



IC1
FM IF
UTC3361

IC4 PLL
TB31202FN

IC3
CPU

IC5
MAIN REGULATOR

IC2
AF AMP

QS4, QS5
TX B+

QS7
TX SW

QM1,2,3
TX MIC
AMP & LIMITER

QF1
BUFFER

QS1
RX B+ SW

QB1
BATT LOW
DETECTOR

QR5,6
AUDIO AMP.
B+ CONTROL

QR1
RF AMP

SAW
446MHz

QR2
1'st MIXER

CF1
10.7MHz

QR3
1'st IF AMP

2'nd MIXER

2'nd IF AMP
& LIMITER

DE-
MODULATION

AF FILTER

JACK1
SPK JACK

SPK1
8 OHM

JACK1
MIC JACK

MIC

SW1
PTT

BATT
DC 4.5V

MUTE

DATA

CLK

ENABLE

POWER OUT

POWER INPUT

KEY CONTROL

TX CTRL

X2
3.58MHz

L.P.F

QV2
VCO MODULE

QV1
TX VCO S/W

QT1
TX BUFFER

QT2
DRIVER AMP

QT3
TX FINAL AMP

DV2
TX MODULATION

UP DOWN CALL LOCK / FUN

IC5
MAIN REGULATOR

CPU/VCO/RX/TX B+

DP1

POWER KEY / LIGHT

DP2

DP3

QS7
TX SW

QS4, QS5
TX B+

QS1
RX B+ SW

QS2
POWER SAVE

LCD DISPLAY

X3
10.250MHz

CF2
450HT

SV1
SQ

DR1
NOISE DETECTOR

SQ HYSTERISIS
& SWITCHING

NOISE AMP