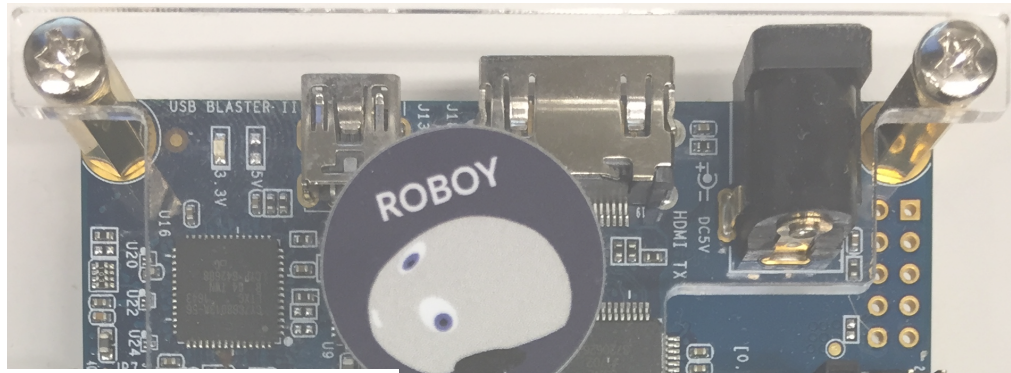


roboy de10-nano-soc PINOUT

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[0-8]	SPI Slave Select lines of SPI bus 0 (the [] is the motor ID)
SS1[9-12]	SPI Slave Select lines of SPI bus 1 (the [] is the motor ID)
SCL/SDA[0-1]	I2C clock/data lines for 2 cores
SCL/SDA	I2C clock/data lines for up to four myoBrick motor angle ICs
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_D[0-15]	DarkRoom Lighthouse Sensor TS4231 data lines
LS_E[0-15]	DarkRoom Lighthouse Sensor TS4231 envelope lines
LS_TX	DarkRoomOOTXDecoder uart TX
PWR_S	Power Sense, active low
GPIO	gpio, controlled by myoControl[0]



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

