



## JI-4820TB Terminal Block Connector

The JI-4820TB terminal block connector is used to break-out all signals on the JI-820 Incremental Encoder Emulator.

### 1.0 Connector



### 2.0 Connection to JI-820 Incremental Encoder Emulator



\* 12" DB-9 Male/Female cable included with JI-4820TB order

### 3.0 Connectors

#### 3.1 Input – D-Sub

Connector type: 9-pin, male, D-sub

Signals:

Pin #	Direction	Signal Name	Description
1	-	-	No connect
2	Input	Z	Z (Index) Encoder Signal
3	Input	A	A Encoder Signal
4	Input	B	B Encoder Signal
5	-	RTN	GND – signal return
6	-	RTN	GND – signal return
7	-	-	No connect
8	-	-	No connect
9	-	-	No connect

#### 3.2 Output – Terminal Block

Connector type: 9-pin, Terminal Block

Signals:

Pin #	Direction	Signal Name	Description
1	Input	VPWR	Input Power Voltage Range: 5.0 to 30.0V
2	-	GND	GND – Signal/VPWR Return
3	Output	A	A Encoder Signal
4	Output	/A	Inverted A Encoder Signal
5	Output	B	B Encoder Signal
6	Output	/B	Inverted B Encoder Signal
7	Output	Z	Z Encoder Signal
8	Output	/Z	Inverted Z Encoder Signal
9	-	GND	GND – Signal/VPWR Return
GND	-	Shield	DB-9 Backshell connection