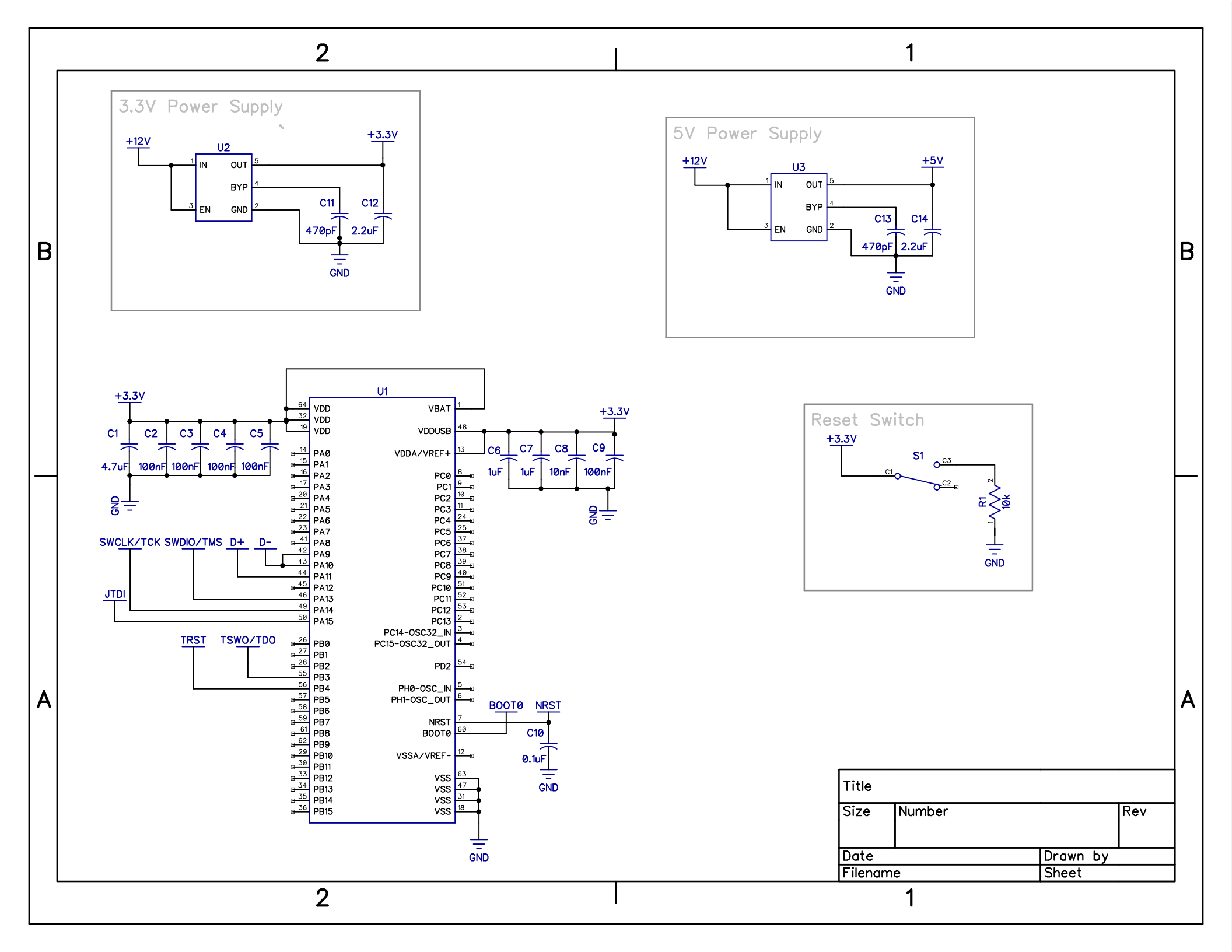
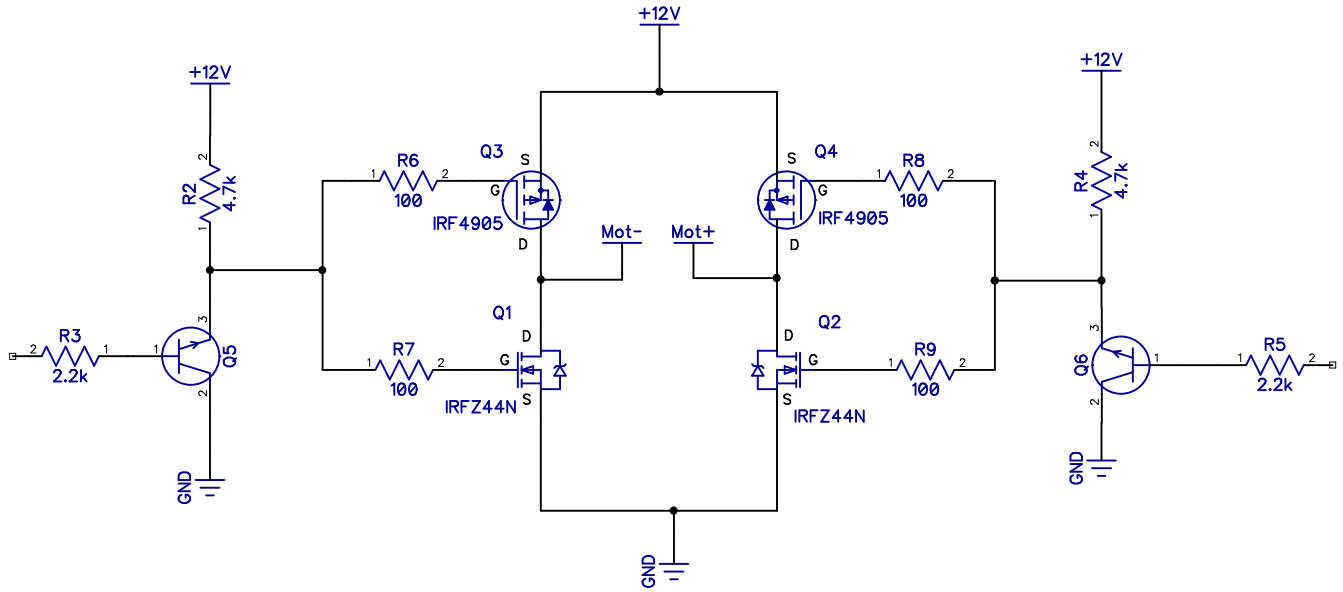

