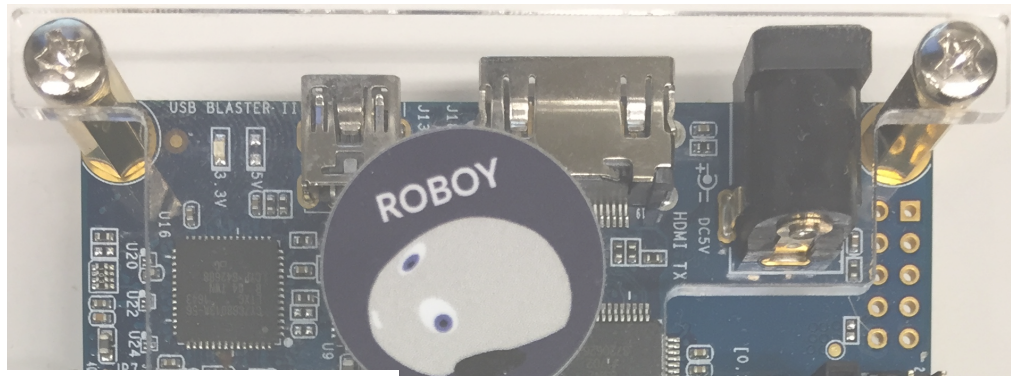


roboy de10-nano-soc PINOUT

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
GPIO	gpio, controlled by myoControl[0]



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

