

# JTAGULATOR TEST PROCEDURE

4/5/13

- CONNECT USB MINI-B TO HOST PC
  - VIRTUAL COM PART SHOULD BE RECOGNIZED
- V<sub>b</sub> pin 3 = 5.0V ± 5% = 4.75V to 5.25V
- V<sub>b</sub> pin 2 or 4 = 3.3V ± 1% = 3.26V to 3.34V
- LOAD PROPELLER TOOL & "IDENTIFY PROCESSOR"
- PROGRAM EEPROM W/ JTAGULATOR CODE
- ON RESET, LED = ORANGE THEN LED = GREEN
- OPEN COM PART VIA PARALLAX SERIAL TERMINAL OR OTHER TERMINAL PROGRAM (115.2Kbps, 8N1)
  - "ENTER" KEY WILL RETURN A ":" PROMPT
  - "V" COMMAND - VERIFY V<sub>ADJ</sub> MATCHES ENTERED VOLTAGE
  - "W" COMMAND - VERIFY CH<sub>23</sub>... CH<sub>0</sub> CAN BE SET TO 0x000000 AND 0xFFFFFFFF
  - "R" COMMAND
    - CH<sub>23</sub>... CH<sub>0</sub> = 0xFFFFFFFF WHEN NOTHING CONNECTED
  - PULL EACH CHANNEL TO GND & VERIFY "CASCAIDING ZERO"
- DONE ↓