

Analogue In

Color	Port	Channel	Arduino	Pin	Description	Wire Color
Blue	A1	A2	A1	1	A2	Yellow
		A1	A0	2	A1	Green
				3	+5V	Red
				4	GND	Black
Blue	A2	A4	A3	1	A4	Yellow
		A3	A2	2	A3	Green
				3	+5V	Red
				4	GND	Black
Blue	A3	A6	A5	1	A6	Yellow
		A5	A4	2	A5	Green
				3	+5V	Red
				4	GND	Black
Blue	A4	A8	A7	1	A8	Yellow
		A7	A6	2	A7	Green
				3	+5V	Red
				4	GND	Black
Blue	A5	A10	A9	1	A10	Yellow
		A9	A8	2	A9	Green
				3	+5V	Red
				4	GND	Black
Blue	A6	A12	A10	1	A12	Yellow
		A11	A11	2	A11	Green
				3	+5V	Red
				4	GND	Black

Looking into connector numbering is from right to left on individual connector.

Servo Out

Color	Port	Channel	Arduino	Pin	Description	Wire Color
Yellow	S1			1	GND	Blue
				2	+5V	Yellow
		S2	3	3	S2	Green
		S1	2	4	S1	Red
				5	+5V	Black
				6	GND	White
Yellow	S2			1	GND	Blue
				2	+5V	Yellow
		S4	5	3	S4	Green
		S3	4	4	S3	Red
				5	+5V	Black
				6	GND	White
Yellow	S3			1	GND	Blue
				2	+5V	Yellow
		S6	7	3	S6	Green
		S5	6	4	S5	Red
				5	+5V	Black
				6	GND	White
Yellow	S4			1	GND	Blue
				2	+5V	Yellow
		S8	9	3	S8	Green
		S7	8	4	S7	Red
				5	+5V	Black
				6	GND	White
Yellow	S5			1	GND	Blue
				2	+5V	Yellow
		S10	11	3	S10	Green
		S9	10	4	S9	Red
				5	+5V	Black
				6	GND	White
Yellow	S6			1	GND	Blue
				2	+5V	Yellow
		S12	13	3	S12	Green
		S11	12	4	S11	Red
				5	+5V	Black
				6	GND	White

Digital Out

Color	Port	Channel	Arduino	Pin	Description	Wire Color
Red	DO1			1	GND	Blue
				2	+5V	White
		DO4	30	3	D04	Black
		DO3	31	4	D03	Red
		DO2	32	5	D02	Green
		DO1	33	6	D01	Yellow
				7	+5V	Brown
				8	GND	Grey
Red	DO2			1	GND	Blue
				2	+5V	White
		DO8	26	3	D08	Black
		DO7	27	4	D07	Red
		DO6	28	5	D06	Green
		DO5	29	6	D05	Yellow
				7	+5V	Brown
				8	GND	Grey
Red	DO3			1	GND	Blue
				2	+5V	White
		DO12	SDA 20 20	3	D012	Black
		DO11	SCL 23 21	4	D011	Red
		DO10	RESET 44	5	D010	Green
		DO9	25	6	D09	Yellow
				7	+5V	Brown
				8	GND	Grey

Digital In

Color	Port	Channel	Arduino	Pin	Description	Wire Color
Green	DI1			1	GND	Blue
				2	+5V	White
		DI4	42	3	DI4	Black
		DI3	43	4	DI3	Red
		DI2	44	5	DI2	Green
		DI1	45	6	DI1	Yellow
				7	+5V	Brown
				8	GND	Grey
Green	DI2			1	GND	Blue
				2	+5V	White
		DI8	38	3	DI8	Black
		DI8	39	4	DI7	Red
		DI6	40	5	DI6	Green
		DI5	41	6	DI5	Yellow
				7	+5V	Brown
				8	GND	Grey
Green	DI3			1	GND	Blue
				2	+5V	White
		DI12	34	3	DI12	Black
		DI11	35	4	DI11	Red
		DI10	36	5	DI10	Green
		DI9	37	6	DI9	Yellow
				7	+5V	Brown
				8	GND	Grey

Communication

Color	Port	Channel	Arduino	Pin	Description	Wire Color
Orange	C1			1	GND	Blue
				2	+5V	White
				3	MISO	Black
			50	4	MOSI	Red
			51	5	SCK	Green
			52	6	SS	Yellow
			53	7	+5V	Brown
				8	GND	Grey
Orange	C2			1	GND	Blue
				2	+5V	White
			16	3	TX2	Black
			17	4	RX2	Red
			18	5	TX1	Green
			19	6	RX1	Yellow
				7	+5V	Brown
				8	GND	Grey
Orange	C3			1	GND	Blue
				2	+5V	White
			1	3	TX0	Black
			0	4	RX0	Red
			14	5	TX3	Green
			15	6	RX3	Yellow
				7	+5V	Brown
				8	GND	Grey

