LEGEND

GND	
POWER	
CONTROL	
PORT PIN	
ATMEGA PIN FUNC	
DIGITAL PIN	
ANALOG-RELATED PIN	
PWM PIN	
SERIAL PIN	
ARDUINO PIN	

Using Arduino as ICSP Programmer for ATMEGA1284P

THE UNOFFICIAL
ARDUINO
&
ATMega1284P
PINOUT DIAGRAM

ATMEL
ATMEGA1284P

1		40	
2		39	
3		38	
4		37	
5		36	
11	6	35	
12	7	34	
13	8	33	
10	9	32	
VCC 10		31	GND
GND 11		30	VCC

ATMEL ATMEGA1284P

Left pins					Pin		Pin					Right pins
XCK0	0	T0	PCINT8	PB0	1	40	PA0	PCINT0	ADC0	A0	24	
CLKO	1	T1	PCINT9	PB1	2	39	PA1	PCINT1	ADC1	A1	25	
INT2	2	AIN0	PCINT10	PB2	3	38	PA2	PCINT2	ADC2	A2	26	
PWM OC0A	3	AIN1	PCINT11	PB3	4	37	PA3	PCINT3	ADC3	A3	27	
PWM OC0B	4	SS	PCINT12	PB4	5	36	PA4	PCINT4	ADC4	A4	28	
ICP3	5	MOSI	PCINT13	PB5	6	35	PA5	PCINT5	ADC5	A5	29	
PWM OC3A	6	MISO	PCINT14	PB6	7	34	PA6	PCINT6	ADC6	A6	30	
PWM OC3B	7	SCK	PCINT15	PB7	8	33	PA7	PCINT7	ADC7	A7	31	
			RESET		9	32	AREF					
			VCC		10	31	GND					
			GND		11	30	AVCC					
			XTAL2		12	29	PC7	PCINT23	TOSC2	23		
			XTAL1		13	28	PC6	PCINT22	TOSC1	22		
T3	8	RXD0	PCINT24	PD0	14	27	PC5	PCINT21	TDI	21		
	9	TXD0	PCINT25	PD1	15	26	PC4	PCINT20	TDO	20		
INT0	10	RXD1	PCINT26	PD2	16	25	PC3	PCINT19	TMS	19		
INT1	11	TXD1	PCINT27	PD3	17	24	PC2	PCINT18	TCK	18		
PWM XCK1	12	OC1B	PCINT28	PD4	18	23	PC1	PCINT17	SDA	17		
PWM	13	OC1A	PCINT29	PD5	19	22	PC0	PCINT16	SCL	16		
PWM ICP	14	OC2B	PCINT30	PD6	20	21	PD7	PCINT31	OC2A	15	PWM	

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