

PIN	Name	Function	PIN	Name	Function
1	GND		70	GP81	Motor A EN(Motor En & Disable)
2	VSYS		69	FW_RCVR	
3	USB_ID		68	GP83	Motor A IN1(Direction control1)
4	VSYS		67	CLK_OUT	
5	GND		66	GP80	Motor A IN2(Direction control2)
6	VSYS		65	GP128	Motor B EN(Motor En & Disable)
7	MSIC		64	GP82	Motor B IN1(Direction control1)
8	3.3V		63	GP129	Motor B IN2(Direction control2)
9	GND		62	GP79	Motor C IN2(Direction control2)
10	3.3V		61	GP130	UART1_RX
11	GND		60	GP77	
12	1.8V		59	GP114	SPI2_MISO
13	GND		58	GP78	Motor A SIG2(Encoder input B)
14	DCIN		57	GP115	SPI2_MOSI
15	GND		56	GP43	
16	USB_DP		55	GP109	SPI2_CLK
17	PWRBTN		54	GP41	Motor B SIG1(Encoder input A)
18	USB_DN		53	GP110	Motor A SIG1(Encoder input A)
19	FALUT		52	GP40	Motor B SIG2(Encoder input B)
20	USB_VBUS		51	GP111	SPI2_CS2
21	PSW		50	GP42	ADC_RDY
22	GP134	UART2_RX	49	UNUSED	
23	V_VBAT		48	GP14	Motor D SIG1(Encoder input A)
24	GP44	Motor D EN(Motor En & Disable)	47	GP28	I2C6_SDA
25	GP165	Motor D IN1(Direction control1)	46	GP131	UART1_TX
26	GP45	Motor D IN2(Direction control2)	45	GP27	I2C6_SCL
27	GP135	UART2_TX	44	GP84	Motor D SIG2(Encoder input B)
28	GP46	Motor C EN(Motor En & Disable)	43	GP20	I2C1_SDA
29	UNUSED		42	GP15	Motor C SIG1(Encoder input A)
30	GP47	Motor C IN1(Direction control1)	41	GP19	I2C1_SCL
31	PCVR_MODE		40	UNUSED	
32	GP48	DO NOT USE	39	GP183_PWM 3	Motor A PWM(Speed control)
33	GP13_PWM 1	Motor D PWM(Speed control)	38	UNUSED	
34	GP49	Motor C SIG2(Encoder input B)	37	GP182_PWM 2	Motor B PWM(Speed control)
35	GP12_PWM 0	Motor C PWM(Speed control)	36	REST_OUT	Motor A EN(Motor En & Disable)