IR1 IR OBSTACLE SENSOR www.TheEngineeringProjects.com Infrared Sensor C1_{1uF} +5V 39 38 37 XTAL1 P0.0/AD0 X1 P0.1/AD1 U5 16 CRYSTAL P0.2/AD2 36 35 1k RV1 XTAL2 P0.3/AD3 1 C2 P0.4/AD4 IN1 VSS VS OUT1 34 33 P0.5/AD5 IN2 OUT2 _1 0.50pF P0.6/AD6 EN1 32 RST P0.7/AD7 C3 R1 9 10 15 P2.0/A8 EN2 22 23 P2.1/A9 P2.2/A10 P2.3/A11 10k IN3 GND OUT3 14 IN4 OUT4 29 30 31 24 **PSEN** -0 25 P2.4/A12 P2.5/A13 P2.6/A14 ALE EA 26 GAS1 L293D 27 +5V▲ MQ-2 GAS SENSOR 28 +5V P2.7/A15 BUZ1 www.TheEngineeringProjects.com P3.0/RXD P3.1/TXD P3.2/INT0 P1.0 11 P1.1 12 P1.2 13 P1.3 P3.3/INT1 BUZZER 14 P1.4 P3.4/T0 15 P3.5/T1 P1.5 16 P1.6 P3.6/WR **↑** +5V +5V 17 P1.7 P3.7/RD AT89C51 U1 U3 CS RD WR VCC 18 DB0(LSB) 17 DB1 16 CLK IN DB2 RV3 U4 1k 15 DB3 **INTR** 14 13 12 11 DB4 A GND VDD 10 2 DB5 D GND DATA DB6 VREF/2 GND CLK R DB7(MSB) 0 0 DHT22 VIN+ VIN-ADC0804 R2 0.50pF