

"HV Rack" standard, remote-control-interface connections

Pin Number	Signal Name	Function	Parameter
1	Remote Enable A	TTL high to enable, low to disable Channel A	Default is off via internal pull down
2	Remote Voltage Adj A	Voltage Programming for Channel A	0V to 4.64V = 0V to 100% Vmax. (5V = 108% Vo)
3	Voltage Monitor A	Voltage Monitor for Channel A	0V to 4.64V = 0Vo to 100% Vo (5V = 108% Vo)
4	Remote Current Adj A	Current Programming for Channel A	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
5	Current Monitor A	Current Monitor for Channel A	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
6	Reference Voltage A	5V precision voltage reference returned to signal ground A	
7	Signal Ground A	Signal Ground for Channel A	
8	Remote Enable B	TTL high to enable, low to disable Channel B	Default is off via internal pull down
9	Remote Voltage Adj B	Voltage Programming for Channel B	0V to 4.64V = 0V to 100% Vmax. (5V = 108% Vo)
10	Voltage Monitor B	Voltage Monitor for Channel B	0V to 4.64V = 0Vo to 100% Vo (5V = 108% Vo)
11	Remote Current Adj B	Current Programming for Channel B	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
12	Current Monitor B	Current Monitor for Channel B	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
13	Reference Voltage B	5V precision voltage reference returned to signal ground B	
14	Signal Ground B	Signal Ground for Channel B	
15	Remote Enable C	TTL high to enable, low to disable Channel C	Default is off via internal pull down
16	Remote Voltage Adj C	Voltage Programming for Channel C	0V to 4.64V = 0V to 100% Vmax. (5V = 108% Vo)
17	Voltage Monitor C	Voltage Monitor for Channel C	0V to 4.64V = 0Vo to 100% Vo (5V = 108% Vo)
18	Remote Current Adj C	Current Programming for Channel C	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
19	Current Monitor C	Current Monitor for Channel C	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
20	Reference Voltage C	5V precision voltage reference returned to signal ground C	
21	Signal Ground C	Signal Ground for Channel C	
22	Remote Enable D	TTL high to enable, low to disable Channel D	Default is off via internal pull down
23	Remote Voltage Adj D	Voltage Programming for Channel D	0V to 4.64V = 0V to 100% Vmax. (5V = 108% Vo)
24	Voltage Monitor D	Voltage Monitor for Channel D	0V to 4.64V = 0Vo to 100% Vo (5V = 108% Vo)

25	Remote Current Adj D	Current Programming for Channel D	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
26	Current Monitor D	Current Monitor for Channel D	0V to 4.64V = 0A to 100% Io (5V = 108% Io)
27	Reference Voltage D	5V precision voltage reference returned to signal ground D	
28	Signal Ground D	Signal Ground for Channel D	
29	Not Used		
30	Not Used		
31	Not Used		
32	Not Used		
33	Not Used		
34	Not Used		
35	+15V, 100mA power	Power supply for low power external circuitry	
36	Power Ground	Return for +15V	
37	Global Disable	TTL signal disables all Channels, low to enable, high to disable.	Default is ENABLE.