

PCI-1754/1756

64/32-channel isolated Digital Input/Output card

PIN Assignment

PCI-1754

	ID100	1	51	ID101
	ID102	2	52	ID103
	ID104	3	53	ID105
IDI00 ~ IDI15 : Isolated digital input of Group 0	ID106	4	54	ID107
	ID108	5	55	ID109
	ID110	6	56	ID111
IDI16 ~ IDI31 : Isolated digital input of Group 1	ID112	7	57	ID113
	ID114	8	58	ID115
IDI32 ~ IDI47 : Isolated digital input of Group 2	ECOM0	9	59	ECOM0
	ECOM0	10	60	ECOM0
	NC	11	61	NC
	NC	12	62	NC
IDI48 ~ IDI63 : Isolated digital input of Group 3	ID116	13	63	ID117
	ID118	14	64	ID119
ECOM0 : External common input of Group 0	ID120	15	65	ID121
	ID122	16	66	ID123
ECOM1 : External common input of Group 1	ID124	17	67	ID125
	ID126	18	68	ID127
ECOM2 : External common input of Group 2	ID128	19	69	ID129
	ID130	20	70	ID131
ECOM3 : External common input of Group 3	ECOM1	21	71	ECOM1
	ECOM1	22	72	ECOM1
	NC	23	73	NC
	NC	24	74	NC
NC : No connection	NC	25	75	NC
	ID132	26	76	ID133
	ID134	27	77	ID135
	ID136	28	78	ID137
	ID138	29	79	ID139
	ID140	30	80	ID141
	ID142	31	81	ID143
	ID144	32	82	ID145
	ID146	33	83	ID147
	ECOM2	34	84	ECOM2
	ECOM2	35	85	ECOM2
	NC	36	86	NC
	NC	37	87	NC
	ID148	38	88	ID149
	ID150	39	89	ID151
	ID152	40	90	ID153
	ID154	41	91	ID155
	ID156	42	92	ID157
	ID158	43	93	ID159
	ID160	44	94	ID161
	ID162	45	95	ID163
	ECOM3	46	96	ECOM3
	ECOM3	47	97	ECOM3
	NC	48	98	NC
	NC	49	99	NC
	NC	50	100	NC

PCI-1756

ID100 ~ IDI15 : Isolated digital input of Group 0	ID100	1	51	ID101
	ID102	2	52	ID103
	ID104	3	53	ID105
IDI16 ~ IDI31 : Isolated digital input of Group 1	ID106	4	54	ID107
	ID108	5	55	ID109
IDO00 ~ IDO15 : Isolated digital output of Group 0	ID110	6	56	ID111
	ID112	7	57	ID113
	ID114	8	58	ID115
IDO16 ~ IDO31 : Isolated digital output of Group 1	ECOM0	9	59	ECOM0
	ECOM0	10	60	ECOM0
	NC	11	61	NC
	NC	12	62	NC
ECOM0 : External common input of Group 0	ID116	13	63	ID117
	ID118	14	64	ID119
ECOM1 : External common input of Group 1	ID120	15	65	ID121
	ID122	16	66	ID123
PCOM0 : External common output of Group 0	ID124	17	67	ID125
	ID126	18	68	ID127
PCOM1 : External common output of Group 1	ID128	19	69	ID129
	ID130	20	70	ID131
NC : No connection	ECOM1	21	71	PCOM1
	ECOM1	22	72	PCOM1
	NC	23	73	NC
IGND : Isolated ground	NC	24	74	NC
	NC	25	75	NC
CH_FRZ_IN : Channel-Freeze input pin	ID000	26	76	ID001
	ID002	27	77	ID003
	ID004	28	78	ID005
	ID006	29	79	ID007
	ID008	30	80	ID009
	ID010	31	81	ID011
	ID012	32	82	ID013
	ID014	33	83	ID015
	PCOM0	34	84	PCOM0
	PCOM0	35	85	PCOM0
	IGND	36	86	IGND
	IGND	37	87	IGND
	ID016	38	88	ID017
	ID018	39	89	ID019
	ID020	40	90	ID021
	ID022	41	91	ID023
	ID024	42	92	ID025
	ID026	43	93	ID027
	ID028	44	94	ID029
	ID030	45	95	ID031
	PCOM1	46	96	PCOM2
	PCOM1	47	97	PCOM2
	IGND	48	98	IGND
	IGND	49	99	IGND
CH_FRZ_COM : Common pin for Cannel-Freeze input	CH_FRZ_IN	50	100	CH_FRZ_COM

PCI-1754 I/O Connector Signal Description

Signal Name	Reference	Direction	Description
IDI<00...15>	PCOM0	Input	Isolated digital input of group 0
IDI<16...31>	PCOM1	Input	Isolated digital input of group 1
IDI<32...47>	PCOM2	Input	Isolated digital input of group 2
IDI<48...63>	PCOM3	Input	Isolated digital input of group 3
PCOM0	-	Input	External common input of group 0
PCOM1	-	Input	External common input of group 1
PCOM2	-	Input	External common input of group 2
PCOM3	-	Input	External common input of group 3
NC	-	-	No connection

PCI-1756 I/O Connector Signal Description

Signal Name	Reference	Direction	Description
IDO<00...15>	ECOM0	Input	Isolated digital input of group 0
IDO<16...31>	ECOM1	Input	Isolated digital input of group 1
IDO<32...47>	PCOM0	Output	Isolated digital output of group 0
IDO<48...63>	PCOM1	Output	Isolated digital output of group 1
ECOM0	-	Input	External common input of group 0
ECOM1	-	Input	External common input of group 1
PCOM2	-	Input	External common output of group 0
PCOM3	-	Input	External common output of group 1
IGND	-	-	Isolated ground
CH_FRZ_IN	CH_FRZ_COM	Input	Channel-Freeze function input pin
CH_FRZ_COM	-	Input	Common pin for Cannel-Freeze function input