

PCI-1735U

64-ch Digital I/O and Counter card

PIN Assignment

The PCI-1735U card is equipped with two 20-pin insulation displacement (mass termination) connectors accessible from the rear plate and three other 20-pin insulation displacement connectors on board. All these connectors can be connected to flat cables of the same type.

CN1

D/O 0	1 2	D/O 1
D/O 2	3 4	D/O 3
D/O 4	5 6	D/O 5
D/O 6	7 8	D/O 7
D/O 8	9 10	D/O 9
D/O 10	11 12	D/O 11
D/O 12	13 14	D/O 13
D/O 14	15 16	D/O 15
GND	17 18	GND
+5V	19 20	+12V

CN2

D/I 0	1 2	D/I 1
D/I 2	3 4	D/I 3
D/I 4	5 6	D/I 5
D/I 6	7 8	D/I 7
D/I 8	9 10	D/I 9
D/I 10	11 12	D/I 11
D/I 12	13 14	D/I 13
D/I 14	15 16	D/I 15
GND	17 18	GND
+5V	19 20	STROBE 0

CN3

D/O 16	1 2	D/O 17
D/O 18	3 4	D/O 18
D/O 20	5 6	D/O 21
D/O 22	7 8	D/O 23
D/O 24	9 10	D/O 25
D/O 26	11 12	D/O 27
D/O 28	13 14	D/O 29
D/O 30	15 16	D/O 31
GND	17 18	GND
+5V	19 20	+12V

CN4

D/I 16	1 2	D/I 17
D/I 18	3 4	D/I 19
D/I 20	5 6	D/I 21
D/I 22	7 8	D/I 23
D/I 24	9 10	D/I 25
D/I 26	11 12	D/I 27
D/I 28	13 14	D/I 29
D/I 30	15 16	D/I 31
GND	17 18	GND
+5V	19 20	STROBE 1

CN5

CLK 2	1 2	CLK 1
OUT 2	3 4	OUT 1
GATE 2	5 6	GATE 1
	7 8	CLK 0
	9 10	OUT 0
	11 12	GATE 0
	13 14	
	15 16	
GND	17 18	GND
+5V	19 20	

Signal Name	Reference	Direction	Description
D/O <0~31>	GND	Output	Digital output channel 0 through 31.
D/I <0~31>	GND	Input	Digital input channel 0 through 31.
CLK	GND	Input	The clock input for the 8254.
GATE	GND	Input	The gate input for the 8254.
OUT	GND	Output	The signal output of the 8254.
STROBE	GND	Input	The external signal to latch the D/I data.
GND	-	-	Digital ground.