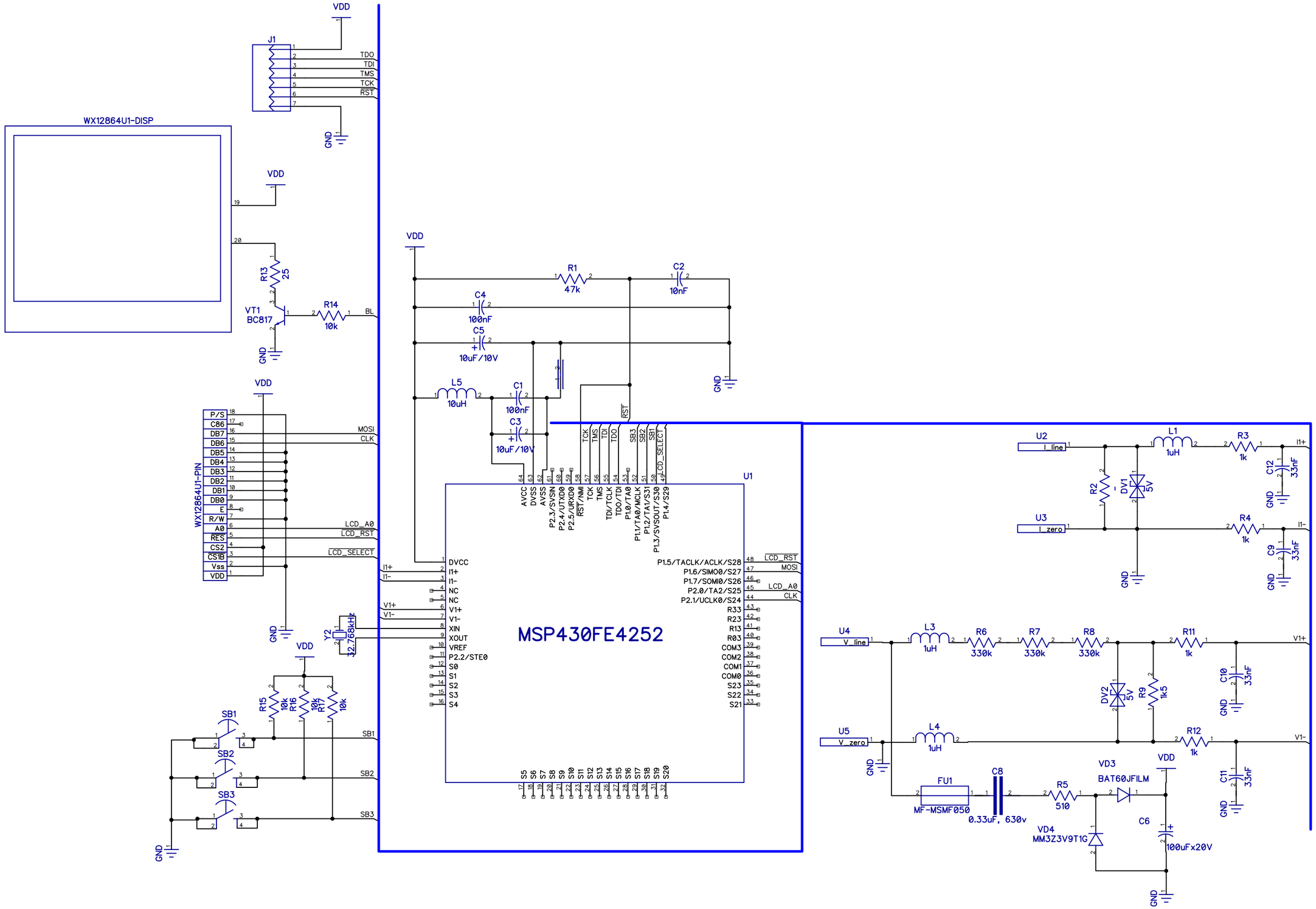
VDD
J1
TDO
TDI
TMS
TCK
RST
GND
WX12864U1-DISP
19
20
R13
25
VT1
BC817
R14
10k
BL
WX12864U1-PIN
P/S
C86
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
E
R/W
A0
RES
CS2
CS1B
Vss
MOSI
CLK
LCD_A0
LCD_RST
LCD_SELECT
R15
10k
R16
10k
R17
10k
SB1
SB2
SB3
Y2
12.768kHz
R1
47k
C2
10nF
C4
100nF
C5
10uF/10V
L5
10uH
C1
100nF
C3
10uF/10V
U1
MSP430FE4252
AVCC
DVSS
AVSS
P2.3/SVSIN
P2.4/UTXD0
P2.5/URXD0
RST/NMI
TCK
TMS
TDI/TCLK
TDO/TDI
P1.0/TA0
P1.1/TA0/MCLK
P1.2/TA1/S31
P1.3/SVSOUT/S30
P1.4/S29
P1.5/TACLK/ACLK/S28
P1.6/SIMO0/S27
P1.7/SOMI0/S26
P2.0/TA2/S25
P2.1/UCLK0/S24
DVCC
I1+
I1-
NC
V1+
V1-
XIN
XOUT
VREF
P2.2/STE0
S0
S1
S2
S3
S4
R33
R23
R13
R03
COM3
COM2
COM1
COM0
S23
S22
S21
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
S16
S17
S18
S19
S20
U2
I_line
L1
1uH
R3
1k
C12
33nF
R2
-
DV1
5V
U3
I_zero
R4
1k
C9
33nF
U4
V_line
L3
1uH
R6
330k
R7
330k
R8
330k
R11
1k
C10
33nF
DV2
5V
R9
1k5
U5
V_zero
L4
1uH
R12
1k
C11
33nF
FU1
MF-MSMF050
C8
0.33uF, 630v
R5
510
VD3
BAT60JFILM
VD4
MM3Z3V9T1G
C6
100uFx20V