

GPS Documentation

Option	Description
GGA	Time Position and Fixed type data
GSA	GPS receiver operating mode, active satellites used in the position solution and DOP values
GSV	The number of GPS satellites in view satellite ID numbers elevation, azimuth, and SNR values
RMC	Time, date, position, course and speed data. Recommended minimum Navigation information
VTG	Course and speed information relative to the ground

GGA

Each of these are types of output data. As of now, we are interested in the GGA type.

Format

Basic Packet Format:

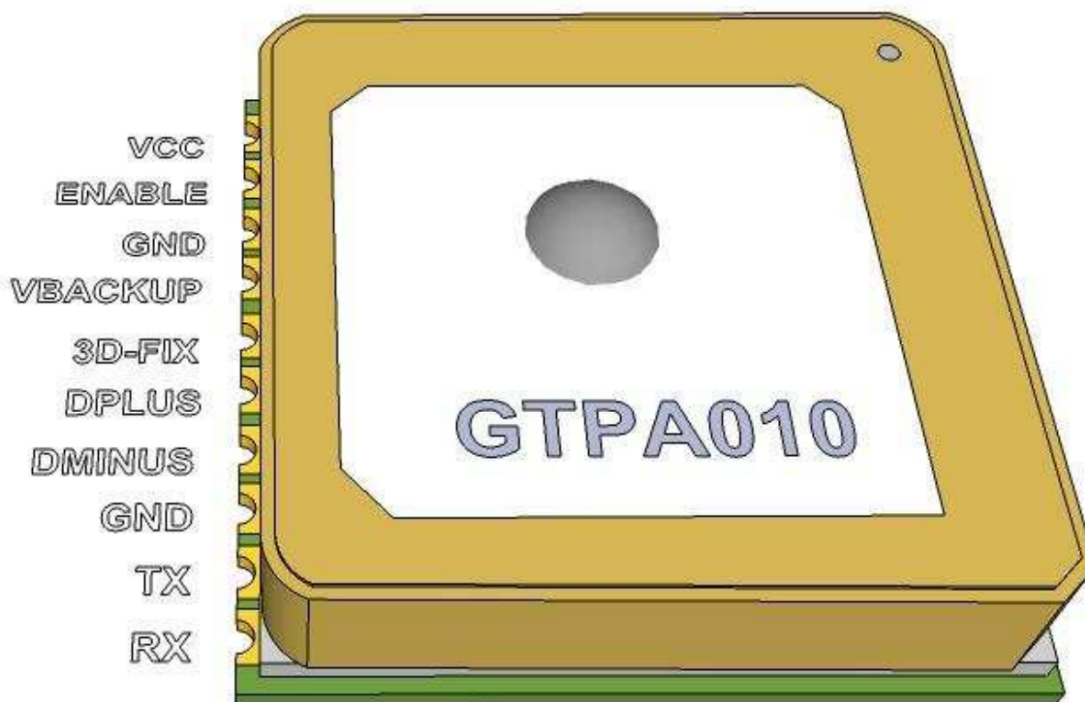
```
$<TalkerID>GGA,<Timestamp>,<Lat>,<N/S>,<Long>,<E/W>,<GPSQual>,<Sats>,<HDOP>,<Alt>,<AltVal>,<GeoSep>,<GeoVal>,<DGPSAge>,<DGPSRef>*<checksum><CR><LF>
```

GGA Format

```
$PMTK<Packet Type (number between 000 and 999)><Data>*<checksum><CR><LF>
```

FGPMMOPA6B GPS Module

2.3 Pin Configuration



Top View