

# PICAXE Brainboard for Solarbotics Sumovore

## Pinout Diagram for PICAXE 28X1

Reset	□ 1	28	□ Right Motor PWM A -PWM IC MO- 6 - Output 7
Left Line Sensor - ADC 0	□ 2	27	□ PWM Select Right Motor - PWM IC MOT-2 - Output 6
Centre Line Sensor - ADC 1	□ 3	26	□ Left Motor PWM B - PWM IC MOT-3 - Output 5
Right Line Sensor - ADC 2	□ 4	25	□ PWM Select Left Motor - PWM IC MOT -4 - Output 4
Unused - Input A3/ADC 3	□ 5	24	□ LED-3 - Output 3
Programming Jack - Serial In	□ 6	23	□ LED-2 - Output 2
Programming Jack - Serial Out	□ 7	22	□ LED-1 - Output 1
GND	□ 8	21	□ Enable Motors - Output 0
Unused - Optional Resonator	□ 9	20	□ Vcc (+5V)
Unused - Optional Resonator	□ 10	19	□ GND
Left-Centre Line Sensor - pin 0	□ 11	18	□ Right Infrared Sensor - In 7
Right-Centre Line Sensor - pin 1	□ 12	17	□ Left Infrared Sensor - In 6
LED-4 -Output portc 2	□ 13	16	□ LED-5 -Output portc 5
I2C Port Pin 3 - SCL/Output portc 3/In 3	□ 14	15	□ I2C Port Pin 2 - SDA/Output portc 4/In 4