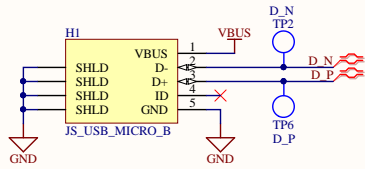
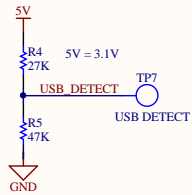


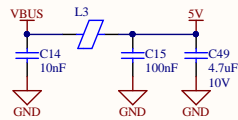
USB



USB Detect



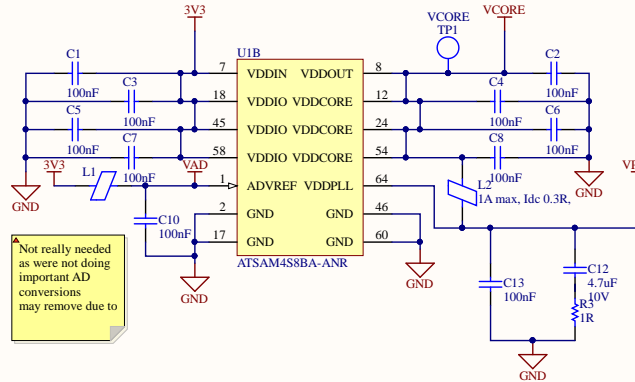
USB Filter



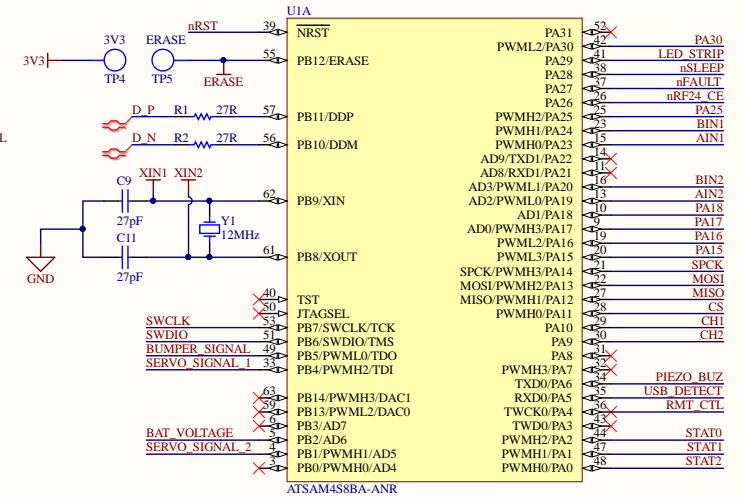
Minimise noise on 5V supply rail when usb is used Probs not needed

[Filter Design Link](#)

