

**Pin Configuration for BLHeliSuite 4-Way Interfaces (4w-if) on Arduino boards
for Atmel/SiLabs ESC (v3)**

Arduinio and ATmega for SiLabs C2 Interface

GND	Common C2 GND Pin	= connect to GND pad on all (1-8) BESC
C2D	Common C2 Data Pin	= connect to C2D pad on all (1-8) BESC
C2CK	1-8 Individual C2 Clock Pin	= connect to C2CK pad on every (1-8) BESC individually

Arduino general (w/o Mega) + ATmega8

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
C2D	All D12	PB4 (MISO)	
C2CK	1 D11	PB3 (MOSI)	Multi only
C2CK	2 D10	PB2	
C2CK	3 D9	PB1	
C2CK	4 D8	PB0	
C2CK	5 A2	PC2	
C2CK	6 A3	PC3	
C2CK	7 A4	PC4	
C2CK	8 A5	PC5	

Arduino Nano Multi and PD3/PD2

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
C2D	All D2	PD2	
C2CK	1 D3	PD3	Multi only
C2CK	2 D4	PD4	
C2CK	3 D5	PD5	
C2CK	4 D6	PD6	
C2CK	5 D7	PD7	
C2CK	6 D8	PB0	
C2CK	7 D9	PB1	
C2CK	8 D10	PB2	

Arduino Mega board

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
C2D	All D50	PB3 (MISO)	
C2CK	1 D51	PB2 (MOSI)	Multi only
C2CK	2 D49	PL0	
C2CK	3 D48	PL1	
C2CK	4 D47	PL2	
C2CK	5 D46	PL3	
C2CK	6 D45	PL4	
C2CK	7 D44	PL5	
C2CK	8 D43	PL6	

Arduino UNO w. 4884 LCD Shield

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
C2D	All D12	PB4 (MISO)	
C2CK	1 D11	PB3 (MOSI)	Multi only
C2CK	2 D10	PB2	
C2CK	3 D9	PB1	
C2CK	4 D8	PB0	
C2CK	5 A2	PC2	
C2CK	6 A3	PC3	
C2CK	7 A4	PC4	
C2CK	8 A5	PC5	

Arduino UNO w. 1602 LCD Shield

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
C2D	All D12	PB4 (MISO)	
C2CK	1 D11	PB3 (MOSI)	Multi only
C2CK	2 D3	PD3	
C2CK	3 D2	PD2	
C2CK	4 A1	PC1	
C2CK	5 A2	PC2	
C2CK	6 A3	PC3	
C2CK	7 A4	PC4	
C2CK	8 A5	PC5	

ATmega8 Multi

BESC #	MCU Pin		
GND	All	GND	Multi only
C2D	All	PB1	
C2CK	1	PB2	
C2CK	2	PB3	
C2CK	3	PB4	
C2CK	4	PB5	
C2CK	5	PC0	
C2CK	6	PC1	
C2CK	7	PC2	
C2CK	8	PC3	

**Pin Configuration for BLHeliSuite 4-Way Interfaces (4w-if) on Arduino boards
for Atmel/SiLabs ESC (v3)**

Arduino and ATmega for Atmel/SiLabs bootloader servo wire Interface

GND	Common ESC GND Pin	= connect to GND (black) wire on all (1-8) ESC
SIG	1-8 Individual Signal Pin	= connect to Signal wire of every (1-8) BESC individually

Arduino general (w/o Mega) + ATmega8

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
SIG	1 D11	PB3 (MOSI)	
SIG	2 D10	PB2	Multi only
SIG	3 D9	PB1	
SIG	4 D8	PB0	
SIG	5 A2	PC2	
SIG	6 A3	PC3	
SIG	7 A4	PC4	
SIG	8 A5	PC5	

Arduino Nano Multi and PD3/PD2

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
SIG	1 D3	PD3	
SIG	2 D4	PD4	Multi only
SIG	3 D5	PD5	
SIG	4 D6	PD6	
SIG	5 D7	PD7	
SIG	6 D8	PB0	
SIG	7 D9	PB1	
SIG	8 D10	PB2	

Arduino Mega board

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
SIG	1 D51	PB2 (MOSI)	
SIG	2 D49	PL0	Multi only
SIG	3 D48	PL1	
SIG	4 D47	PL2	
SIG	5 D46	PL3	
SIG	6 D45	PL4	
SIG	7 D44	PL5	
SIG	8 D43	PL6	

Arduino UNO w. 4884 LCD Shield

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
SIG	1 D11	PB3 (MOSI)	
SIG	2 D10	PB2	Multi only
SIG	3 D9	PB1	
SIG	4 D8	PB0	
SIG	5 A2	PC2	
SIG	6 A3	PC3	
SIG	7 A4	PC4	
SIG	8 A5	PC5	

Arduino UNO w. 1602 LCD Shield

BESC #	Board PIN	MCU Pin	
GND	All GND	GND	All
SIG	1 D11	PB3 (MOSI)	
SIG	2 D3	PD3	Multi only
SIG	3 D2	PD2	
SIG	4 A1	PC1	
SIG	5 A2	PC2	
SIG	6 A3	PC3	
SIG	7 A4	PC4	
SIG	8 A5	PC5	

ATmega8 Multi

BESC #	MCU Pin		
GND	All	GND	Multi only
SIG	1	PB2	
SIG	2	PB3	
SIG	3	PB4	
SIG	4	PB5	
SIG	5	PC0	
SIG	6	PC1	
SIG	7	PC2	
SIG	8	PC3	