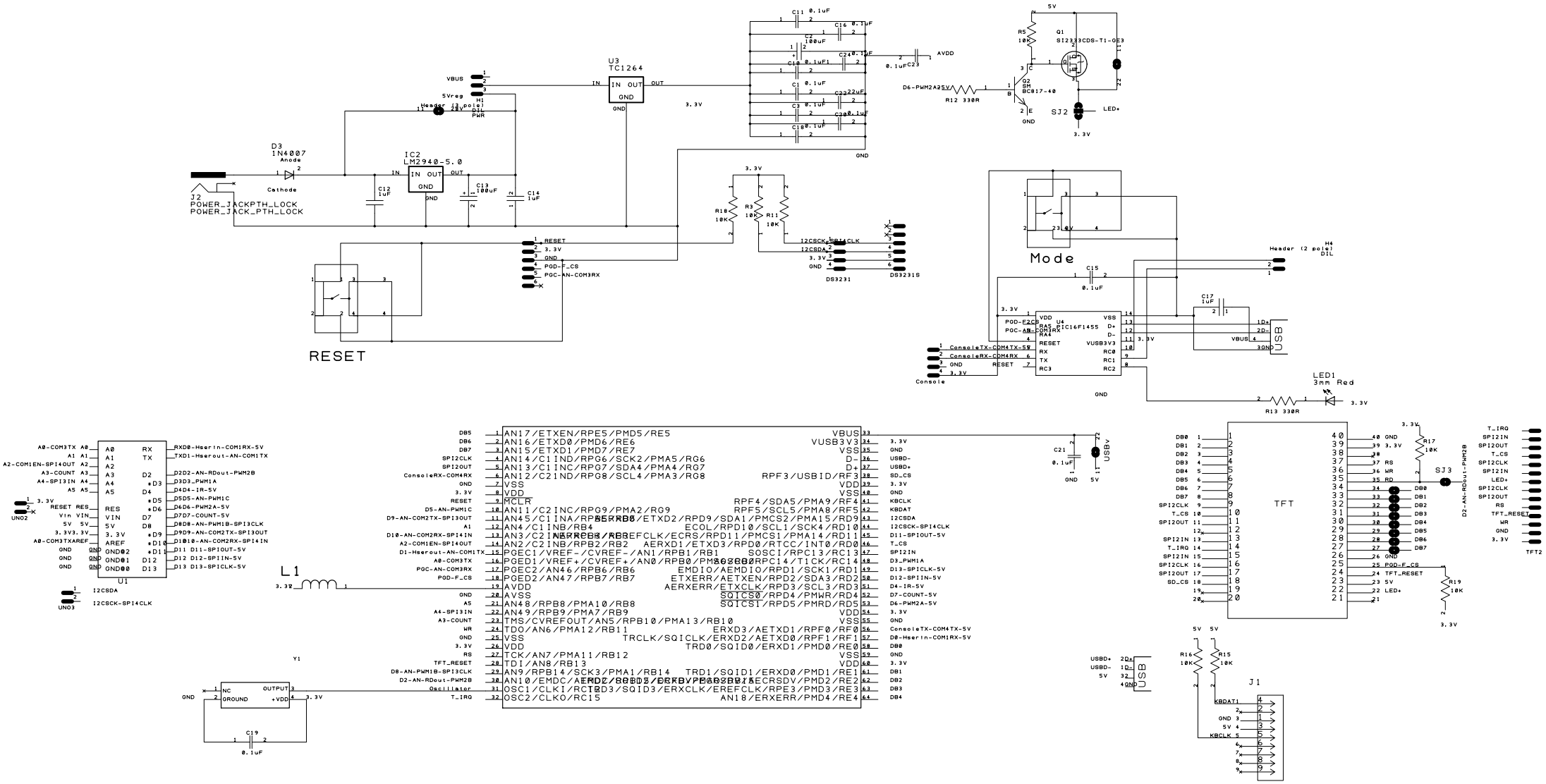
U3
TC1264
IN
OUT
GND
3.3V
AVDD
VBUS
5Vreg
H1
Header (3 pole)
DIL
PWR
D3
1N4007
Anode
Cathode
J2
POWER_JACKPTH_LOCK
POWER_JACK_PTH_LOCK
IC2
LM2940-5.0
C11 0.1uF
C16 0.1uF
C2 100uF
C24 0.1uF
C19 0.1uF1
C1 0.1uF
C22 22uF
C3 0.1uF
C20 0.1uF
C18 0.1uF
C12 1uF
C13 100uF
C14 1uF
C23 0.1uF
D6-PWM2A25V
R12 330R
Q1
SI2333CDS-T1-GE3
Q2
SM
BC817-40
SJ2
LED+
R5
10K
R18
10K
R3
10K
R11
10K
RESET
3.3V
GND
PGD-F_CS
PGC-AN-COM3RX
12CSCK-SPI4CLK
12CSDA
DS3231
DS3231S
Mode
Header (2 pole)
DIL
H4
C15
0.1uF
C17
1uF
PIC16F1455
PGD-F2CS
PGC-AN-COM3RX
RESET
RX
TX
RC3
VDD
VSS
D+
D-
VUSB3V3
RC0
RC1
RC2
RA5
RA4
VBUS
USB
ConsoleTX-COM4TX-5V
ConsoleRX-COM4RX
Console
LED1
3mm Red
R13 330R
RESET
A0-COM3TX
A1
A2-COM1EN-SPI4OUT
A3-COUNT
A4-SPI3IN
A5
3.3V
RESET RES
Vin VIN
5V 5V
3.3V3 3V
A0-COM3TXAREF
GND
GND
GND
UNO2
I2CSDA
I2CSCK-SPI4CLK
UNO3
U1
RXD0-Hserin-COM1RX-5V
TXD1-Hserout-AN-COM1TX
D2D2-AN-RDout-PWM2B
D3D3_PWM1A
D4D4-IR-5V
D5D5-AN-PWM1C
D6D6-PWM2A-5V
D7D7-COUNT-5V
D8D8-AN-PWM1B-SPI3CLK
D9D9-AN-COM2TX-SPI3OUT
D10D10-AN-COM2RX-SPI4IN
D11 D11-SPI0UT-5V
D12 D12-SPI1N-5V
D13 D13-SPICLK-5V
L1
3.3V
Y1
NC
GROUND
OUTPUT
+VDD
C19
0.1uF
DB5
DB6
DB7
SPI2CLK
SPI2OUT
ConsoleRX-COM4RX
GND
3.3V
RESET
D5-AN-PWM1C
D9-AN-COM2TX-SPI3OUT
A1
D10-AN-COM2RX-SPI4IN
A2-COM1EN-SPI4OUT
D1-Hserout-AN-COM1TX
A0-COM3TX
PGC-AN-COM3RX
PGD-F_CS
GND
A5
A4-SPI3IN
A3-COUNT
WR
GND
3.3V
RS
TFT_RESET
D8-AN-PWM1B-SPI3CLK
D2-AN-RDout-PWM2B
Oscillator
T_IRQ
AN17/ETXEN/RPE5/PMD5/RE5
AN16/ETXD0/PMD6/RE6
AN15/ETXD1/PMD7/RE7
