	Danimbanal	Doub nin nome	Din name	Dhysiaal sis sa	Description
	Peripherai	Perh. pin name	Pin name	Physical pin no.	Description
	USB	USB DM	PA11	32	USB differential minus signal
	USB	USB DP	PA11	33	USB differential nimus signal
	036	U3B_DF	FAIZ	33	OSB differential plus signal
	CAN	CAN1 RX	PB8	45	CAN RX pin into the MCU
	CAN	CAN1_TX	PB9	46	CAN TX pin out of the MCU
	CAN	CAN_SILENT	PA10	31	Silent mode control for CAN transceiver
	CAN	CAN_SILLIVI	1 7 10	31	Ollett mode control for GAN transceiver
	ADC	ADC IN6	PA1	11	Battery voltage ADC input/channel
	ADC	ADC IN7	PA2	12	NTC temperature probe ADC input/channel
	ADC	ADC IN8	PA3	13	Charge current ADC input/channel
	ADC	ADC IN16	PB1	19	Charger voltage ADC input/channel
	ADC	ADC IN17	internal	internal	MCU internal temperature sensor ADC input/channel
	-				
	SPI	SPI1 SCK	PA5	15	SPI CLOCK signal to LTC6803
	SPI	SPI1 MOSI	PA7	17	SPI MOSI (master out - slave in) signal to LTC6803
	SPI	SPI1_MISO	PA6	16	SPI MISO (master in - slave out) signal to LTC6803
	SPI	SPI1_CS	PA4	14	SPI CS (chip select) signal to LTC6803
	USART	USART3_RX	PB11	22	USART RX, receive data pin
	USART	USART3_TX	PB10	21	USART TX, transmit data pin
		NOTE. SHARED PINS, CAN ONLY USE OTHER		ISE OTHER	
	I2C	I2C2_SDA	PB11	22	I2C SDA, data signal
	I2C	I2C2_SCL	PB10	21	I2C SCL, clock signal
	SWD	SWDIO	PA13	34	Serial Wire Debug -data signal
	SWD	SWCLK	PA14	37	Serial Wire Debug -clock signal
	SWD	NRESET	NRST	7	MCU reset signal
	LED/PWM	TIM1_CH1N	PB13	26	Red LED
	LED/PWM	TIM1_CH2N	PB14	27	Green LED
	LED/PWM	TIM1_CH3N	PB15	28	Blue LED
	GPIO	CHARGE_ENABLE	PA8	29	Enable signal to BQ76200 gate driver to turn on charge FETS
	GPIO	BAT_VOLTAGE_ENABLE		20	Enable signal to battery side voltage resistive divider
	GPIO	PMON_ENABLE	PB12	25	Enable signal to BQ76200 charger side voltage resistive divider
	GPIO	5V_BUCK_ENABLE	PB0	18	Enable signal to MAX15062 5V buck regulator, also turns on "power" 3V3 rail
-	GPIO	OPTO_ISOLATOR	PA9	30	Opto-isolator input/output signal. Depends on Opto HW configuration
	GPIO	USB_DETECT	PB7	43	USB 5V detect line