54, C57,C60,C61,C65	100nF	1206 20% 25 X7R
45	1	C74	100nF	1206 20% 50 X7R
46	2	C13,C5	220nF	1206 20% 50 Z5U
47	1	C6	100nF	15MM 250V FOIL/POLYP
48	2	C15,C14	10uF	B 20% 16V TANT
49	1	C72	10uF	NITAI 20% 35V NON-POLAR
50	1	IC1	MAX628	SO-8 DRIVER
51	1	IC2	LP2951B	SO-8 REGULATOR
52	1	IC4	LM2936-SM	SO-8 REGULATOR
53	1	IC7	MC33079	SO-14 OP-AMP
54	1	IC8	TLC272	SO-8 OP-AMP
55	1	IC10	TLC274	SO-14 OP-AMP
56	2	IC3,IC11	LM393	SO-8 COMPARATOR
57	1	IC9	74HC4066	SO-16 SWITCH
58	1	IC6	PIC16C558/20	SOW-18 CPU 20MHz
59	1	IC5	PIC16CE625	SOW-18 CPU 20MHz
60	2	LD3,LD1	GREEN	SIEMENS LGT670-HK
61	2	LD4,LD2	RED	SIEMENS LST670-HK
62	2	L1,L2	100uH	CE CW45-101K-703854
63	1	L3	TX COIL	4 TURNS 0.8mm WIRE
64	1	L4	1.43mH	IDENTEC REF 91-8832
65	1	XTAL1	4.9152MHz	HC49/4H CRYSTAL
66	4	TP1,TP2,TP3,TP4	TEST	TEST POINTS ONLY
67	1	TB1	TB10WAY	PH'X SMKDS1/5-3.8 (x 2)

TC6A Tag

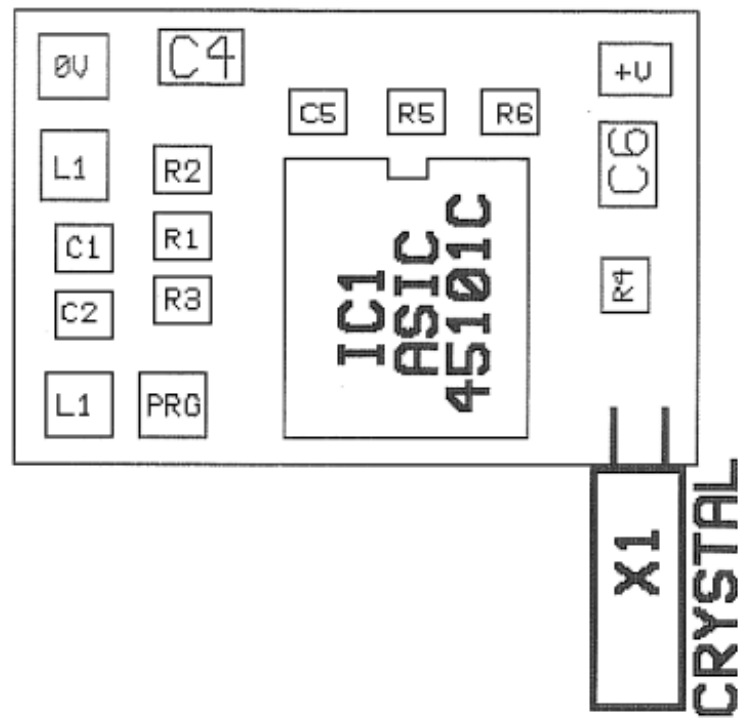
CRYPTAG CENSUS <TC6A>

PCB Reference 91-9033 Issue 1 Rev A

Date 11-02-98

Scale 4:1

Component Placement



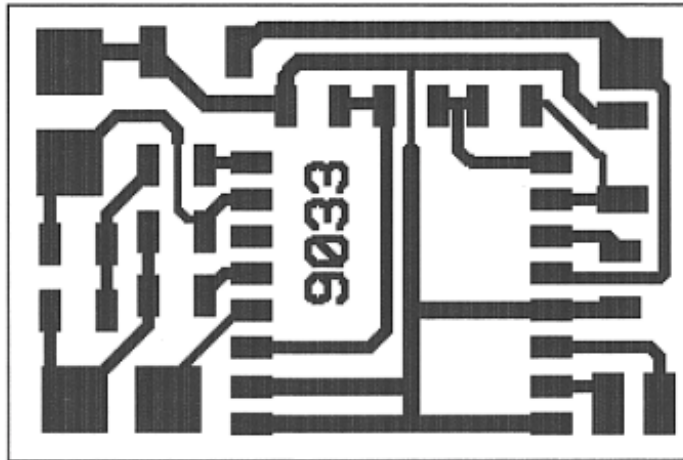
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PCB Reference 91-9033 Issue 1 Rev A