AN14/C1IND/RPG6/SCK2/PMA5/RG6
AN13/C1INC/RPG7/SDA4/PMA4/RG7
AN12/C2IND/RPG8/SCL4/PMA3/RG8
VSS
VDD
MCLR
AN11/C2INC/RPG9/PMA2/RG9
AN45/C1INA/RPB5/RP37/ETXD2/RPD9/SDA1/PMCS2/PMA15/RD9
AN4/C1INB/RB4
AN3/C2INA/RPB3/PMA0/REFCLK/ECRS/RPD11/PMCS1/PMA14/RD11
AN2/C2INB/RPB2/RB2
PGEC1/VREF-/CVREF-/AN1/RPB1/RB1
PGED1/VREF+/CVREF+/AN0/RPB0/PMA6/RP32/RPC14/T1CK/RC14
PGEC2/AN46/RPB6/RB6
PGED2/AN47/RPB7/RB7
AVDD
AVSS
AN48/RPB8/PMA10/RB8
AN49/RPB9/PMA7/RB9
TMS/CVREFOUT/AN5/RPB10/PMA13/RB10
TDO/AN6/PMA12/RB11
VSS
VDD
TCK/AN7/PMA11/RB12
TDI/AN8/RB13
AN9/RPB14/SCK3/PMA1/RB14
AN10/EMDC/AERDV/RPB15/ERXDV/ECRSDV/PMA0/RB15
OSC1/CLKI/RC12
OSC2/CLKO/RC15
VBUS
VUSB3V3
VSS
D-
D+
RPF3/USBID/RF3
VDD
VSS
RPF4/SDA5/PMA9/RF4
RPF5/SCL5/PMA8/RF5
RPC13/RC13
SOSCI/RPC13/RC13
RPC14/T1CK/RC14
EMDIO/AEMDIO/RPD1/SCK1/RD1
ETXERR/AETXEN/RPD2/SDA3/RD2
AERXERR/ETXCLK/RPD3/SCL3/RD3
SOICS0/RPD4/PMWR/RD4
SOICS1/RPD5/PMRD/RD5
VDD
VSS
ERXD3/AETXD1/RPF0/RF0
TRCLK/SQICLK/ERXD2/AETXD0/RPF1/RF1
TRD0/SQID0/ERXD1/PMD0/RE0
VSS
VDD
TRD1/SQID1/ERXD0/PMD1/RE1
ECRSDV/PMD2/RE2
AN18/ERXERR/PMD4/RE4
3.3V
VUSB3V3
GND
USBD-
USBD+
RPF3/USBID/RF3
SD_CS
3.3V
KBCLK
KBDAT
I2CSDA
I2CSCK-SPI4CLK
D11-SPI0UT-5V
T_CS
SPI2IN
D3_PWM1A
D13-SPICLK-5V
D12-SPI1N-5V
D4-1R-5V
D7-COUNT-5V
D6-PWM2A-5V
3.3V
GND
ConsoleTX-COM4TX-5V
D0-Hserin-COM1RX-5V
DB0
3.3V
GND
DB1
DB2
DB3
C21
0.1uF
USBV
TFT
SJ3
D2-AN-RDout-PWM2B
R17
10K
R19
10K
TFT_RESET
LED+
T_IRQ
SPI2IN
SPI2OUT
T_CS
SPI2CLK
SPI2IN
LED+
SPI2CLK
SPI2OUT
RS
TFT_RESET
WR
GND
3.3V
TFT2
USBD+
USBD-
5V
R16
10K
R15
10K
J1
KBDAT
GND
5V
KBCLK