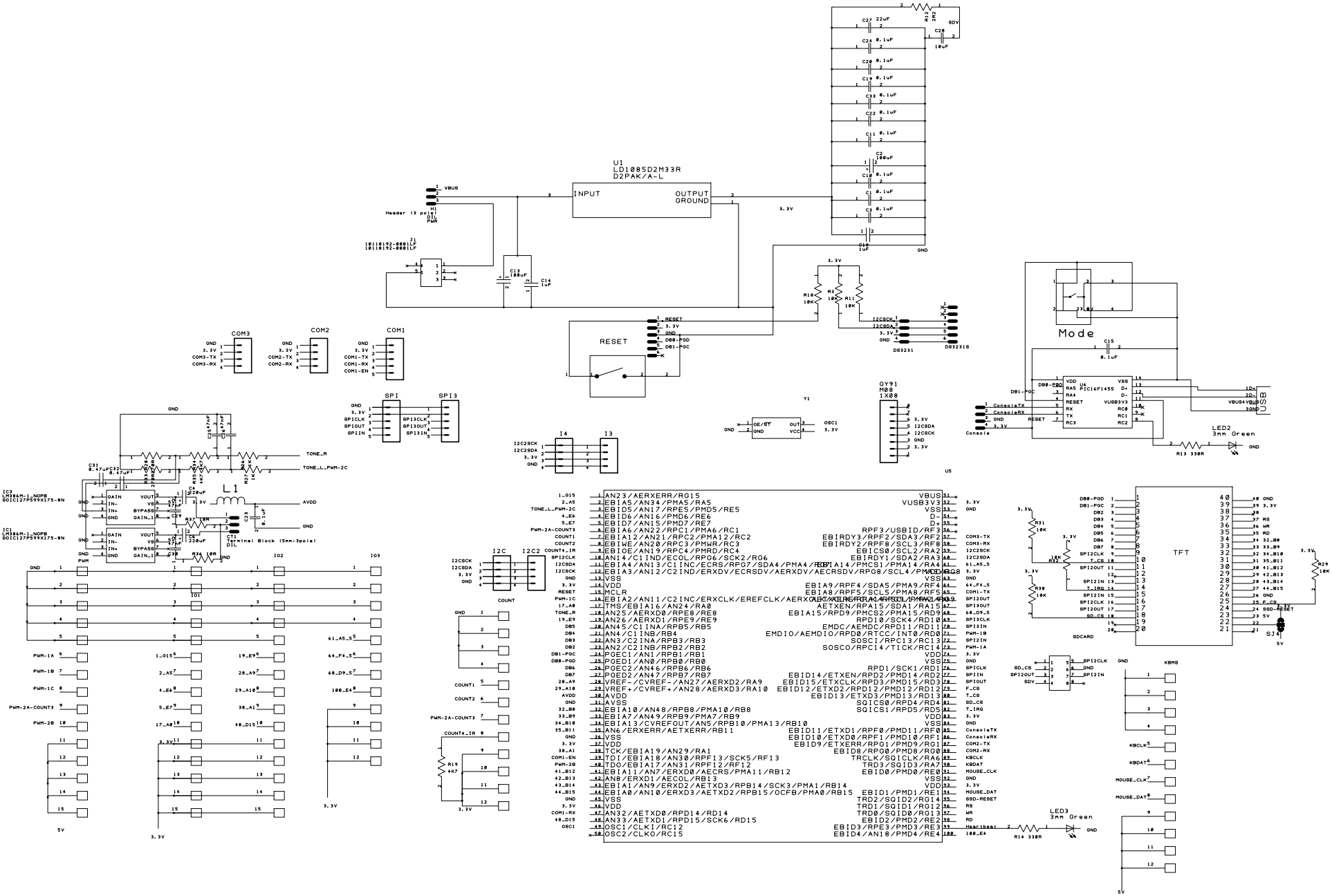
U1
LD1085D2M33R
D2PAK/A-L
INPUT
OUTPUT
GROUND
3.3V
GND
VBUS
Header (3 pole)
H1
DIL
PWR
J1
10118192-0001LF
10118192-0001LF
C13
100uF
C14
1uF
C27 22uF
C28
10uF
R12
2K2
5DV
C24 0.1uF
C20 0.1uF
C19 0.1uF
C33 0.1uF
C22 0.1uF
C11 0.1uF
C2
100uF
C10 0.1uF
C1 0.1uF
C3 0.1uF
C16
1uF
R18
10K
R9
10K
R11
10K
I2CSCK
I2CSDA
DS3231
DS3231S
RESET
DB0-POD
DB1-POC
COM3
COM2
COM1
GND
3.3V
COM3-TX
COM3-RX
COM2-TX
COM2-RX
COM1-TX
COM1-RX
COM1-EN
SPI
SPI3
SPICLK
SPIOUT
SPIIN
SPI3CLK
SPI3OUT
SPI3IN
Mode
C15
0.1uF
U4
PIC16F1455
VDD
RA5
RA4
RESET
RX
TX
RC3
VSS
D+
D-
VUSB3V3
RC0
RC1
RC2
Console
ConsoleTX
ConsoleRX
VBUS
LED2
3mm Green
R13 330R
Y1
OE/ST
OUT
VCC
OSC1
GY91
M08
1X08
U5
I4
I3
TONE_R
TONE_L_PWM-2C
C31
0.47uF
C32
0.47uF
R35 10K
R36 10K
R37 10K
R27 1K
C25 47nF
C26 47nF
IC3
LM386M-1_NOPB
SOIC127P599X175-8N
IC1
LM386M-1_NOPB
SOIC127P599X175-8N
GAIN
IN-
IN+
VOUT
VS
BYPASS
GAIN_1
L1
220uF
C29
0.1uF
C30
220uF
C33
C34
C39
C40
C11
Terminal Block (5mm-3pole)
DIL
AVDD
PWM
I2C
I2C2
COUNT
R19
4K7
AN23/AERXERR/RG15
EBIA5/AN34/PMA5/RA5
EBID5/AN17/RPE5/PMD5/RE5
EBID6/AN16/PMD6/RE6
EBID7/AN15/PMD7/RE7
EBIA6/AN22/RPC1/PMA6/RC1
EBIA12/AN21/RPC2/PMA12/RC2
EBIWE/AN20/RPC3/PMWR/RC3
