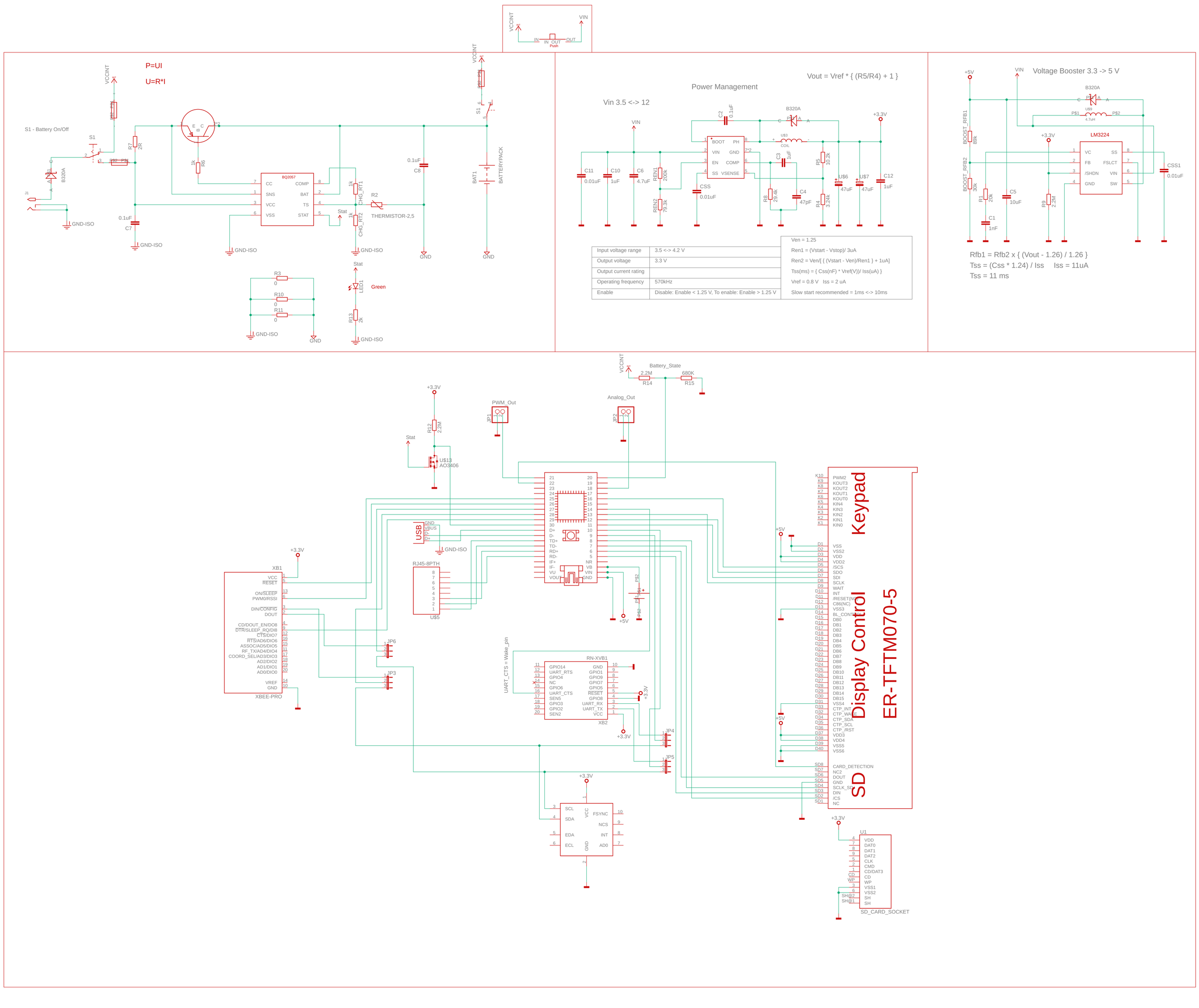
P=UI
U=R*I
S1 - Battery On/Off
BQ2057
THERMISTOR-2,5
BATTERYPACK
Power Management
Vout = Vref * { (R5/R4) + 1 }
Vin 3.5 <-> 12
Input voltage range | 3.5 <-> 4.2 V
Output voltage | 3.3 V
Output current rating
Operating frequency | 570kHz
Enable | Disable: Enable < 1.25 V, To enable: Enable > 1.25 V
Ven = 1.25
Ren1 = (Vstart - Vstop)/ 3uA
Ren2 = Ven/{ (Vstart - Ven)/Ren1 } + 1uA]
Tss(ms) = { Css(nF) * Vref(V))/ Iss(uA) }
Vref = 0.8 V Iss = 2 uA
Slow start recommended = 1ms <-> 10ms
Voltage Booster 3.3 -> 5 V
LM3224
Rfb1 = Rfb2 x { (Vout - 1.26) / 1.26 }
Tss = (Css * 1.24) / Iss Iss = 11uA
Tss = 11 ms
XBEE-PRO
RN-XVB1
UART_CTS = Wake_pin
Keypad
Display Control
ER-TFTM070-5
SD
SD_CARD_SOCKET
Battery_State
Analog_Out
PWM_Out
USB
RJ45-8PTH