

1 Package

- One DB-16P8R Daughter board
- One CA-5015 Cable
- One User's Guide(this document)

2 Jumper Setting

- JP Setting



Select Isolated D/I



Select Non-Isolated D/I

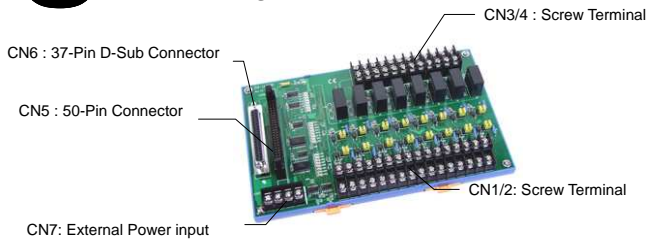
➤ LEDs and Jumper Mapping

OPTO-22	LEDs	Relays / DIs	CON5(50-pin)	CON6(30-pin)
PA0	LED0	Relay-0	Pin-47	Pin-37
PA1	LED1	Relay-1	Pin-45	Pin-36
PA2	LED2	Relay-2	Pin-43	Pin-35
PA3	LED3	Relay-3	Pin-41	Pin-34
PA4	LED4	Relay-4	Pin-39	Pin-33
PA5	LED5	Relay-5	Pin-37	Pin-32
PA6	LED6	Relay-6	Pin-35	Pin-31
PA7	LED7	Relay-7	Pin-33	Pin-30
PB0	LED8	DI-8 JP8	Pin-31	Pin-10
PB1	LED9	DI-9 JP9	Pin-29	Pin-9
PB2	LED10	DI-10 JP10	Pin-27	Pin-8
PB3	LED11	DI-11 JP11	Pin-25	Pin-7
PB4	LED12	DI-12 JP12	Pin-23	Pin-6
PB5	LED13	DI-13 JP13	Pin-21	Pin-5
PB6	LED14	DI-14 JP14	Pin-19	Pin-4
PB7	LED15	DI-15 JP15	Pin-17	Pin-3
PC0	LED16	DI-16 JP16	Pin-15	Pin-29
PC1	LED17	DI-17 JP17	Pin-13	Pin-28
PC2	LED18	DI-18 JP18	Pin-11	Pin-27
PC3	LED19	DI-19 JP19	Pin-9	Pin-26
PC4	LED20	DI-20 JP20	Pin-7	Pin-25
PC5	LED21	DI-21 JP21	Pin-5	Pin-24
PC6	LED22	DI-22 JP22	Pin-3	Pin-23
PC7	LED23	DI-23 JP23	Pin-1	Pin-22

NOTE

1. JP8 to JP23 select isolated / non-isolated digital input.
2. JP8 select DI-8
3. JP9 select DI-9
4.
5. JP23 select DI-23

3 Pin Assignments

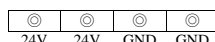


- CON5: 50-pin flat-cable connector
- CON6: 37-pin D-Sub connector

Pin	Name	Pin	Name
1	PC7	2	GND
3	PC6	4	GND
5	PC5	6	GND
7	PC4	8	GND
9	PC3	10	GND
11	PC2	12	GND
13	PC1	14	GND
15	PC0	16	GND
17	PB7	18	GND
19	PB6	20	GND
21	PB5	22	GND
23	PB4	24	GND
25	PB3	26	GND
27	PB2	28	GND
29	PB1	30	GND
31	PB0	32	GND
33	PA7	34	GND
35	PA6	36	GND
37	PA5	38	GND
39	PA4	40	GND
41	PA3	42	GND
43	PA2	44	GND
45	PA1	46	GND
47	PA0	48	GND
49	VCC	50	GND

Pin	Name	Pin	Name
1	N.C	20	VCC
2	N.C.	21	GND
3	PB7	22	PC7
4	PB6	23	PC6
5	PB5	24	PC5
6	PB4	25	PC4
7	PB3	26	PC3
8	PB2	27	PC2
9	PB1	28	PC1
10	PB0	29	PC0
11	GND	30	PA7
12	N.C	31	PA6
13	GND	32	PA5
14	N.C.	33	PA4
15	GND	34	PA3
16	N.C.	35	PA2
17	GND	36	PA1
18	VCC	37	PA0
19	GND	XXX	N/A

- CON7: Ext Power connector



4 Additional Information

- CN1/2:

CN2	V23-	V23+	V21-	V21+	V19-	V19+	V17-	V17+	V15-	V15+	V13-	V13+	V11-	V11+	V9-	V9+
CN1	V22-	V22+	V20-	V20+	V18-	V18+	V16-	V16+	V14-	V14+	V12-	V12+	V10-	V10+	V08-	V08+

- CN3/4:

CN4	NO7	NC7	CM7	NO5	NC5	CM5	NO3	NC3	CM3	NO1	NC1	CM1
CN3	NO6	NC6	CM6	NO4	NC4	CM4	NO2	NC2	CM2	NO0	NC0	CM0

- ✓ DB-16P8R Product Page:

http://www.icpdas.com/products/DAQ/screw_terminal/db_16p8r.htm

- ✓ Document:

CD:\NAPDOS\Daughter_Board
http://www.icpdas.com/download/Daughter_Board/dbdio.pdf

ICP DAS Web Page

<http://www.icpdas.com>



- Technical support
- Supplies and ordering information
- Ways to enhance your device
- FAQ
- Application story

