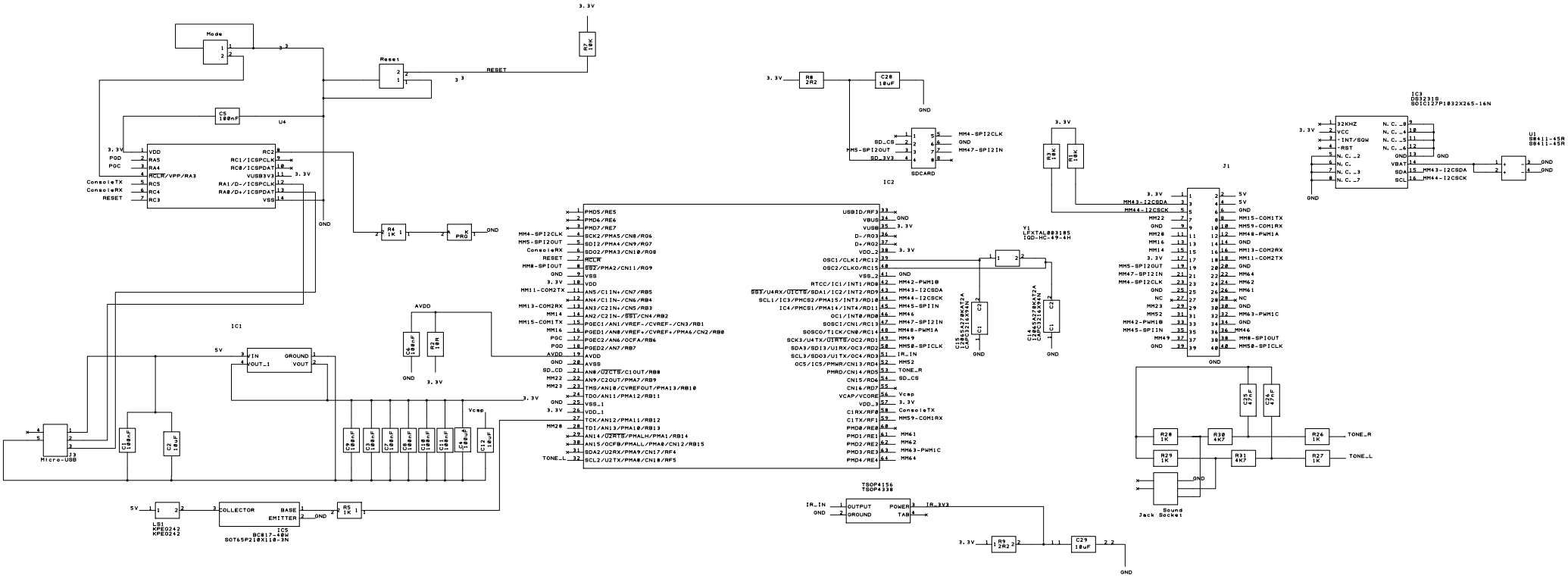

Mode
Reset
RESET
3.3V
R7 10K
C5 100nF
U4
VDD
RA5
RA4
RCLR/VPP/RA3
RC5
RC4
RC3
RC2
RC1/ICSPCLK
RC0/ICSPDAT
VUSB3V3
RA1/D-/ICSPCLK
RA0/D+/ICSPDAT
VSS
ConsoleTX
ConsoleRX
RESET
GND
R4 1K
K PRO
R8 2R2
C28 10uF
SDCARD
MM4-SPI2CLK
MM5-SPI2OUT
MM4-SPI2IN
MM47-SPI2IN
IC2
PMD5/RE5
PMD6/RE6
PMD7/RE7
SCK2/PMA5/CN8/RG6
SDI2/PMA4/CN9/RG7
SDO2/PMA3/CN10/RG8
MCLR
SS2/PMA2/CN11/RG9
VSS
VDD
AN5/C1IN+/CN7/RB5
AN4/C1IN-/CN6/RB4
AN3/C2IN+/CN5/RB3
AN2/C2IN-/SS1/CN4/RB2
PGEC1/AN1/VREF-/CVREF-/CN3/RB1
PGED1/AN0/VREF+/CVREF+/PMA6/CN2/RB0
PGEC2/AN6/OCFA/RB6
PGED2/AN7/RB7
AVDD
AVSS
AN8/U2CTS/C1OUT/RB8
AN9/C2OUT/PMA7/RB9
TMS/AN10/CVREFOUT/PMA13/RB10
TDO/AN11/PMA12/RB11
VSS_1
VDD_1
TCK/AN12/PMA11/RB12
TDI/AN13/PMA10/RB13
AN14/U2RTS/PMALH/PMA1/RB14
AN15/OCFB/PMALL/PMA0/CN12/RB15
SDA2/U2RX/PMA9/CN17/RF4
SCL2/U2TX/PMA8/CN18/RF5
USBID/RF3
VBUS
VUSB
D-/RG3
D+/RG2
VDD_2
OSC1/CLKI/RC12
OSC2/CLKO/RC15
VSS_2
RTCC/IC1/INT1/RD8
SS3/U4RX/U1CTS/SDA1/IC2/INT2/RD9
SCL1/IC3/PMCS2/PMA15/INT3/RD10
IC4/PMCS1/PMA14/INT4/RD11
OC1/INT0/RD0
SOSC1/CN1/RC13
SOSCO/T1CK/CN0/RC14
SCK3/U4TX/U1RTS/OC2/RD1
SDA3/SDI3/U1RX/OC3/RD2
