CAM_BUTTON_SWITCH
GPIO14
C1
100nF
R1 10k
VDD
GND
1
2
J2

CAL_BUTTON_SWITCH
GPIO23
C2
100nF
R3 10k
VDD
GND
1
2
J4

RESET_BUTTON_SWITCH
GPIO8
C3
100nF
R6 10k
VDD
GND
1
2
J7

PLAY_BUTTON_SWITCH
GPIO20
C11
100nF
R5 10k
VDD
GND
1
2
J5

CAM_BUTTON_LIGHT
T2 BSS138
GPIO15
R2 10k
GND
GND
1
2
J3
5V
Enable view of CAM mounting pattern

CAL_BUTTON_LIGHT
T3 BSS138
GPIO24
R4 10k
GND
GND
1
2
J6
5V
Enable opencv calibration

PLAY_BUTTON_LIGHT
T4 BSS138
GPIO7
R7 10k
GND
GND
1
2
J8
5V
Play Start/Stop

RESET_BUTTON_LIGHT
T1 BSS138
GPIO21
R10 10k
GND
GND
1
2
J1
5V
Play reset

12V
VSS
1
2
J13

CPU_FAN_CONTROL
T6 BSS138
GPIO18
R8 10k
GND
GND
1
2
J12
12V
Cpu Fan control switch

FAN_CONTROL
T5 BSS138
GPIO16
R11 10k
GND
GND
1
2
J9
12V
Fan control switch

VDD
5V
VSS
GPIO14
GPIO15
GPIO18
VSS
GPIO23
GPIO24
VSS
GPIO8
GPIO7
GND
GPIO12
GPIO16
GPIO20
VSS
GPIO21
RPI IO
1 2
3 4
5 6
7 8
9 10
11 12
13 14
15 16
17 18
19 20
21 22
23 24
25 26
27 28
29 30
31 32
33 34
35 36
37 38
39 40

Sensors1
VDD
VSS
GPIO12
1
2
3
4
J10