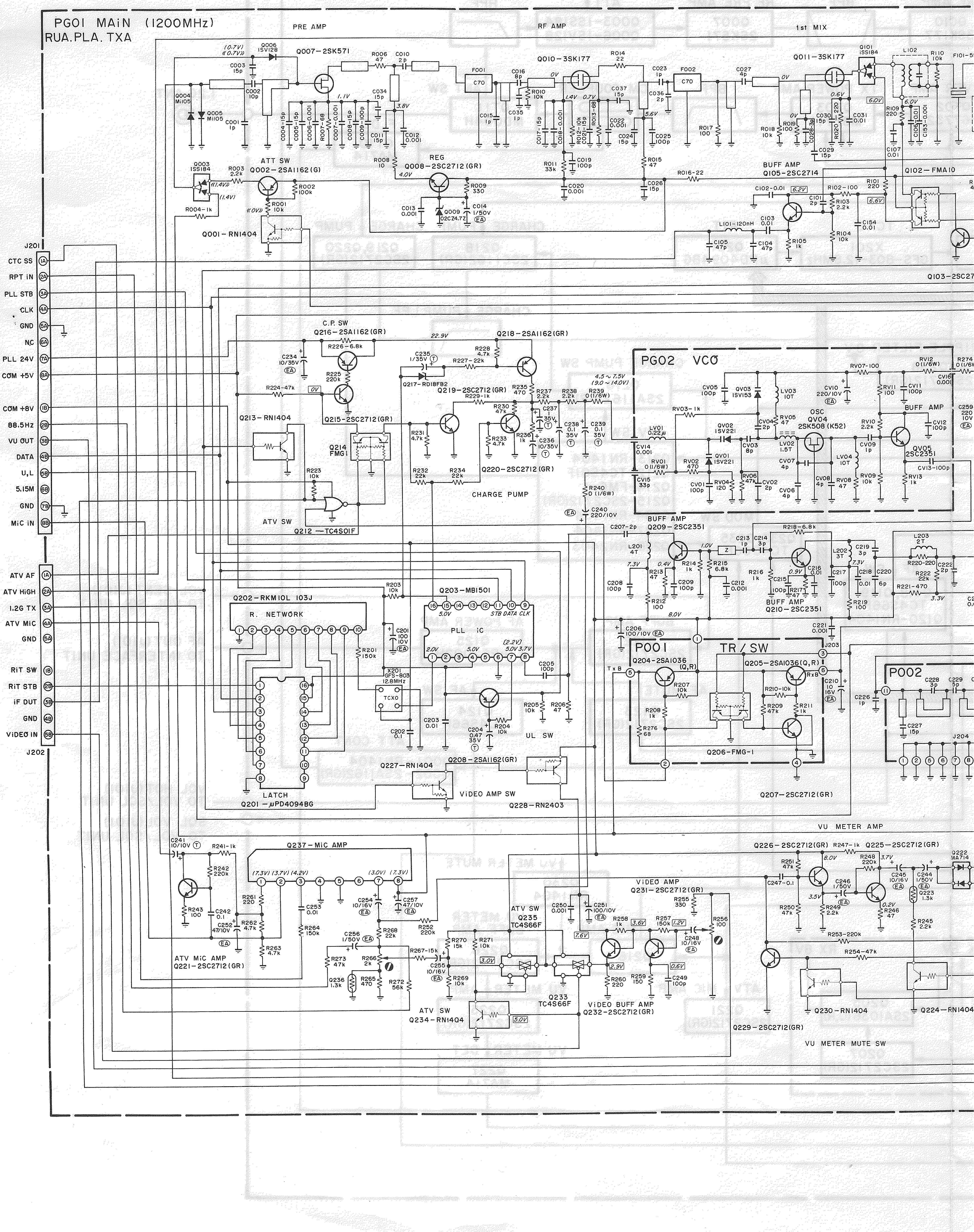
回路図

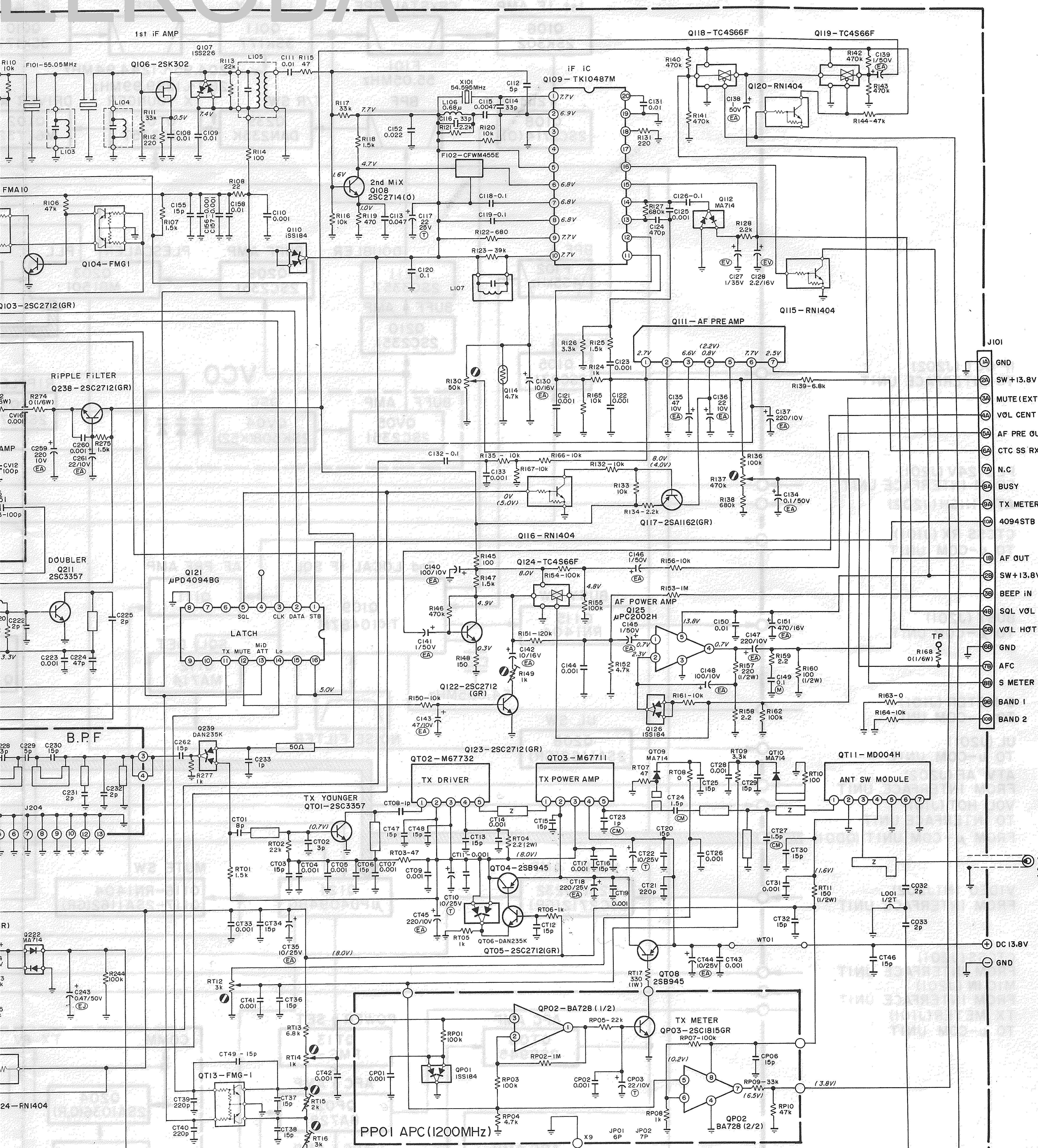


PG01 MAiN (1200MHz)
RUA.PLA.TXA
PRE AMP
RF AMP
1st MIX
Q007-2SK571
Q010-3SK177
Q011-3SK177
Q006 1SV128
Q004 MI105
Q005 MI105
Q003 1SS184
ATT SW
Q002-2SA1162(G)
REG
Q008-2SC2712(GR)
Q009 02CZ4.7Z
Q001-RN1404
F001 C70
F002 C70
Q101 1SS184
L102
BUFF AMP
Q105-2SC2714
Q102-FMA10
Q103-2SC27
L101-120nH
J201
CTC SS
RPT iN
PLL STB
CLK
GND
NC
PLL 24V
COM +5V
COM +8V
88.5Hz
VU OUT
DATA
U,L
5.15M
GND
MiC iN
C.P. SW
Q216-2SA1162(GR)
Q218-2SA1162(GR)
Q217-RD18FB2
Q219-2SC2712(GR)
Q215-2SC2712(GR)
Q213-RN1404
Q214 FMG1
Q220-2SC2712(GR)
CHARGE PUMP
ATV SW
Q212-TC4S01F
PG02 VCO
OSC QV04 2SK508(K52)
BUFF AMP
QV05 2SC2351
QV03 1SV153
QV02 1SV221
QV01 1SV221
BUFF AMP
Q209-2SC2351
BUFF AMP
Q210-2SC2351
ATV AF
ATV HiGH
1.2G TX
ATV MiC
GND
RiT SW
RiT STB
iF OUT
GND
ViDEO iN
J202
Q202-RKM10L 103J
R. NETWORK
Q203-MB1501
PLL IC
STB DATA CLK
X201 GFS-803 12.8MHz