SCL3/SDO3/U1TX/OC4/RD3
OC5/IC5/PMWR/CN13/RD4
PMRD/CN14/RD5
CN15/RD6
CN16/RD7
VCAP/VCORE
VDD_3
C1RX/RF0
C1TX/RF1
PMD0/RE0
PMD1/RE1
PMD2/RE2
PMD3/RE3
PMD4/RE4
MM4-SPI2CLK
MM5-SPI2OUT
ConsoleRX
RESET
MM8-SPIOUT
MM11-COM2TX
MM13-COM2RX
MM14
MM15-COM1TX
MM16
PGC
PGD
AVDD
GND
SD_CD
MM22
MM23
MM28
TONE_L
Y1
LFXTAL003185
IQD-HC-49-4H
C15 C1 C2
C16 C1 C2
C14 C1 C2
C25 47nF
C26 47nF
R28 1K
R29 1K
R30 4K7
R31 4K7
R26 1K
R27 1K
TONE_R
TONE_L
Sound Jack Socket
J1
MM43-I2CSDA
MM44-I2CSCK
MM22
MM28
MM16
MM14
MM5-SPI2OUT
MM47-SPI2IN
MM4-SPI2CLK
MM23
MM52
MM42-PWM1B
MM45-SPI1N
MM49
MM15-COM1TX
MM59-COM1RX
MM48-PWM1A
MM13-COM2RX
MM11-COM2TX
MM64
MM62
MM61
MM63-PWM1C
MM46
MM8-SPIOUT
MM50-SPICLK
IC3
DS3231S
SOIC127P1032X265-16N
32KHZ
VCC
INT/SQW
RST
N.C._2
N.C.
N.C._3
N.C._7
N.C._8
N.C._4
N.C._5
N.C._6
VBAT
SDA
SCL
MM43-I2CSDA
MM44-I2CSCK
U1
S8411-45R
IC1
5V
VIN
VOUT_1
GROUND
VOUT
Micro-USB
J3
C1 100nF
C2 10uF
C6 100nF
R2 10R
C8 100nF
C3 100nF
C7 100nF
C9 100nF
C10 100nF
C11 100nF
C4 100nF
C12 10uF
Vcap
LS1
KPEG242
KPEG242
COLLECTOR
BASE
EMITTER
IC5
BC817-40W
SOT65P210X110-3N
R5 1K
TSOP4156
TSOP4338
IR_IN
OUTPUT
GROUND
POWER
TAB
IR_3V3
R9 2R2
C29 10uF