Date 11-02-98

Scale 4:1

Component Side



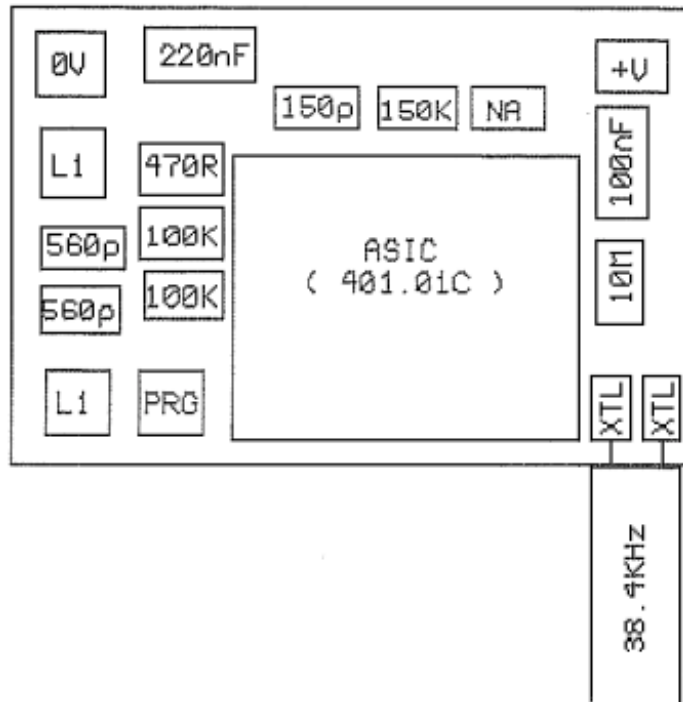
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PCB Reference 91-9033 Issue 1 Rev A
SCH Reference 85-2034 Issue 1 Rev A

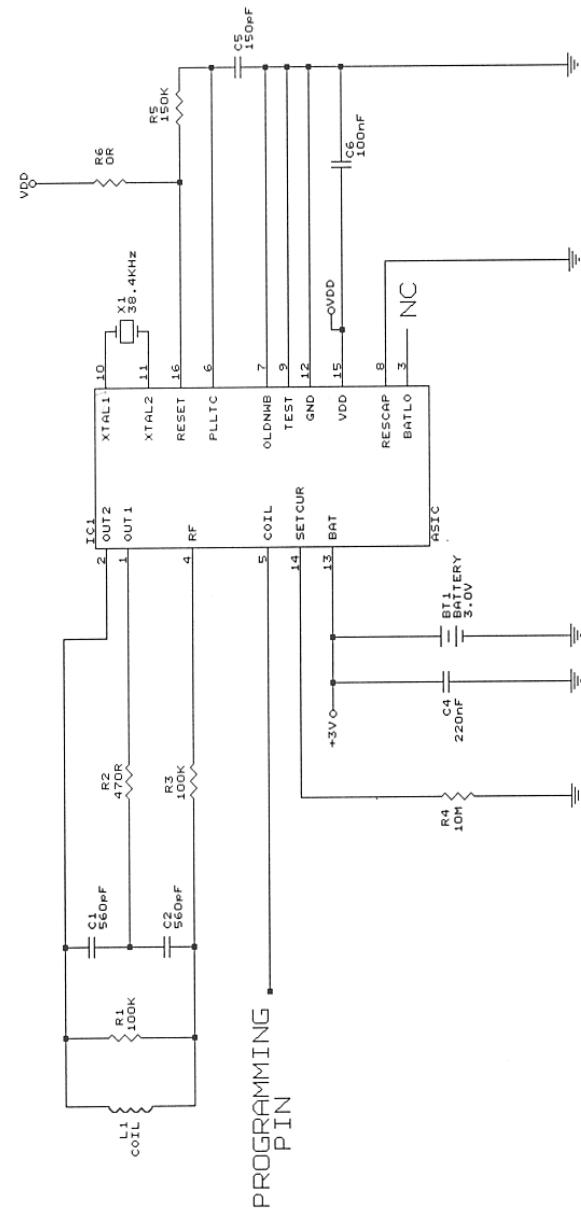
Date 11-02-98

Scale 4:1

Inspection



Cryptag Census TC6



NOTE R6 NOT REQUIRED

IDENTEC LTD			
Title	CRYPTAG CENSUS (USA)		
Size	Document Number	REV	
B	85-2034 ISSUE 1	A	
Date:	February 11, 1998	Sheet	1 of 3

Item	Quantity	Reference	Part	Size	Tol	Volts	Type
1	1	R6	0R	Not fitted	5%		
2	1	R2	470R	0805	5%		
3	2	R3, R1	100K	0805	5%		
4	1	R5	150k	0805	5%		
5	1	R4	10M	0805	5%		
6	1	C5	150pF	0805	5%	25	COG
7	2	C1,C2	560pF	0805	5%	25	COG
8	1	C6	100nF	1206	20%	25	Z5U
9	1	C4	220nF	1206	20%	25	Z5U
10	1	X1	38.4KHz	WATCH CRYSTAL			
11	1	IC1	ASIC	SOW-16 (45101C)			
12	1	L1	COIL	91-8862 (Coil 3mH)			
13	1	BT1	BATTERY	91-8840 (FUJI 2430)			