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

Ardunio 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	Indivudual 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)	
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	**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)

Ardunio 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	Indivudual 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	