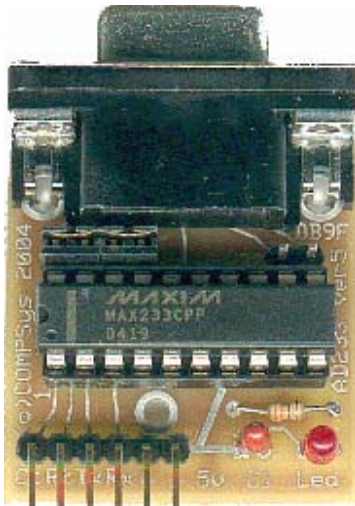


AD233BK 233A ver 4 ki

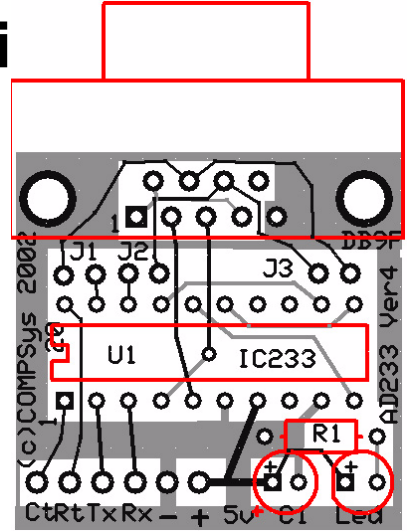


Solder braces
(bottom side) for
strength

Assembly Hints

Mount the IC socket, capacitor, LED and resistor first. Next, mount the header and jumper pins. Finally mount the DB9 connector. For best results, use thin silver bearing solder and a fine point soldering iron.

Cts Rts Tx Rx Gnd 5v+ ← 6 Pin header
Shown Assembled



Layout

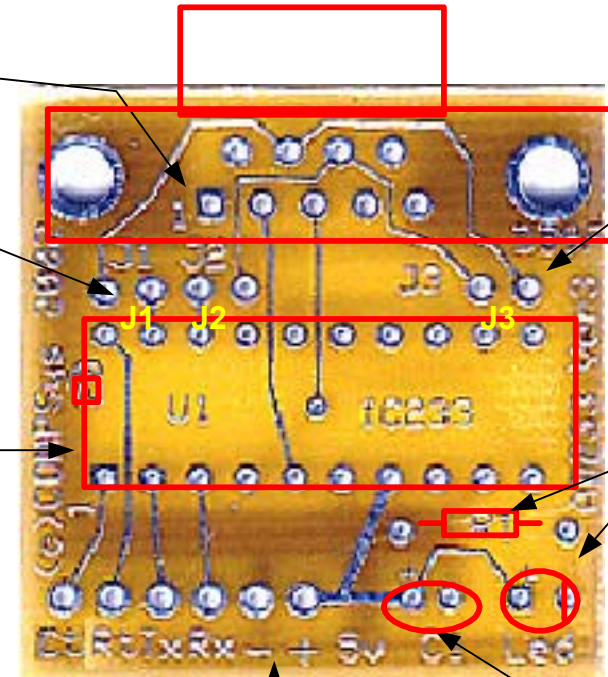
* With a 3.3v supply the AD233 provides an RS232 voltage swing from approx. -6v to +6v which is sufficient for most RS232 applications. However, some applications require more and may not work correctly at 3.3v. At 5v it provides a standard RS232 -10v to +10v.

AD233BK PCB Component side

DB9 female connector,
Square pad is Pin 1

J1 and J2

Max233 or ADM233L
Pin 1 (notched end of IC)



To use CTS/RTS

Handshake	J1	J2	J3
ON	ON	ON	OFF
OFF	OFF	OFF	ON

J3

330 Ohm resistor

Power LED
Observe polarity
(long leg is +)

1uf or 0.1uf Capacitor
Observe polarity
(long leg is +)

Cts Rts Tx Rx Gnd 5v+ Supply Voltage
3.3* -7v DC (see note above)

**DO NOT REVERSE
POLARITY!**

Note: Some capacitors will not have +/- markings, in that case polarity is not an issue and the leads can go in either position

TTL I/O
Rts,Cts,Tx and Rx pin
connections

Disclaimer and Terms of Agreement

As with any kit, only the individual parts supplied are guaranteed against defects and not the user assembled unit. All kit parts are purchased from reputable sources such as Digikey Inc, Allied Electronics and Mouser Inc, however, should a kit part be ascertained to be defective it will be replaced at no charge within 30 (thirty) days of the purchase date. Beyond that, COMPSys Workbench and / or the COMPSys developer(s) assume no liability and WILL NOT be held liable nor be held responsible wholly or in part for any damages caused by the construction of and / or use of their products sold .