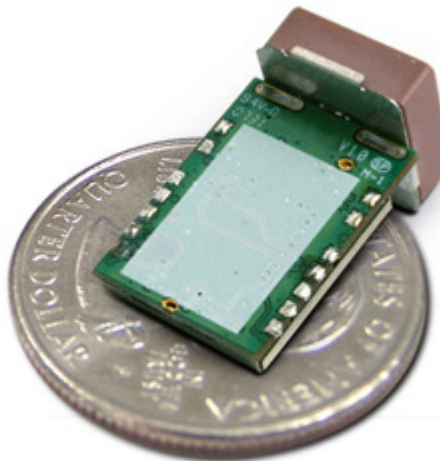


TK-1315 TA GPS Engine Board Module

Overview:

T-type for embedding in portable devices and receiver

Trend of the development of GPS applications has emerged from mono-function machine of fancy prices to a must have feature of reasonable low price for many consumers or commercial devices.

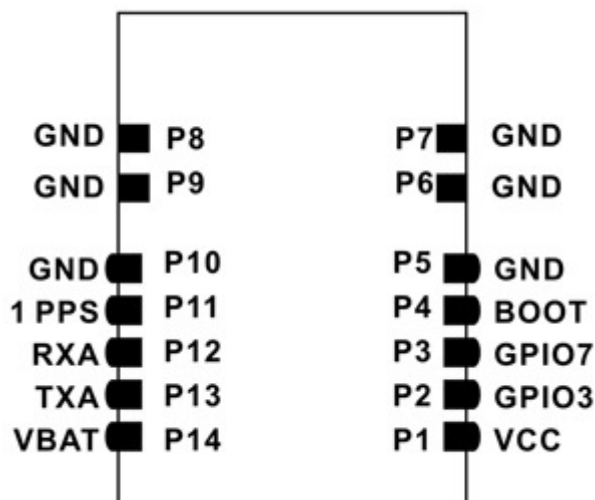


Features:

- Assembled in the form of T-type
- 20 parallel channels
- -159dBn high GPS sensitivity
- 14-pin stamp holes

Applications:

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



Specification:

PHYSICAL CONSTRUCTION :		PERFORMANCE :	
Dimension	L 24,0 mm W 14,0 mm H 13,0 mm	Sensitivity	-159dbm
Weight	<6 gram	Receiver architecture	20 parallel channels
Receiving frequency	1575.42MHZ; C/A code	Start-up time	Hot start 4 sec
Mounting	14-pin stamp holes		Warm start 30 sec
Construction	Full EMI shielding		Cold start 38sec
ENVIRONMENTAL CONDITIONS :		Position accuracy	Without aid 2.9 m CEP
Temperature	Operating: -30° ~ + 85°	Velocity	100 m /s
	Storage: -40° ~ + 85°	Altitude	< 50 km
COMMUNICATION :		Update Rate	1 Hz
Protocol	NMEA 0183 V3.00, RTCM	Power Supply	3,3V +- 5%
Signal level	UART @ 3.3V	Current Consumption	Acquisition: 53mA
INTERFACE CAPABILITY :			Tracking 43mA
Output Sentences	Standard GGA, RMC, GSV, GSA, VTG Option GLL,ZDA	Baud Rate	9600 bps (default) & 4800/9600/38400/57600/115200 bps are adjustable

This specification is subject to change without prior notice..

