



# Mini GPS Receiver Module

Model: TK-1722

1	TX_B	TIME PULSE	28
2	RX_B	NC	27
3	TX_A	NC	26
4	RX_A	NC	25
5	NC	NC	24
6	VCC	GPIO8	23
7	GND	GPIO7	22
8	V1.8	GPIO3	21
9	NC	NC	20
10	RESET	VANT	19
11	VBAT	VCC_RF	18
12	BOOT	RFGND	17
13	GND	RFIN	16
14	GND	RFGND	15



## Introduction:

TK-1722 is high-sensitivity mini GPS receiver modules of low cost. With built-in and high-gain LNA and filter, the GPS engine boards of low power consumption and 20 channels are best suitable for GPS-enabled handheld or AVL applications

## Features:

- High Sensitivity -159 dBm
- High-gain LNA and filter
- Power Supply 3.3~5V +- 5%
- Low power consumption

## Application:

- Personal Navigation Device including GPS PDA and GPS Handheld
- Mobile phone and smart phone
- GPS receiver and GPS mouse
- Personal positioning and navigation

©2010 San Jose Technology, Inc. All specifications subject to change without notice.



## Specification:

Physical construction		
Dimension	L22.0mm*W17.0mm*H2.7mm	
Weight	2.1 gram	
Receiving frequency	1575.42MHZ; C/A code	
Mounting	SMT type with 28pin stamp holes	
Construction	Full EMI shielding	
Environmental conditions		
Temperature	Operating: -30 ~ +80 °C	
	Storage: -40 ~ +85 °C	
Communication		
Protocol	NMEA0183 V3.00	
Signal level	UART @ 3.3V	
Interface capability		
Output Sentences	Standard: GGA, RMC, GSV, GSA, VTG	
	Option: GLL, ZDA	
Performance		
Sensitivity	-159dbm	
Receiver architecture	20 parallel channels	
Start-up time	Hot start	<5 sec
	Storage Temperature	45 sec
	Warm start	45 sec
Position accuracy	Autonomous Position Error	1.0 m CEP
SBAS	WAAS, EGNOS, MSAS	
Velocity	100 m/s (Maximum)	
Altitude	50 km (Maximum)	
Update Rate	1 Hz	
Power Supply	3.3V +- 5%	
Current Consumption	Acquisition: 58mA	
	Tracking: 58mA	
Baud Rate	9600 bps (default) & 4800/9600/38400/57600/ 115200 bps are adjustable	

(\*PS: The specification is subject to change without prior notice)