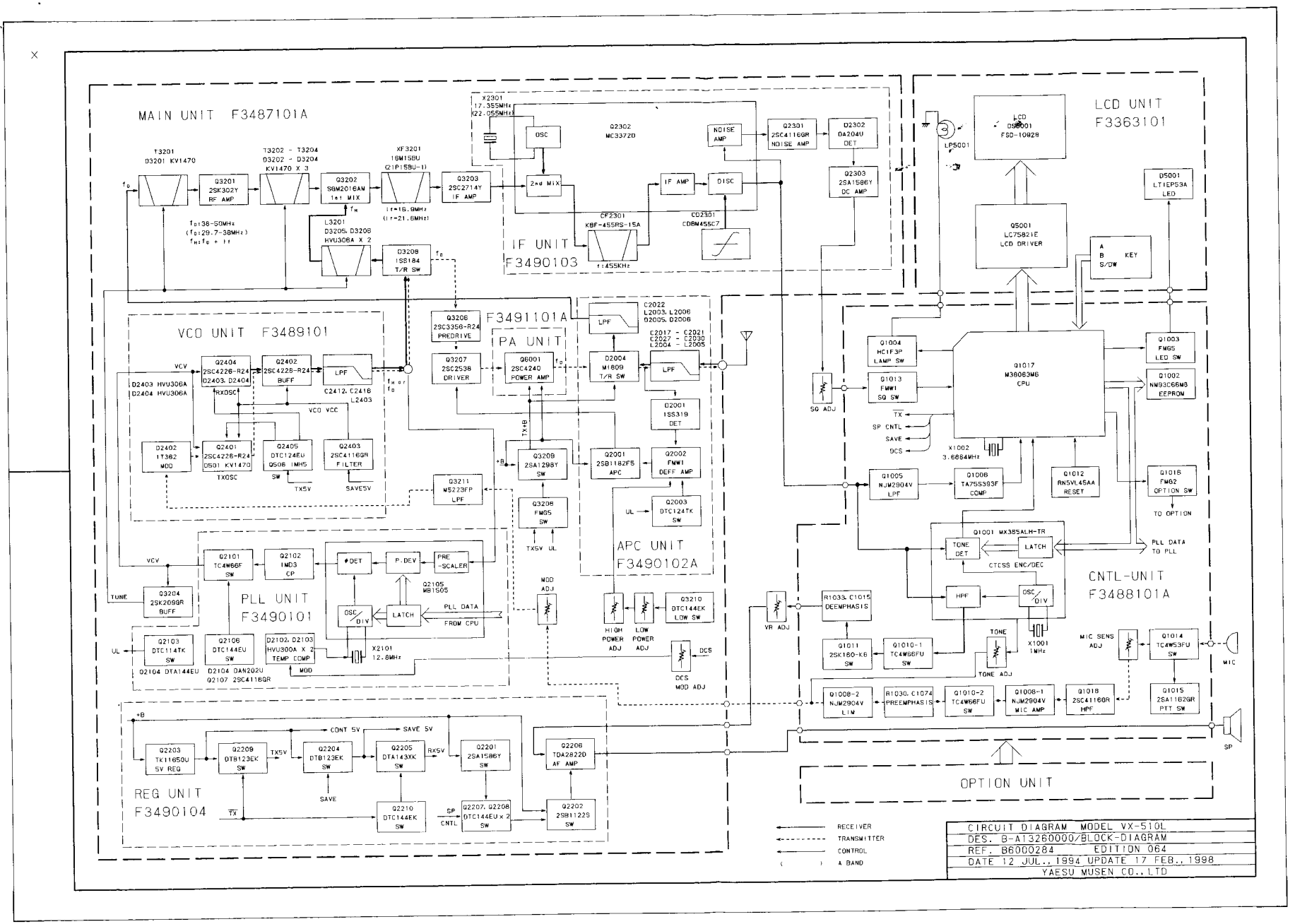

MAIN UNIT F3487101A
IF UNIT F3490103
LCD UNIT F3363101
VCO UNIT F3489101
F3491101A
PA UNIT
APC UNIT F3490102A
PLL UNIT F3490101
CNTL-UNIT F3488101A
REG UNIT F3490104
OPTION UNIT
X2301 17.355MHz X22.055MHz
Q2302 MC337ZD
OSC
2nd MIX
NOISE AMP
Q2301 2SC4116GR NOISE AMP
D2302 DA204U DET
Q2303 2SA1586Y DC AMP
IF AMP
DISC
CF2301 KBF-455RS-15A
CD2301 CDBM455C7
T3201 D3201 KV1470
Q3201 2SK302Y RF AMP
T3202 - T3204 D3202 - D3204 KV1470 X 3
Q3202 SBM2016AM 1st MIX
XF3201 19M15BU (21P15BU-1)
Q3203 2SC2714Y IF AMP
L3201 D3205, D3206 HVU306A X 2
D3208 1SS184 T/R SW
LCD DS8001 FSD-10828
LP5001
D5001 LT1EPS3A LED
Q5001 LC75821E LCD DRIVER
A B KEY S/DW
Q3206 2SC3356-R24 PREDRIVE
Q3207 2SC2538 DRIVER
Q6001 2SC4240 POWER AMP
LPF
C2022 L2003, L2006 D2005, D2006
C2017 - C2021 C2027 - C2030 L2004 - L2005
D2004 MI809 T/R SW
D2001 1SS319 DET
Q2001 2SB1182FB APC
Q2002 FMW1 DEFF AMP
Q2003 DTC124TK SW
Q3208 FMG5 SW
Q3209 2SA1298Y SW
Q3211 MS223FP LPF
VCO VCC
TX5V
SAVE5V
TXOSC
RXOSC
SW
Q2401 2SC4226-R24 D501 KV1470
Q2402 2SC4226-R24 BUFF
Q2403 2SC4116GR FILTER
Q2404 2SC4226-R24 D2403, D2404
D2402 1T362 MOD
D2403 HVU306A D2404 HVU306A
C2412, C2416 L2403
Q2101 TC4W66F SW
