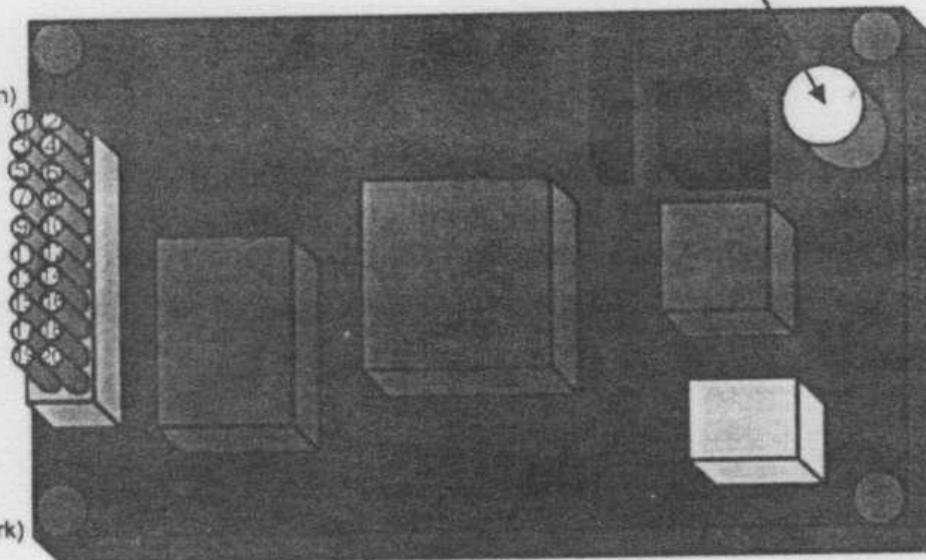




MCX GPS ANTENNA

J1 Pin-Out

1. +5 Antenna PWR
2. +5 VCC PWR-IN
3. Battery PWR
4. +3 VCC PWR-IN (Option)
5. Board Reset-In
6. Not Use
7. Not Use
8. Not Use
9. Not Use
10. GND
11. TXA (TTL SERIAL)
12. RXA (TTL SERIAL)
13. GND
14. Not Use
15. DGPS Input (RTCM)
16. GND
17. Not Use
18. GND
19. 1PPS Output(Timemark)
20. Not Use



J1 SIGNAL DESCRIPTIONS

GPS Module FV-12

1. Antenna PWR: DC voltages for an active antenna. Not required for operation of passive antenna.
2. VCC PWR Input: Main power supply input for the FV-12 module. Use regulated +5V supply (+/-5%) capable of supplying 250mA.
3. Battery PWR: Battery back-up supply for SRAM & RTC when main power is off.
4. VDD +3V DC POWER IN: Required only for the LHXA-3.
5. PBRES: External reset to the unit & start searching for satellites, must be in tied high if not used.
6. Reserved
7. Reserved
8. Reserved
9. Reserved
10. GND
11. TXA: Transmit channel use to output navigation & data
12. RXA: Receive channel use to receive software commands.
13. GND
14. TXB: User's application
15. RXB: auxiliary receive channel for DGPS input.
16. GND
17. Reserved
18. GND
19. TimeMark: 1PPS output
20. Reserved