iL24 Digital Logic Interface

Hardware Reference

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Notices

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The iL24 module can communicate with external behavioral components using 24 bits of 5 V or 3.3 V TTL logic signals. There are 12 input bits and 12 output bits. Each direction has 4 addressable bits and 1 addressable byte.

- There are four bit-wise inputs and four bit-wise outputs available with BNC connectors and status light for each

- The DB25 connector has access to all 24 addressable bits

- Two rows of 8 status LEDs on the front panel show the state of the word input and output bits

- The front panel switch toggles between +3.3 V and +5 V logic for all 24 bits of I/O on the iL24

- Each bit can source up to 6 mA maximum current

For information on software control of the iL24, see the Synapse Manual.
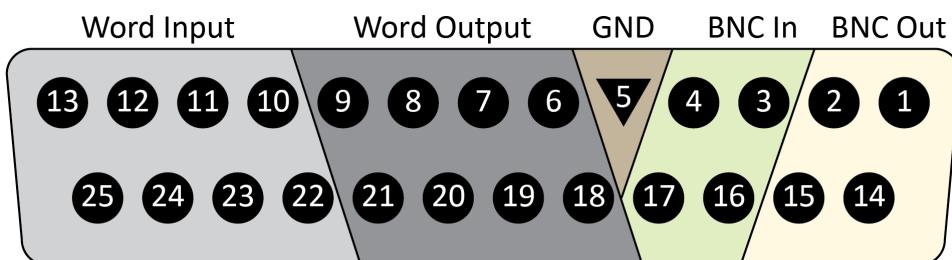
iL24m Manifold

The iL24 comes with a manifold of BNC connectors for easier access to the Word Input and Word Output bits.
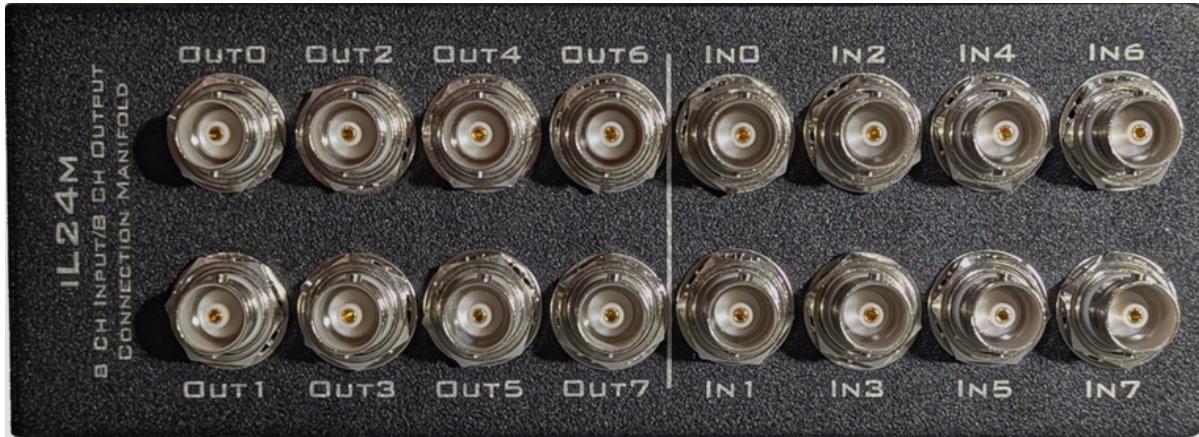
DB25 Pinout

iL24 pinout, looking into the connector

Pin	Name	Description	Pin	Name	Description
1	BO1	BNC Output	14	BO2	BNC Output
2	BO3		15	BO4	
3	BI1	BNC Input	16	BI2	BNC Input
4	BI3		17	BI4	
5	GND	Ground	18	DO0	Word Output
6	DO1	Word Output	19	DO2	
7	DO3		20	DO4	
8	DO5		21	DO6	
9	DO7		22	DI0	Word Input
10	DI1	Word Input	23	DI2	
11	DI3		24	DI4	
12	DI5		25	DI6	
13	DI7				