+5V
+3V3

1	VIN	3V3	24
2	GND	RST	23
3	TX	3V3*	22
4	RX	GND	21
5	A7	D7	20
6	A6	D6	19
7	A5	D5	18
8	A4	D4	17
9	A3	D3	16
10	A2	D2	15
11	A1	D1	14
12	A0	D0	13

TX
RX
A7
A6
A5
A4
A2
A1
A0
GND

D7
D6
D5
D4
D3
D2
D1

GND

JP2
RESET_SWITCH

+3V3
10K R7
GND
+5V
PIR_HEADER
1
2
3
SV2
A0

+3V3
R8 100
JP1
D5
Piezo buzzer connected
2 to ground 1 to positive

1uF C4
D7 R27 100 G D Q7 S
100K R28
GND

D6 R3 100 G D Q1 S
100K R5
GND

D2
+3V3
100 R31
+3V3
R9 1K
D1
J2
1
2
3
4
5
6
RJ11-2L-B
GND

Switch/Opener Header
Hold switch is connected from pin 1 to 6
Hold LED is connected from pin 3 to 4
GarageDoor is connected from 5 to 6

J1 +5V
1
2
3
DCJ0202
C3
100uF
GND

+3V3
A4 R12 76 RGB_LED
A5 R19 68
A6 R22 120
1
2
3
4
SV4
RGB Led Connection

+3V3
GND
R26 10K A1
DS18B20
1
2
3
SV1

H1
MOUNT-HOLE2.8
H3
MOUNT-HOLE2.8
H2
MOUNT-HOLE2.8

TX R1 100
RX R2 100
CAMERA_HEADER
1
2
3
4
5
6
SV6
GND
+5V

Camera Header
Red Pin1
Brown Pin2
Purple Pin3
Gray Pin4
Red LED Pin5
Black LED Pin 6

A7
A2 R23 100 G D Q6 S
R25 100K R24 100
GND

+5V
R17 10K
D3 R13 1K
+5V
J3
1
2
3
4
5
6
RJ11-2L-B
GND

Hall Effect Switches Header
D3 Is the Closed Detector
D4 is the Opened Detector

+5V
R16 10K
D4 R14 1K

PCB Notes
Center LED
90 Deg pin headers for camera and PIR
Move those pin headers to top of the board, side by side
Analog Read cad cell for light sensor