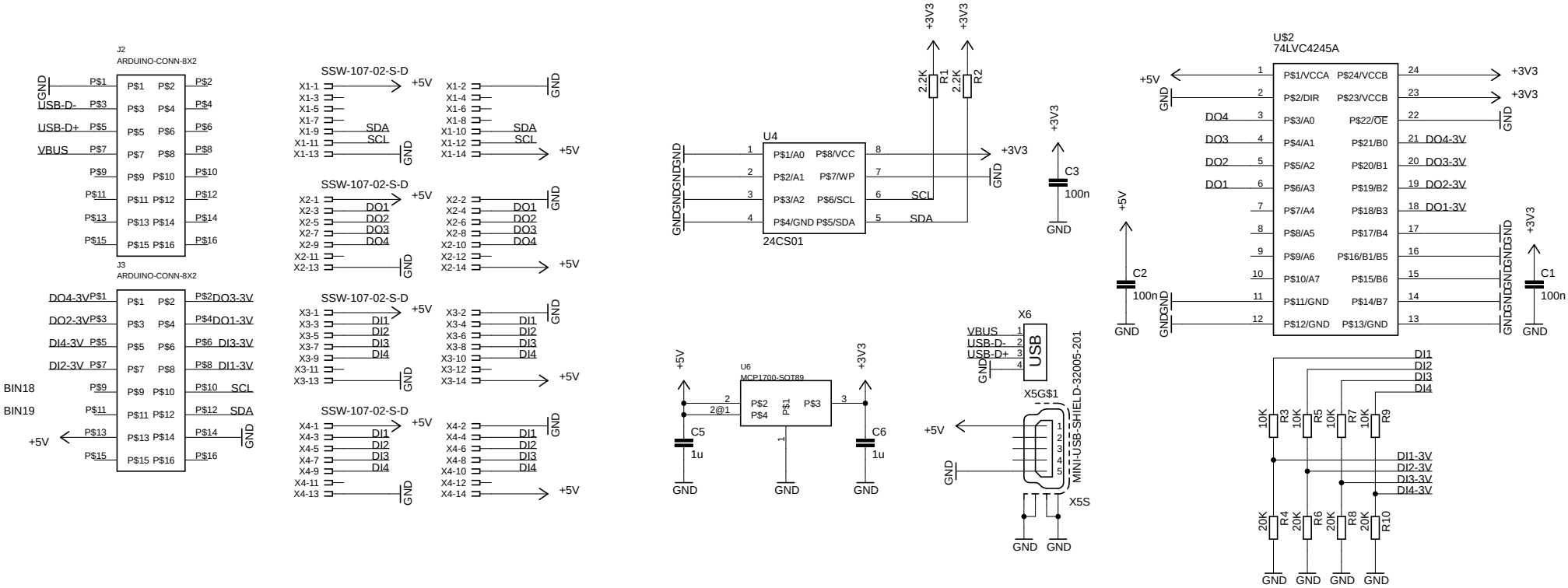
J2
ARDUINO-CONN-8X2
GND
USB-D-
USB-D+
VBUS
P$1 P$2 P$3 P$4 P$5 P$6 P$7 P$8 P$9 P$10 P$11 P$12 P$13 P$14 P$15 P$16
J3
ARDUINO-CONN-8X2
DO4-3V
DO2-3V
DI4-3V
DI2-3V
BIN18
BIN19
+5V
DO3-3V
DO1-3V
DI3-3V
DI1-3V
SCL
SDA
SSW-107-02-S-D
X1-1 X1-3 X1-5 X1-7 X1-9 X1-11 X1-13
X1-2 X1-4 X1-6 X1-8 X1-10 X1-12 X1-14
X2-1 X2-3 X2-5 X2-7 X2-9 X2-11 X2-13
X2-2 X2-4 X2-6 X2-8 X2-10 X2-12 X2-14
DO1 DO2 DO3 DO4
X3-1 X3-3 X3-5 X3-7 X3-9 X3-11 X3-13
X3-2 X3-4 X3-6 X3-8 X3-10 X3-12 X3-14
DI1 DI2 DI3 DI4
X4-1 X4-3 X4-5 X4-7 X4-9 X4-11 X4-13
X4-2 X4-4 X4-6 X4-8 X4-10 X4-12 X4-14
U4
P$1/A0 P$8/VCC
P$2/A1 P$7/WP
P$3/A2 P$6/SCL
P$4/GND P$5/SDA
24CS01
2.2K R1
2.2K R2
+3V3
C3
100n
U6
MCP1700-SOT89
P$2 P$4 P$1 P$3
2@1
C5
1u
C6
1u
X6
USB
VBUS
USB-D-
USB-D+
X5G$1
MINI-USB-SHIELD-32005-201
X5S
U$2
74LVC4245A
P$1/VCCA P$24/VCCB
P$2/DIR P$23/VCCB
P$3/A0 P$22/OE
P$4/A1 P$21/B0
P$5/A2 P$20/B1
P$6/A3 P$19/B2
P$7/A4 P$18/B3
P$8/A5 P$17/B4
P$9/A6 P$16/B5
P$10/A7 P$15/B6
P$11/GND P$14/B7
P$12/GND P$13/GND
DO4 DO3 DO2 DO1
DO4-3V DO3-3V DO2-3V DO1-3V
C2
100n
C1
100n
DI1 DI2 DI3 DI4
10K R3 10K R5 10K R7 10K R9
DI1-3V DI2-3V DI3-3V DI4-3V
20K R4 20K R6 20K R8 20K R10