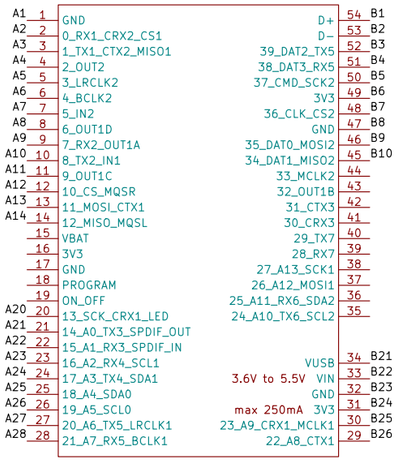
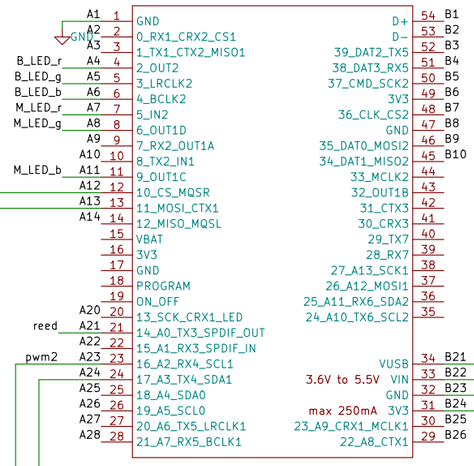
U3



Teensy4.0

U1



Teensy4.0

Teensy4 digital in/outs:

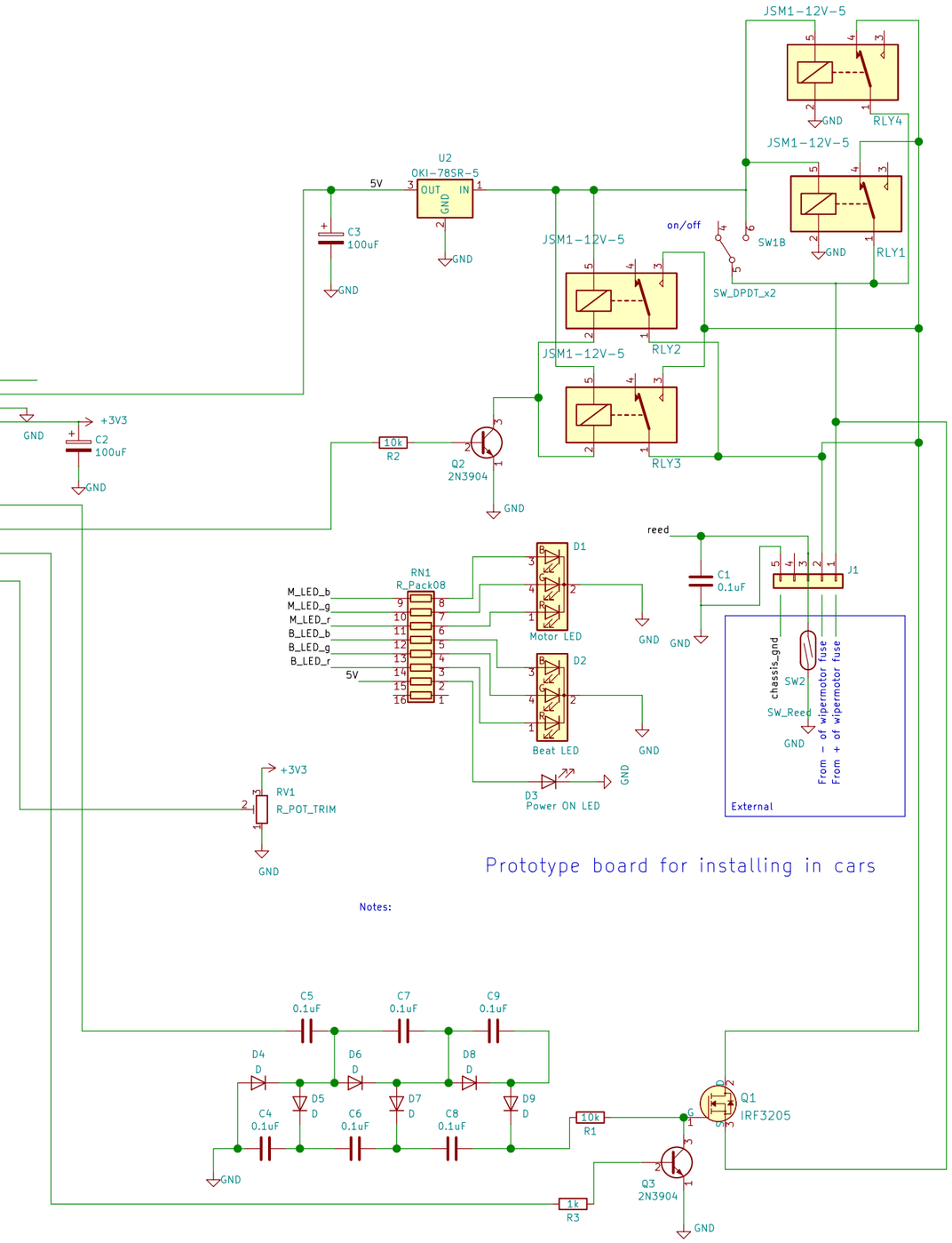
OUT:
relay_on_off =10
PWM1 =
PWM2(30V power) =16
Motor LED B =9
Motor LED G =6
Motor LED R =5
Beat B =4
Beat G =3
Beat R =2

IN:
Reed-switch =14
PotentMeter =17

For I2S programing Xbee BLE:
https://www.tinyosshop.com/audiob-i2s-bluetooth-digital-audio-receiver-module
https://www.tinyosshop.com/index.php?route=information/news&news_id=42

7 - GND
8 - BCK I2S synchronous data clock, It's a 2.304MHz square wave signal.
9 - SD I2S synchronous data output.
10 - LRCK I2S word select, 48KHz. 1 - Left channel data, 0 - Right channel data.
Setting switch: We set to I2S in normal state. Set to SPI when you need programming the module
11 - Vin 3.3V.

Prepare for P-Channel MOSFET version 2



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File: Hyperwiper 2020 production prototype.kicad_sch		
Title: Prototype board		
Size: A3	Date: 2021-08-25	**Rev: V2.5.1**
KiCad E.D.A. kicad 5.99.0-unknown-baab2e6119~131~ubuntu20.04.1		Id: 1/1