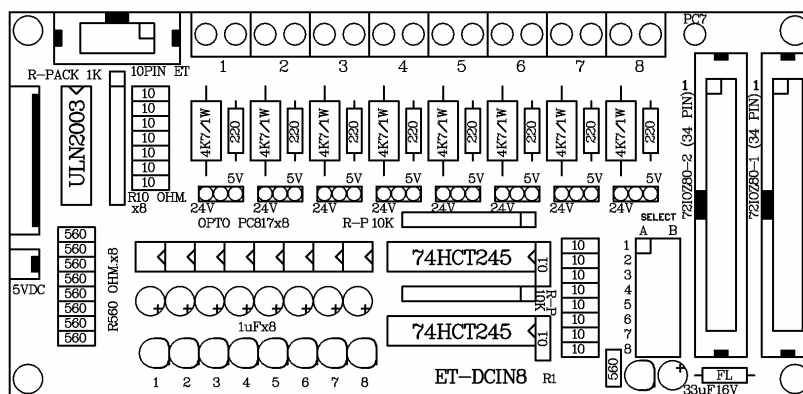


ET-DCIN8

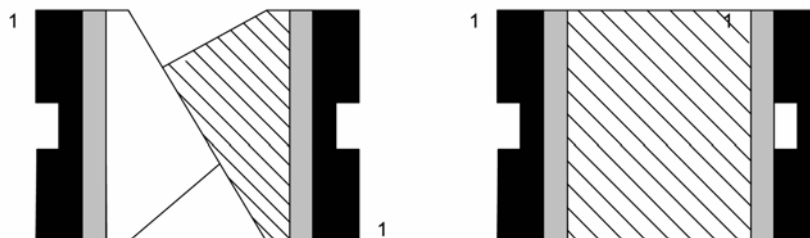
Board **ET-DCIN8** is designed to interface with I/O PORT 8255 34PIN (ETT's standard) or other ETT Board versions that have Port Connector 34 Pin or I/O PORT 10PIN ET (ETT's standard).

It is 8 Bit Input Board that can receive 2 DC levels: 5VDC and 24VDC and is designed to be **Photo-Coupled Isolation** to protect external interrupt access into the connective board controller. Moreover, there's Output 7 Bit **Darlington Open Collector 500 mA** that can drive RELAY circuit directly.



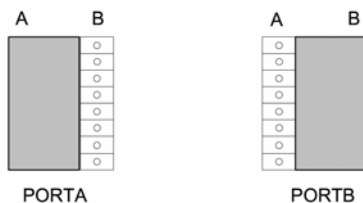
**To interface Board ET-DCIN8 with ETT board versions**

We can interface Board ET-DCIN8 with ETT Board versions through Connector (72I0Z80) ETT standard. For connection, user must interface Pin 1(34Pin) of Board ET-DCIN8 to be corresponding with Pin 1 (34Pin) of the connective board or can interface with

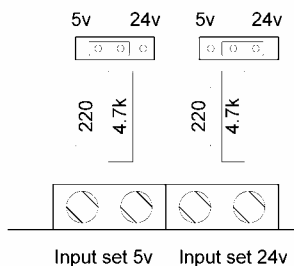


**To Set Up Jumpers of Board ET-DCIN8**

There's 2 Sets of Jumper for Board ET-DCIN8. We use the first set Jumper to configure Port 8255 for receiving signal INPUT through whether Port: PORTA or PORTB as the picture below. So, we can interface signal INPUT from 2 Boards ET-DCIN8 per a set of Connector 34PIN. Remember, we do not set Jumper on one board ET-DCIN8 to be corresponding with other one board. In case of interfacing board through Connector 10PIN ET, we can not select both PORTA and PORTB.

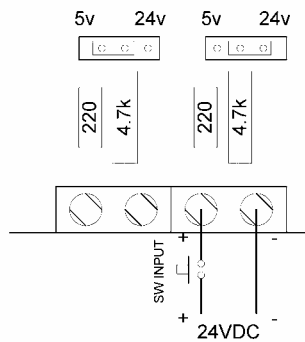


We use the second set Jumper to set the receiving signal level to be 5VDC or 24VDC as the picture below.



**The sample of receiving signal INPUT of Board ET-DCIN8**

We can interface Signal Input both 5VDC and 24VDC into board ET-DCIN8. The sample program below is an application of interfacing Switch for controlling ON/OFF as the picture below.



**To Interface OUTPUT ULN2003**

Board ET-DCIN8 has OUTPUT 7 Bit that is interfaced with PORTC of Connector 34Pin (72IOZ80) ETT standard and each OUTPUT can receive current 500mA 50VDC as the sample below. In case of interfacing board through Connector 10Pin ET, we can not use the part of this OUTPUT.

