

Mega2560-core pin Assignments		Port Manipulation Groups Used		
Software Version	1.0 releases	DAC	A	
PCB Version	v6a	LED	L	
		ADC	F	
Mega2560-core mini				
Pin	Mega-core-mini function	Arduino Mega2560 equivalent	Lart/1 Function	Note
1	VCC	VCC	5V	
2	VCC	VCC	5V	
3	PG5	D4	CS	SD Card CS pin
4	PE0	RXD	NC	Serial Input via USB
5	PE1	TXD	NC	Serial Output via USB
6	PE3	PWM/D5	D5	Extra DIO pin
7	PE4	PWM/D2		
8	PE5	PWM/D3		
9	PE6			
10	PE7			Note: Serial Pins are showed as reversed!
11	TXD3	D14	RXD3-S3	Serial 3 - connect to RX (extra port)
12	RXD3	D15	TXD3-S3	Serial 3 - connect to TX (extra port)
13	TXD2	D16	RX2-DRA818	Serial 2 - DRA818 transceiver
14	RXD2	D17	TX2-DRA818	Serial 2
15	TXD1	D18	RX1-GPS	Serial1 - GPS
16	RXD1	D19	TX1-GPS	Serial1
17	SDA	D20	SDA	LCD/GPS
18	SCL	D21	SCL	LCD/GPS
19	PH2			
20	PH3	PWM/D6		
21	PH4	PWM/D7		
22	PH5	PWM/D8		
23	PH6	PWM/D9		
24	PB0	53		
25	PB4	PWM/D10		
26	PB5	PWM/D11		
27	PB6	PWM/D12		
28	PB7	PWM/D13		
29	PL0	D49	TX LED Pin	PORTL, 0
30	PL1	D48		
31	PL2	D47		
32	PL3	PWM/D46	RX LED Pin	PORTL, 3
33	PL4	PWM/D45		
34	PL5	PWM/D44		
35	PL6	43		
36	PL7	42		
37	PH7			
38	PG3			
39	GND		GND	
40	GND		GND	

41	AGND			
42	AGND			
43	ADC0	A0	ADC0-ADC	Read audion output from DRA818
44	VREF			
45	ADC2	A2	A2	extra AIO pin
46	ADC1	A1	A1	extra AIO pin
47	ADC4	A4		
48	ADC3	A3		
49	ADC6	A6		
50	ADC5	A5		
51	ADC8	A8		
52	ADC7	A7		
53	ADC10	A10		
54	ADC9	A9		
55	ADC12	A12		
56	ADC11	A11		
57	ADC14	A14		
58	ADC13	A13		
59	PJ2			
60	ADC15	A15		
61	PJ4			
62	PJ3			
63	PJ6			
64	PJ5			
65	PA7	D29	DAC4	PORTA,7
66	PG2	D39		
67	PA5	D27	DAC2	PORTA,5
68	PA6	D28	DAC3	PORTA,6
69	PA3	D25	PTT	PORTA,3
70	PA4	D26	DAC1	PORTA,4
71	PA1	D23		
72	PA2	D24		
73	PJ7			
74	PA0	D22		
75	RESET		RESET	ISCP
76	GND		GND	ISCP
77	PB1	D52	SCK	ISCP
78	PB2	D51	MOSI	ISCP
79	PB3	D50	MISO	ISCP
80	VCC		5V	ISCP
81	VCC			
82	VCC			
83	PC7	D30		
84	PC6	D31		
85	PC5	D32		
86	PC4	D33		
87	PC3	D34	D34	Extra DIO pin

88	PC2	D35	PD	used for Power Down on DRA818
89	PC1	D36	LED-GPS FIX	Displays GPS Fix status
90	PC0	D37	Extra	Extra DIO pin
91	PG1	D40	Extra	Extra DIO pin
92	PG0	D41	UI Button	Also connected to UI Button
93	PD7	D38		
94	PD6			
95	PD5			
96	PD4			
97	PG4			
98	reserv			
99	GND			
100	GND			