## rcpod-db50 pinout

Ground	DB-50 Pin #	Description	RCPOD pin name	Notes
3         Analog Input (0-5V)         RA1         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           10         Analog Input (0-5V)         RE2         Configurable as a Digital I/O           11         Digital I/O         RB0         Spital I/O           12         Digital I/O         RB1         Spital I/O           13         Digital I/O         RB2         Analog Input IO-5V           14         Digital I/O         RB3         Analog Input IO-8           15         Digital I/O         RB6         RB6           18         Digital I/O         RB6         RB7           19         Digital I/O         RC0         Configurable as a Counter input           21         Digital I/O         RC6         Configurable as a PWM output           22         Digital I/O         RC6         Configurable as a PWM output           23         Digital I/O         <	1			uce e
4         Analog Input (0-5V)         RA2         Configurable as a Digital I/O           5         Analog Input (0-5V)         RA4         Output is open-drain (cannot source current)           6         Digital I/O         RA4         Output is open-drain (cannot source current)           7         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         Configurable as a Digital I/O           12         Digital I/O         RB1         Configurable as a Digital I/O           13         Digital I/O         RB3         RB1           14         Digital I/O         RB4         RB3           15         Digital I/O         RB5         RB5           17         Digital I/O         RB6         RB7           19         Digital I/O         RC0         Configurable as a PWM output           21         Digital I/O         RC6         Configurable as a UART receive input           24         Digital I/O         RC6         Configurable as a UART receive input           25			D.4.1	
5         Analog Input (0-5V)         RA3         Configurable as a Digital I/O           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         RB1         Configurable as a Digital I/O           12         Digital I/O         RB2         Analog Input (0-28.5V)           14         Digital I/O         RB3         Analog Input I/O           15         Digital I/O         RB5         Analog Input I/O           17         Digital I/O         RB6         Analog Input I/O           18         Digital I/O         RC0         Configurable as a Counter input           20         Digital I/O         RC6         Configurable as a UART transmit output           21         Digital I/O         RC6         Configurable as a UART transmit output           22         Digital I/O         RC6         Configurable as a UART transmit output           23         Digital I/O         RC6         Configurable as a UART transmi				
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12				Configurable as a Digital I/O
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Digital I/O RC6 Configurable as a PWM output Digital I/O RC6 Configurable as a UART transmit output Configurable as a UART receive input  All mus inputs connect to RAO when addressed using RDO-RD  All mux inputs connect to RAO when addressed using RDO-RD  All mux inputs connect to RAO when addressed using RDO-RD  Mux input 1  Analog Input (0-28.5V) Mux input 5  Analog Input (0-28.5V) Mux input 5  Analog Input (0-28.5V) Mux input 6  Analog Input (0-28.5V) Mux input 1		•		
Digital I/O   RC6   Configurable as a UART transmit output		•		
Digital I/O RD4 Digital I/O RD5 Digital I/O RD4 Digital I/O RD5 Digital I/O RD4 Digital I/O RD5 Digital I/O RD4 Digital I/O RD4 Digital I/O RD4 Digital I/O RD5 Digital I/O RD4 Digital I/O RD				
Digital I/O   RD4		-		
24				Configurable as a UART receive input
12C Clock (SCL)   RD6     12C Data (SDA)   RD7     27		•		
12C Data (SDA)   RD7				
