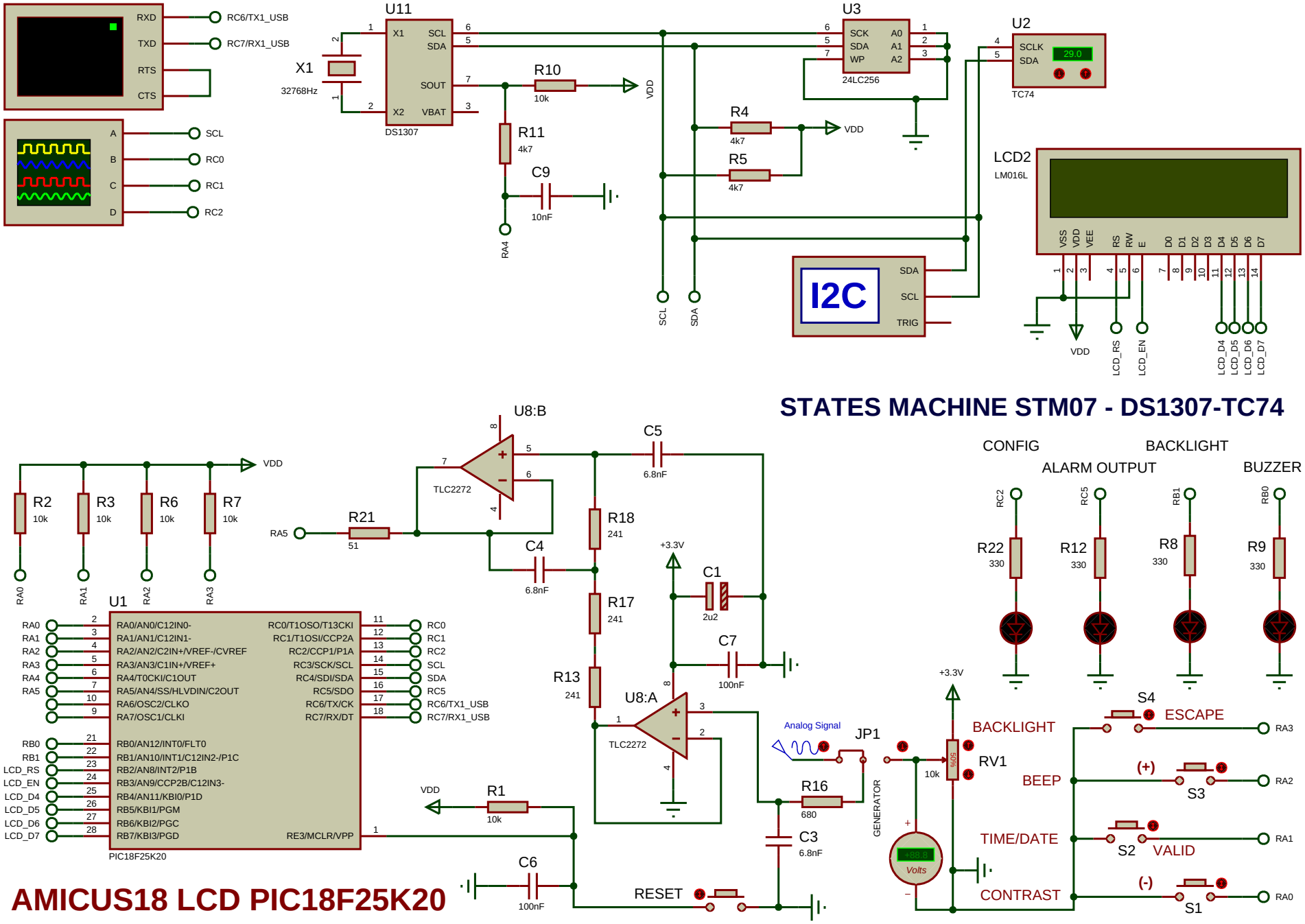
RXD
TXD
RTS
CTS
RC6/TX1_USB
RC7/RX1_USB
A
B
C
D
SCL
RC0
RC1
RC2
U11
X1
32768Hz
DS1307
SCL
SDA
SOUT
VBAT
R10
10k
R11
4k7
C9
10nF
RA4
VDD
R4
4k7
R5
4k7
U3
24LC256
SCK
SDA
WP
A0
A1
A2
U2
TC74
SCLK
SDA
29.0
LCD2
LM016L
VSS
VDD
VEE
RS
RW
E
D0
D1
D2
D3
D4
D5
D6
D7
LCD_RS
LCD_EN
LCD_D4
LCD_D5
LCD_D6
LCD_D7
I2C
TRIG
STATES MACHINE STM07 - DS1307-TC74
U8:B
TLC2272
C5
6.8nF
R18
241
C4
6.8nF
R17
241
R13
241
U8:A
+3.3V
C1
2u2
C7
100nF
R21
51
R2
10k
R3
10k
R6
10k
R7
10k
U1
PIC18F25K20
RA0/AN0/C12IN0-
RA1/AN1/C12IN1-
RA2/AN2/C2IN+/VREF-/CVREF
RA3/AN3/C1IN+/VREF+
RA4/T0CKI/C1OUT
RA5/AN4/SS/HLVDIN/C2OUT
RA6/OSC2/CLKO
RA7/OSC1/CLKI
RC0/T1OSO/T13CKI
RC1/T1OSI/CCP2A
RC2/CCP1/P1A
RC3/SCK/SCL
RC4/SDI/SDA
RC5/SDO
RC6/TX/CK
RC7/RX/DT
RB0/AN12/INT0/FLT0
RB1/AN10/INT1/C12IN2-/P1C
RB2/AN8/INT2/P1B
RB3/AN9/CCP2B/C12IN3-
RB4/AN11/KBI0/P1D
RB5/KBI1/PGM
RB6/KBI2/PGC
RB7/KBI3/PGD
RE3/MCLR/VPP
R1
10k
C6
100nF
RESET
Analog Signal
JP1
R16
680
C3
6.8nF
GENERATOR
RV1
50%
10k
Volts
CONFIG
BACKLIGHT
ALARM OUTPUT
BUZZER
R22
330
R12
330
R8
330
R9
330
S4
ESCAPE
BACKLIGHT
BEEP
(+)
S3
TIME/DATE
S2
VALID
(-)
CONTRAST
S1
RA3
RA2
RA1
RA0
AMICUS18 LCD PIC18F25K20