
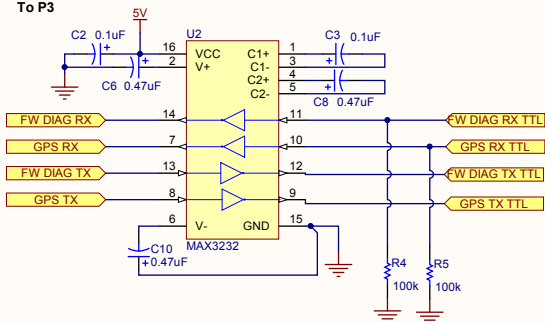
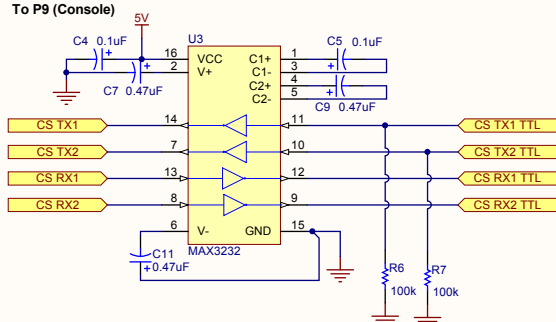


| | | | |
|---|--|---|--|
|  | | Woods Hole Oceanographic Institution 86 Water Street Dept 4 MS 18 Woods Hole, MA 02543 | |
| | | Title: VSW Modem Buoy Distribution Board Power Supply | |
| Cage Code: 88846 | | Drawing Number: 205031-SCH | |
| Drawn By: Keenan Ball | | Rev: B | |
| Date Drawn: 9/17/2010 | | Sheet 2 of 5 | |

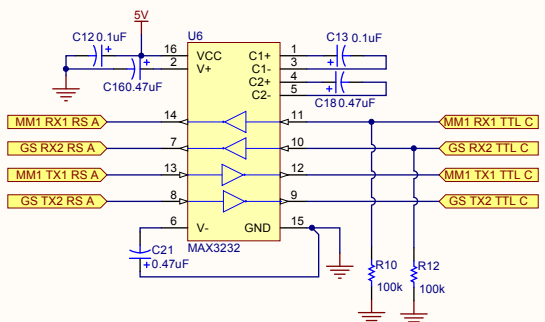
To P3



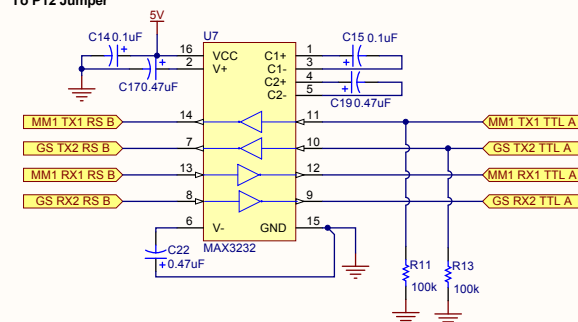
To P9 (Console)



To P7/P13 MM/GS Direct

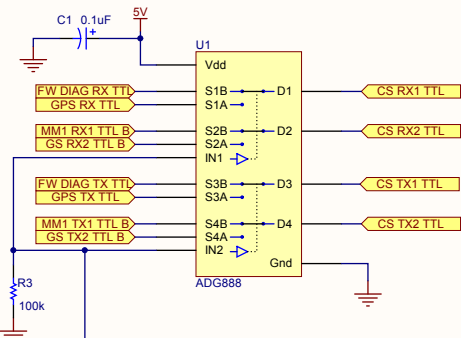
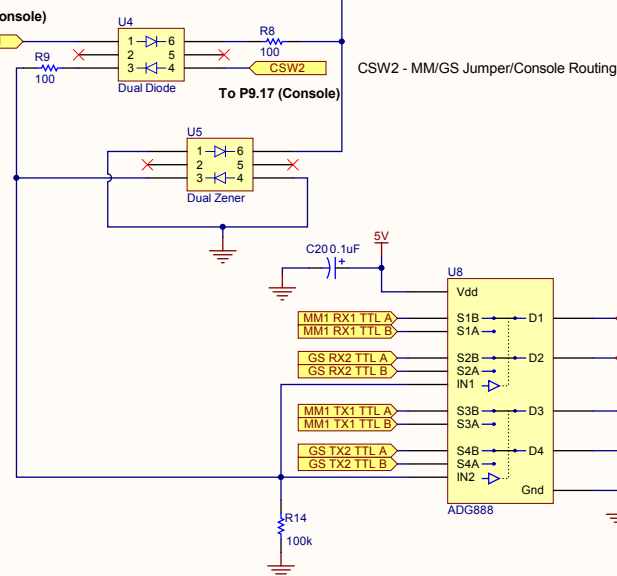


To P12 Jumper



To P9.16 (Console)

CSW1 - MM/GS CSW1



CSW2 switches both the Micromodem and Gumstix serial port routing between the distribution board jumper (P12) and the console connector (P9 on distribution board/ Console connector on buoy endcap)


