Input connector pin assignments

Pin Number	Wire Name	Wire Color	Contact Color
1	D0	Black	White
2	D1	Brown	White
3	D2	Red	White
4	D3	Orange	White
5	D4	Yellow	White
6	D5	Green	White
7	D6	Blue	White
8	D7	Violet	White
9	Ground	Gray	Black
10	Ground	N/A	N/A
11	D8	Black	Blue
12	D9	Brown	Blue
13	D10	Red	Blue
14	D11	Orange	Blue
15	D12	Yellow	Blue
16	D13	Green	Blue
17	D14	Blue	Blue
18	D15	Violet	Blue
19	Ground	Gray	Black
20	CLK1	White	Blue
21	D16	Black	Yellow
22	D17	Brown	Yellow
23	D18	Red	Yellow
24	D19	Orange	Yellow
25	D20	Yellow	Yellow
26	D21	Green	Yellow
27	D22	Blue	Yellow
28	D23	Violet	Yellow
29	Ground	Gray	Black
30	Ground	N/A	N/A
31	D24	Black	Green
32	D25	Brown	Green
33	D26	Red	Green
34	D27	Orange	Green
35	D28	Yellow	Green
36	D29	Green	Green
37	D30	Blue	Green
38	D31	Violet	Green
39	Ground	Gray	Black
40	CLK2	White	Green

Caution: Ground leads connect to the PC's chassis through the USB cable.