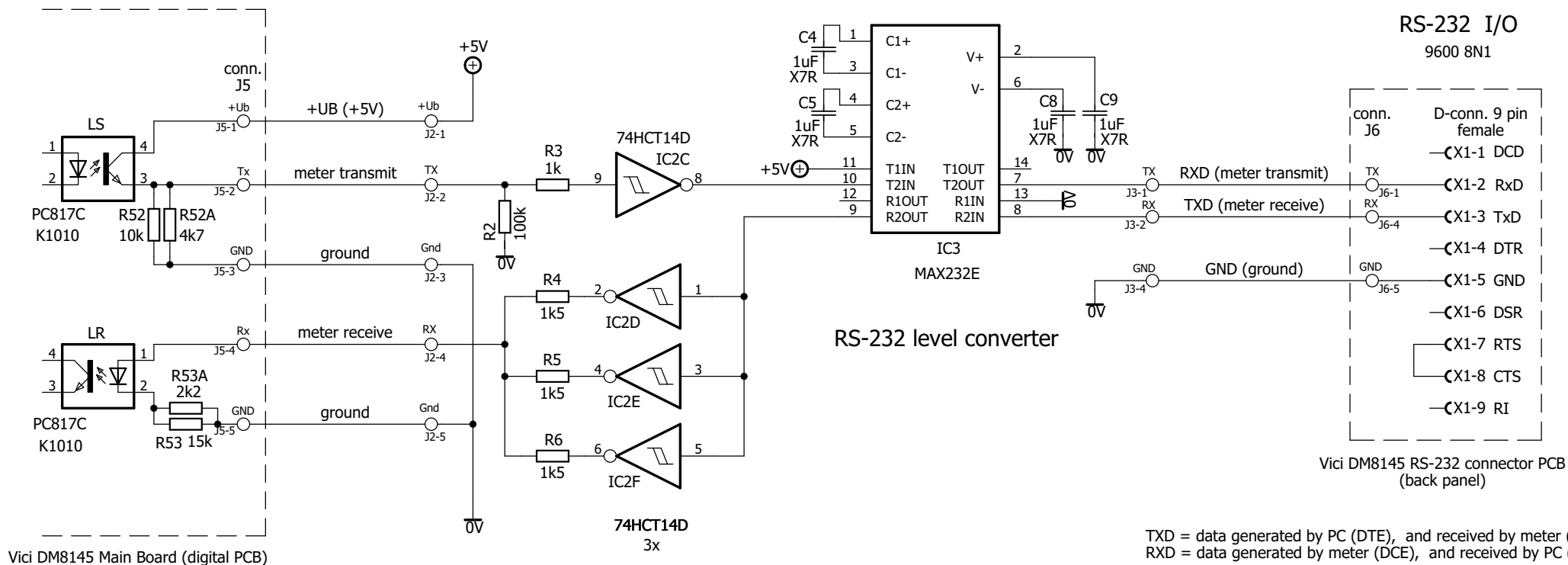
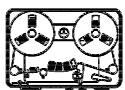


- Add R52A, 4k7 // R52 (just solder on top).
Current through opto is 1,6mA.
Lower R52 improves pull down / speed.
- Add R53A, 2k2 // R53 (just solder on top).
LED current is 2mA (Usend = 5V).
Tested with lower current 0,9mA, was still OK.

[illegible]

TXD = data generated by PC (DTE), and received by meter (DCE)
RXD = data generated by meter (DCE), and received by PC (DTE)



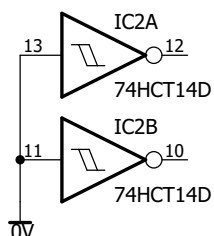
Miedema Geluidstechniek
Rika Hopperlaan 20 3584 GN Utrecht
Tel. 030-2511913 info@miedemageluid.nl

TITLE: Vici DM8145 RS232 - MAX232 mod

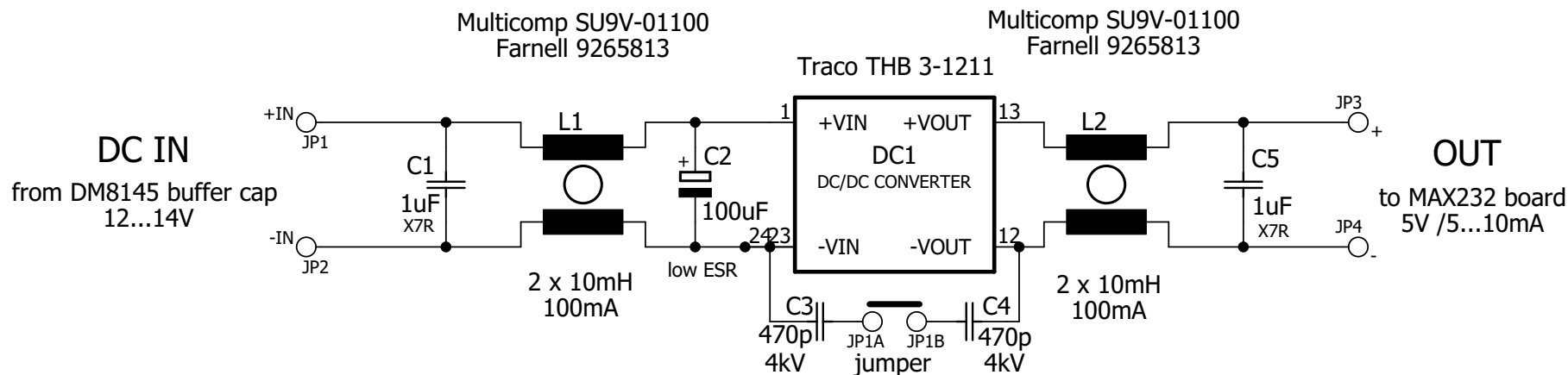
File: Vici DM8145 RS232 MAX232 mod (Eagle V7.5) REV: 1.0

Date: 23-06-2023 14:35

Get: Gertjan Miedema



RS-232 I/O
9600 bits/s 8 databits No parity 1 stop bit no flow controll
Wired as DCE (modem) so use standard "straight" cable



Jumper open: Best meter to RS-232 isolation
Jumper closed: Best DC-DC noise suppression (lowest EMI)

Input to output isolation: 4000Vac for 1 minute
Reinforced insulation based on 300Vac working voltage

Input: 9V.....18V AC

I in without load: 4mA

Nominal load: $\approx$ 5mA

At 13V DC in and 10mA load:

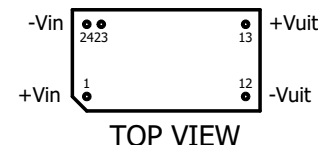
I in: 12mA

Input ripple & noise: 10mVtt (mostly noise)

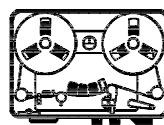
Output ripple & noise: 30mVtt

Switching frequency: 135kHz

Traco THB 3-1211
In: 9...18VDC, Out: 5VDC
Max. 600mA



- H1 MOUNT-HOLE3.3
- H2 MOUNT-HOLE3.3
- H3 MOUNT-HOLE3.3
- H4 MOUNT-HOLE3.3



Miedema Geluidstechniek

Rika Hopperlaan 20 3584 GN Utrecht
Tel. 030-2511913 info@miedemageluid.nl

TITLE: Vici DM8145 RS-232 mod - DC-DC

File: **Vici DM8145 RS-232 DC-DC v1.0**

REV: **1.0**

Date: **23-06-2023 16:06**

Get: **Gertjan Miedema**