

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
ID100 ~ ID115 : Isolated digital input of Group 0	ID106	4	54	ID107
	ID108	5	55	ID109
	ID110	6	56	ID111
ID116 ~ ID131 : Isolated digital input of Group 1	ID112	7	57	ID113
	ID114	8	58	ID115
ID132 ~ ID147 : Isolated digital input of Group 2	ECOM0	9	59	ECOM0
	ECOM0	10	60	ECOM0
	NC	11	61	NC
ID148 ~ ID163 : Isolated digital input of Group 3	NC	12	62	NC
	ID116	13	63	ID117
ECOM0 : External common input of Group 0	ID118	14	64	ID119
	ID120	15	65	ID121
ECOM1 : External common input of Group 1	ID122	16	66	ID123
	ID124	17	67	ID125
ECOM2 : External common input of Group 2	ID126	18	68	ID127
	ID128	19	69	ID129
ECOM3 : External common input of Group 3	ID130	20	70	ID131
	ECOM1	21	71	ECOM1
	ECOM1	22	72	ECOM1
	NC	23	73	NC
	NC	24	74	NC
	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-1754 I/O Connector Signal Description

Signal Name	Reference	Direction	Description
ID1<00...15>	PCOM0	Input	Isolated digital input of group 0
ID1<16...31>	PCOM1	Input	Isolated digital input of group 1
ID1<32...47>	PCOM2	Input	Isolated digital input of group 2
ID1<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

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ID100 ~ ID115 : Isolated digital input of Group 0	ID100	1	51	ID101
	ID102	2	52	ID103
ID116 ~ ID131 : Isolated digital input of Group 1	ID104	3	53	ID105
	ID106	4	54	ID107
IDO000 ~ IDO15 : Isolated digital output of Group 0	ID108	5	55	ID109
	ID110	6	56	ID111
IDO16 ~ IDO31 : Isolated digital output of Group 1	ID112	7	57	ID113
	ID114	8	58	ID115
ECOM0 : External common input of Group 0	ECOM0	9	59	ECOM0
	ECOM0	10	60	ECOM0
	NC	11	61	NC
ECOM1 : External common input of Group 1	NC	12	62	NC
	ID116	13	63	ID117
PCOM0 : External common output of Group 0	ID118	14	64	ID119
	ID120	15	65	ID121
PCOM1 : External common output of Group 1	ID122	16	66	ID123
	ID124	17	67	ID125
	ID126	18	68	ID127
	ID128	19	69	ID129
	ID130	20	70	ID131
NC : No connection	ECOM1	21	71	PCOM1
	ECOM1	22	72	PCOM1
IGND : Isolated ground	NC	23	73	NC
	NC	24	74	NC
	NC	25	75	NC
CH_FRZ_IN : Channel-Freeze input pin	IDO00	26	76	IDO01
	IDO02	27	77	IDO03
CH_FRZ_COM : Common pin for Cannel-Freeze input	IDO04	28	78	IDO05
	IDO06	29	79	IDO07
	IDO08	30	80	IDO09
	IDO10	31	81	IDO11
	IDO12	32	82	IDO13
	IDO14	33	83	IDO15
	PCOM0	34	84	PCOM0
	PCOM0	35	85	PCOM0
	IGND	36	86	IGND
	IGND	37	87	IGND
	IDO16	38	88	IDO17
	IDO18	39	89	IDO19
	IDO20	40	90	IDO21
	IDO22	41	91	IDO23
	IDO24	42	92	IDO25
	IDO26	43	93	IDO27
	IDO28	44	94	IDO29
	IDO30	45	95	IDO31
	PCOM1	46	96	PCOM2
	PCOM1	47	97	PCOM2
	IGND	48	98	IGND
	IGND	49	99	IGND
	CH_FRZ_IN	50	100	CH_FRZ_COM

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