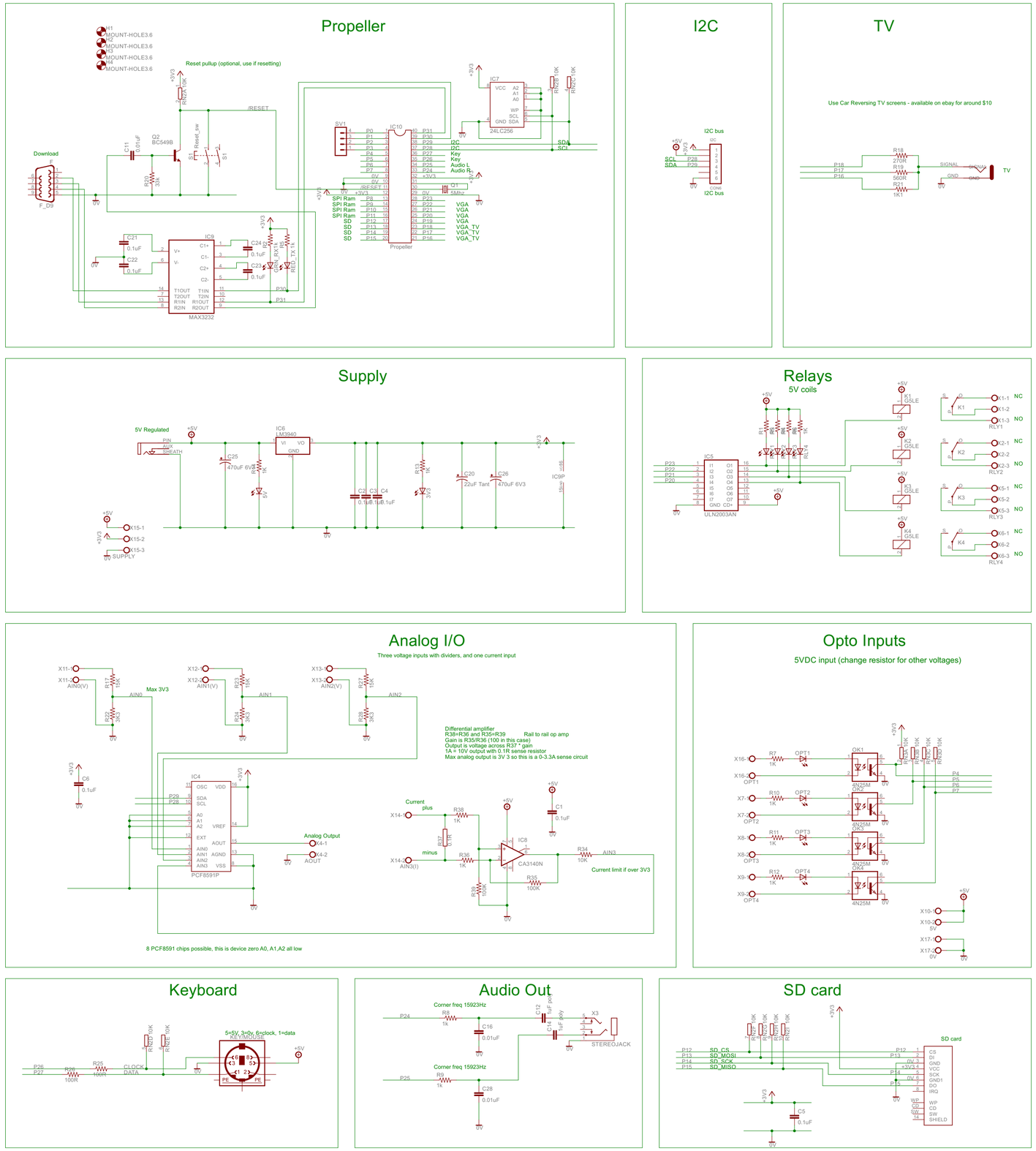
Propeller
Reset pullup (optional, use if resetting)
Download
F_D9
MAX323Z
Propeller
I2C
I2C bus
TV
Use Car Reversing TV screens - available on ebay for around $10
Supply
5V Regulated
Relays
5V coils
ULN2003AN
Analog I/O
Three voltage inputs with dividers, and one current input
Differential amplifier
R38=R36 and R35=R39
Rail to rail op amp
Gain is R35/R36 (100 in this case)
Output is voltage across R37 * gain
1A = 10V output with 0.1R sense resistor
Max analog output is 3V 3 so this is a 0-3.3A sense circuit
Current limit if over 3V3
8 PCF8591 chips possible, this is device zero A0, A1,A2 all low
Opto Inputs
5VDC input (change resistor for other voltages)
Keyboard
5=5V, 3=0v, 6=clock, 1=data
Audio Out
Corner freq 15923Hz
STEREOJACK
SD card