Contact Us

Service@icpdas.com

Copyright ©2008 by ICP DAS Co., Ltd. All right are reserved

1 檢查配件

- 一張 DB-16P8R 端子板
- 一條 CA-5015 排線
- 一張使用者指南(本文件)

2 跳線器設定

- JP 設定

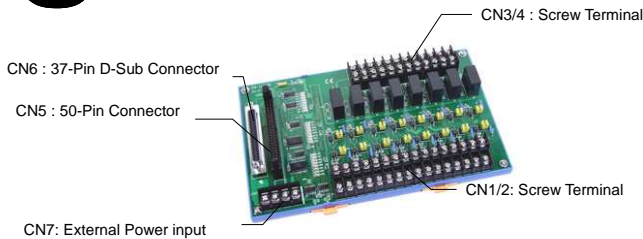


設定 Select Isolated D/I



設定 Select Non-Isolated D/I

3 腳位定義

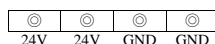


- CON5: 50-pin flat-cable connector
- CON6: 37-pin D-Sub connector

Pin	Name	Pin	Name
1	PC7	2	GND
3	PC6	4	GND
5	PC5	6	GND
7	PC4	8	GND
9	PC3	10	GND
11	PC2	12	GND
13	PC1	14	GND
15	PC0	16	GND
17	PB7	18	GND
19	PB6	20	GND
21	PB5	22	GND
23	PB4	24	GND
25	PB3	26	GND
27	PB2	28	GND
29	PB1	30	GND
31	PB0	32	GND
33	PA7	34	GND
35	PA6	36	GND
37	PA5	38	GND
39	PA4	40	GND
41	PA3	42	GND
43	PA2	44	GND
45	PA1	46	GND
47	PA0	48	GND
49	VCC	50	GND

Pin	Name	Pin	Name
1	N.C	20	VCC
2	N.C.	21	GND
3	PB7	22	PC7
4	PB6	23	PC6
5	PB5	24	PC5
6	PB4	25	PC4
7	PB3	26	PC3
8	PB2	27	PC2
9	PB1	28	PC1
10	PB0	29	PC0
11	GND	30	PA7
12	N.C	31	PA6
13	GND	32	PA5
14	N.C.	33	PA4
15	GND	34	PA3
16	N.C.	35	PA2
17	GND	36	PA1
18	VCC	37	PA0
19	GND	XXX	N/A

- CON7: Ext Power connector



➢ LEDs 及 Jumper Mapping

OPTO-22	LEDs	Relays / DIs	CON5(50-pin)	CON6(30-pin)
PA0	LED0	Relay-0	Pin-47	Pin-37
PA1	LED1	Relay-1	Pin-45	Pin-36
PA2	LED2	Relay-2	Pin-43	Pin-35
PA3	LED3	Relay-3	Pin-41	Pin-34
PA4	LED4	Relay-4	Pin-39	Pin-33
PA5	LED5	Relay-5	Pin-37	Pin-32
PA6	LED6	Relay-6	Pin-35	Pin-31
PA7	LED7	Relay-7	Pin-33	Pin-30
PB0	LED8	DI-8	JP8	Pin-31
PB1	LED9	DI-9	JP9	Pin-29
PB2	LED10	DI-10	JP10	Pin-27
PB3	LED11	DI-11	JP11	Pin-25
PB4	LED12	DI-12	JP12	Pin-23
PB5	LED13	DI-13	JP13	Pin-21
PB6	LED14	DI-14	JP14	Pin-19
PB7	LED15	DI-15	JP15	Pin-17
PC0	LED16	DI-16	JP16	Pin-15
PC1	LED17	DI-17	JP17	Pin-13
PC2	LED18	DI-18	JP18	Pin-11
PC3	LED19	DI-19	JP19	Pin-9
PC4	LED20	DI-20	JP20	Pin-7
PC5	LED21	DI-21	JP21	Pin-5
PC6	LED22	DI-22	JP22	Pin-3
PC7	LED23	DI-23	JP23	Pin-1

NOTE

6. JP8 to JP23 select isolated / non-isolated digital input.
7. JP8 select DI-8
8. JP9 select DI-9
9.
10. JP23 select DI-23

➢ CN1/2:

CN2	V23-	V23+	V21-	V21+	V19-	V19+	V17-	V17+	V15-	V15+	V13-	V13+	V11-	V11+	V9-	V9+
CN1	V22-	V22+	V20-	V20+	V18-	V18+	V16-	V16+	V14-	V14+	V12-	V12+	V10-	V10+	V08-	V08+

➢ CN3/4:

CN4	NO7	NC7	CM7	NO5	NC5	CM5	NO3	NC3	CM3	NO1	NC1	CM1
CN3	NO6	NC6	CM6	NO4	NC4	CM4	NO2	NC2	CM2	NO0	NC0	CM0

4 參考資訊

- ✓ DB-16P8R 產品網頁:

http://www.icpdas.com/products/DAQ/screw_terminal/db_16p8r.htm

- ✓ 相關文件位置:

CD:\NAPDOS\Daughter_Board

http://www.icpdas.com/download/Daughter_Board/dbdio.pdf

泓格科技(ICP DAS)主網頁

<http://www.icpdas.com>

- 專業技術支援
- 代理商及訂購資訊
- 增強設備功能的相關資訊
- 常見問題
- 應用案例



聯絡方式

Service@icpdas.com

Copyright ©2008 by ICP DAS Co., Ltd. All right are reserved