Q2102 IND3 CP
Q2103 DTC114TK SW
Q2104 DTA144EU
Q2106 DTC144EU SW
Q2107 2SC4116GR
D2102, D2103 HVU300A X 2 TEMP COMP
Q2105 MB1505
PLL DATA FROM CPU
X2101 12.8MHz
Q3204 2SK209GR BUFF
Q3210 DTC144EK LOW SW
HIGH POWER ADJ
LOW POWER ADJ
MOD ADJ
DCS MOD ADJ
Q1004 HC1F3P LAMP SW
Q1013 FMW1 SQ SW
Q1017 M38063MB CPU
Q1003 FMG5 LED SW
Q1002 NM93C66M8 EEPROM
SQ ADJ
X1002 3.6864MHz
Q1005 NJM2904V LPF
Q1006 TA75393F COMP
Q1012 RN5VL45AA RESET
Q1016 FMG2 OPTION SW
TO OPTION
Q1001 MX385ALH-TR
TONE DET
LATCH
CTCSS ENC/DEC
PLL DATA TO PLL
HPF
OSC/DIV
X1001 1MHz
TONE
TONE ADJ
R1033, C1015 DEEMPHASIS
Q1011 2SK180-K6 SW
Q1010-1 TC4W66FU SW
R1030, C1074 PREEMPHASIS
Q1010-2 TC4W66FU SW
Q1008-1 NJM2904V MIC AMP
Q1008-2 NJM2904V LIM
Q1018 2SC4116GR HPF
Q1014 TC4W53FU SW
Q1015 2SA1162GR PTT SW
MIC SENS ADJ
MIC
SP
VR ADJ
Q2203 TK11650U 5V REG
Q2209 DTB123EK SW
Q2204 DTB123EK SW
Q2205 DTA143XK SW
Q2201 2SA1586Y SW
Q2206 TDA2822D AF AMP
Q2210 DTC144EK SW
Q2207, Q2208 DTC144EU x 2 SW
Q2202 2SB1122S SW
CONT 5V
SAVE 5V
RX5V
SP CNTL
RECEIVER
TRANSMITTER
CONTROL
() A BAND
CIRCUIT DIAGRAM MODEL VX-510L
DES. B-A13260000/BLOCK-DIAGRAM
REF. B6000284 EDITION 064
DATE 12 JUL., 1994 UPDATE 17 FEB., 1998
YAESU MUSEN CO., LTD