Gemini Data Sheet

Tinytag Plus Re-ed Count for OEMs
TGPR-1200

Issue 7: 27th February 2003
E&OE

Connection Details

3, VBAT :	Battery +ve
4, N.C. :	Reserved
5, GLED :	Green LED anode
6, RLED :	Red LED anode
7, TX-B :	RS-232 Transmit
8, NC :	Reserved
9, RX-A :	RS-232 Receive
10, NC :	Reserved
11 :	Do not connect
12, NC :	Reserved
13 :	Do not connect
14 :	Do not connect
15 :	Do not connect
16 :	Do not connect
17, GND :	Power and signal 0V
18, IN :	Count Signal Input

Note:
PCB edge mates with 0.1" IDC female edge connector such as RS Part No. 471-317. Refer to manual for full electrical spec.

Features

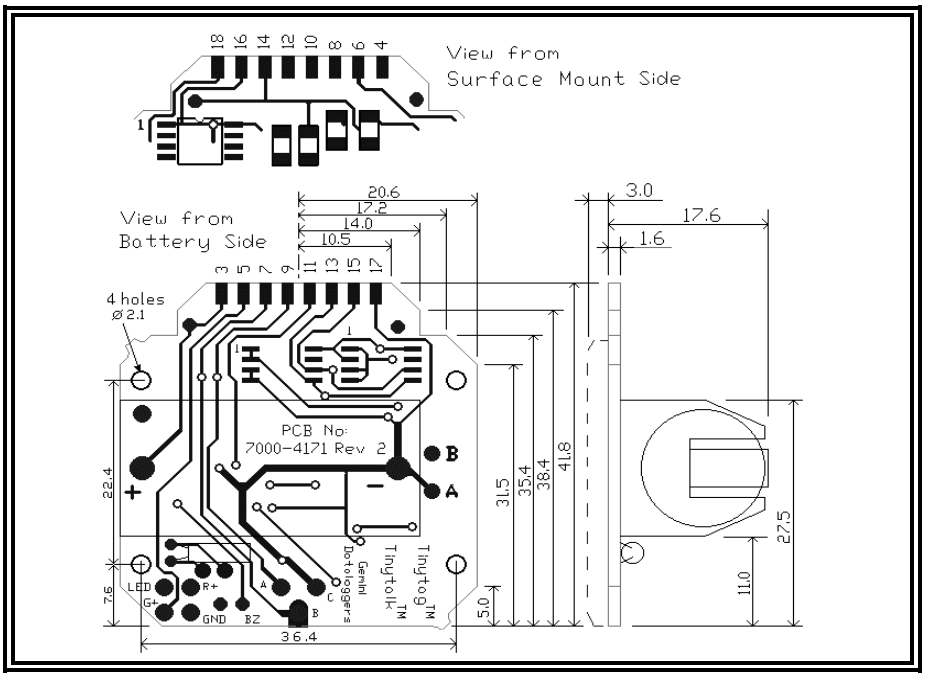
Memory Size :	16k (Non-volatile)
No. of Readings :	16000 (approx)
Resolution :	8 bit
Delayed Start :	Relative / Actual up to 45 days
Stop Options :	When Full After n Readings Never (Wrap around)
Logging Interval :	1 sec to 10 days
Offload :	While stopped or when logging in minute multiples
Alarms :	Two, fully Programmable
Functional Range :	-40°C → +85°C / -40°F → +185°F
Battery Life :	Up to 5 years

Note: The LEDs are supplied, not fitted to the PCB.

Input Specification

	Range :	0-255 counts/interval
	Max. Frequency :	50 counts / second
	'Divide by' counter :	1 to 255
	Input type :	Digital, or volt-free Switch contact
	Max. Error :	± divisor/2
Digital	Low level :	-0.5V to +1V
	High level :	2.5V to 10V
	Min pulse width :	150us (at 5V)
	Min pulse separation :	150us (at 5V)
	Edge detection :	High - Low transition
Contact	Type :	Normally Open (with Minimal debounce)
	Min closed time :	150us
	Min open time :	500us
	Edge detection :	Open to closed

Note: Battery replacement is recommended every 2 years. Replace with 3.6V 1/2AA Lithium cells (available from your Tinytag stockist). Stop the unit logging before replacing the battery.



Approvals

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd to BS EN ISO 9001:2000 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1 and 2:1992/95 with any standard leads or probes supplied.

Interface Information and Related Products

To use your Tiny Data Logger you will require:
Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500).
To change ranges and/or units you will need a PC, with Re-Educator Software V2.2 or above (SW-0506) and interface cable.

Further Related Products:

TGPR-0700	Tinytag Plus Re-ed Volt: 0 to 2.5V/10V/25V logger, PCB only, for OEM use.
TGPR-0800	Tinytag Plus Re-ed Current: 0 to 20 mA logger, PCB only, for OEM use.