TCXO
LATCH
Q201-μPD4094BG
P001
TR/SW
Q204-2SA1036(Q,R)
Q205-2SA1036(Q,R)
Q206-FMG-1
Q207-2SC2712(GR)
J203
P002
J204
Q227-RN1404
Q208-2SA1162(GR)
ViDEO AMP SW
Q228-RN2403
UL SW
Q237-MiC AMP
ATV MiC AMP
Q221-2SC2712(GR)
ViDEO AMP
Q231-2SC2712(GR)
ATV SW
Q235 TC4S66F
Q233 TC4S66F
ViDEO BUFF AMP
Q232-2SC2712(GR)
ATV SW
Q234-RN1404
VU METER AMP
Q226-2SC2712(GR)
Q225-2SC2712(GR)
Q222 MA714
Q223
Q229-2SC2712(GR)
Q230-RN1404
Q224-RN1404
VU METER MUTE SW

Printed in Japan

MODEL CRF301

ELKOBA


1st iF AMP
F101-55.05MHz
Q106-2SK302
Q107 1SS226
L105
L103
L104
iF iC
Q109-TK10487M
X101 54.595MHz
2nd MiX Q108 2SC2714(O)
F102-CFWM455E
L107
FMA10
Q104-FMG1
Q110 1SS184
Q103-2SC2712(GR)
Q118-TC4S66F
Q119-TC4S66F
Q120-RN1404
Q112 MA714
Q115-RN1404
Q111-AF PRE AMP
Q114
RiPPLE FiLTER
Q238-2SC2712(GR)
Q116-RN1404
Q117-2SA1162(GR)
DOUBLER Q211 2SC3357
Q121 μPD4094BG
LATCH
SQL
CLK
DATA
STB
TX MUTE MiD ATT Lo
Q124-TC4S66F
AF POWER AMP Q125 μPC2002H
