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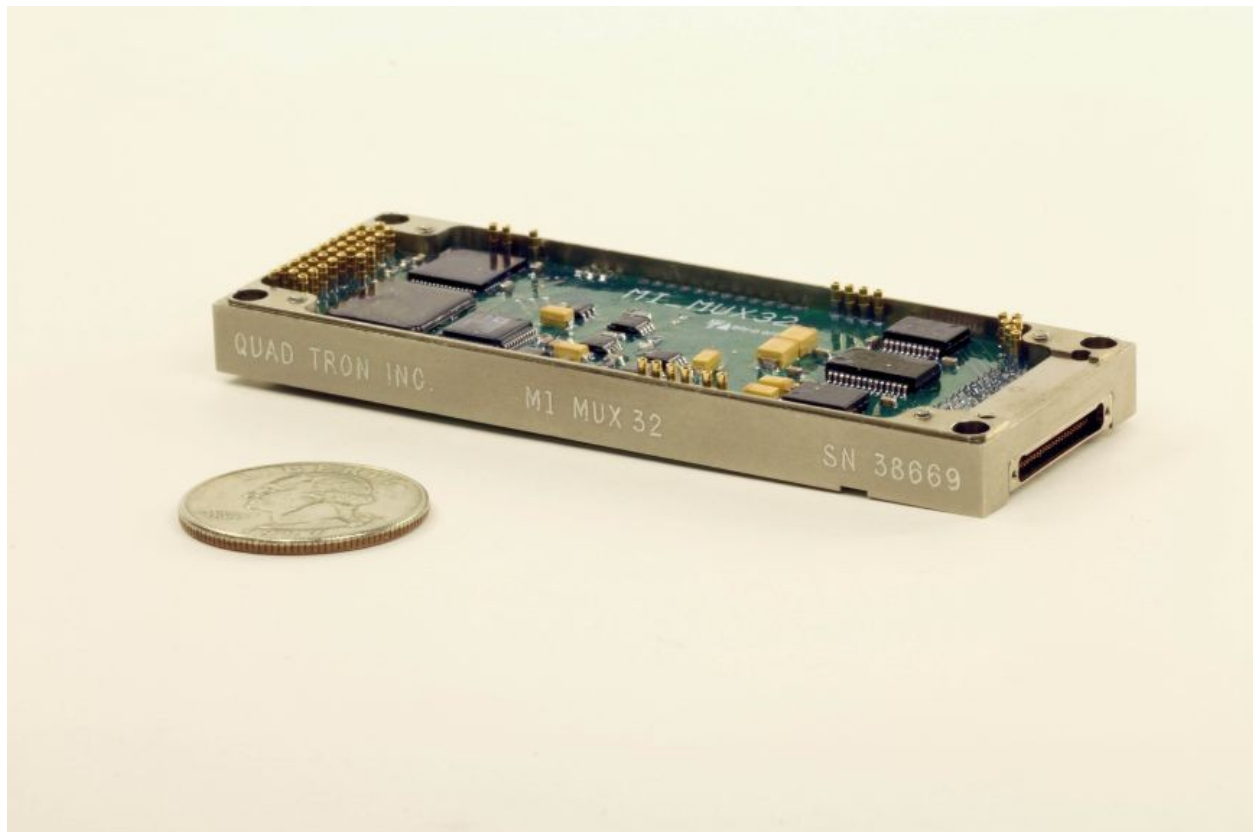
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MICRO PCM ENCODER SERIES MODEL MI_MUX32

32 CHANNEL, HIGH LEVEL, SINGLE ENDED MULTIPLEXER MODULE, EXPANDABLE TO 128 CHANNELS

The 32 channel high level, single ended multiplexer is intended for signals already signal conditioned. The 32 Channels can be expanded to 128 Channels by adding another three (3) 32 Channel modules on top. Each input can accept voltage from various system sources including batteries, transducers, sensors, and other preconditioned analog signals. These signals are multiplexed and encoded into data words for transmission in a PCM output format.



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 ± 2.5 Volts In or 0+5 Volts In.

Maximum Input ± 40 volts will not damage any analog input.

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

ADD ON MODULES: MI_MUX32_ADD1, Channels 33 up to 64
MI_MUX32_ADD2, Channels 65 up to 96
MI_MUX32_ADD3, Channels 97 up to 128

MI_MUX32 PINOUT:

Connector P.N.:
Mate P.N.:

Nanonics # STMO51M6HN; TYCO # 4-1589487-5
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	38	TMS_CPLD
2	IN2	20	IN13	39	STP0
3	IN3	21	IN12	40	STP1
4	IN4	22	IN11	41	STP2
5	IN5	23	IN10	42	AGND
6	IN6	24	IN9	43	AGND
7	IN7	25	IN25	44	IN24
8	IN8	26	IN26	45	IN23
9	AGND	27	IN27	46	IN22
10	TDI_ATMEL1	28	IN28	47	IN21
11	TDO_ATMEL1	29	IN29	48	IN20
12	TMS_ATMEL1	30	IN30	49	IN19
13	TCK_ATMEL1	31	IN31	50	IN18
14	RESET_ATMEL1_N	32	IN32	51	IN 17
15	DGND	33	AGND		
16	AGND	34	AGND		
17	IN16	35	TDO_CPLD		
18	IN15	36	TDI_CPLD		
		37	TCK_CPLD		