

I-87082 Hardware User Guide *Ver 1.1*

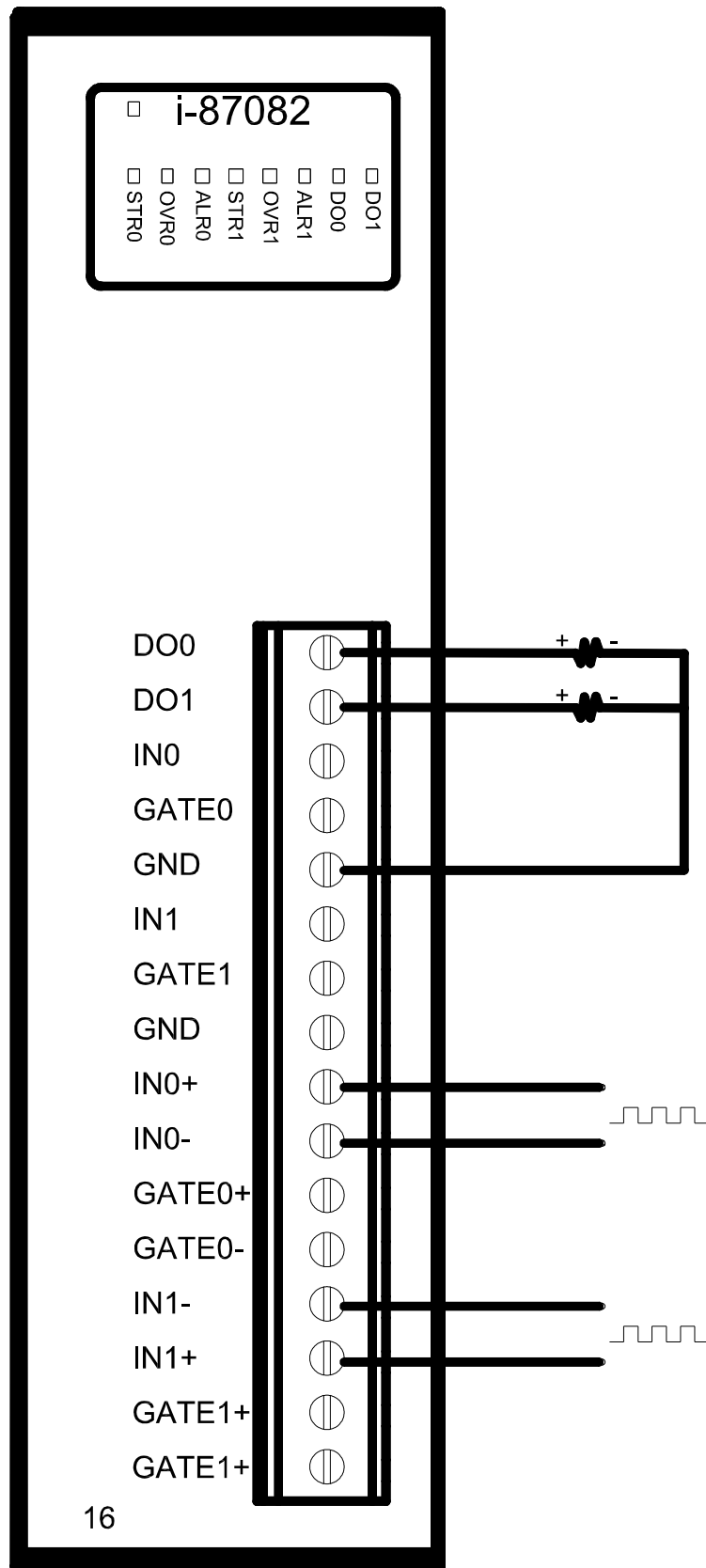
Last Modified 05/14/2007

Specifications

Counter & Frequency Module

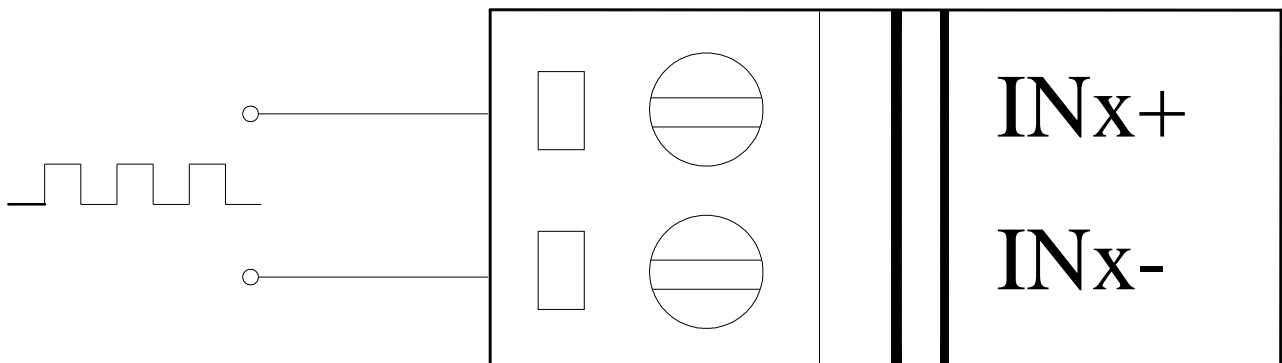
<i>Digital Input</i>	<i>Input Channel</i>	2
	<i>Input Type</i>	<i>Isolated or non-isolated Programmable</i>
	<i>Digital Filter</i>	<i>2us to 65ms Programmable</i>
<i>Isolated-Digital Input</i>	<i>Logic level 0</i>	<i>+1V max</i>
	<i>Logic level 0</i>	<i>+3.5V to +30V</i>
	<i>Isolation Voltage</i>	<i>3750Vrms</i>
<i>NonIsolated Digital Input</i>	<i>Logic level 0</i>	<i>+0.1V to +5.0V, Default 0.8V Programmable</i>
	<i>Logic level 0</i>	<i>+0.1V to +5.0V, Default 2.4V Programmable</i>
<i>Frequency Measurement</i>	<i>Input Frequency</i>	<i>100K max</i>
	<i>Gate Time</i>	<i>1.0/0.1 sec</i>
<i>Digital Output</i>	<i>Output Channel</i>	<i>2 (Open-collector)</i>
	<i>Sink Current</i>	<i>30 mA max.</i>
	<i>Power Dissipation</i>	<i>300mW max.</i>
<i>LED Display</i>		<i>1 LED as Power indicator 8 LEDs as Status indicators</i>
<i>Power Consumption</i>		<i>Max : 1.0W</i>

