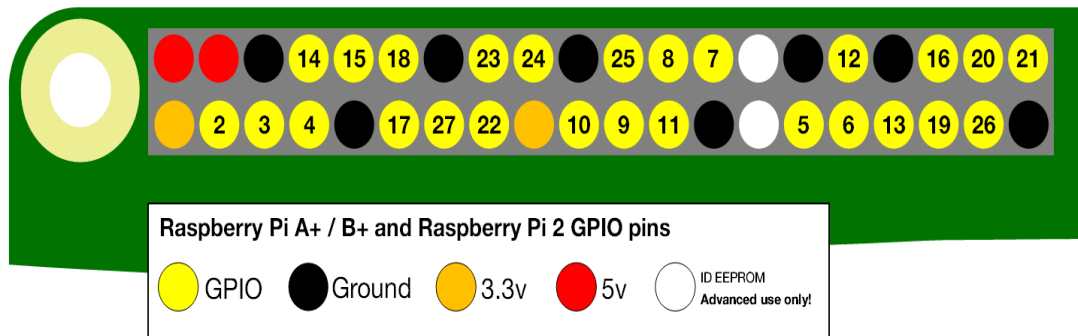# Detector Simulator PIN Connection

Description

There are total of 10 PINs being used on Raspberry Pi 3. Seven PINs are used to output High or Low voltage to TSP50 LEDs (VEH), and two other PINs are used to output AC square wave at 400 Hz to GREET A or GREET B LEDs, and one PIN is used to connect to ground.

Connection

Raspberry Pi GIOP PIN	TSP 50 Connector & PIN & FUNC	CU50 App Name
2	J6 - 3 - VEH2	Veh 2
3	J6 - 5 - VEH3	Veh 3
4	J6 - 6 - VEH4	Veh 4
GND (between 4 and 17)	J6 - 2 -- GND	
17	J6 - 9 - VEH5	Veh 5
27	J7 - 1 - VEH6	Veh 6
22	J7 - 2 - VEH7	Veh 7
10	J7 - 3 - VEH8	Veh 8
9	J7 - 6 - GRT1	Greet A
11	J7 - 8 - GRT2	Greet B