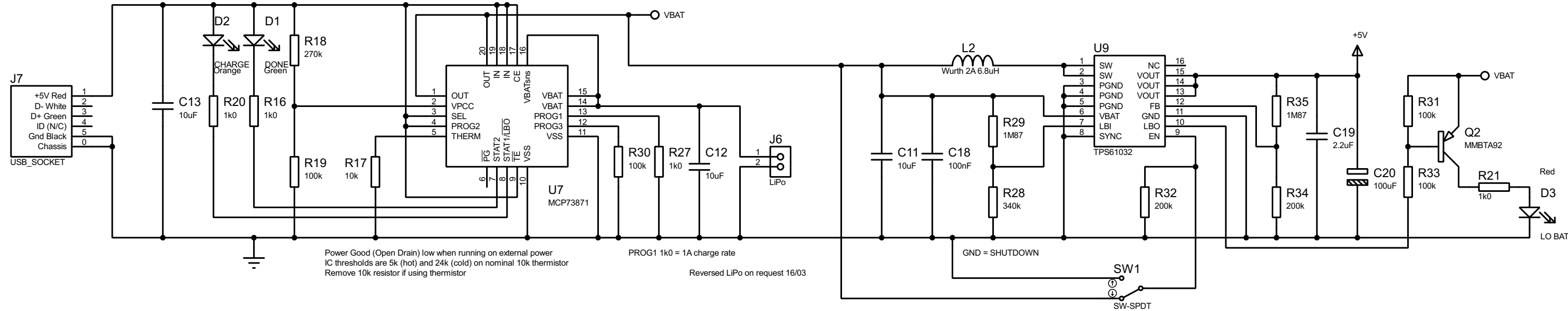
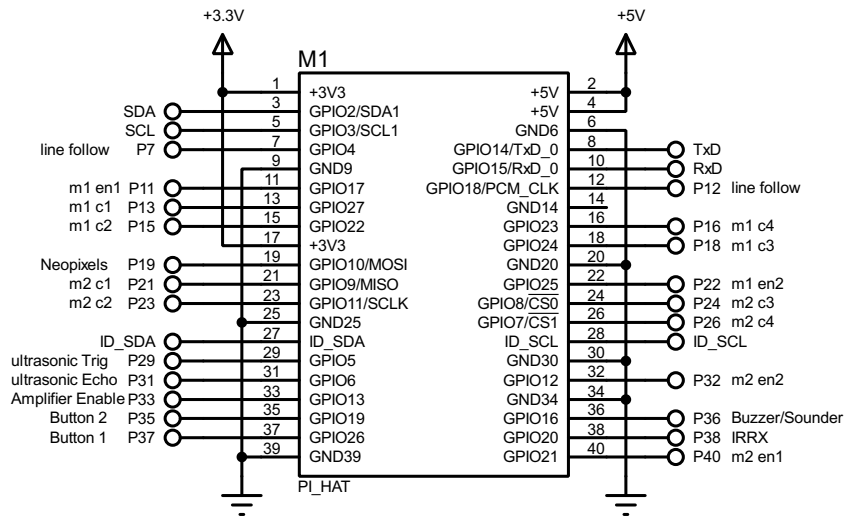


