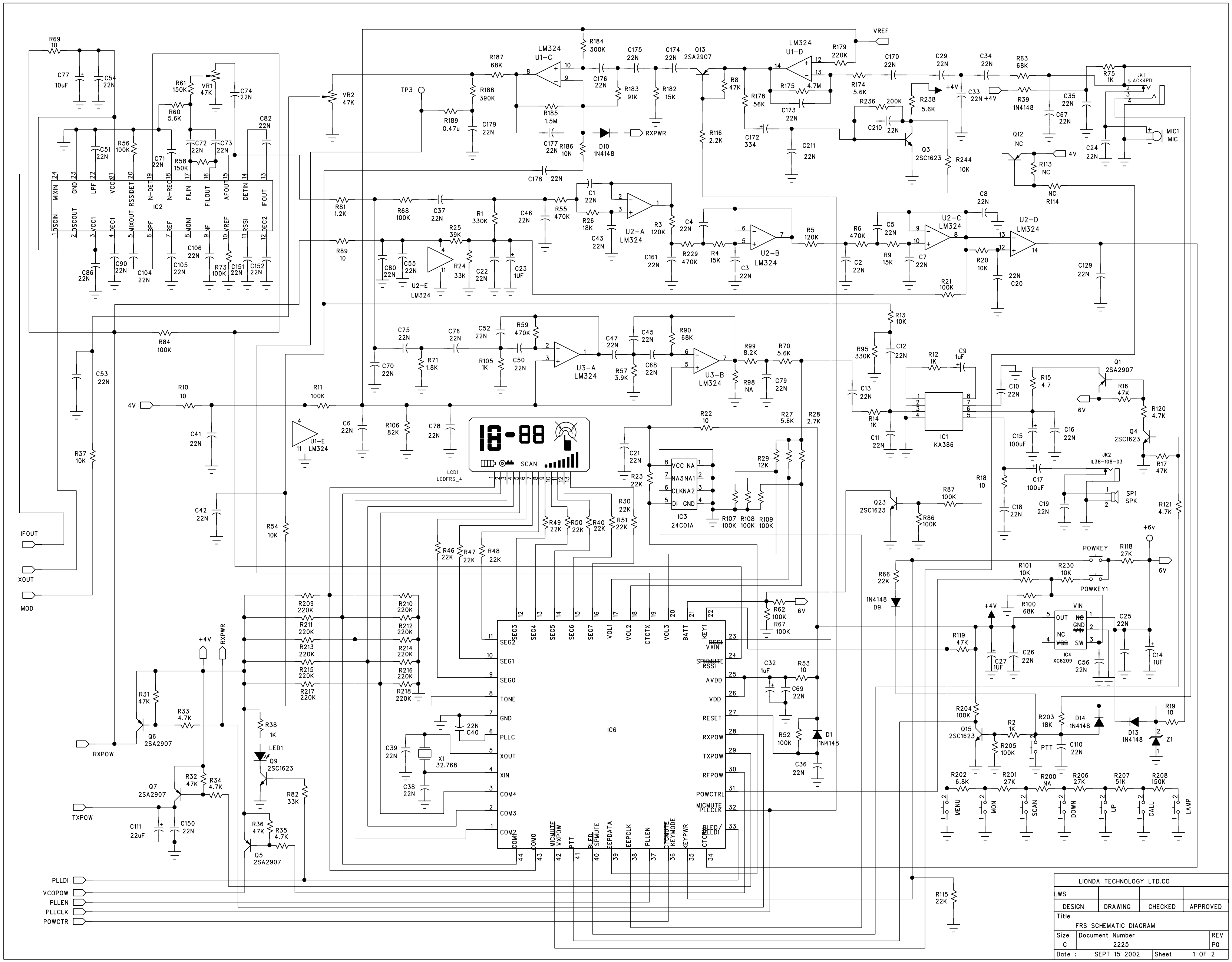
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LWS
DESIGN
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FRS SCHEMATIC DIAGRAM
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Sheet 1 OF 2
IC2
MIXIN
GND
LPF
VCC
RSSIDET
N-DET
N-REC
FILIN
FILOUT
AFOUT
DETIN
IFOUT
OSCIN
OSCOUT
VCC1
DEC1
MIXOUT
BPF
REF
MONI
NF
VREF
RSSI
DEC2
IC6
SEG0
SEG1
SEG2
SEG3
SEG4
SEG5
SEG6
SEG7
VOL1
VOL2
CTCTX
VOL3
BATT
KEY1
TONE
GND
PLLC
XOUT
XIN
COM4
COM3
COM2
COM1
COM0
AVDD
VDD
RESET
RXPOW
TXPOW
RFPOW
POWCTRL
MICMUTE
PLLCLK
BLED/
PLLDI
CTCRX
KEYPWR
KEYMODE
PLLEN
EEPCLK
EEPDATA
SPMUTE
PTT
VXPOW
IC3
24C01A
IC1
KA386
IC4
XC6209
LCD1
LCDFRS_4
SCAN
X1
32.768
U1-C LM324
U1-D LM324
U1-E LM324
U2-A LM324
U2-B LM324
U2-C LM324
U2-D LM324
U2-E LM324
U3-A LM324
U3-B LM324
Q1 2SA2907
Q3 2SC1623
Q4 2SC1623
Q5 2SA2907
Q6 2SA2907
Q7 2SA2907
Q9 2SC1623
Q12 NC
Q13 2SA2907
Q15 2SC1623
Q23 2SC1623
JK1 JACK4PD
JK2 IL38-108-03
MIC1 MIC
SP1 SPK
LED1
D1 1N4148
D9 1N4148
D10 1N4148
D13 1N4148
D14 1N4148
Z1
VR1 47K
VR2 47K
TP3
VREF
RXPWR
+4V
4V
6V
+6v
IFOUT
XOUT
MOD
RXPOW
TXPOW
PLLDI
VCOPOW
PLLEN
PLLCLK
POWCTR
POWKEY
POWKEY1
PTT
MENU
MON
SCAN
DOWN
UP
CALL
LAMP