

PDIP

16x2 LCD RS	(XCK/T0) PB0	1	40	PA0 (ADC0)	ADC0
16x2 LCD R/W	(T1) PB1	2	39	PA1 (ADC1)	ADC1
16x2 LCD EN	(INT2/AIN0) PB2	3	38	PA2 (ADC2)	ADC2
Push Button Switch	(OC0/AIN1) PB3	4	37	PA3 (ADC3)	ADC3
16x2 LCD BIT 4	(SS) PB4	5	36	PA4 (ADC4)	ADC4
16x2 LCD BIT 5	(MOSI) PB5	6	35	PA5 (ADC5)	ADC5
16x2 LCD BIT 6	(MISO) PB6	7	34	PA6 (ADC6)	LED Bit0
16x2 LCD BIT 7	(SCK) PB7	8	33	PA7 (ADC7)	LED Bit1
Power on Reset with push button	RESET	9	32	AREF	Trim Pot
5V from LDO	VCC	10	31	GND	Gnd
Gnd	GND	11	30	AVCC	5V from LDO
Xtal 16Mhz	XTAL2	12	29	PC7 (TOSC2)	Sensor 7
Xtal 16Mhz	XTAL1	13	28	PC6 (TOSC1)	Sensor 6
Program and Debug Tx	(RXD) PD0	14	27	PC5 (TDI)	Sensor 5
Program and Debug Rx	(TXD) PD1	15	26	PC4 (TDO)	Sensor 4
Left Motor Logic Bit 1	(INT0) PD2	16	25	PC3 (TMS)	Sensor 3
Left Motor Logic Bit 2	(INT1) PD3	17	24	PC2 (TCK)	Sensor 2
Left Motor PWM	(OC1B) PD4	18	23	PC1 (SDA)	Sensor 1
Right Motor PWM	(OC1A) PD5	19	22	PC0 (SCL)	Sensor 0
Right Motor Logic Bit 1	(ICP1) PD6	20	21	PD7 (OC2)	Right Motor Logic Bit 2