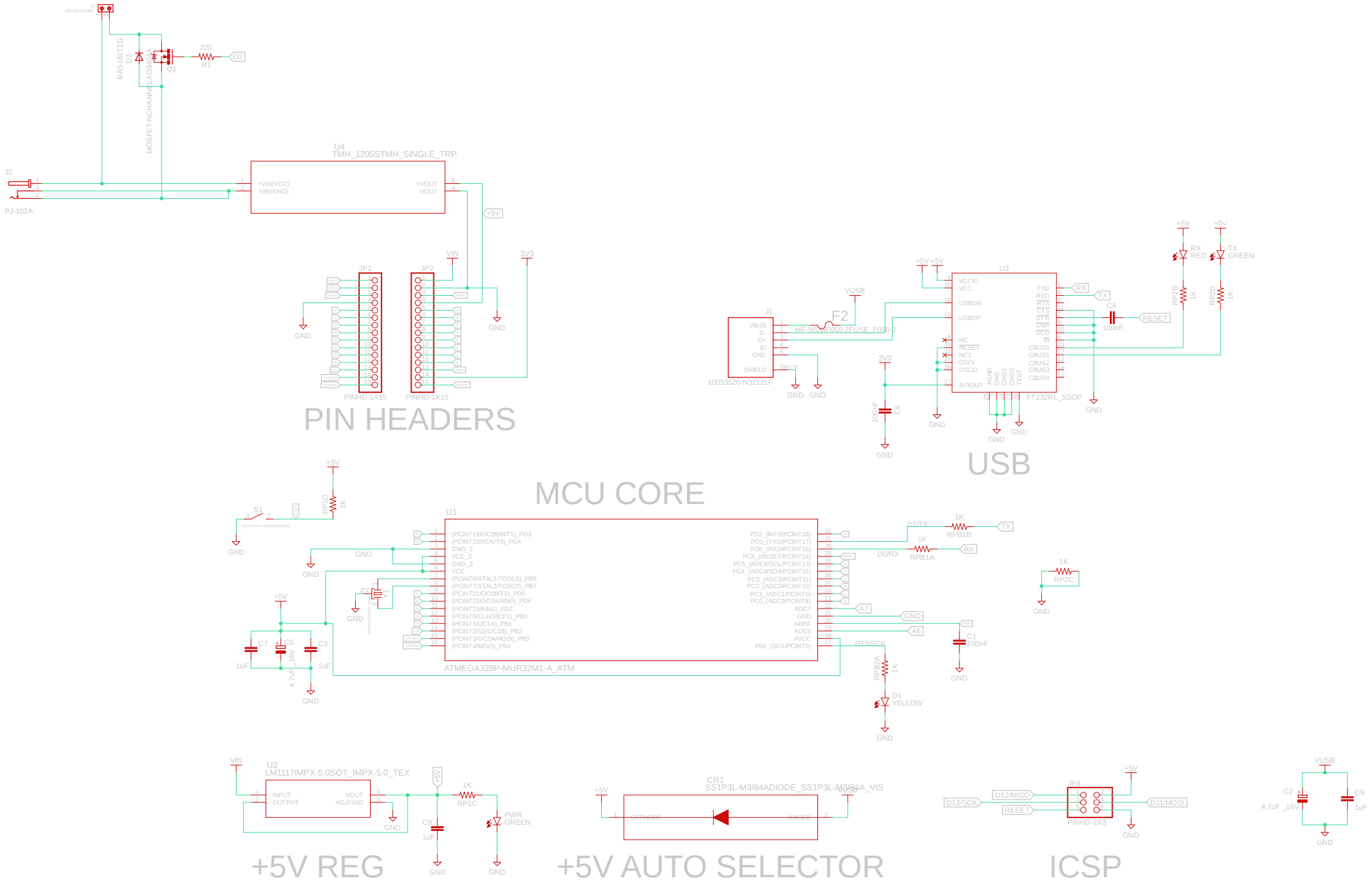
J3
691101710002
BAS16LT1G
D2
MOSFET-NCHANNELAO3400A
Q1
220
R1
D2
J2
PJ-102A
U4
TMH_1205STMH_SINGLE_TRP
+VIN(VCC)
-VIN(GND)
+VOUT
-VOUT
+5V
VIN
3V3
JP1
JP2
PINHD-1X15
PINHD-1X15
GND
PIN HEADERS
J1
10033526-N3212LF
VBUS
D-
D+
ID
GND
SHIELD
VUSB
F2
MF-MSMF050-2FUSE_F050-2
U3
VCCIO
VCC
USBDM
USBDP
NC
RESET
NC1
OSCI
OSCO
3V3OUT
TXD
RXD
RTS
CTS
DTR
DSR
DCD
RI
CBUS0
CBUS1
CBUS2
CBUS3
CBUS4
AGND
GND
GND1
GND2
TEST
FT232RL_SSOP
RX
TX
C4
100nF
RESET
RX
RED
TX
GREEN
RP7B
1K
RP7D
1K
C5
100nF
USB
MCU CORE
S1
RP1D
1K
U1
(PCINT19/OC2B/INT1)_PD3
(PCINT20/XCK/T0)_PD4
GND_2
VCC_2
GND_3
VCC
(PCINT6/XTAL1/TOSC1)_PB6
(PCINT7/XTAL2/TOSC2)_PB7
(PCINT21/OC0B/T1)_PD5
(PCINT22/OC0A/AIN0)_PD6
(PCINT23/AIN1)_PD7
(PCINT0/CLKO/ICP1)_PB0
(PCINT1/OC1A)_PB1
(PCINT2/SS/OC1B)_PB2
(PCINT3/OC2A/MOSI)_PB3
(PCINT4/MISO)_PB4
PD2_(INT0/PCINT18)
PD1_(TXD/PCINT17)
PD0_(RXD/PCINT16)
PC6_(RESET/PCINT14)
PC5_(ADC5/SCL/PCINT13)
PC4_(ADC4/SDA/PCINT12)
PC3_(ADC3/PCINT11)
PC2_(ADC2/PCINT10)
PC1_(ADC1/PCINT9)
PC0_(ADC0/PCINT8)
ADC7
GND
AREF
ADC6
AVCC
PB5_(SCK/PCINT5)
ATMEGA328P-MUR32M1-A_ATM
D1/TX
D0/RX
RPB1B
RPB1A
RP2C
C1
100nF
RPB2A
D1
YELLOW
C7
C5
C3
1uF
4.7uF_16V
1uF
U2
LM1117IMPX-5.0SOT_IMPX-5.0_TEX
INPUT
OUTPUT
VOUT
ADJ/GND
RP1C
PWR
GREEN
C8
1uF
+5V REG
CR1
SS1P3L-M3/84ADIODE_SS1P3L-M3/84A_VIS
CATHODE
ANODE
+5V AUTO SELECTOR
JP4
PINHD-2X3
D12/MISO
D13/SCK
RESET
D11/MOSI
ICSP
C2
4.7uF_16V
C9
1uF