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GPS (3V comp)

(Direction seen from GPS)

The diagram shows a 4-pin connector CON1_16 with pins 1, 2, 3, and 4. Pin 1 is connected to GPS B OUT, pin 2 to GPS B IN, pin 3 to GPS A OUT, and pin 4 to GPS A IN. A 5V supply and GND are connected to CON2_16 pins 1 and 2. A 100nF capacitor C3_16 is connected between VDD and GND. A 100nF capacitor C1_16 is connected between VDD and AGND.

RS232

(Direction seen from cable)

The diagram shows a MAX232ACPE(16) chip with various pins and connections. The chip has pins for RS232 A OUT, RS232 B OUT, RS232 A IN, RS232 B IN, GPS A IN, GPS B IN, GPS A OUT, GPS B OUT, R1 OUT, R2 OUT, T1 OUT, T2 OUT, C2+, C2-, C1+, and C1-. The chip is connected to a 5V supply and GND. Two 10uF capacitors, C2_16 and C5_16, are connected between VDD and GND. A 10uF capacitor C4_16 is connected between C1+ and GND. A 10uF capacitor C6_16 is connected between C2- and GND. The chip is connected to a 4-pin connector CON02 (pins 1, 2) and a 16-pin connector CON3_16 (pins 1, 2). The chip is also connected to a 16-pin connector SUB1_16 (pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16). A GND_J1_16 jumper is connected to pin 5 of SUB1_16.

A

Title

GPS RS232 Interface

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Proj Low-Budget Inertial Navigation System
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