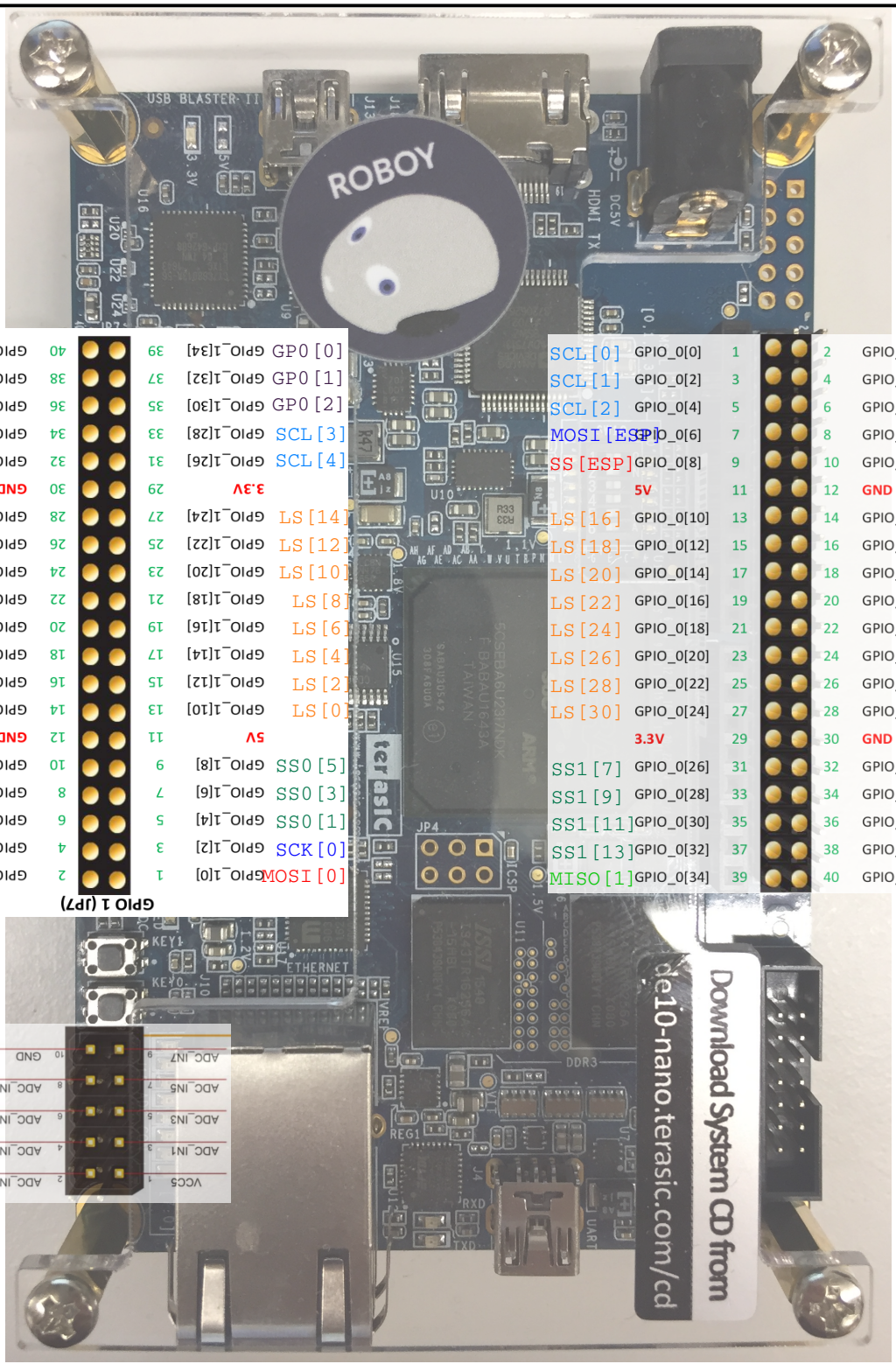
roboy de10-nano-soc PINOUT

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



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

GPIO 1 (JP7)

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

	GND	10	9	ADC_IN7	
	ADC_IN6	8	7	ADC_IN5	
	ADC_IN4	6	5	ADC_IN3	
	ADC_IN2	4	3	ADC_IN1	
	ADC_IN0	2	1	VCC5	