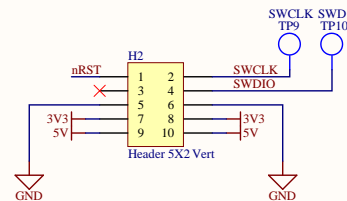
SAM4S Power



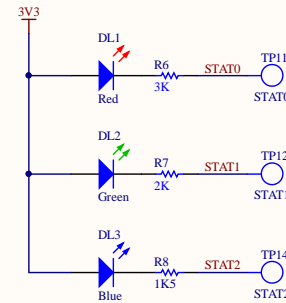
SAM4S



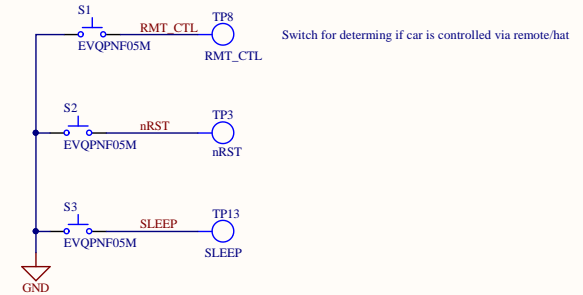
Programming



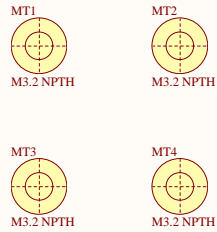
Status LEDs



Switches

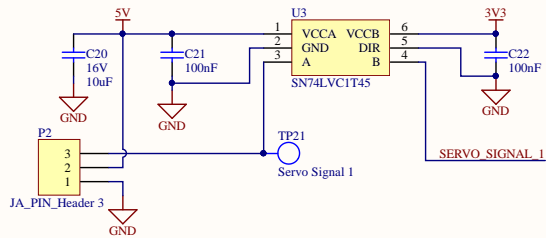


Mounting Holes

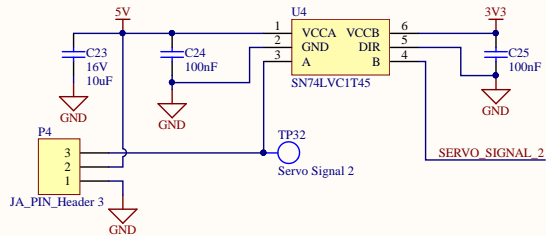


10uF used as a bulk capacitance for the servo and LEDs as they can draw lots of current

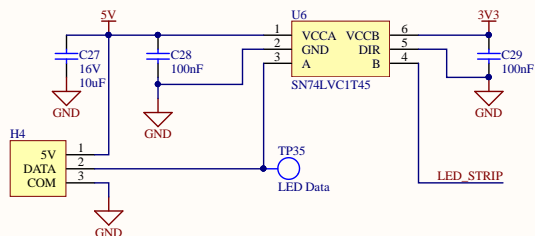
Servo Interface 1



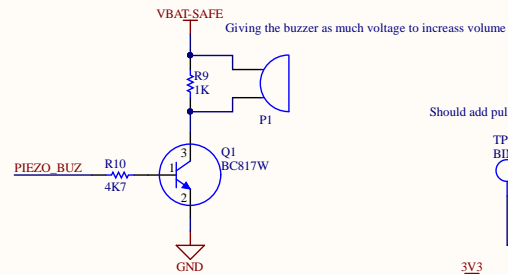
Servo Interface 2



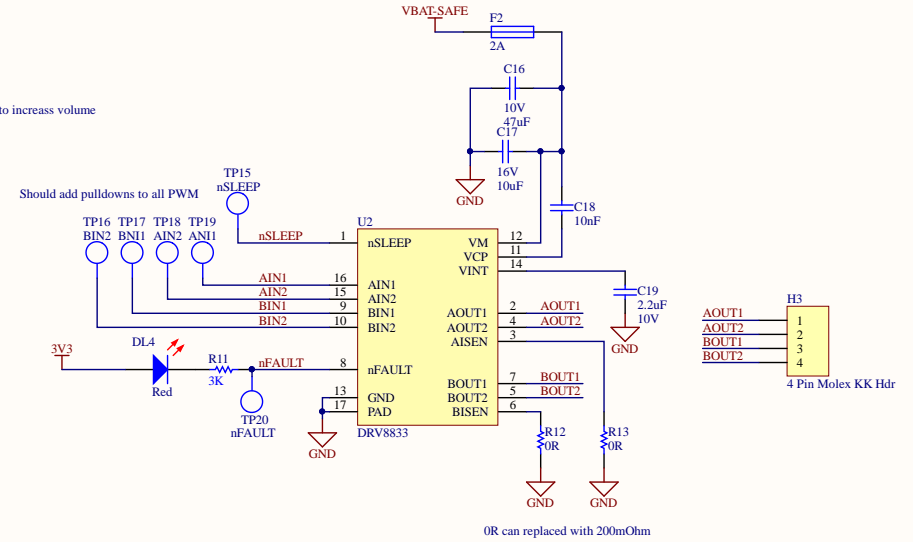
LED Strip Interface



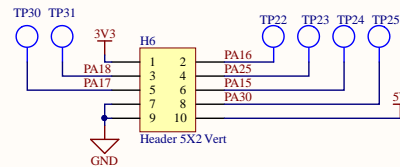
Buzzer



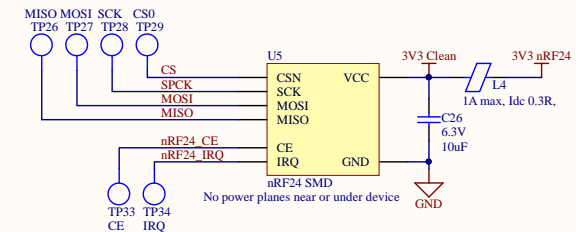
Motor H Bridge



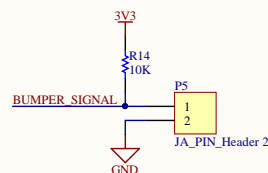
Additional Header pins



nRF24 Module



Bumper switch



RF Channel Select

