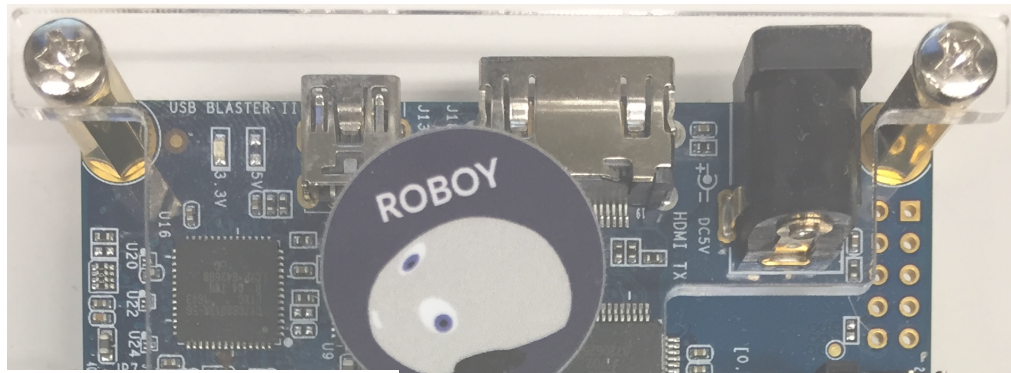


roboy de10-nano-soc PINOUT

LEGEND

SCK[0-1]	SPI clock lines
MOSI[0-1]	SPI Master Out Slave In lines
MISO[0-1]	SPI Master In Slave Out
SS0[0-6]	SPI Slave Select lines of SPI bus 0 (the [] is the motor ID)
SS1[7-13]	SPI Slave Select lines of SPI bus 1 (the [] is the motor ID)
SCL[0-4]	I2C clock lines for 5 cores
SDA[0-4]	I2C data lines for 5 cores
GP0[0-1]	GPIO pins controlled by I2C core 0
GP1[0-1]	GPIO pins controlled by I2C core 1
GP2[0-1]	GPIO pins controlled by I2C core 2
SCK[ESP]	SPI clock line for ESP8266
MOSI[ESP]	SPI Master Out Slave In line for ESP8266
SS[ESP]	SPI Slave Select line for ESP8266
LS[0-31]	DarkRoom Lighthouse Sensor lines
LS_TX	DarkRoomOOTXDecoder uart TX
PWR_S	Power Sense, active low



GP1 [0]	GPIO_1[35]	40	39	GPIO_1[34]	GP0 [0]	SCL[0]	GPIO_0[0]	1	2	GPIO_0[1]	SDA[0]
GP1 [1]	GPIO_1[33]	38	37	GPIO_1[32]	GP0 [1]	SCL[1]	GPIO_0[2]	3	4	GPIO_0[3]	SDA[1]
GP1 [2]	GPIO_1[31]	36	35	GPIO_1[30]	GP0 [2]	SCL[2]	GPIO_0[4]	5	6	GPIO_0[5]	SDA[2]
SDA [3]	GPIO_1[29]	34	33	GPIO_1[28]	SCL [3]	MOSI [ESP]	GPIO_0[6]	7	8	GPIO_0[7]	SCK [ESP]
SDA [4]	GPIO_1[27]	32	31	GPIO_1[26]	SCL [4]	SS [ESP]	GPIO_0[8]	9	10	GPIO_0[9]	LS_TX
GND		30	29	GPIO_1[24]	3.3V	5V		11	12	GND	
LS [15]	GPIO_1[25]	28	27	GPIO_1[24]	LS [14]	LS [16]	GPIO_0[10]	13	14	GPIO_0[11]	LS [17]
LS [13]	GPIO_1[23]	26	25	GPIO_1[22]	LS [12]	LS [18]	GPIO_0[12]	15	16	GPIO_0[13]	LS [19]
LS [11]	GPIO_1[21]	24	23	GPIO_1[20]	LS [10]	LS [20]	GPIO_0[14]	17	18	GPIO_0[15]	LS [21]
LS [9]	GPIO_1[19]	22	21	GPIO_1[18]	LS [8]	LS [22]	GPIO_0[16]	19	20	GPIO_0[17]	LS [23]
LS [7]	GPIO_1[17]	20	19	GPIO_1[16]	LS [6]	LS [24]	GPIO_0[18]	21	22	GPIO_0[19]	LS [25]
LS [5]	GPIO_1[15]	18	17	GPIO_1[14]	LS [4]	LS [26]	GPIO_0[20]	23	24	GPIO_0[21]	LS [27]
LS [3]	GPIO_1[13]	16	15	GPIO_1[12]	LS [2]	LS [28]	GPIO_0[22]	25	26	GPIO_0[23]	LS [29]
LS [1]	GPIO_1[11]	14	13	GPIO_1[10]	LS [0]	PWR_S	GPIO_0[24]	27	28	GPIO_0[25]	
GND		12	11	GPIO_1[8]	5V	3.3V		29	30	GND	
SS0 [6]	GPIO_1[9]	10	9	GPIO_1[8]	SS0 [5]	SS1 [7]	GPIO_0[26]	31	32	GPIO_0[27]	SS1 [8]
SS0 [4]	GPIO_1[7]	8	7	GPIO_1[6]	SS0 [3]	SS1 [9]	GPIO_0[28]	33	34	GPIO_0[29]	SS1 [10]
SS0 [2]	GPIO_1[5]	6	5	GPIO_1[4]	SS0 [1]	SS1 [11]	GPIO_0[30]	35	36	GPIO_0[31]	SS1 [12]
SS0 [0]	GPIO_1[3]	4	3	GPIO_1[2]	SCK [0]	SS1 [13]	GPIO_0[32]	37	38	GPIO_0[33]	SCK [1]
MISO [0]	GPIO_1[1]	2	1	GPIO_1[0]	MOSI [0]	MISO [1]	GPIO_0[34]	39	40	GPIO_0[35]	MOSI [1]

