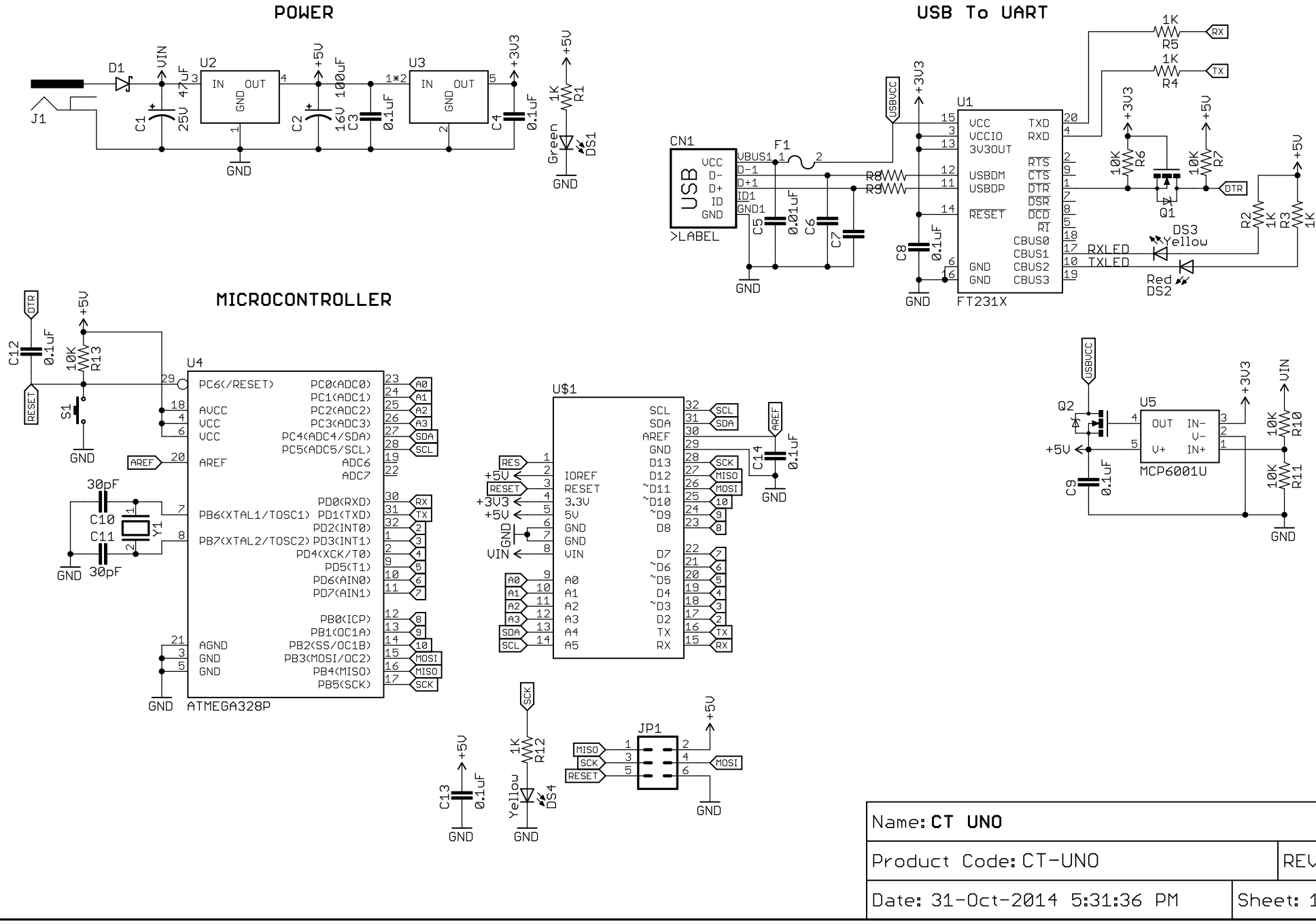
POWER
D1
VIN
J1
C1
47uF
25V
U2
IN
OUT
GND
+5V
C2
100uF
16V
C3
0.1uF
1*2
U3
+3V3
C4
0.1uF
1K
R1
Green
DS1
GND
USB To UART
CN1
USB
VCC
D-
D+
ID
GND
>LABEL
VBUS1
D-1
D+1
ID1
GND1
F1
C5
0.01uF
C6
C7
USBVCC
U1
VCC
VCCIO
3V3OUT
USBDM
USBDP
RESET
GND
GND
TXD
RXD
RTS
CTS
DTR
DSR
DCD
RI
CBUS0
CBUS1
CBUS2
CBUS3
FT231X
C8
0.1uF
R8
R9
1K
R5
RX
1K
R4
TX
10K
R6
10K
R7
Q1
DTR
DS3
Yellow
RXLED
TXLED
Red
DS2
R2
1K
R3
1K
MICROCONTROLLER
C12
0.1uF
DTR
RESET
10K
R13
S1
U4
PC6(/RESET)
AVCC
VCC
VCC
AREF
AGND
GND
GND
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
ATMEGA328P
30pF
C10
C11
30pF
Y1
U$1
IOREF
RESET
3.3V
5V
GND
GND
VIN
A0
A1
A2
A3
A4
A5
SCL
SDA
AREF
D13
D12
~D11
~D10
~D9
D8
D7
~D6
~D5
D4
~D3
D2
TX
RX
C14
0.1uF
JP1
MISO
SCK
RESET
MOSI
C13
0.1uF
1K
R12
Yellow
DS4
Q2
U5
OUT
IN-
V-
V+
IN+
MCP6001U
C9
0.1uF
10K
R10
10K
R11
Name: CT UNO
Product Code: CT-UNO
REV: 1.0
Date: 31-Oct-2014 5:31:36 PM
Sheet: 1/1