VCC

IC1

C1
1uF
1   C1+
3   C1-   V+   2   C2 1uF
C4   V-   6   C3
1uF
4   C2+   1uF
5   C2-   GND

IC2

B   7
A   6

RO   1
RE/ 2
DE   3
DI   4

MAX485

CON2-1
CON2-2
RS485

R1
120R

GREEN
LED1

R2
470R

GND

11 T1IN   T1OUT 14
10 T2IN   T2OUT 7
12 R1OUT R1IN   13
9   R2OUT R2IN   8

MAX232

CON1

RXD 2   1   6
TXD 3   7   RTS
     4   8
     5   9

DB9/F

GND

POWER 6-9V

CON3-2
POWER
CON3-1

IC3
7805L

3 VI   VO 1
      GND
       2

VCC

C5   C6
100uF   100nF

C7   C8
100uF   100nF

C9   C10
100nF   1uF

LED2
RED

R3
1k

GND GND GND GND GND GND GND GND GND

NOTES: LED1: TRANSMIT (BRIGHT) OR RECEIVE MODE
         LED2: POWER
         RTS SIGNAL SELECTS TX/RX MODE

AQUATICUS ROV

TITLE: RS485 to RS232 Converter

Document Number:
    http://aquaticus.info/rs485_to_rs232

REV:
A

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