CSW2 = 0 (Default)
FW Diag -- CS1
MM1 -- CS2

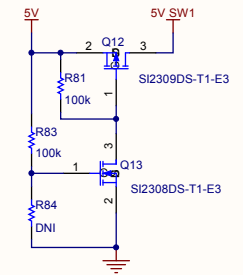
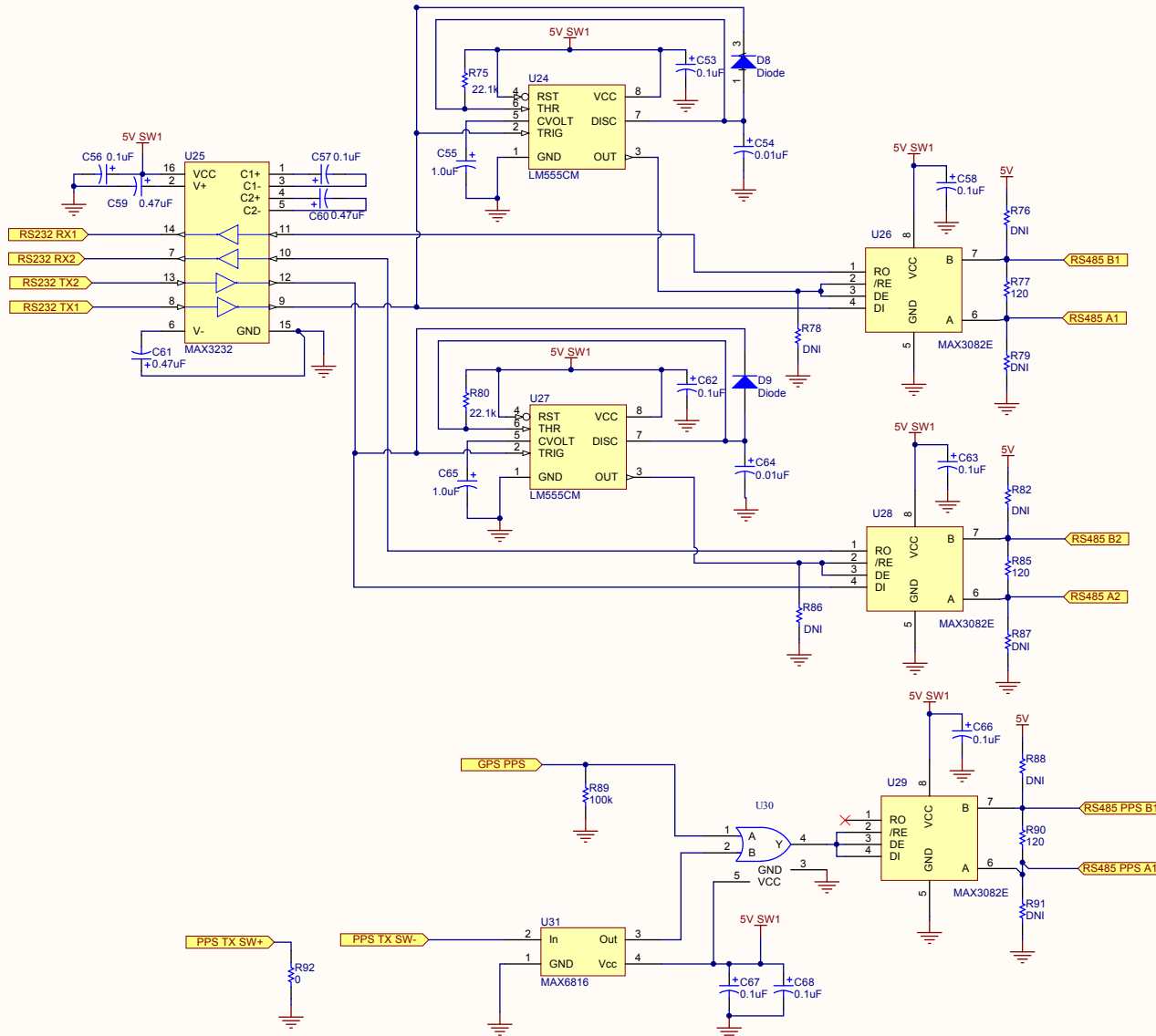
CSW2 = 1
GPS -- CS1
GS -- CS2


CSW1 switches between the Micromodem and the Gumstix serial ports at CS RX/TX 2 and between the Freewave Diag and GPS serial ports at CS RX/TX 1. Micromodem is typically set a baud rate of 19200 while the Gumstix is typically set at a baud rate of 115200.

