

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

**Arduinio and ATmega for SiLabs C2 Interface**

<b>GND</b>	Common C2 GND Pin	= connect to <b>GND</b> pad on all (1-8) BESC
<b>C2D</b>	Common C2 Data Pin	= connect to <b>C2D</b> pad on all (1-8) BESC
<b>C2CK</b>	1-8 Individual C2 Clock Pin	= connect to <b>C2CK</b> 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)	
C2CK	2	D10	PB2	Multi only
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	
C2CK	2	D4	PD4	Multi only
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)	
C2CK	2	D49	PL0	Multi only
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)	
C2CK	2	D10	PB2	Multi only
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)	
C2CK	2	D3	PD3	Multi only
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
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

Multi only

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

**Arduinio and ATmega for Atmel/SiLabs bootloader servo wire Interface**

<b>GND</b>	Common ESC GND Pin	= connect to <b>GND</b> (black) wire on all (1-8) ESC
<b>SIG</b>	1-8 Individual Signal Pin	= connect to <b>Signal</b> wire of every (1-8) BEESC individually

Arduino general (w/o Mega) + ATmega8				
BESC	#	Board PIN	MCU Pin	
<b>GND</b>	All	GND	GND	<b>All</b>
<b>SIG</b>	1	D11	PB3 (MOSI)	
<b>SIG</b>	2	D10	PB2	
<b>SIG</b>	3	D9	PB1	
<b>SIG</b>	4	D8	PB0	
<b>SIG</b>	5	A2	PC2	
<b>SIG</b>	6	A3	PC3	
<b>SIG</b>	7	A4	PC4	
<b>SIG</b>	8	A5	PC5	

Arduino Nano Multi and PD3/PD2				
BESC	#	Board PIN	MCU Pin	
<b>GND</b>	All	GND	GND	<b>All</b>
<b>SIG</b>	1	D3	PD3	
<b>SIG</b>	2	D4	PD4	
<b>SIG</b>	3	D5	PD5	
<b>SIG</b>	4	D6	PD6	
<b>SIG</b>	5	D7	PD7	
<b>SIG</b>	6	D8	PB0	
<b>SIG</b>	7	D9	PB1	
<b>SIG</b>	8	D10	PB2	

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

Arduino UNO w. 4884 LCD Shield				
BESC	#	Board PIN	MCU Pin	
<b>GND</b>	All	GND	GND	<b>All</b>
<b>SIG</b>	1	D11	PB3 (MOSI)	
<b>SIG</b>	2	D10	PB2	
<b>SIG</b>	3	D9	PB1	
<b>SIG</b>	4	D8	PB0	
<b>SIG</b>	5	A2	PC2	
<b>SIG</b>	6	A3	PC3	
<b>SIG</b>	7	A4	PC4	
<b>SIG</b>	8	A5	PC5	

Arduino UNO w. 1602 LCD Shield				
BESC	#	Board PIN	MCU Pin	
<b>GND</b>	All	GND	GND	<b>All</b>
<b>SIG</b>	1	D11	PB3 (MOSI)	
<b>SIG</b>	2	D3	PD3	
<b>SIG</b>	3	D2	PD2	
<b>SIG</b>	4	A1	PC1	
<b>SIG</b>	5	A2	PC2	
<b>SIG</b>	6	A3	PC3	
<b>SIG</b>	7	A4	PC4	
<b>SIG</b>	8	A5	PC5	

ATmega8 Multi				
BESC	#		MCU Pin	
<b>GND</b>	All		GND	<b>Multi only</b>
<b>SIG</b>	1		PB2	
<b>SIG</b>	2		PB3	
<b>SIG</b>	3		PB4	
<b>SIG</b>	4		PB5	
<b>SIG</b>	5		PC0	
<b>SIG</b>	6		PC1	
<b>SIG</b>	7		PC2	
<b>SIG</b>	8		PC3	