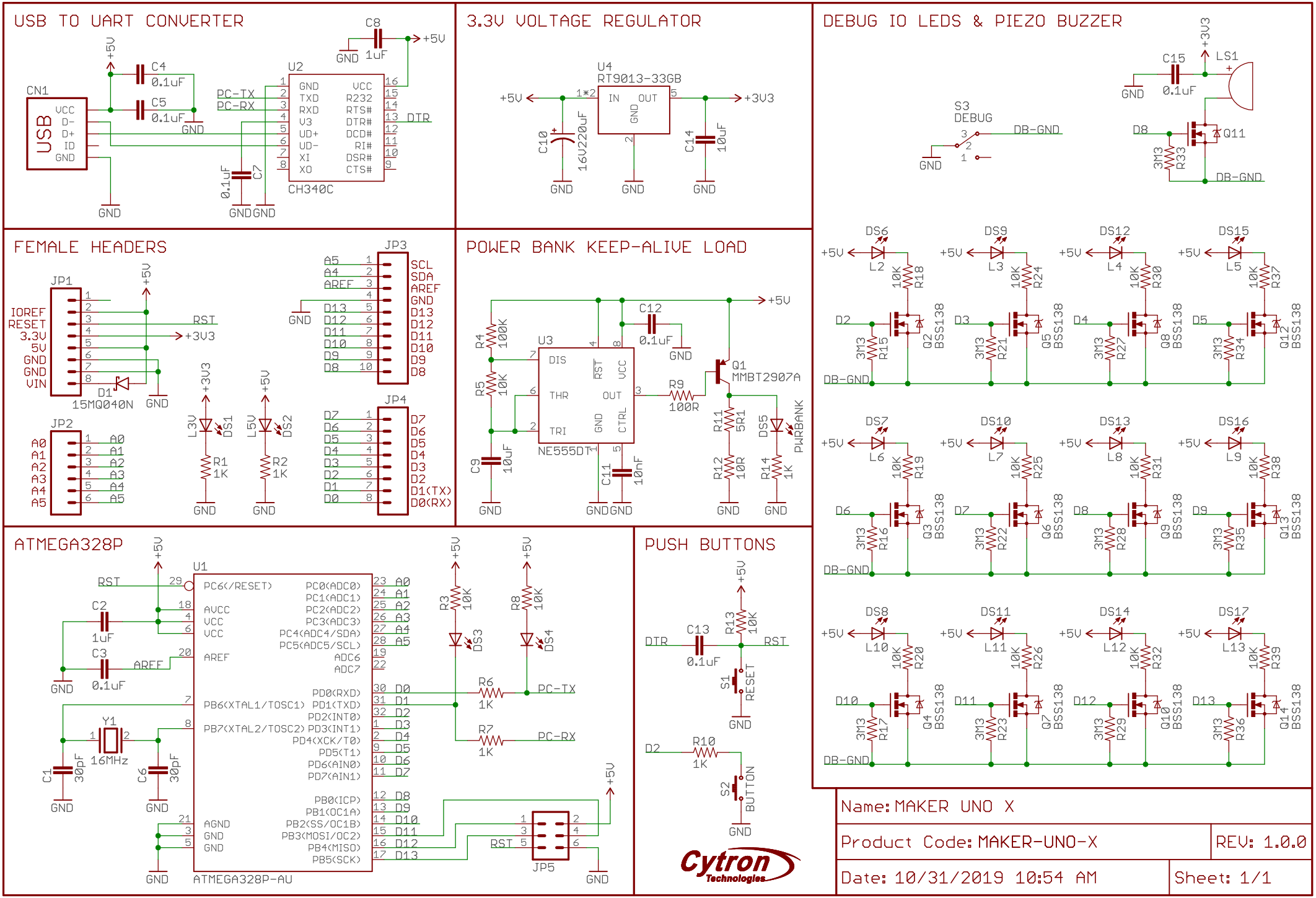
USB TO UART CONVERTER
CN1
USB
VCC
D-
D+
ID
GND
C4
0.1uF
C5
0.1uF
C7
0.1uF
C8
1uF
+5V
GND
PC-TX
PC-RX
U2
CH340C
GND
TXD
RXD
V3
UD+
UD-
XI
XO
VCC
R232
RTS#
DTR#
DCD#
RI#
DSR#
CTS#
DIR
3.3V VOLTAGE REGULATOR
U4
RT9013-33GB
IN
OUT
+3V3
C10
16V220uF
C14
10uF
FEMALE HEADERS
JP1
IOREF
RESET
3.3V
5V
GND
GND
VIN
RST
D1
15MQ040N
JP2
A0
A1
A2
A3
A4
A5
L3V
L5V
DS1
DS2
R1
1K
R2
1K
JP3
SCL
SDA
AREF
D13
D12
D11
D10
D9
D8
JP4
D7
D6
D5
D4
D3
D2
D1(TX)
D0(RX)
POWER BANK KEEP-ALIVE LOAD
U3
NE555D
DIS
THR
TRI
RST
VCC
OUT
GND
CTRL
R4
100K
R5
10K
C9
10uF
C12
0.1uF
C11
10nF
R9
100R
Q1
MMBT2907A
R11
5R1
R12
10R
R14
1K
D5
PWRBANK
DEBUG IO LEDS & PIEZO BUZZER
S3
DEBUG
DB-GND
C15
0.1uF
LS1
D8
Q11
3M3
R33
DS6
DS9
DS12
DS15
DS7
DS10
DS13
DS16
DS8
DS11
DS14
DS17
10K
BSS138
ATMEGA328P
U1
ATMEGA328P-AU
RST
C2
1uF
C3
0.1uF
AREF
Y1
16MHz
C1
30pF
C6
30pF
R3
10K
R8
10K
DS3
DS4
R6
1K
R7
1K
PC-TX
PC-RX
JP5
PUSH BUTTONS
C13
0.1uF
R13
10K
S1
RESET
R10
1K
S2
BUTTON
Cytron
Technologies
Name: MAKER UNO X
Product Code: MAKER-UNO-X
REV: 1.0.0
Date: 10/31/2019 10:54 AM
Sheet: 1/1