

rcpod-db50 pinout

DB-50 Pin #	Description	RCPOD pin name	Notes
1	Ground		
2	+5V		USB Bus power, do not apply external power
3	Analog Input (0-5V)	RA1	Configurable as a Digital I/O
4	Analog Input (0-5V)	RA2	Configurable as a Digital I/O
5	Analog Input (0-5V)	RA3	Configurable as a Digital I/O
6	Digital I/O	RA4	Output is open-drain (cannot source current)
7	Analog Input (0-5V)	RA5	Configurable as a Digital I/O
8	Analog Input (0-5V)	RE0	Configurable as a Digital I/O
9	Analog Input (0-5V)	RE1	Configurable as a Digital I/O
10	Analog Input (0-5V)	RE2	Configurable as a Digital I/O
11	Digital I/O	RB0	
12	Digital I/O	RB1	
13	Digital I/O	RB2	
14	Digital I/O	RB3	
15	Digital I/O	RB4	
16	Digital I/O	RB5	
17	Digital I/O	RB6	
18	Digital I/O	RB7	
19	Digital I/O	RC0	Configurable as a counter input
20	Digital I/O	RC1	Configurable as a PWM output
21	Digital I/O	RC6	Configurable as a UART transmit output
22	Digital I/O	RC7	Configurable as a UART receive input
23	Digital I/O	RD4	
24	Digital I/O	RD5	
25	I2C Clock (SCL)	RD6	
26	I2C Data (SDA)	RD7	
27	Analog Input (0-28.5V)	Mux input 0	All mux inputs connect to RA0 when addressed using RD0-RD
28	Analog Input (0-28.5V)	Mux input 1	
29	Analog Input (0-28.5V)	Mux input 2	
30	Analog Input (0-28.5V)	Mux input 3	
31	Analog Input (0-28.5V)	Mux input 4	
32	Analog Input (0-28.5V)	Mux input 5	
33	Analog Input (0-28.5V)	Mux input 6	
34	Analog Input (0-28.5V)	Mux input 7	
35	Analog Input (0-28.5V)	Mux input 8	
36	Analog Input (0-28.5V)	Mux input 9	
37	Analog Input (0-28.5V)	Mux input 10	
38	Analog Input (0-28.5V)	Mux input 11	
39	Analog Input (0-28.5V)	Mux input 12	
40	Analog Input (0-28.5V)	Mux input 13	
41	Analog Input (0-28.5V)	Mux input 14	
42	Analog Input (0-28.5V)	Mux input 15	
43	Analog output (0-5V)	DAC 14, output 1	I2C DAC8574s at the indicated address
44	Analog output (0-5V)	DAC 14, output 2	
45	Analog output (0-5V)	DAC 14, output 3	
46	Analog output (0-5V)	DAC 14, output 4	
47	Analog output (0-5V)	DAC 15, output 1	
48	Analog output (0-5V)	DAC 15, output 2	
49	Analog output (0-5V)	DAC 15, output 3	
50	Analog output (0-5V)	DAC 15, output 4	