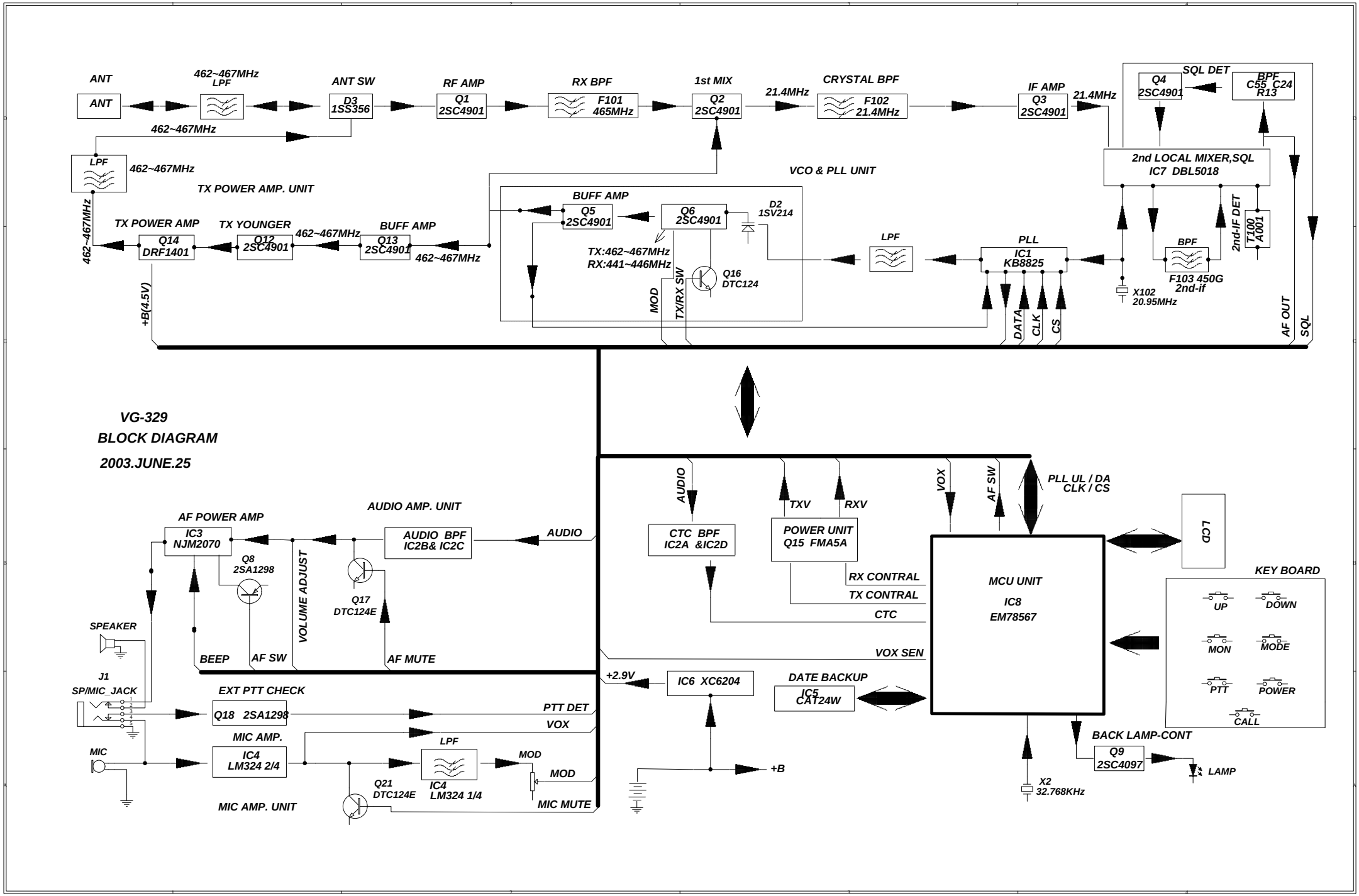
ANT
ANT
462~467MHz
LPF
ANT SW
D3
1SS356
RF AMP
Q1
2SC4901
RX BPF
F101
465MHz
1st MIX
Q2
2SC4901
21.4MHz
CRYSTAL BPF
F102
21.4MHz
IF AMP
Q3
2SC4901
21.4MHz
SQL DET
Q4
2SC4901
BPF
C55 C24
R13
462~467MHz
LPF
462~467MHz
TX POWER AMP. UNIT
VCO & PLL UNIT
2nd LOCAL MIXER,SQL
IC7 DBL5018
BUFF AMP
Q5
2SC4901
Q6
2SC4901
D2
1SV214
TX:462~467MHz
RX:441~446MHz
Q16
DTC124
MOD
TX/RX SW
LPF
PLL
IC1
KB8825
BPF
F103 450G
2nd-if
2nd-IF DET
T100
A001
X102
20.95MHz
DATA
CLK
CS
AF OUT
SQL
462~467MHz
TX POWER AMP
Q14
DRF1401
TX YOUNGER
Q12
2SC4901
462~467MHz
BUFF AMP
Q13
2SC4901
462~467MHz
+B(4.5V)
VG-329
BLOCK DIAGRAM
2003.JUNE.25
AUDIO
TXV
RXV
VOX
AF SW
PLL UL / DA
CLK / CS
AF POWER AMP
IC3
NJM2070
AUDIO AMP. UNIT
AUDIO BPF
IC2B& IC2C
AUDIO
Q8
2SA1298
VOLUME ADJUST
Q17
DTC124E
CTC BPF
IC2A &IC2D
POWER UNIT
Q15 FMA5A
LCD
RX CONTRAL
TX CONTRAL
CTC
MCU UNIT
IC8
EM78567
KEY BOARD
UP
DOWN
MON
MODE
PTT
POWER
CALL
SPEAKER
BEEP
AF SW
AF MUTE
VOX SEN
J1
SP/MIC_JACK
EXT PTT CHECK
Q18 2SA1298
PTT DET
VOX
+2.9V
IC6 XC6204
DATE BACKUP
IC5
CAT24W
MIC
MIC AMP.
IC4
LM324 2/4
LPF
MOD
MOD
Q21
DTC124E
IC4
LM324 1/4
MIC MUTE
MIC AMP. UNIT
+B
BACK LAMP-CONT
Q9
2SC4097
LAMP
X2
32.768KHz