

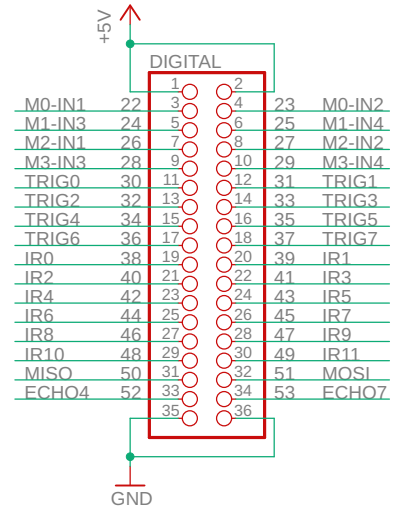
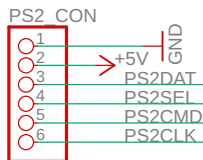
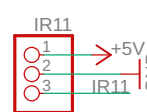
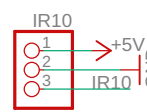
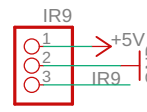
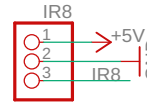
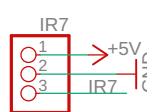
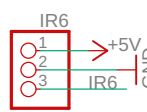
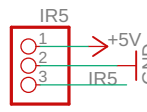
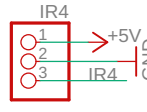
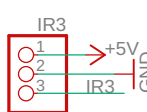
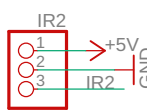
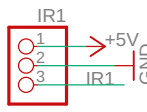
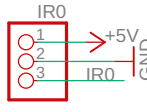
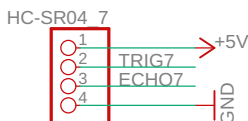
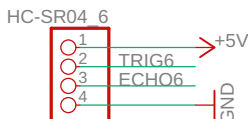
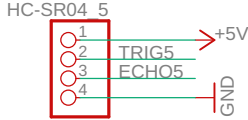
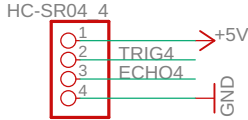
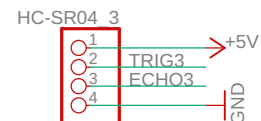
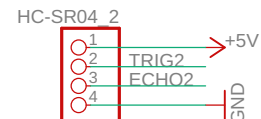
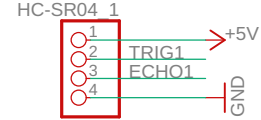
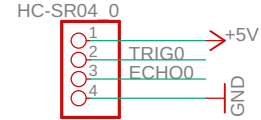
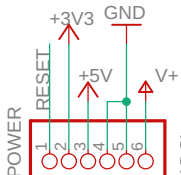
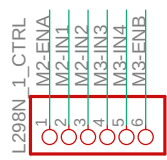
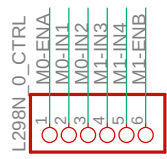
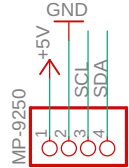
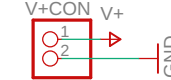
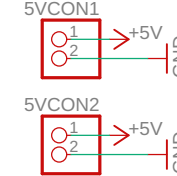
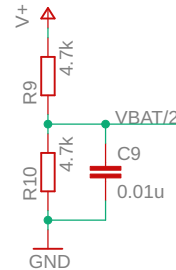
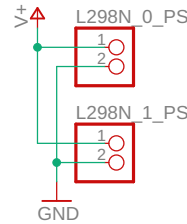
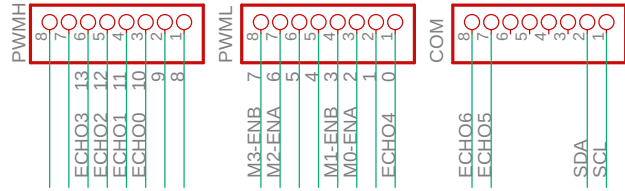
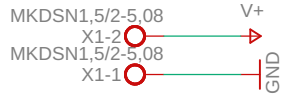
# RoomSeekerShield Schematics

Power Supply 2pin terminal x 1  
IMU I/F 4pin pinhd x 1

Motor&Encoder I/F 6pin pinhd x 4  
L298N Power Supply 2pin pinhd x 2

L298N Motor Drive Output 2pin pinhd x 4  
L298N Drive Signal Output 6pin pinhd x 2

Wireless PS2 controller x 1  
HC-SR04 I/F 4pin pinhd x 8  
IR sensor 3pin pinhd x 12



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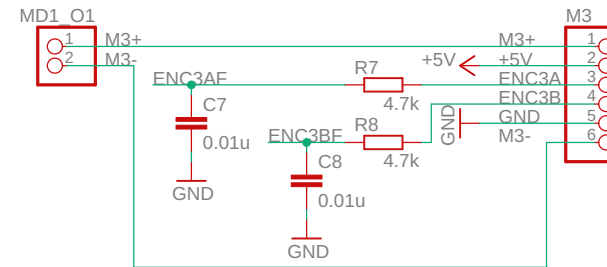
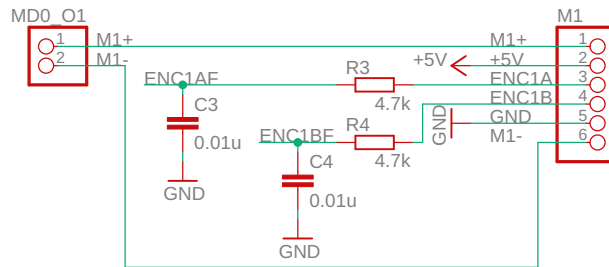
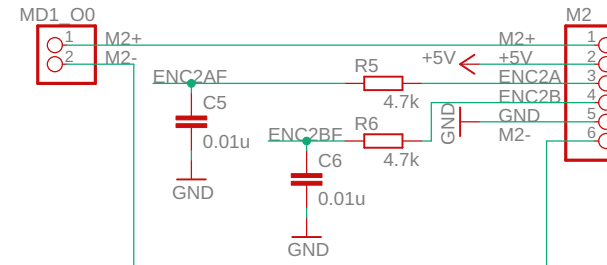
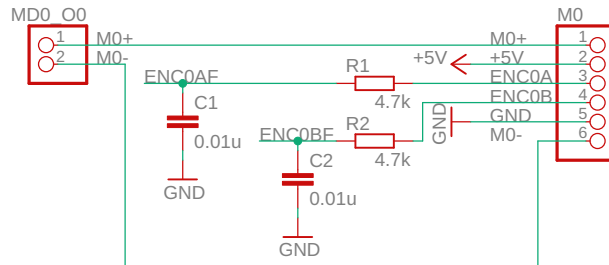
RoomSeekerShield\_rev4

Date: 2021/02/12 22:56

Sheet: 1/2

# RoomSeekerShield Schematics

Low pass filter is applied to reduce encoder noise  
For example, magnetic encoder of GB37-520 motor generates big noise



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Date: 2021/02/12 22:56

Sheet: 2/2