

Port	Pin	Arduino Pin #	Arduino Function	Chip Functions			Notes
A	0	22		AD0			
	1	23		AD1			
	2	24		AD2			
	3	25		AD3			
	4	26		AD4			
	5	27		AD5			
	6	28		AD6			
7	29		AD7				
B	0	53	SS	SS#		PCINT0	
	1	52	SCK	SCK		PCINT1	
	2	51	MOSI	MOSI	PDI	PCINT2	
	3	50	MISO	MISO	PDO	PCINT3	
	4	10	PWM	OC2A		PCINT4	
	5	11	PWM	OC1A		PCINT5	
	6	12	PWM	OC1B		PCINT6	
7	13	PWM	OC0A	OC1C	PCINT7	Onboard LED	
C	0	37		A8			
	1	36		A9			
	2	35		A10			
	3	34		A11			
	4	33		A12			
	5	32		A13			
	6	31		A14			
7	30		A15				
D	0	21	SCL	SCL		INT0	
	1	20	SDA	SDA		INT1	
	2	19	RX1	RXD1		INT2	
	3	18	TX1	TXD1		INT3	
	4	-		ICP1			
	5	-		XCK1			
	6	-			T1		
7	38			T0			
E	0	0	RX0/PWM	RXD0			Arduino Serial (Blue)
	1	1	TX0/PWM	TXD0			Arduino Serial (Green)
	2	-		XCK0		AIN0	
	3	5	PWM	OC3A		AIN1	
	4	2	PWM	OC3B		INT4	
	5	3	PWM	OC3C		INT5	
	6	-			T3	INT6	
7	-		ICP3	CLK0	INT7		
F	0	ADC0	ADCL			ADC0	
	1	ADC1	ADCL			ADC1	
	2	ADC2	ADCL			ADC2	
	3	ADC3	ADCL			ADC3	
	4	ADC4	ADCL	TCK		ADC4	
	5	ADC5	ADCL	TMS		ADC5	
	6	ADC6	ADCL	TDO		ADC6	
7	ADC7	ADCL	TDI		ADC7		
G	0	41		WR#			
	1	40		RD#			
	2	39		ALE			
	3	-		TOSC2			
	4	-		TOSC1			
	5	4	PWM	OC0B			
	6	-					
7	-						
H	0	17	RX2	RXD2			
	1	16	TX2	TXD2			
	2	-		XCK2			
	3	-	PWM	OC4A			
	4	-	PWM	OC4B			
	5	-	PWM	OC4C			
	6	-	PWM	OC2B			
7	-			T4			
I	--			--- There is no Port I ---			
J	0	15	RX3	RXD3		PCINT9	
	1	14	RTX3	TXD3		PCINT10	
	2	-		XCK3		PCINT11	
	3	-				PCINT12	
	4	-				PCINT13	
	5	-				PCINT14	
	6	-				PCINT15	
7	-						
K	0	ADC8	ADCH		ADC8	PCINT16	
	1	ADC9	ADCH		ADC9	PCINT17	
	2	ADC10	ADCH		ADC10	PCINT18	
	3	ADC11	ADCH		ADC11	PCINT19	
	4	ADC12	ADCH		ADC12	PCINT20	
	5	ADC13	ADCH		ADC13	PCINT21	
	6	ADC14	ADCH		ADC14	PCINT22	
7	ADC15	ADCH		ADC15	PCINT23		
L	0	49		ICP4			
	1	48		ICP5			
	2	47			T5		
	3	46	PWM	OC5A			
	4	45	PWM	OC5B			
	5	44	PWM	OC5C			
	6	43					
7	42						

Logical Pin (from chart)	Molex Connector Pin	Color
0	1	White
1	2	Yellow
2	3	Green
3	4	Blue
GND	5	Black
4	6	White
5	7	Yellow
6	8	Green
7	9	Blue
+5V	10	Red
GND	11	Black