

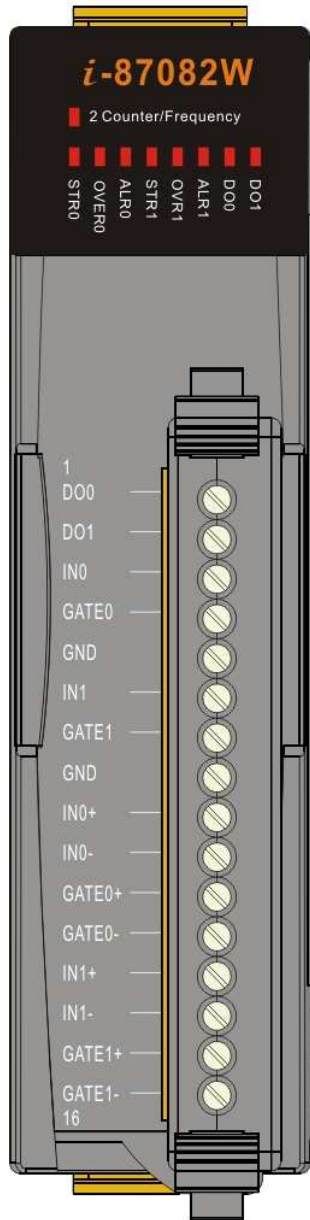
# I-87082W Hardware User Guide *Ver 1.0*

*Last Modified 02/01/2008*

## ***I-87082W Specifications***

<b>32 bits Counter/Frequency Input Module</b>		
<b>Counter/ Frequency Input</b>	<b>Input Channel</b>	2
	<b>Input Frequency</b>	1Hz~100KHz
	<b>Isolation input</b>	On voltage level: +3.5V to +30V Off voltage level: +1V Max.
	<b>Non-isolation input</b>	On voltage level: 0 to +5V (Default >2.4V) Off voltage level: 0 to +5V (Default <0.8V) Threshold voltage level: Programmable
	<b>Max. Counts</b>	32-bits (4,294,967,295)
	<b>Digital Filter</b>	2uS to 65mS, Programmable
	<b>Programmable Updated time for Frequency Inputs</b>	1.0/0.1sec
	<b>Programmable Alarm Mode</b>	Mode 0 : High Alarm Comparator on Counter 0 and Counter 1 Mode 1 : Two Step High Alarm Comparator on Counter 1
<b>Digital Output</b>	<b>Output Channels</b>	2
	<b>Output Type</b>	Non-isolated Open-collector
	<b>Max. Load Current</b>	30 mA/ channel
	<b>Load Voltage</b>	5 ~ 30VDC
<b>LED display</b>		1 LED as Power/ Communication Indicator 8 LEDs as status indicators
<b>Power Consumption</b>		0.5W

# I-87082W Pin Assignment

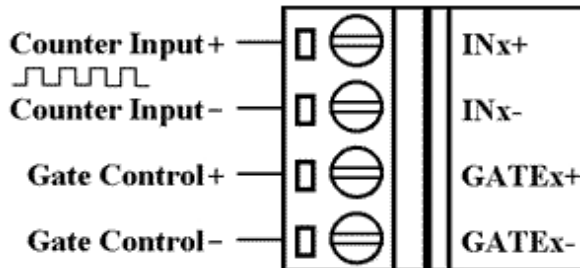


Terminal No.	Pin Assignment Name
01	DO0
02	DO1
03	IN0
04	GATE0
05	GND
06	IN1
07	GATE1
08	GND
09	IN0+
10	IN0-
11	GATE0+
12	GATE0-
13	IN1+
14	IN1-
15	GATE1+
16	GATE1-

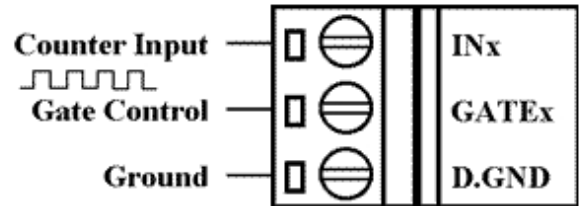
# I-87082W Wire Connection Type

## Wire Connection Counter Type

Isolation

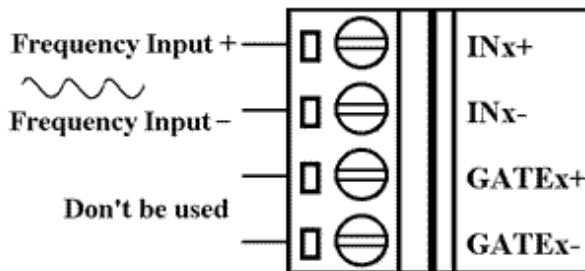


Non-isolation

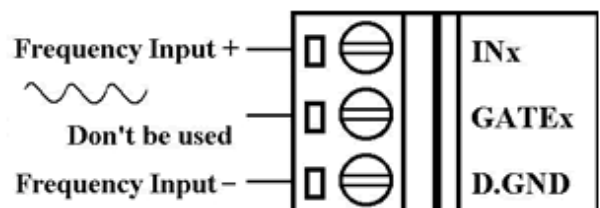


## Frequency Type

Isolation



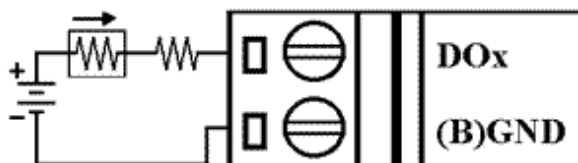
Non-isolation



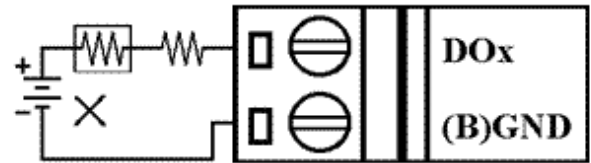
## Output Type

### Resistance Load

ON State

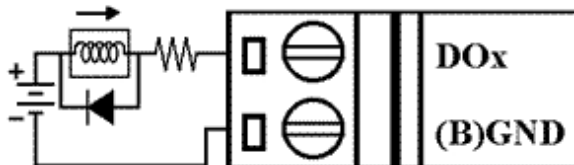


OFF State

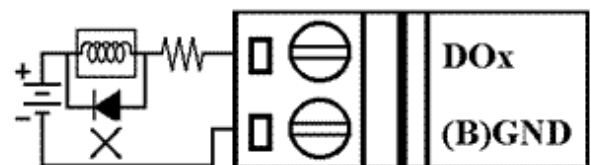


### Inductance Load

ON State



OFF State



# I-87082W Internal I/O Structure