I-87082 Wire Connection

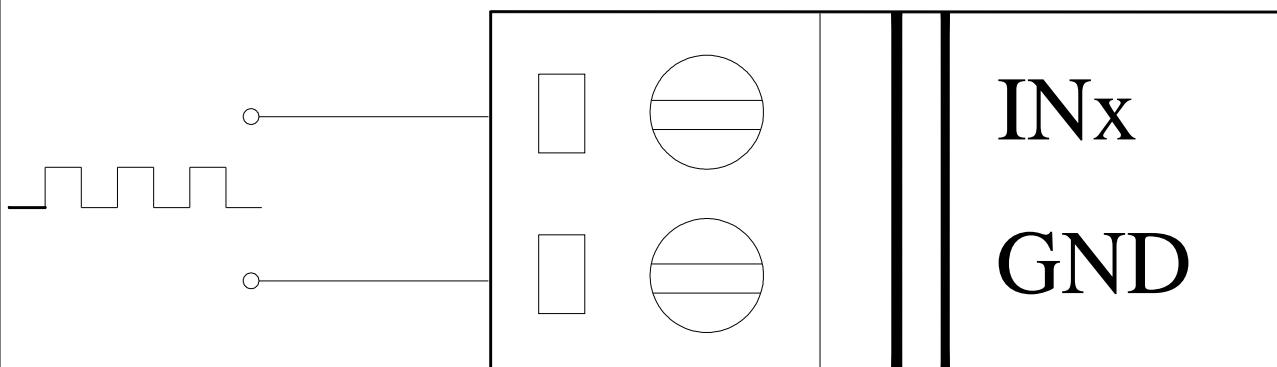


I-87082 Wire Connection Type

Isolation Input wiring



Non-isolation Input wiring

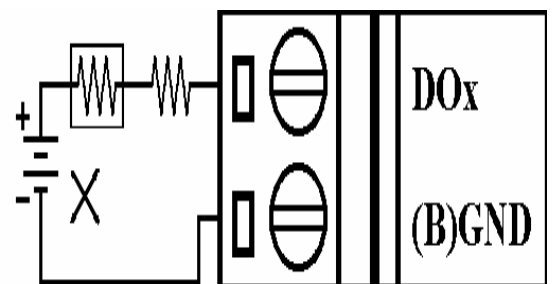
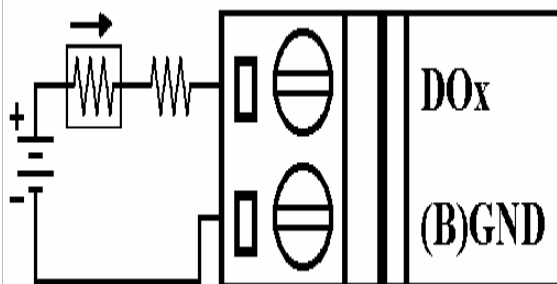


Output Type

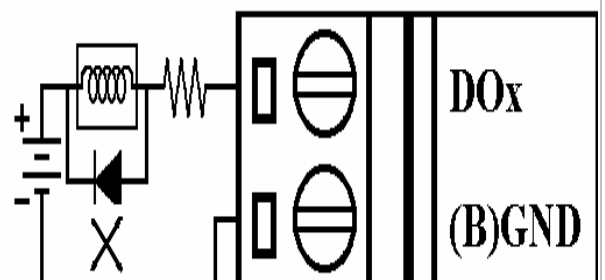
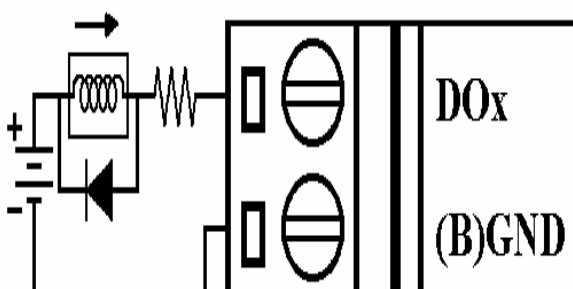
ON State
LED ON
Readback as 1

OFF State
LED OFF
Readback as 0

Resistance Load



Inductance Load



I-87082 Internal I/O Structure

