

PCI-1750

32-channel Isolated Digital I/O Card

PIN Assignment

IDI 0	1	○	20	IDI 1
IDI 2	2	○	21	IDI 3
IDI 4	3	○	22	IDI 5
IDI 6	4	○	23	IDI 7
IDI 8	5	○	24	IDI 9
IDI 10	6	○	25	IDI 11
IDI 12	7	○	26	IDI 13
IDI 14	8	○	27	IDI 15/Counter2
IGND	9	○	28	IGND
COM1	10	○	29	IGND
IDO 0	11	○	30	IDO 1
IDO 2	12	○	31	IDO 3
IDO 4	13	○	32	IDO 5
IDO 6	14	○	33	IDO 7
IDO 8	15	○	34	IDO 9
IDO 10	16	○	35	IDO 11
IDO 12	17	○	36	IDO 13
IDO 14	18	○	37	IDO 15
COM2	19	○		

Description of Pin Use

IDI0~IDI15: Isolated digital input pins

IDO 0 ~ IDO 15: Isolated digital output pins

IGND: Isolated ground

COM1: Common pin for connecting inductive loads of isolated output channels IDO 0 ~ IDO 7

COM2: Common pin for connecting inductive loads of isolated output channels IDO 8 ~ IDO 15

Counter2: Input pin of isolated counter (shared with IDI 15)

Warning! Be careful when wiring digital input lines. Never apply a negative voltage to the isolated input pins, as this may damage the PCI-1750.