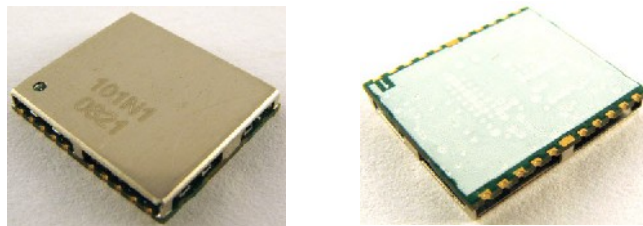


AarLogic GPS 3M

(101N1)

High sensitivity, low power and ultra small form factor GPS module



1 Features

- SiRF Star III Low power solution
- Small form factor 15 x 13 x 2.2 mm
- Support 20-channel GPS
- Fast TTFF at low signal level
- Capable of SBAS (WAAS, EGNOS, MSAS)
- 6 GPIO available
- Built-in LNA and SAW filter
- SMD type with stamp holes; RoHS compliant
- NMEA 0183 Version 3.0 & SiRF binary output

2 Application

- Personal positioning and navigation
- Automotive navigation
- Asset tracking
- Marine navigation

3 Performance

Sensitivity Tracking:	-159 dBm
Sensitivity Cold start:	-144 dBm
Hot start (Open sky):	< 2s
Hot start (Indoor):	< 15s
Cold start (Open sky):	35s
Position accuracy (autonomous):	<10m (2D RMS) (98%)
Position accuracy (SBAS):	< 5m (2D RMS) (98%)

4 Accessories

Antennas:

- External magnetically mounted:
ANT-NXM652



- External cellular & GPS antenna, magnetic mount:
ANT-GNM600



- Internal I-stage LNA active antenna, 13mm patch:
ANT-NXG3113



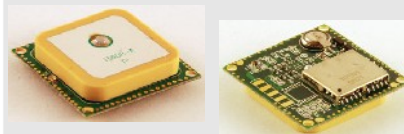
PCB mounted connectors (SMT):

- CON-RS103 (SMA)
- CON-RS209 (SMA)
- CON-RS211 (MMCX)
- RS-CON-PCB-FME/M



Design examples:

- AarLogic GPS 3A
(25mm antenna patch & AarLogic GPS 3M)



- AarLogic C10/3 (Complete design: GSM & GPS & Linux)
More information here:
<http://roundsolutions.com/stk/s4/>

