

SISMTB Time Base Module

The Seascan Inc. SISMTB is a low-power, high-accuracy time base module with a primary 125 MHz reference output, a derived 1PPS output, and a variety of optional and configurable features.

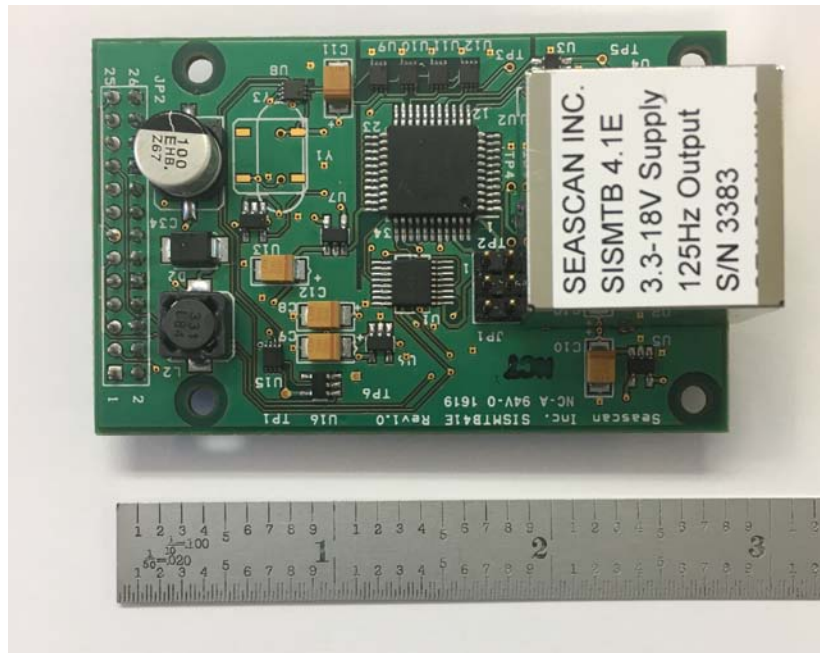
Specifications

		MIN	TYP	MAX	UNIT
Power-supply voltage	VSYS to GND	3		18	VDC
Power Dissipation	PLL Off		5		mW
	PLL On	frequency dependent			
	PLL On, 12.288 MHz		30		mW
Short term jitter			1		μs
Long Term stability			20	50	ppb
Operating ambient temperature		-5		35	°C

Dimensions: 1.8x2.8x0.9 inches

Connector:

Samtec header, multiple pin heights available. See ordering information. Notional mating part is Samtec SLW-113-01-S-D, but many compatible options exist.



Specifications subject to change without notice.



Part Numbers and Ordering Information

Base Part Number – Hardware Rev –

SISMTB -1

Configuration –

Blank = Standard configuration: 8-digit corrections, no PLL

-A8 = 8-digit corrections, 12.288 MHz PLL

-B8 = 8-digit corrections, 10 MHz PLL

-C8 = 8-digit corrections, 2 KHz Derived Output version

-D6 = 6-digit corrections, 4.096 MHz PLL

-E6 = 6-digit corrections, 8.192 MHz PLL

-F6 = 6-digit corrections, Time string output

1PPS Low Level Output –	Header Pin Height –
Blank = Open Collector 1 PPS output	-105 = TSW-113-05-G-D, 0.105” pins
-1PPS2V = Low Level (0-2V) PPS output ¹	-230 = TSW-113-23-G-D, 0.230” pins
	-320 = TSW-113-14-G-D, 0.320” pins

¹ Not available on the Time String Output version

Examples:	
SISMTB-1-105	Standard configuration, no PLL, open collector 1PPS, 0.105” pins
SISMTB-1-A8-230	Standard configuration, 12.288 MHz PLL, 0.230” pins
SISMTB-1-E6-1PPS2V-320	6-digit corrections with 8.192 MHz, and low level 1PPS, 0.320” pins