BATTERY CHARGER & BOOST CONVERTER

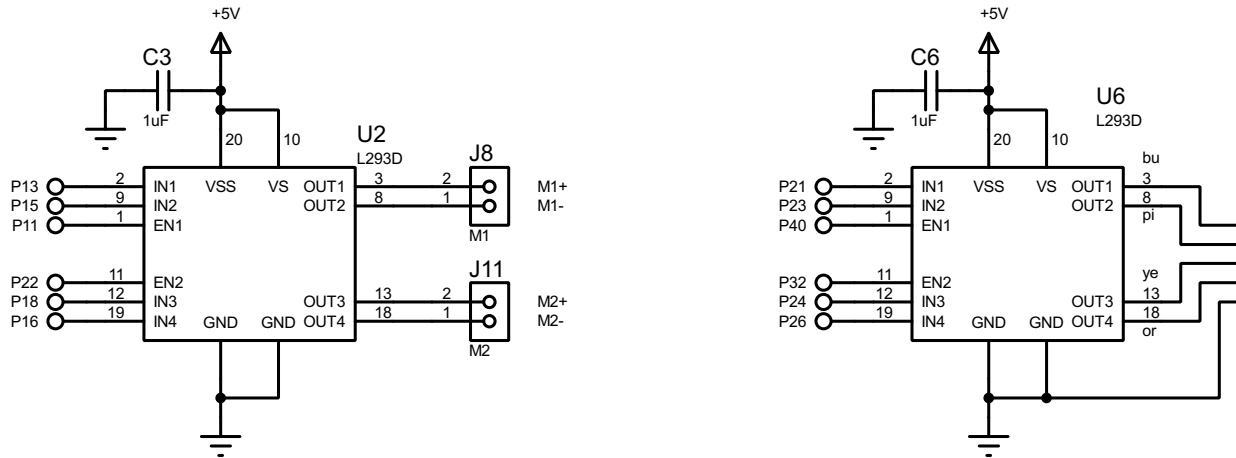


HARWIN M20-7832045 Board-To-Board Connector, 2.54 mm, 40 Contacts, Receptacle, M20 Series, Through Hole, 2 Rows 799-2033
HARWIN M20-6102045 Board-To-Board Connector, PC104, 2.54 mm, 40 Contacts, Receptacle, M20 Series, Through Hole, 2 Rows Stackable 156-9230
On power-up all GPIO are in INPUT mode, GPIO 0-8 have pull-ups to 3V3, GPIO 9-27 have pull-downs to 0V