3.3V Power Supply
+12V
U2
IN
OUT
BYP
EN
GND
+3.3V
C11
C12
470pF
2.2uF
GND
5V Power Supply
+12V
U3
IN
OUT
BYP
EN
GND
+5V
C13
C14
470pF
2.2uF
GND
Reset Switch
+3.3V
S1
C1
C2
C3
R1
10k
GND
U1
VDD
VDD
VDD
VBAT
VDDUSB
VDDA/VREF+
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC10
PC11
PC12
PC13
PC14-OSC32_IN
PC15-OSC32_OUT
PD2
PH0-OSC_IN
PH1-OSC_OUT
NRST
BOOT0
VSSA/VREF-
VSS
VSS
VSS
VSS
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
+3.3V
C1
C2
C3
C4
C5
4.7uF
100nF
100nF
100nF
100nF
GND
+3.3V
C6
C7
C8
C9
1uF
1uF
10nF
100nF
GND
SWCLK/TCK
SWDIO/TMS
D+
D-
JTDI
TRST
TSWO/TDO
BOOT0
NRST
C10
0.1uF
GND
GND
Title
Size
Number
Rev
Date
Drawn by
Filename
Sheet



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Date		Drawn by
Filename		Sheet

2 1

B B

A A

Title		
Size	Number	Rev
Date		Drawn by
Filename		Sheet

2 1