

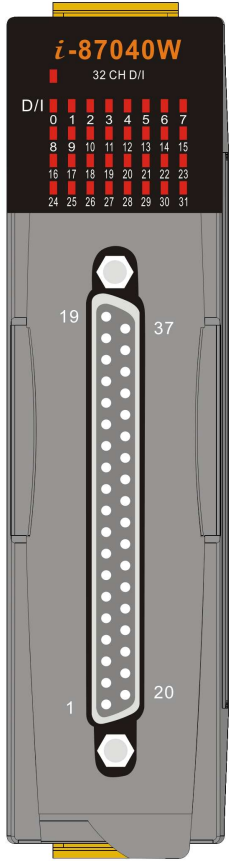
# I-87040W Hardware User Guide Ver 1.0

*Last Modified 05/25/2007*

## *I-87040W Specifications*

<b>Digital input Module</b>	
<b><i>Input Channels</i></b>	<b><i>32(Sink/Source)</i></b>
<b><i>Input Type</i></b>	<b><i>Isolated, One Common for All Digital Inputs</i></b>
<b><i>ON State</i></b>	<b><i>+3.5V~+30V</i></b>
<b><i>OFF State</i></b>	<b><i>+1V Max.</i></b>
<b><i>Isolation Voltage</i></b>	<b><i>3750 Vrms</i></b>
<b><i>4KV ESD Protection</i></b>	<b><i>Yes, contact for each terminal</i></b>
<b><i>LED Display</i></b>	<b><i>1 LED as Power/ Communication Indicator 32 LED as Digital Input Indicators</i></b>
<b><i>Power Consumption</i></b>	<b><i>1.6W max.</i></b>

# I-87040W Pin Assignment



The diagram shows the I-87040W module with a 32 CH D/I connector at the top and a 37-pin male D-Sub Connector at the bottom. The D/I connector pins are numbered 0 to 31. The D-Sub connector pins are numbered 01 to 37. The pin assignments are detailed in the table below.

Pin Assignment Name	Terminal No.	Pin Assignment Name	
COM	19	37	COM
NC	18	36	NC
NC	17	35	DI_31
DI_15	16	34	DI_30
DI_14	15	33	DI_29
DI_13	14	32	DI_28
DI_12	13	31	DI_27
DI_11	12	30	DI_26
DI_10	11	29	DI_25
DI_9	10	28	DI_24
DI_8	09	27	DI_23
DI_7	08	26	DI_22
DI_6	07	25	DI_21
DI_5	06	24	DI_20
DI_4	05	23	DI_19
DI_3	04	22	DI_18
DI_2	03	21	DI_17
DI_1	02	20	DI_16
DI_0	01		

37-pin male D-Sub Connector

# I-87040W Wire Connection Type

Input Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Relay Contact	Relay ON	Relay Off
TTL/CMOS Logic	Voltage < 1V	Voltage > 3.5V
NPN Output	Open Collector On	Open Collector Off
PNP Output	Open Collector On	Open Collector Off

# I-87040W Internal I/O Structure