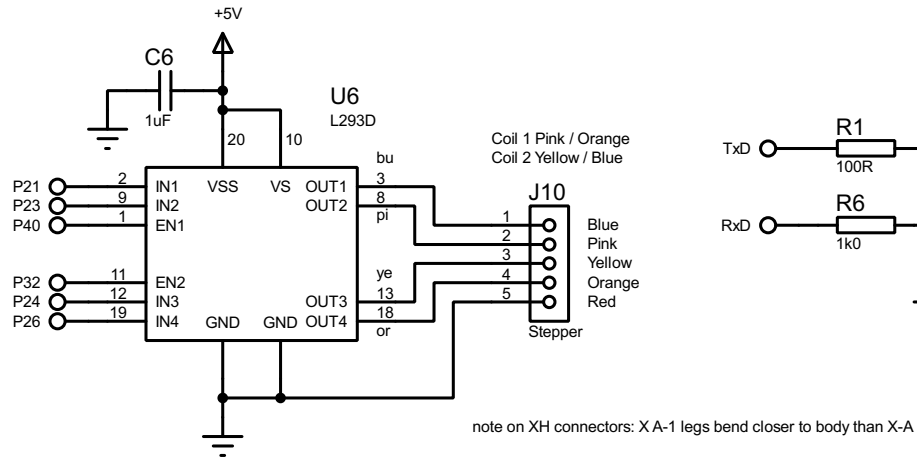
RASPBERRY PI 40-PIN CONNECTOR



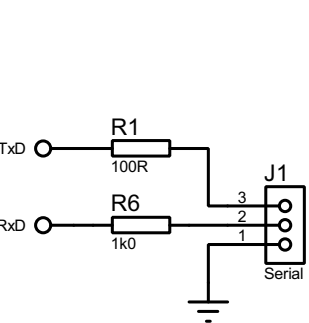
MOTORS/STEPPER



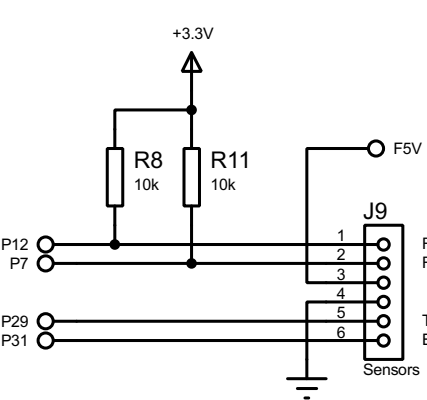
STEPPER OPTION



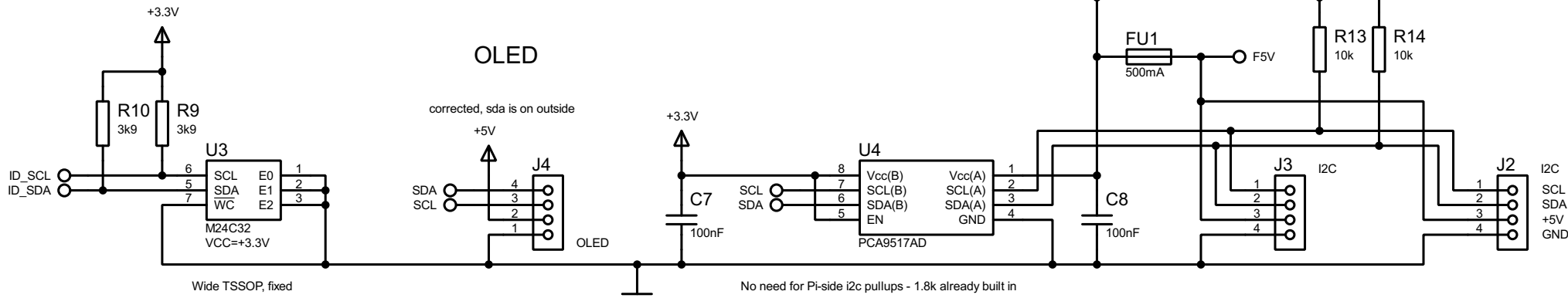
SERIAL PORT



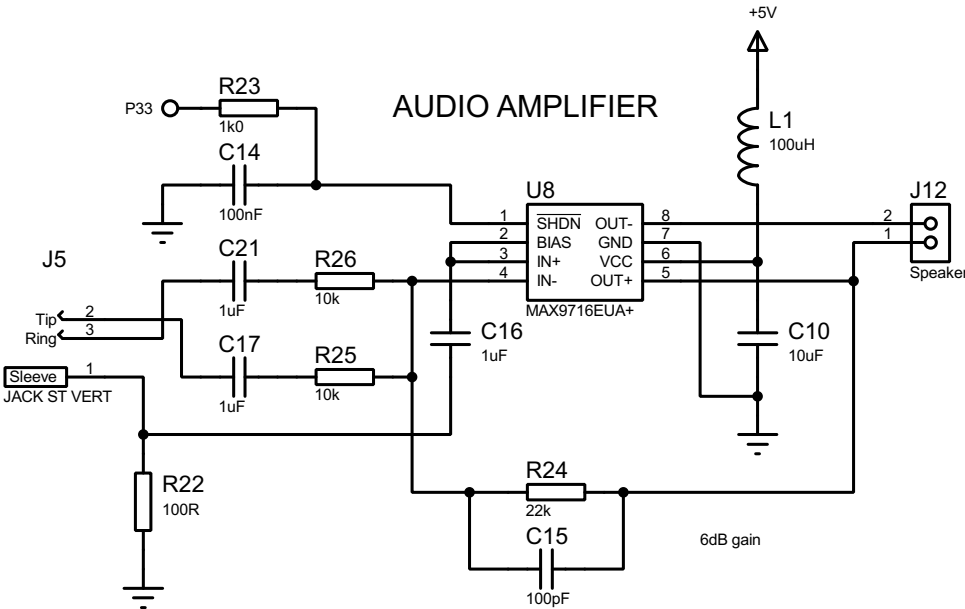
SENSORS CONNECTOR



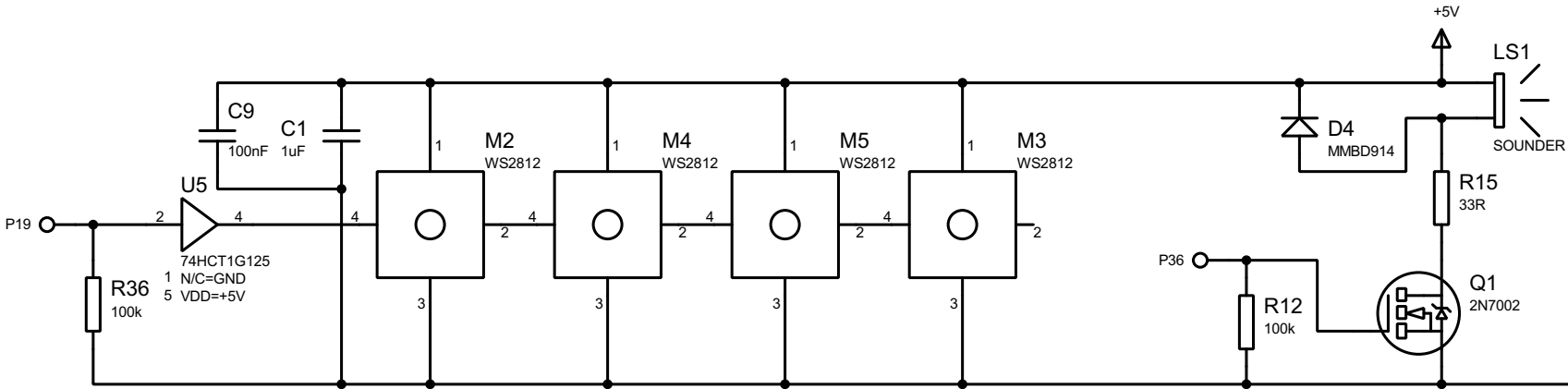
OLED



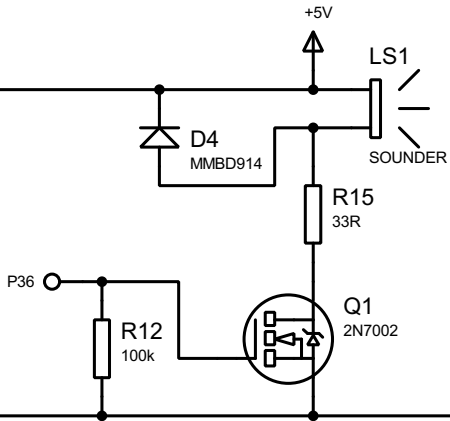
