



Figure 1: Pin Configuration for SOP-8 Package

Pin List			
Name	#	Type	Description
VDD	1	Power Supply	3.3~5.0V Supply
MODE	2	Digital Input with Build in 200kΩ Pull-up Resistor	ABZ or I²C/SPI Selection
OUT	3	Analog/Digital Output	Analog or PWM Output
GND	4	Power Supply	Ground
PUSH	5	Digital Output	Push Button Function Output
A	6	Digital Input/output	Incremental Signal A/U or I²C Data 'SDA' , or SSI Data 'DO'
B	7	Digital Input/output	Incremental Signal B/V or I²C Clock 'SCL' , or SSI Clock 'CLK'
Z	8	Digital Input/output with Build in 200kΩ Pull-up Resistor	Incremental Signal Z/W or SSI 'CSN'

Balancer Robot Mk1

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