CSW1 = 0 (Default)
MM1 -- P12 Jumper
GS -- P12 Jumper

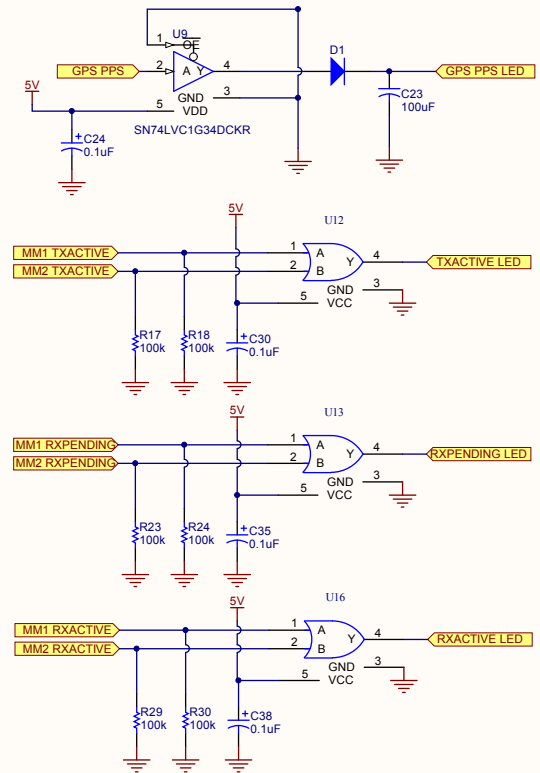
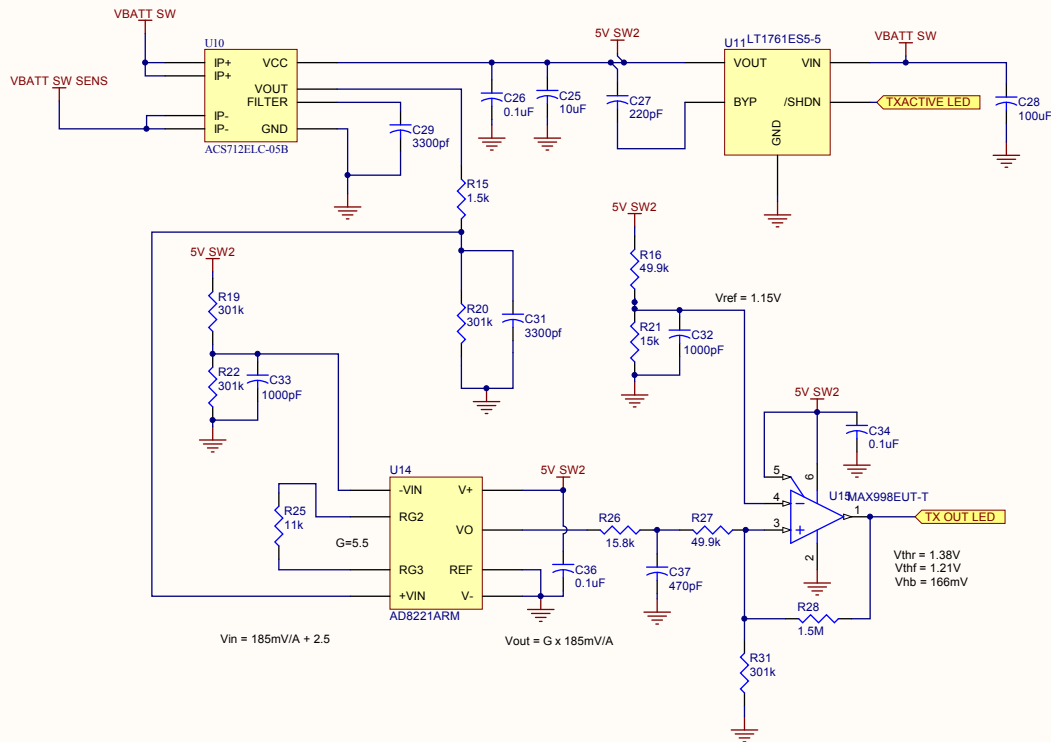
CSW1 = 1
MM1 -- P9 Console
GS -- P9 Console


| | | | |
|---|--|---|--|
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| | | Title: VSW Modem Buoy Distribution Board Console Switching Circuitry | |
| Cage Code: 88846 | | Drawing Number: 205031-SCH | |
| Drawn By: Keenan Ball | | Rev: B | |
| Date Drawn: 9/17/2010 | | Sheet 3 of 5 | |



| | | | |
|---|---|--------------------------------------|------------------|
|  | Woods Hole Oceanographic Institution 86 Water Street Dept 4 MS 18 Woods Hole, MA 02543 | | |
| | Title: VSW Modem Buoy Distribution Board Full Duplex RS485 | | |
| | Cage Code: 88846 | Drawing Number: 205031-SCH | Rev: B |
| | Drawn By: Keenan Ball | Date Drawn: 9/17/2010 | |

Sheet 4 of 5



| | | |
|---|--|------------------|
|  | Woods Hole Oceanographic Institution | |
| | 86 Water Street Dept 4 MS 18 Woods Hole, MA 02543 | |
| | Title: VSW Modem Buoy Distribution Board Current Sense Circuitry | |
| | Cage Code: 88846 | Rev: B |
| Drawn By: Keenan Ball | Drawing Number: 205031-SCH | |
| Date Drawn: 9/17/2010 | Sheet 5 of 5 | |