EBIOE/AN19/RPC4/PMRD/RC4
AN14/C1IND/ECOL/RPG6/SCK2/RG6
EBIA4/AN13/C1INC/ECRS/RPG7/SDA4/PMA4/RG7
EBIA3/AN12/C2IND/ERXDV/ECRSDV/AERXDV/AECRSDV/RPG8/SCL4/PMA3/RG8
VSS
VDD
MCLR
EBIA2/AN11/C2INC/ERXCLK/EREFCLK/AERXCLK/AEREFCLK/RPG9/SDA3/PMA2/RG9
TMS/EBIA16/AN24/RA0
AN25/AERXD0/RPE8/RE8
AN26/AERXD1/RPE9/RE9
AN45/C1INA/RPB5/RB5
AN4/C1INB/RB4
AN3/C2INA/RPB3/RB3
AN2/C2INB/RPB2/RB2
PGEC1/AN1/RPB1/RB1
PGED1/AN0/RPB0/RB0
PGEC2/AN46/RPB6/RB6
PGED2/AN47/RPB7/RB7
VREF-/CVREF-/AN27/AERXD2/RA9
VREF+/CVREF+/AN28/AERXD3/RA10
AVDD
AVSS
EBIA10/AN48/RPB8/PMA10/RB8
EBIA7/AN49/RPB9/PMA7/RB9
EBIA13/CVREFOUT/AN5/RPB10/PMA13/RB10
AN6/ERXERR/AETXERR/RB11
VSS
VDD
TCK/EBIA19/AN29/RA1
TDI/EBIA18/AN30/RPF13/SCK5/RF13
TDO/EBIA17/AN31/RPF12/RF12
EBIA11/AN7/ERXD0/AECRS/PMA11/RB12
AN8/ERXD1/AECOL/RB13
EBIA1/AN9/ERXD2/AETXD3/RPB14/SCK3/PMA1/RB14
EBIA0/AN10/ERXD3/AETXD2/RPB15/OCFB/PMA0/RB15
VSS
VDD
AN32/AETXD0/RPD14/RD14
AN33/AETXD1/RPD15/SCK6/RD15
OSC1/CLKI/RC12
OSC2/CLKO/RC15
VBUS
VUSB3V3
VSS
D-
D+
RPF3/USBID/RF3
EBIRDY3/RPF2/SDA3/RF2
EBIRDY2/RPF8/SCL3/RF8
EBICS0/SCL2/RA2
EBIRDY1/SDA2/RA3
EBIA14/PMCS1/PMA14/RA4
EBIA14/PMCS1/PMA14/RD4
VSS
EBIA9/RPF4/SDA5/PMA9/RF4
EBIA8/RPF5/SCL5/PMA8/RF5
AETXEN/RPA15/SDA1/RA15
EBIA15/RPD9/PMCS2/PMA15/RD9
