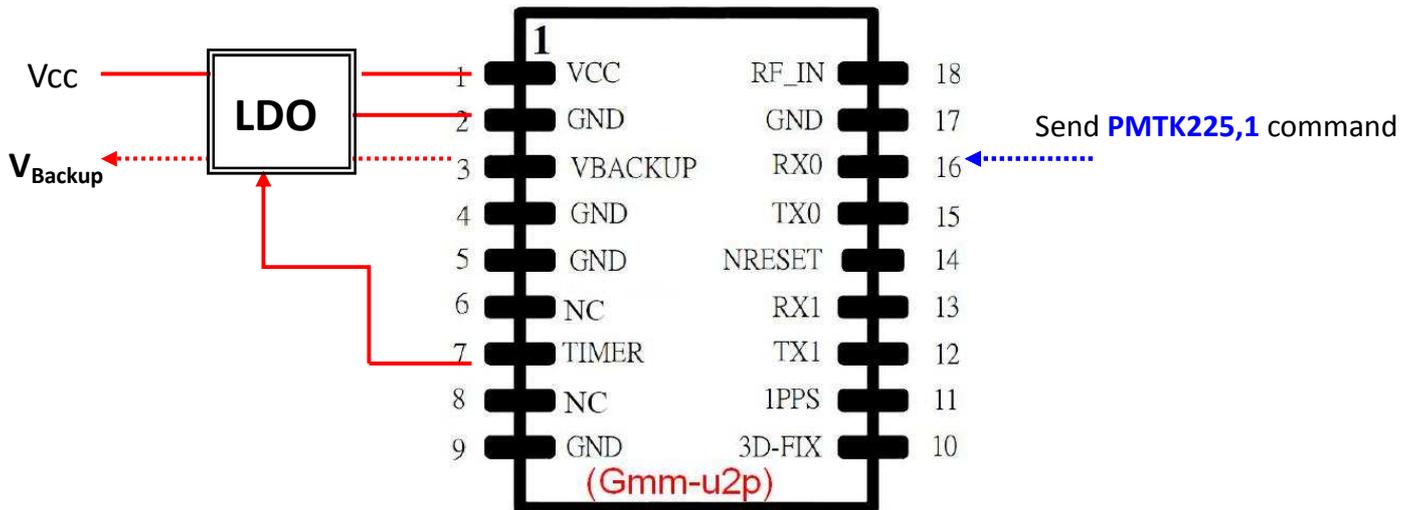




Gmm-u2p Timer function

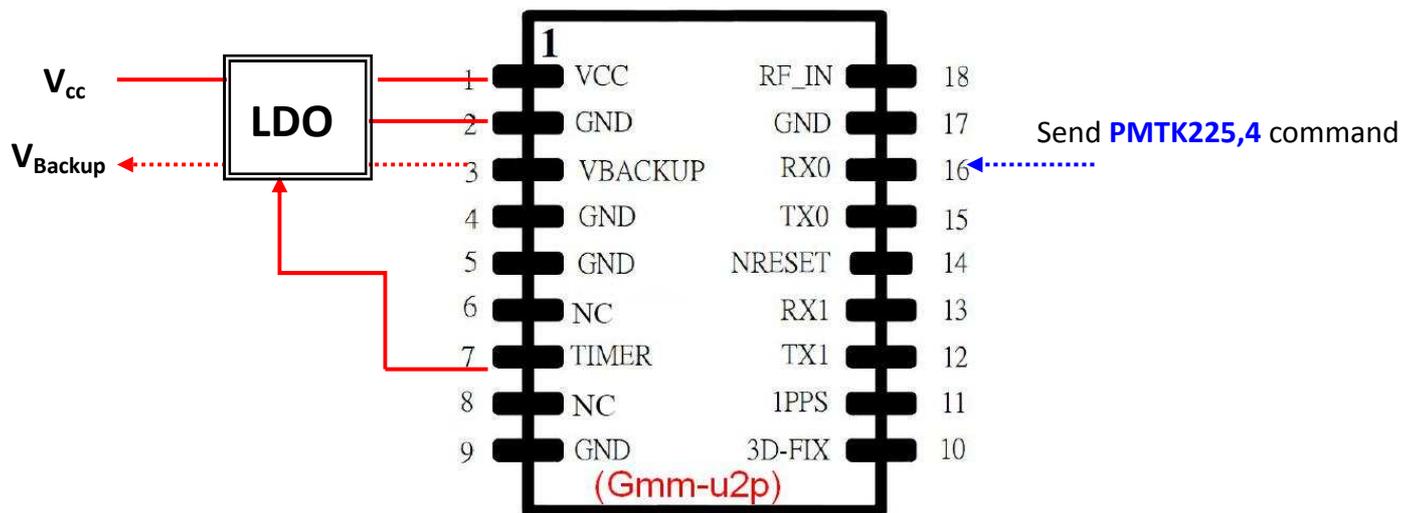
The Gmm-u2p module must be connected one LDO for power off/on module for enter periodic/perpetual backup mode.

1. Periodic backup mode:



- 1.1 When send PMTK225,1 command to Gmm-u2p module that Timer pin will send Hi/Lo pulse to LDO for let module enter backup mode
- 1.2 Example: `$PMTK225,1,3000,12000,8000,72000*16<CR><LF>` command
The command let:
 - Timer pin in Hi state 3 second that mean the Gmm-u2p run 3 second by LDO power on GPS module
 - Then Timer pin in Lo state 12 second that mean the Gmm-u2p sleep time 12 second by LDO power off GPS module.
 - Then Gmm-u2p in Hi state again that run time 8 sec by LDO power on GPS module again
 - Then Timer pin in Lo state 72 second that mean the Gmm-u2p sleep time 72 second by LDO power off GPS module again.
 - Repeated this cycle, run 3sec – Sleep 12sec – run 8sec – sleep 72sec – run 3sec -- Sleep 12sec – run 8sec.....

2. Perpetual backup mode:



- 2.1 When send PMTK225,4 command to Gmm-u2p module that Timer pin will send Lo pulse to LDO for let module enter perpetual backup mode.
- 2.2 Gmm-u2p module enter perpetual backup mode, that mean Gmm-u2p always enter sleep state.
- 2.3 If you need to wake up the module that must through external trigger to enable LDO for power on GPS module.