

## TXI I/O Pin Outs (MALE CONNECTORS ON TXI)

### Inputs / Outputs

Voltage Sense Inputs (Wet)			
A voltage sense input is activated when a voltage of 5 to 24VDC is applied to its connector pins. The input current is internally limited to a maximum of 6mA. The Voltage sense inputs are optically isolated from the model TXI circuit. To maintain the isolation between the external device and the TXI interface, the external device must supply the power for the inputs. If isolation is not required, or if the external device is not able to supply the power for the input, the +5V and circuit ground connections can be used to power the inputs.			
3	Opto-Isolated Inp #1 +	21	Opto-Isolated Inp #1 -
4	Opto-Isolated Inp #2 +	22	Opto-Isolated Inp #2 -
5	Opto-Isolated Inp #3 +	23	Opto-Isolated Inp #3 -
6	Opto-Isolated Inp #4 +	24	Opto-Isolated Inp #4 -
7	Opto-Isolated Inp #5 +	25	Opto-Isolated Inp #5 -
8	Opto-Isolated Inp #6 +	26	Opto-Isolated Inp #6 -
9	Opto-Isolated Inp #7 +	27	Opto-Isolated Inp #7 -
10	Opto-Isolated Inp #8 +	28	Opto-Isolated Inp #8 -
11	Opto-Isolated Inp #9 +	29	Opto-Isolated Inp #9 -
12	Opto-Isolated Inp #10 +	30	Opto-Isolated Inp #10 -
13	Opto-Isolated Inp #11 +	31	Opto-Isolated Inp #11 -
14	Opto-Isolated Inp #12 +	32	Opto-Isolated Inp #12 -
15	Opto-Isolated Inp #13 +	33	Opto-Isolated Inp #13 -
16	Opto-Isolated Inp #14 +	34	Opto-Isolated Inp #14 -
17	Opto-Isolated Inp #15 +	35	Opto-Isolated Inp #15 -
18	Opto-Isolated Inp #16+	36	Opto-Isolated Inp #16 -
1	TXI Chassis GND	20	TXI circuit GND
19	Current Limited +5V	37	TXI circuit GND

Contact Closure / Pull-to-Ground Inputs (Dry)			
A contact closure / pull-to-ground input is activated when the path between the parallel input + pin and the circuit ground pin is closed. The external device closing the path must be capable of switching 6mA. The open circuit voltage on the input + is 5 VDC			
3	Circuit Ground	21	Pull-to-ground Inp #1 +
4	Circuit Ground	22	Pull-to-ground Inp #2 +
5	Circuit Ground	23	Pull-to-ground Inp #3 +
6	Circuit Ground	24	Pull-to-ground Inp #4 +
7	Circuit Ground	25	Pull-to-ground Inp #5 +
8	Circuit Ground	26	Pull-to-ground Inp #6 +
9	Circuit Ground	27	Pull-to-ground Inp #7 +
10	Circuit Ground	28	Pull-to-ground Inp #8 +
11	Circuit Ground	29	Pull-to-ground Inp #9 +

12	Circuit Ground	30	Pull-to-ground Inp #10 +
13	Circuit Ground	31	Pull-to-ground Inp #11 +
14	Circuit Ground	32	Pull-to-ground Inp #12 +
15	Circuit Ground	33	Pull-to-ground Inp #13 +
16	Circuit Ground	34	Pull-to-ground Inp #14 +
17	Circuit Ground	35	Pull-to-ground Inp #15 +
18	Circuit Ground	36	Pull-to-ground Inp #16 +
1	TXI Chassis GND	20	TXI circuit GND
19	Current Limited +5V	37	TXI circuit GND

<b>Contact Closure Outputs (Dry)</b>			
The contact closure outputs are rated at a maximum of 50V, 0.5A and 10W			
<b>Pin #</b>	<b>Function</b>	<b>Pin #</b>	<b>Function</b>
3	Contact closure #1 a	21	Contact closure #1 b
4	Contact closure #2 a	22	Contact closure #2 b
5	Contact closure #3 a	23	Contact closure #3 b
6	Contact closure #4 a	24	Contact closure #4 b
7	Contact closure #5 a	25	Contact closure #5 b
8	Contact closure #6 a	26	Contact closure #6 b
9	Contact closure #7 a	27	Contact closure #7 b
10	Contact closure #8 a	28	Contact closure #8 b
11	Contact closure #9 a	29	Contact closure #9 b
12	Contact closure #10 a	30	Contact closure #10 b
13	Contact closure #11 a	31	Contact closure #11 b
14	Contact closure #12 a	32	Contact closure #12 b
15	Contact closure #13 a	33	Contact closure #13 b
16	Contact closure #14 a	34	Contact closure #14 b
17	Contact closure #15 a	35	Contact closure #15 b
18	Contact closure #16 a	36	Contact closure #16 b
1	TXI Chassis GND	20	TXI circuit GND
19	Current Limited +5V	37	TXI circuit GND