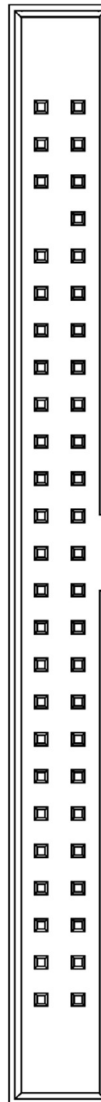


Main external connector:

			SWCLK	PA14
				GND
				GND
				KEY
			BOOT1	PB2
	I2C1 SCL	SDIO D4	CAN RX	PB8
	I2C1 SCL		USART1 TX	PB6
		SPI3 MISO	SPI1 MISO	PB4
	I2S3 WS	SPI3 NSS	SPI1 NSS	PA15
		USART5 RX	SDIO CMD	PD2
	SDIO CK	USART5 TX	USART3 CK	PC12
	SDIO D3	USART4 RX	USART3 RX	PC11
	SDIO D2	USART4 TX	USART3 TX	PC10
	CAN TX	USB DP	USART1 RTS	PA12
	CAN RX	USB DM	USART1 CTS	PA11
			USART1 RX	PA10
			USART1 TX	PA9
		MCO	USART1 CK	PA8
			SDIO D0	PC8
	I2S2 SD		SPI2 MOSI	PB15
		USART3 RTS	SPI2 MISO	PB14
	I2S2 CK	USART3 CTS	SPI2 SCK	PB13
I2C2 SMBA	I2S2 WS	USART3 CK	SPI2 NSS	PB12
				5Vout
				GND



PA13	SWDIO			
Reset				
Vcc (+3.3V)				
Vbat (+3V)				
BOOT0				
PB9	CAN TX	SDIO D5	I2C1 SDA	
PB7	USART1 RX		I2C1 SDA	
PB5	SPI1 MOSI	SPI3 MOSI	I2C1 SMBA	I2S3 SD
PB3	SPI1 SCK	SPI3 SCK		I2S3 CK
PC13	TAMPER-RTC			
PA0	ADC123 IN0	USART2 CTS	WKUP	
PA1	ADC123 IN1	USART2 RTS		
PA2	ADC123 IN2	USART2 TX		
PA3	ADC123 IN3	USART2 RX		
PA4	ADC12 IN4	USART2 CK	SPI1 NSS	DAC OUT1
PA5	ADC12 IN5		SPI1 SCK	DAC OUT2
PA6	ADC12 IN6		SPI1 MISO	
PA7	ADC12 IN7		SPI1 MOSI	
PC9	SDIO D1			
PC7	SDIO D7	I2S3 MCK		
PC6	SDIO D6	I2S2 MCK		
PB10	USART3 TX	I2C2 SCL		
PB11	USART3 RX	I2C2 SDA		
Von				
Vcc (+3.3V)				

Notes:

- 5Vout: 5V from USB port
- Von: 3~4.2V from main Li-Ion/Li-Po battery if power switch ON
- Vbat: 3V from Li-Ion cell battery
- Vcc: 3.3V from power converter

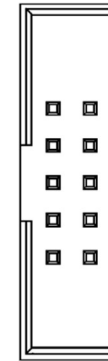
Input slots:

LEFT	
PB1	ADC12 IN9
PB0	ADC12 IN8
PC1	ADC123 IN11
PC0	ADC123 IN10
Vcc(+3.3V)	
GND	

RIGHT	
PC5	ADC12 IN15
PC4	ADC12 IN14
PC3	ADC123 IN13
PC2	ADC123 IN12
Vcc(+3.3V)	
GND	

Programming port:

	Reset
	GND
	NC
	NC
	5V



PA13	SWDIO
GND	
PA14	SWCLK
NC	
5V	

Notes:

5V: connected to Power Switch, powered system when Power Switch is OFF