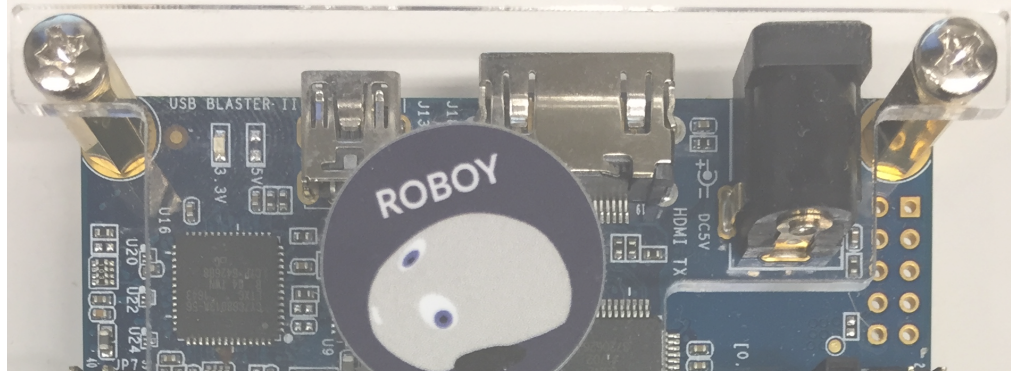


roboy de10-nano-soc PINOUT

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[0-1]	I2C clock lines
SDA[0-1]	I2C data lines
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



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

