

## Static connections

RPI\_I2C\_SDA\_sense TP99 TP92  
RPI\_I2C\_SCL\_sense TP100 TP93  
RPI\_AMP\_EN\_sense TP101 TP97  
Audio\_PWM\_drive TP105 TP104

SEN3\_IN0 TP108 TP110 SEN3\_SDA  
SEN3\_IN1 TP113 TP111 SEN3\_SCL  
TP112 SEN3\_AIN

SEN2\_IN0 TP117 TP119 SEN2\_SDA  
SEN2\_IN1 TP22 TP120 SEN2\_SCL  
TP121 SEN2\_AIN

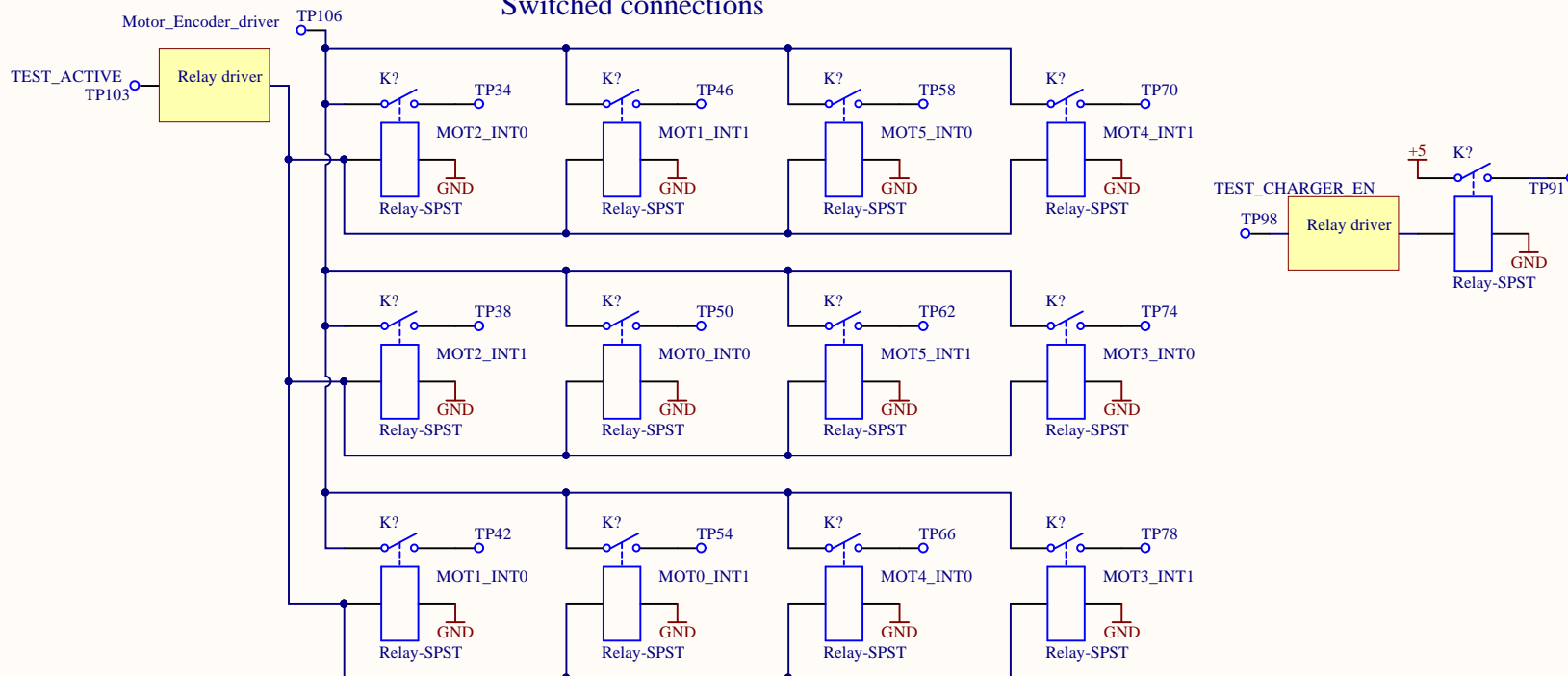
SEN1\_IN0 TP126 TP128 SEN1\_SDA  
SEN1\_IN1 TP131 TP129 SEN1\_SCL  
TP130 SEN1\_AIN

SEN0\_IN0 TP135 TP137 SEN0\_SDA  
SEN0\_IN1 TP140 TP138 SEN0\_SCL  
TP139 SEN0\_AIN

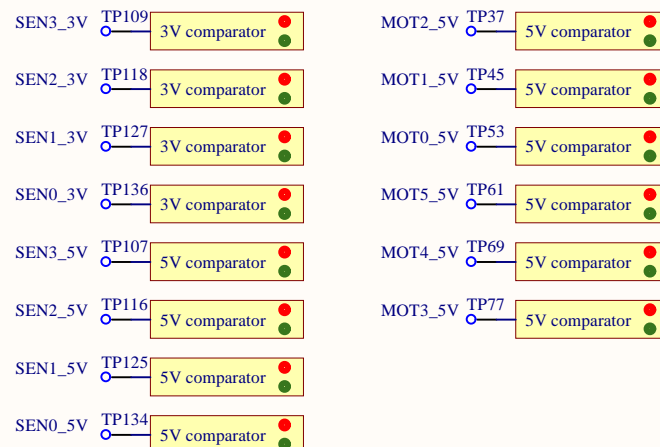
MOT2+ TP36 R? 10R TP40 MOT2-  
MOT1+ TP44 R? 10R TP48 MOT1-  
MOT0+ TP52 R? 10R TP56 MOT0-  
MOT5+ TP60 R? 10R TP64 MOT5-  
MOT4+ TP68 R? 10R TP72 MOT4-  
MOT3+ TP76 R? 10R TP80 MOT3-

+10  
TP83 MOTOR\_POWER

## Switched connections



## Voltage measurements



3V Comparator input	Indication
< 1V	LED OFF
1V < V <sub>in</sub> < 3.2V	●
3.2V < V <sub>in</sub> < 3.4V	●
V <sub>in</sub> > 3.4V	●

5V Comparator input	Indication
< 1V	LED OFF
1V < V <sub>in</sub> < 4.9V	●
4.9V < V <sub>in</sub> < 5.1V	●
V <sub>in</sub> > 5.1V	●

Title		
Size	Number	Revision
A4		
Date:	2019. 08. 05.	Sheet of
File:	C:\_RevolutionRobotics\...\MainBoard_SchDrawn By:	