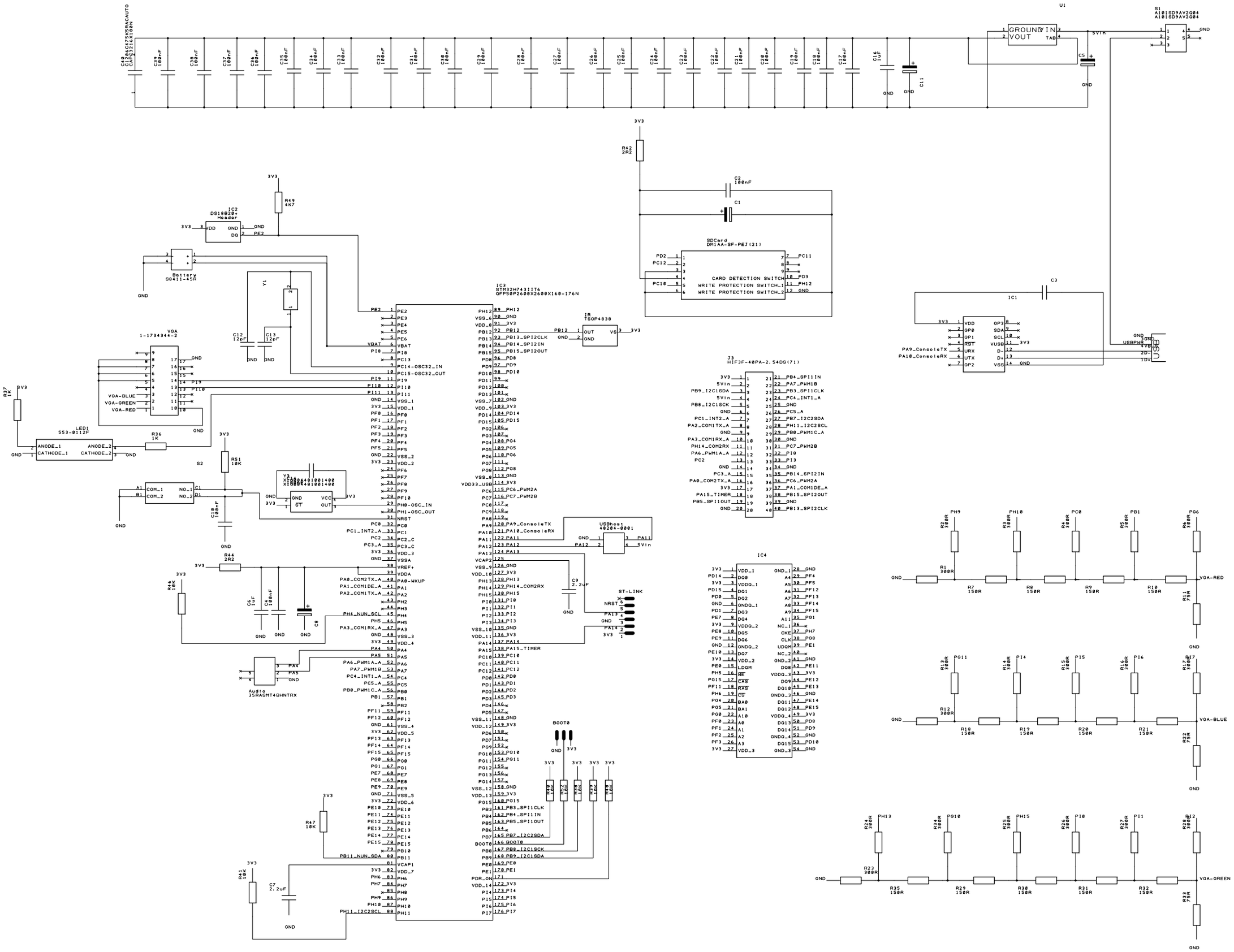
U1
R1
A1815D9AV2Q04
A1815D9AV2Q04
GROUND
VIN
VOUT
TAB
5Vin
GND
C5
C16
1uF
C11
C40
0603C475K5RACAUTO
CAP2012X1X180N
C39 100nF
C38 100nF
C37 100nF
C36 100nF
C35 100nF
C34 100nF
C33 100nF
C32 100nF
C31 100nF
C30 100nF
C29 100nF
C28 100nF
C27 100nF
C26 100nF
C25 100nF
C24 100nF
C23 100nF
C22 100nF
C21 100nF
C20 100nF
C19 100nF
C18 100nF
C17 100nF
R42
2R2
3V3
C2
100nF
C1
SDCard
DM1AA-SF-PEJ(21)
PD2
PC12
PC10
PC11
PD3
PH12
GND
CARD DETECTION SWITCH
WRITE PROTECTION SWITCH_1
WRITE PROTECTION SWITCH_2
C3
IC1
VDD
GP0
GP1
RST
VUSB
D-
D+
VSS
GP3
SDA
SCL
VUSB
URX
UTX
GP2
PA9_ConsoleTX
PA10_ConsoleRX
USBPWR
USB
2D-
1D+
R49
4K7
IC2
DS18B20+
Header
VDD
GND
DQ
PE2
Battery
S8411-45R
Y1
C12
12pF
C13
12pF
IC3
STM32H743IIT6
QFP50P2600X2600X160-176N
PE2
PE3
PE4
PE5
PE6
VBAT
PI8
PC13
PC14-OSC32_IN
PC15-OSC32_OUT
PI9
PI10
PI11
VSS_1
VDD_1
PF0
PF1
PF2
PF3
PF4
PF5
VSS_2
VDD_2
PF6
PF7
PF8
PF9
PF10
PH0-OSC_IN
PH1-OSC_OUT
NRST
PC0
PC1
PC2_C
PC3_C
VDD_3
VSSA
VREF+
VDDA
PA0-WKUP
PA1
PA2
PH2
PH3
PH4
PH5
PA3
VSS_3
VDD_4
PA4
PA5
PA6
PA7
PC4
PC5
PB0
PB1
PB2
PF11
PF12
VSS_4
VDD_5
PF13
PF14
PF15
PG0
PG1
PE7
PE8
PE9
VSS_5
VDD_6
PE10
PE11
PE12
PE13
PE14
PE15
PB10
PB11
VCAP1
VDD_7
PH6
PH7
PH8
PH9
PH10
PH11_I2C2SCL
PH12
VSS_6
VDD_8
PB12
PB13_SPI2CLK
PB14_SPI2IN
PB15_SPI2OUT
PD8
PD9
PD10
PD11
PD12
PD13
VSS_7
VDD_9
PD14
PD15
PG2
PG3
PG4
PG5
PG6
PG7
PG8
VSS_8
VDD33_USB
PC6_PWM2A
PC7_PWM2B
PC8
PC9
PA8
PA9_ConsoleTX
PA10_ConsoleRX
PA11
PA12
PA13
VCAP2
VSS_9
VDD_10
PH13
PH14_COM2RX
PH15
PI0
PI1
PI2
PI3
VSS_10
VDD_11
PA14
PA15_TIMER
PC10
PC11