AUDIO AMPLIFIER



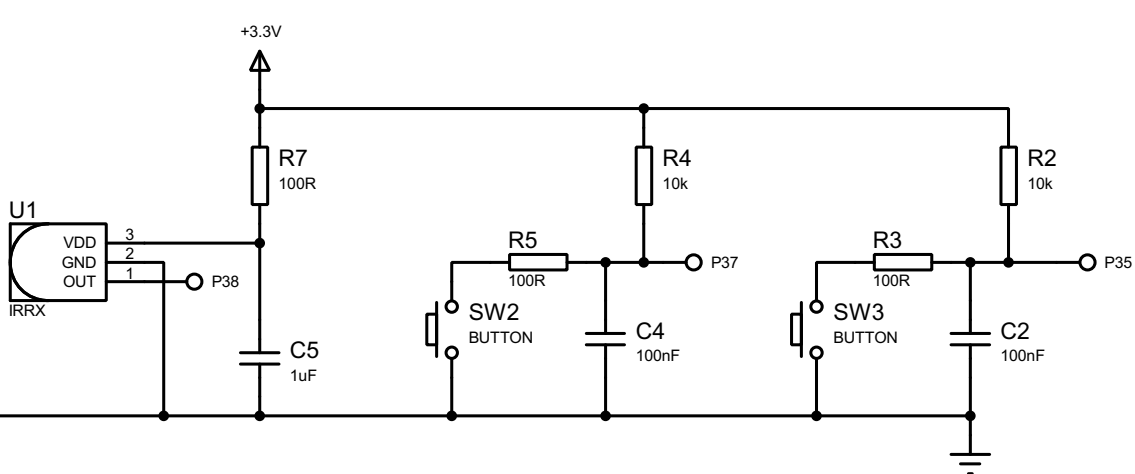
NEOPIXELS



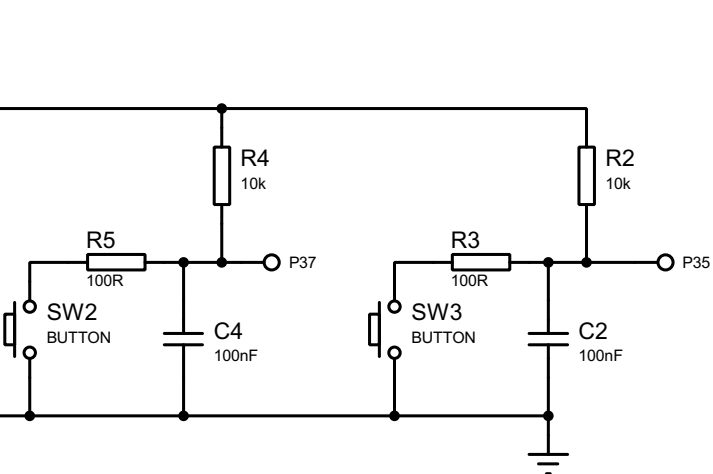
AUDIO SOUNDER



IR RECEIVER



BUTTONS



Use this: 74AHCT1G125W5-7 - Buffer, 74AHCT1G125, 4.5 V to 5.5 V, SOT-25-5 2057392

Swapped pins 19 and 40 for SPI Neopixel drive 16/03

TITLE:		DATE:	
RobotHat v4		17/03/2020	
Full Circuit		PAGE:	
BY: S W Bateson		REV: @REV	
		1/1	