

BLOCK DIAGRAM

ANT

AGC CONTROL Q4

RF AMP Q23

CONV.1 Q24,25

CONV.2 Q1

IF AMP Q2,3

AM DET D5

ANL Q46

AM/FM SW IC4A

ASS

VOLUME

SQUELCH

SQ CONTROL Q5,6

FM DET IC 1

EXT

SPEAKER

AUDIO AMP IC 2

FM TX B+ CONTROL Q33,34

MAIN B+

RF DRIVE Q7

RF POWER Q12

LOW PASS FILTER

TO ANT

ALC CONTROL Q13,14

MIC AMP IC3B

MIC

MIC GAIN

LIMITER D9,10

BUFFER IC3A

RX SWITCH Q20

TX SWITCH Q19

RX B+

TX B+

AM/FM SW IC4B

DOUBLER Q16

FM DEV

BUFFER Q10

VC0 Q8

IC10 P.L.L.

TX SWITCH Q9

10.240MHz

IC12 EEPROM

VDD

5V REG IC6

4.194304MHz

AVR Q21,22,32

9V REG Q17

BACK UP 13.8V

KEY MATRIX

L.C.D DISPLAY

40

REV.	DATE	NAME	DESCRIPTION	CHECK
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

UNIT : SCALS : SHEET OF : BUYER NAME : ALBRECHT

DRW. : CHK. : APP. : MODEL NAME : AE-5090

M.H.JUNG 01/03/15

DRAWING NO. :

REV.	DATE	NAME	DESCRIPTION	CHECK
▽				
▽				
▽				
UNIT	SCALS	SHEET :	BUYER NAME : ALBRECHT	
DRW.	CHK.	OF	MODEL NAME : AE-5090	
M.H.JUNG 01/03/15			DRAWING NO. :	