Q122-2SC2712 (GR)
Q126 1SS184
B.P.F
Q239 DAN235K
50Ω
J204
Q123-2SC2712(GR)
QT02-M67732
TX DRiVER
QT03-M67711
TX POWER AMP
QT09 MA714
QT10 MA714
QT11-MD004H
ANT SW MODULE
TX YOUNGER QT01-2SC3357
QT04-2SB945
QT06-DAN235K
QT05-2SC2712(GR)
Q222 MA714
QT08 2SB945
WT01
QP02-BA728 (1/2)
QP01 1SS184
TX METER QP03-2SC1815GR
QP02 BA728 (2/2)
QT13-FMG-1
24-RN1404
PP01 APC(1200MHz)
X9
JP01 6P
JP02 7P
J101
1A GND
2A SW+13.8V
3A MUTE(EXT JACK-SW)
4A VOL CENT
5A AF PRE OUT
6A CTC SS RX
7A N.C
8A BUSY
9A TX METER
10A 4094STB
1B AF OUT
2B SW+13.8V
3B BEEP iN
4B SQL VOL
5B VOL HOT
6B GND
7B AFC
8B S METER
9B BAND 1
10B BAND 2
TP
WG01 ANTENNA JACK
DC 13.8V
GND

NOTES:
1. REFER TO PARTS LIST FOR COMPONENT VALUES.
2. UNLESS OTHERWISE NOTED RESISTOR VALUES ARE IN OHMS, AND CAPACITOR VALUES ARE IN MICROFARADS.
3. VOLTAGE NOTATIONS ARE AS FOLLOWS :
( ) ---- TX
[ ] ---- UNLOCK
〈 〉 ---- SQL ON
《 》 ---- ATT ON
▭ ATV
NO MARKING ---- RX