

YIC-921GM

Product Features:

Build on high performance, low-power u-blox5&6 chipset

Ultra high sensitivity: -160dBm

Extremely fast TTFF at low signal level

Built in high gain LNA

Low power consumption: Max 40mA@3.0V

NMEA-0183 compliant protocol or custom protocol

Operating voltage: 2.75V to 3.6V

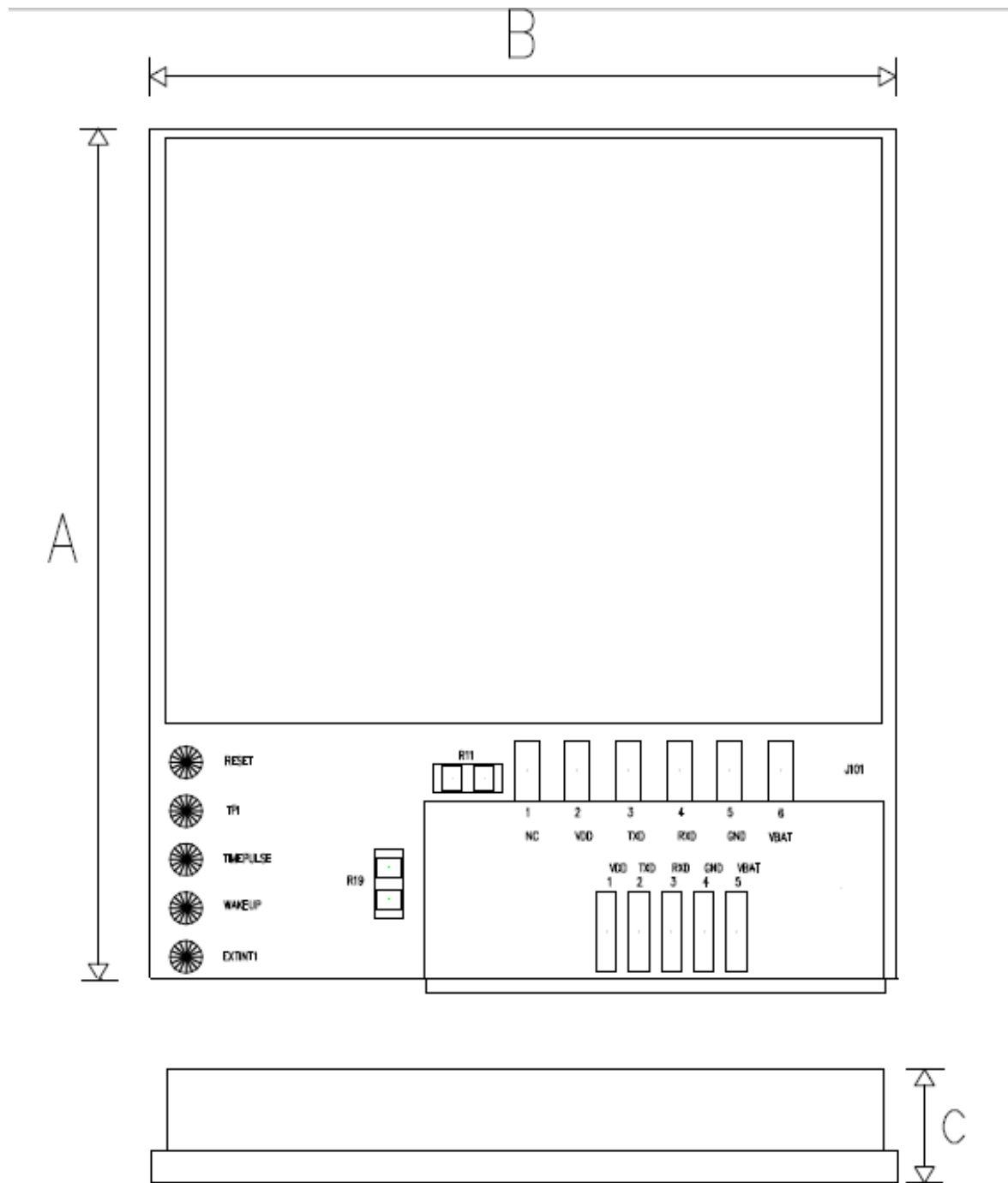
Operating temperature range: -40 to 85°C

SMD type with stamp holes

Small form factor: 21 x 18.4 x 7mm

RoHS compliant (Lead-free)

Pin Assignment



Mechanical Specifications

parameter	specification
A	21.0 +0.6/-0.1mm
B	18.4+/-0.1mm
C	2.8+/-0.3mm
weight	2.1g

Product Specifications

Parameter	Specification
Receiver Type	L1 frequency band, C/A code, 50-channels SBAS: WAAS, EGNOS, MSAS, GAGAN
Sensitivity	Tracking -160dBm Acquisition -160dBm
Accuracy	Position 5m CEP without SA Velocity 0.1m/s without SA Timing (PPS) 10ns RMS
Acquisition Time	Cold Start 29s Warm Start 28s Hot Start 1s Re-Acquisition <1s
Power Consumption	Tracking 35mA @3V Vcc Acquisition 40mA Sleep/Standby TBD
NavigationDataUpdate Rate	1Hz
Operational Limits	Altitude Max 18,000m Velocity Max 515m/s Acceleration Less than 4g