RPD10/SCK4/RD10
EMDC/AEMDC/RPD11/RD11
EMDIO/AEMDIO/RPD0/RTCC/INT0/RD0
SOSCI/RPC13/RC13
SOSCO/RPC14/T1CK/RC14
VDD
VSS
RPD1/SCK1/RD1
EBID14/ETXEN/RPD2/PMD14/RD2
EBID15/ETXCLK/RPD3/PMD15/RD3
EBID12/ETXD2/RPD12/PMD12/RD12
EBID13/ETXD3/RPD13/PMD13/RD13
SQICS0/RPD4/RD4
SQICS1/RPD5/RD5
VDD
VSS
EBID11/ETXD1/RPF0/PMD11/RF0
EBID10/ETXD0/RPF1/PMD10/RF1
EBID9/ETXERR/RPD1/PMD9/RD1
EBID8/RPG0/PMD8/RG0
TRCLK/SQICLK/RA6
TRD3/SQID3/RA7
EBID0/PMD0/RE0
VSS
VDD
EBID1/PMD1/RE1
TRD2/SQID2/RG14
TRD1/SQID1/RG12
TRD0/SQID0/RG13
EBID2/PMD2/RE2
EBID3/RPE3/PMD3/RE3
EBID4/AN18/PMD4/RE4
1_G15
2_A5
TONE_L_PWM-2C
4_E6
5_E7
PWM-2A-COUNT3
COUNT1
COUNT2
COUNT4_IR
SPI2CLK
I2CSDA
I2CSCK
RESET
TONE_R
19_E9
DB5
DB4
DB3
DB2
DB1-POC
DB0-POD
DB6
DB7
20_A9
29_A10
32_B8
33_B9
34_B10
35_B11
COM1-EN
PWM-2B
41_B12
42_B13
43_B14
44_B15
COM1-RX
48_D15
OSC1
PWM-1A
PWM-1B
PWM-1C
IO1
IO2
IO3
61_A5
64_F4
68_D9
100_E4
COM3-TX
COM3-RX
I2C2SCK
I2C2SDA
61_A5_5
64_F4_5
COM1-TX
SPI2OUT
SPI3OUT
68_D9_5
SPI3CLK
SPI3IN
PWM-1B
SPI2IN
PWM-1A
SPICLK
SPIIN
SPIOUT
F_CS
T_CS
SD_CS
T_IRQ
ConsoleTX
ConsoleRX
COM2-TX
COM2-RX
KBCLK
KBDAT
MOUSE_CLK
MOUSE_DAT
SSD-RESET
RS
WR
RD
Heartbeat
TFT
SDCARD
SD_CS
SPI2OUT
SDV
SPI2CLK
SPI2IN
KBMS
LED3
3mm Green
R14 330R
R29
10K
SJ4
5V