

# PCI Express PCE-D122A-SN

**32 Ch. Isolated Digital IN**  
**32 Ch. Isolated Digital OUT**

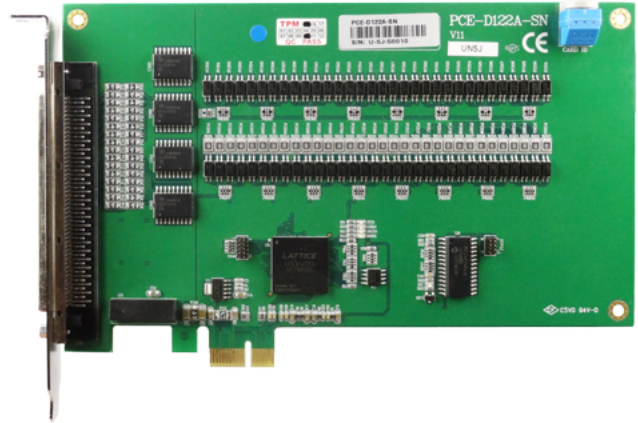
## Features

- PCI Express x1 compliant
- Board ID
- Keep digital outputs status after warm reboot
- Readable digital output signals

## Pin Definition

PCE-D122A

IN 0	01	51	IN 8	IN 9
IN 1	02	52	IN 10	IN 11
IN 2	03	53	IN 12	IN 13
IN 3	04	54	IN 14	IN 15
IN 4	05	55	IN 16	IN 17
IN 5	06	56	IN 18	IN 19
IN 6	07	57	IN 20	IN 21
IN 7	08	58	IN 22	IN 23
COM0	09	59	COM1	COM1
COM0	10	60	COM1	COM1
COM0	11	61	COM1	COM1
IN 16	12	62	IN 24	IN 25
IN 17	13	63	IN 26	IN 27
IN 18	14	64	IN 28	IN 29
IN 19	15	65	IN 30	IN 31
IN 20	16	66	COM2	COM3
IN 21	17	67	COM2	COM3
IN 22	18	68	COM2	COM3
IN 23	19	69	COM2	COM3
COM2	20	70	NC	NC
COM2	21	71	OUT 0	OUT 8
COM2	22	72	OUT 1	OUT 9
COM2	23	73	OUT 2	OUT 10
COM2	24	74	OUT 3	OUT 11
NC	25	75	OUT 4	OUT 12
OUT 0	26	76	OUT 5	OUT 13
OUT 1	27	77	OUT 6	OUT 14
OUT 2	28	78	OUT 7	OUT 15
OUT 3	29	79	+COM0	+COM1
OUT 4	30	80	-COM0	-COM1
OUT 5	31	81	-COM0	-COM1
OUT 6	32	82	-COM0	-COM1
OUT 7	33	83	OUT 16	OUT 24
+COM0	34	84	OUT 17	OUT 25
-COM0	35	85	OUT 18	OUT 26
-COM0	36	86	OUT 19	OUT 27
-COM0	37	87	OUT 20	OUT 28
OUT 16	38	88	OUT 21	OUT 29
OUT 17	39	89	OUT 22	OUT 30
OUT 18	40	90	OUT 23	OUT 31
OUT 19	41	91	+COM2	+COM3
OUT 20	42	92	-COM2	-COM3
OUT 21	43	93	-COM2	-COM3
OUT 22	44	94	-COM2	-COM3
OUT 23	45	95	5V OUT	5V OUT
+COM2	46	96		
-COM2	47	97		
-COM2	48	98		
-COM2	49	99		
5V OUT	50	100		



## Specification

### Digital I/O Interface

Surge protection	10KV
I/O isolation voltage	3750Vrms
Input impedance	5.6KΩ/0.5W
Input logic	Logic 0: 0V to 1.5V Logic 1: 5V to 24V
Input types	NPN / PNP
Output types	NPN open collector darlington transistors
Switch capacity	Each output Ch. is 350mA at 24VDC
Response time	On to Off, about 50µs Off to On, about 10µs
I/O pin type	Optically isolated with 3750Vrms on all SCSI 100 pin

### General

Specifications	1-lane 2.5 Gb/s PCI Express
Power consumption	3.3VDC at 430mA, 12VDC at 55mA typical
Working temperature	0 to 60°C

### Ordering information

- **PCE-D122A-SN**  
32 Ch./ 32 Ch. Digital input / output with NPN type
- **107-T160-DUM**  
General-Purpose Terminal Board
- **107-T161-DUM**  
General-Purpose Terminal Board
- **SCB-166-20A**  
SCSI 100 pin, 2M