

PICAXE-28X2

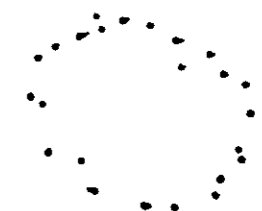
B-button — Reset	1	28	B.7 Red LED (Left)
L-sensor — C1- / ADC0 / A.0	2	27	B.6 Green LED
Front sensor — C2- / ADC1 / A.1	3	26	B.5 Amber LED
R-sensor — C2+ / ADC2 / A.2	4	25	B.4 / ADC11 / (hpwm D) Red LED (Right)
C1+ / ADC3 / A.3	5	24	B.3 / ADC9 Green 18x LED
Sin — Serial In	6	23	B.2 / ADC8 / hint2 / (hpwm B)
Sout — Serial Out / A.4	7	22	B.1 / ADC10 / hint1 / (hpwm C) Relay ON/OFF
-0V	8	21	B.0 / ADC12 / hint0
10MHz — Resonator	9	20	+V
or L Resonator	10	19	0V
L counter timer clk / C.0	11	18	C.7 / hserin / kb data
Motor PWM right — pwm C.1 / C.1	12	17	C.6 / hserout / kb clk — Start Btn.
Motor PWM left — (hpwm A) / pwm C.2 / C.2	13	16	C.5 / hspi sda — Pulsed IR LEDs
R counter — hi2c sda / hspi sck / C.3	14	15	C.4 / hi2c sda / hspi sdi • Button A (Pin 2)

PICAXE-28X1

B button — Reset	1	28	Output 7 Red LED (Left)
L sensor ULPWU / ADC 0 / In a0	2	27	Output 6 Green LED
Front sensor — ADC 1 / In a1	3	26	Output 5
Right sensor — ADC 2 / In a2	4	25	Output 4 / hpwm D Red LED (Right)
ADC 3 / In a3	5	24	Output 3
— Serial In	6	23	Output 2 / hpwm B
— Serial Out	7	22	Output 1 / hpwm C Relay ON/OFF
-0V	8	21	Output 0 to PICAXE 18X
10MHz — Resonator	9	20	+V
or L Resonator	10	19	0V
L counter timer clk / Out c0 / In 0	11	18	In 7 / Out c7 / hserin / kb data
PWM right — pwm 1 / Out c1 / In 1	12	17	In 6 / Out c6 / hserout / kb clk — Start Btn.
PWM left — hpwm A / pwm 2 / Out c2 / In 2	13	16	In 5 / Out c5 / spi sda Pulsed IR sensor LEDs
R counter — spi sck / i2c scl / Out c3 / In 3	14	15	In 4 / Out c4 / i2c sda / spi sdi ← 18X IN

PICAXE-18X

Button A (pin 2) — ADC 2 / Input 2	1	18	Input 1 / ADC 1 ← From 28xX
Serial Out	2	17	Input 0 / ADC 0 / Infrain
Serial In	3	16	Input 7 / keyboard data
Button B — Reset	4	15	Input 6 / keyboard clock
0V	5	14	+V
Output 0	6	13	Output 7 ← out to 28x1
i2c sda / Output 1	7	12	Output 6
Output 2	8	11	Output 5 Yellow LED
pwm 3 / Output 3	9	10	Output 4 / i2c scl green LED



PICAXE-28X2

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Front sensor - C2- / ADC1 / A.1	3	26	B.5 Amber LED
R-sensor - C2+ / ADC2 / A.2	4	25	B.4 / ADC11 / (hpwm D) Red LED (Right)
C1+ / ADC3 / A.3	5	24	B.3 / ADC9 Green 18x LED
Sin - Serial In	6	23	B.2 / ADC8 / hint2 / (hpwm B)
Sout - Serial Out / A.4	7	22	B.1 / ADC10 / hint1 / (hpwm C) Relay on/off
-0V	8	21	B.0 / ADC12 / hint0
10MHz - Resonator	9	20	+V
or L Resonator	10	19	0V
L counter timer clk / C.0	11	18	C.7 / hserin / kb data
Motor PWM right - pwm C.1 / C.1	12	17	C.6 / hserout / kb clk - Start Btn.
Motor PWM left - (hpwm A) / pwm C.2 / C.2	13	16	C.5 / hspi sdo - Pulsed IR LEDs
R counter - hi2c sda / hspi sck / C.3	14	15	C.4 / hi2c sda / hspi sdi • Button A (Pin 2)

PICAXE-28X1

B button - Reset	1	28	Output 7 Red LED (Left)
L sensor ULPWU / ADC 0 / In a0	2	27	Output 6 Green LED
Front sensor - ADC 1 / In a1	3	26	Output 5
Right sensor - ADC 2 / In a2	4	25	Output 4 / hpwm D Red LED (Right)
ADC 3 / In a3	5	24	Output 3
- Serial In	6	23	Output 2 / hpwm B
- Serial Out	7	22	Output 1 / hpwm C Relay on/off
-0V	8	21	Output 0 to PICAXE 18X
10MHz - Resonator	9	20	+V
or L Resonator	10	19	0V
L counter timer clk / Out c0 / In 0	11	18	In 7 / Out c7 / hserin / kb data
PWM right - pwm 1 / Out c1 / In 1	12	17	In 6 / Out c6 / hserout / kb clk - Start Btn.
hpwm A / pwm 2 / Out c2 / In 2	13	16	In 5 / Out c5 / spi sdo Pulsed IR sensor LEDs
R counter - spi sck / i2c sda / Out c3 / In 3	14	15	In 4 / Out c4 / i2c sda / spi sdi 18X IN

PICAXE-18X

Button A (pin 2) - ADC 2 / Input 2	1	18	Input 1 / ADC 1 ← From 28xX
Serial Out	2	17	Input 0 / ADC 0 / Infrain
Serial In	3	16	Input 7 / keyboard data
Button B - Reset	4	15	Input 6 / keyboard clock
0V	5	14	+V
Output 0	6	13	Output 7 ← out to 28x1
i2c sda / Output 1	7	12	Output 6
Output 2	8	11	Output 5 Yellow LED
pwm 3 / Output 3	9	10	Output 4 / i2c sda green LED

