

# QUAD TRON, INC.

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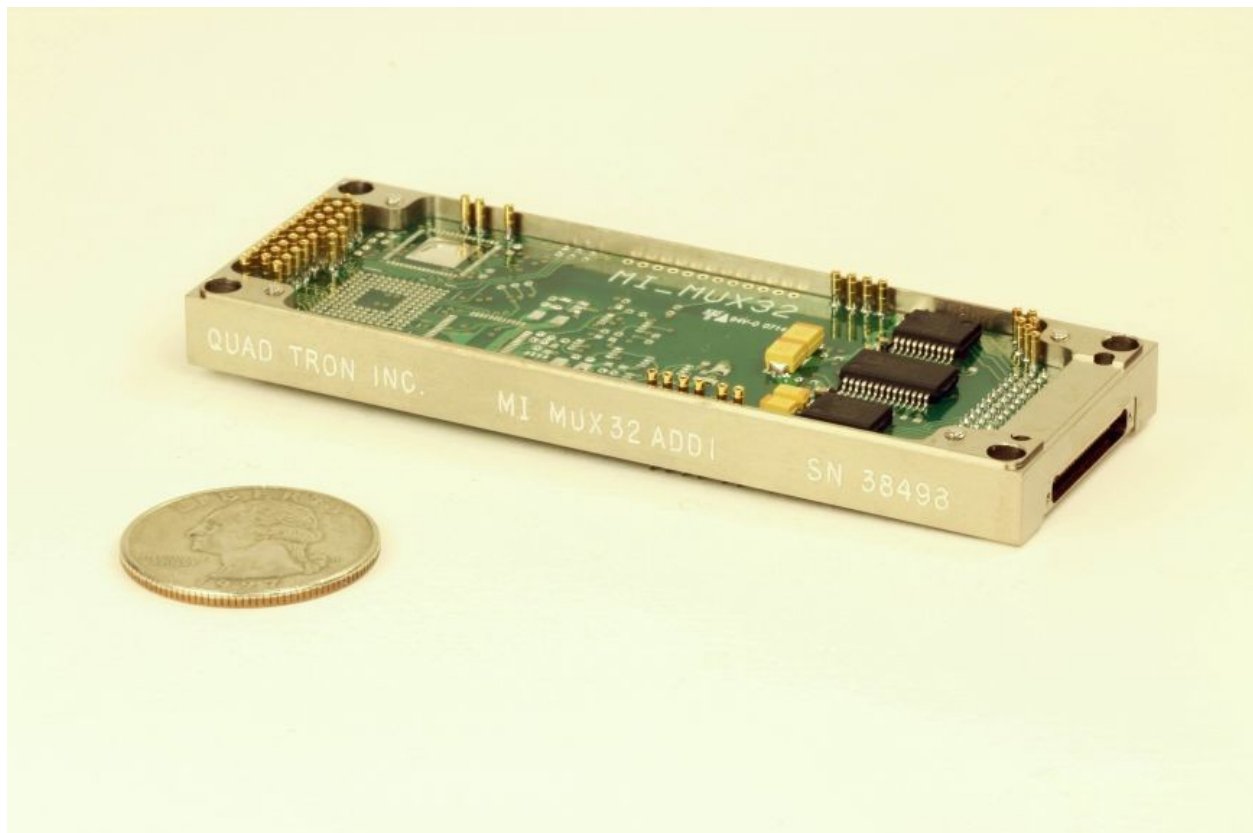
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## MICRO PCM ENCODER SERIES

**MODEL MI\_MUX32\_ADD1, Channels 33 up to 64**  
**MI\_MUX32\_ADD2, Channels 65 up to 96**  
**MI\_MUX32\_ADD3, Channels 97 up to 128**

### **32 CHANNEL HIGH LEVEL, SINGLE ENDED MULTIPLEXER ADD ON MODULES**

The add on modules were designed only to be used with the MI\_MUX32 module. Each of these 3 modules allow the addition of 32 channels to the MI\_MUX32 module.



## **Electrical Specifications:**

### **Analog Inputs:**

32 High Level, Single Ended Inputs.

Expandable up to 128 Channels, in increments of 32 by adding 32 channel modules.

Each Channel individually software programmable for  $\pm 2.5$  Volts In or 0+5 Volts In.

Maximum Input  $\pm 40$  volts will not damage any analog input. 32 High Level, Single Ended Inputs.

Expandable up to 128 Channels, in increments of 32 by adding 32 channel modules.

### **A/D:**

16 Bits, up to 1 Meg sample per second.

### **Environmental:**

Operating Temperature:	-40°C to +85°C
Storage Temperature:	-55°C to +125°C
Humidity:	Relative humidity of 85% for two hours at 65°C.
Altitude:	Unlimited
Vibration:	20g's RMS from 5 to 2000Hz in each major axis.
Acceleration:	Constant acceleration of 100g's in each axis.
Shock:	100g's for 10m second in each major axis.

### **Mechanical:**

Size:		
	inches	mm
Length	3.50	88.9
Width	1.25	31.75
Height	0.291	7.39
Weight:	24 g	

### **Engraving:**

MI\_MUX32\_ADD1  
MI\_MUX32\_ADD2  
MI\_MUX32\_ADD3

*NOTE: The add on modules "MUST STACK ON TOP" of the MI\_MUX32 module.*

## MI\_MUX32\_ADD1,2,3 PINOUT:

### J1 pin Connections

Connector P.N.: Nanonics # STMO51M6HN; TYCO # 4-1589487-5  
Mate P.N.: Nanonics # STMO51PC2DC018N; TYCO # 7-1589474-9

<u>PIN</u>	<u>SIGNAL</u>	<u>PIN</u>	<u>SIGNAL</u>	<u>PIN</u>	<u>SIGNAL</u>
1	IN1	19	IN14	42	AGND
2	IN2	20	IN13	43	AGND
3	IN3	21	IN12	44	IN24
4	IN4	22	IN11	45	IN23
5	IN5	23	IN10	46	IN22
6	IN6	24	IN9	47	IN21
7	IN7	25	IN25	48	IN20
8	IN8	26	IN26	49	IN19
9	AGND	27	IN27	50	IN18
15	DGND	28	IN28	51	IN17
16	AGND	29	IN29		
17	IN16	30	IN30		
18	IN15	31	IN31		
		32	IN32		
		33	AGND		
		34	AGND		