PC12
PD0
PD1
PD2
PD3
PD4
PD5
VSS_11
VDD_12
PD6
PD7
PG9
PG10
PG11
PG12
PG13
PG14
VSS_12
VDD_13
PG15
PB3
PB4
PB5
PB6
PB7
BOOT0
PB8
PB9
PE0
PE1
PDR_ON
VDD_14
PI4
PI5
PI6
PI7
IR
TSOP4838
OUT
GND
VS
3V3
VGA
1-1734344-2
VGA-BLUE
VGA-GREEN
VGA-RED
LED1
553-0112F
ANODE_1
CATHODE_1
ANODE_2
CATHODE_2
R37
1K
R36
1K
S2
R51
10K
C10
100nF
V2
X1808648001400
X1808648001400
GND
VCC
ST
OUT
C6
4u7
C4
100nF
C8
R44
2R2
R46
10K
Audio
35RASMT4BHNTRX
PA4
PA5
GND
R47
10K
R41
10K
C7
2.2uF
J3
HIF3F-40PA-2.54DS(71)
3V3
5Vin
PB9_I2C1SDA
PB8_I2C1SCK
GND
PC1_INT2_A
PA2_COM1TX_A
PA3_COM1RX_A
PH14_COM2RX
PA6_PWM1A_A
PC2
PA8_COM2TX_A
PA15_TIMER
PB5_SPI1OUT
PB4_SPI1CLK
PB3_SPI1CLK
PA4
PA5
PA6
PA7
PB13_SPI2CLK
PB12
PB11
PB10
PB2
PB1
PB0
PC5_A
PC4_INT1_A
PA7_PWM1B
PB6_SPI1IN
PB7_I2C2SDA
PH11_I2C2SCL
PB0_PWM1C_A
PC7_PWM2B
PA1_COM1DE_A
PB15_SPI2OUT
PB14_SPI2IN
PC6_PWM2A
PA9_ConsoleTX
PA10_ConsoleRX
PA11
PA12
5Vin
USBhost
48204-0001
ST-LINK
NRST
PA13
PA14
IC4
VDD_1
DQ0
VDDQ_1
DQ1
DQ2
GNDQ_1
DQ3
DQ4
VDDQ_2
DQ5
DQ6
GNDQ_2
DQ7
VDD_2
LDQM
WE
CAS
RAS
CS
BA0
BA1
A10
A0
A1
A2
A3
VDD_3
GND_1
DQ8
VDDQ_3
DQ9
DQ10
GNDQ_3
DQ11
DQ12
VDDQ_4
DQ13
DQ14
GNDQ_4
DQ15
GND_3
PH9
PH10
PC0
PB1
PG6
PG11
PI4
PI5
PI6
PI7
PH13
PG10
PH15
PI0
PI1
PI2
R1 300R
R2 300R
R3 300R
R4 300R
R5 300R
R6 300R
R7 150R
R8 150R
R9 150R
R10 150R
R11 75R
R12 300R
R13 300R
R14 300R
R15 300R
R16 300R
R17 300R
R18 150R
R19 150R
R20 150R
R21 150R
R22 75R
R23 300R
R24 300R
R25 300R
R26 300R
R27 300R
R28 300R
R35 150R
R29 150R
R30 150R
R31 150R
R32 150R
R33 75R
VGA-RED
VGA-BLUE
VGA-GREEN
BOOT0
R52 10K
R53 10K
R38 10K
R39 10K
R40 10K