Analog Input (0-28.5V) Mux input 1 Analog Input (0-28.5V) Mux input 1 Analog Input (0-28.5V) Mux input 2 Analog Input (0-28.5V) Mux input 3 Analog Input (0-28.5V) Mux input 4 Analog Input (0-28.5V) Mux input 4 Analog Input (0-28.5V) Mux input 5 Analog Input (0-28.5V) Mux input 6 Analog Input (0-28.5V) Mux input 7 Analog Input (0-28.5V) Mux input 7 Analog Input (0-28.5V) Mux input 8 Analog Input (0-28.5V) Mux input 10 Analog Input (0-28.5V) Mux input 11 Analog Input (0-28.5V) Mux input 12 Analog Input (0-28.5V) Mux input 12 Analog Input (0-28.5V) Mux input 13 Analog Input (0-28.5V) Mux input 14 Analog Input (0-28.5V) Mux input 15 Analog output (0-5V) DAC 14, output 1 Analog output (0-5V) DAC 14, output 2 Analog output (0-5V) DAC 14, output 3 Analog output (0-5V) DAC 14, output 4 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 3				
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29				All mux inputs connect to RAO when addressed using RDO-RD
30				
31			•	
32			•	
33				
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		Analog Input (0-28.5V)		
35				
Analog Input (0-28.5V) Mux input 9 Analog Input (0-28.5V) Mux input 10 Analog Input (0-28.5V) Mux input 11 Analog Input (0-28.5V) Mux input 12 Analog Input (0-28.5V) Mux input 13 Analog Input (0-28.5V) Mux input 14 Analog Input (0-28.5V) Mux input 15 Analog output (0-5V) DAC 14, output 1 I2C DAC8574s at the indicated address Analog output (0-5V) DAC 14, output 2 Analog output (0-5V) DAC 14, output 3 Analog output (0-5V) DAC 14, output 4 Analog output (0-5V) DAC 15, output 1 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3				
Analog Input (0-28.5V) Mux input 10 Analog Input (0-28.5V) Mux input 11 Analog Input (0-28.5V) Mux input 12 Analog Input (0-28.5V) Mux input 13 Analog Input (0-28.5V) Mux input 14 Analog Input (0-28.5V) Mux input 15 Analog output (0-5V) DAC 14, output 1 I2C DAC8574s at the indicated address Analog output (0-5V) DAC 14, output 2 Analog output (0-5V) DAC 14, output 3 Analog output (0-5V) DAC 14, output 4 Analog output (0-5V) DAC 15, output 1 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 3		Analog Input (0-28.5V)		
Analog Input (0-28.5V) Mux input 11 Analog Input (0-28.5V) Mux input 12 Analog Input (0-28.5V) Mux input 13 Analog Input (0-28.5V) Mux input 14 Analog Input (0-28.5V) Mux input 15 Analog output (0-5V) DAC 14, output 1 Analog output (0-5V) DAC 14, output 2 Analog output (0-5V) DAC 14, output 3 Analog output (0-5V) DAC 14, output 4 Analog output (0-5V) DAC 15, output 1 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3				
Analog Input (0-28.5V) Mux input 12 Analog Input (0-28.5V) Mux input 13 Analog Input (0-28.5V) Mux input 14 Analog Input (0-28.5V) Mux input 15 Analog output (0-5V) DAC 14, output 1 I2C DAC8574s at the indicated address Analog output (0-5V) DAC 14, output 2 Analog output (0-5V) DAC 14, output 3 Analog output (0-5V) DAC 14, output 4 Analog output (0-5V) DAC 15, output 1 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 3 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3				
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				
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				
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				
Analog output (0-5V) Analog output (0-5V) DAC 14, output 1 DAC 14, output 2 Analog output (0-5V) DAC 14, output 2 Analog output (0-5V) DAC 14, output 3 Analog output (0-5V) DAC 14, output 4 Analog output (0-5V) DAC 15, output 1 Analog output (0-5V) DAC 15, output 2 Analog output (0-5V) DAC 15, output 3			-	
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		Analog Input (0-28.5V)		
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				I2C DAC8574s at the indicated address
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				
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				
48 Analog output (0-5V) DAC 15, output 2 49 Analog output (0-5V) DAC 15, output 3				
49 Analog output (0-5V) DAC 15, output 3				
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50 Analog output (0-5V) DAC 15, output 4				
	50	Analog output (0-5V)	DAC 15, output 4	

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