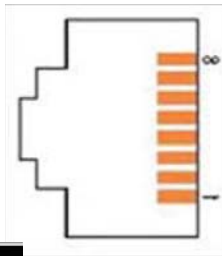
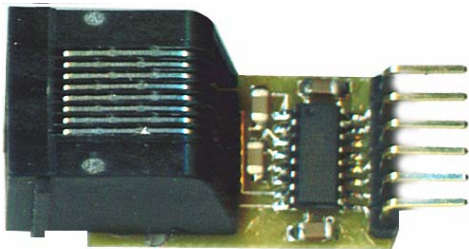


# RJ45RS232 Rev 1

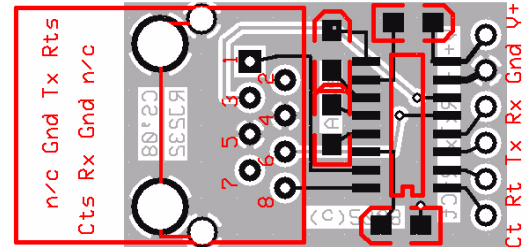
## RJ45 RS232 Serial adapter (Lantronix configuration)

A very small TTL to RS232 RJ45 adapter. Available as a TTL 5v IC232 or TTL 3.3v IC3232 module



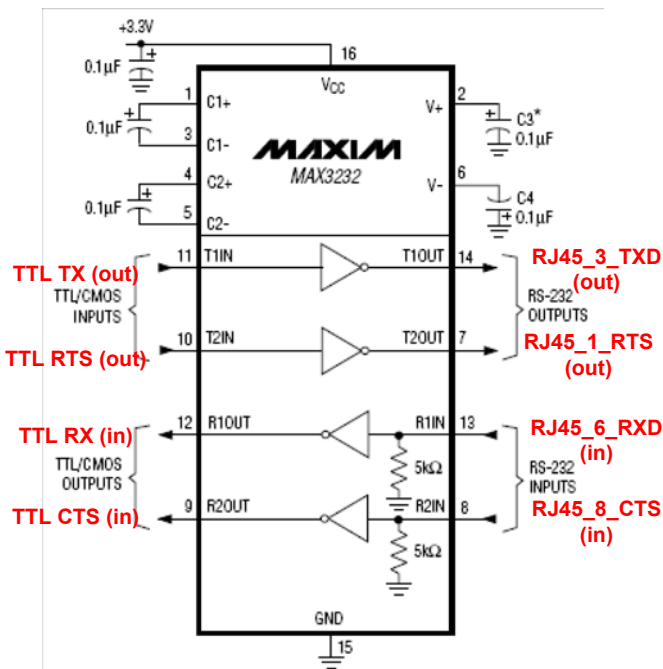
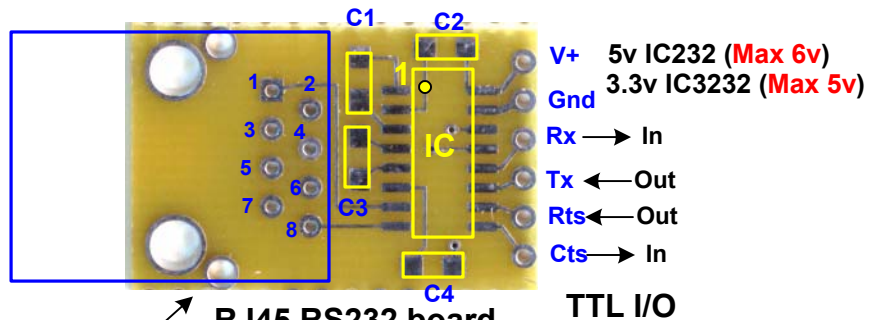
CTS (in)  
N/C  
RXD (in)  
Gnd  
TXD (out)  
N/C  
RTS (out)

Pinouts on the RJ45 RS232



Pin	Direction	Name	Function
1	Output from DR+	RTS	Ready To Send
2	Output from DR+	DTR	Data Terminal Ready
3	Output from DR+	TXD	Transmitted Data
4	Ground	GND	Signal Ground
5	Ground	GND	Signal Ground
6	Input to DR+	RXD	Received Data
7	Input to DR+	DSR	Data Set Ready
8	Input to DR+	CTS	Clear To Send

**DO NOT REVERSE POLARITY! The IC will be damaged**



\* C3 CAN BE RETURNED TO EITHER V<sub>CC</sub> OR GROUND.

Note: The RJ45 jack supplied can be shielded or unshielded. If it is shielded it will have two metal grounding tabs that will fit in the two small holes on the board

### Assembly Notes

Use quality solder approx .020" dia and a fine point soldering iron approx 20w. Carefully mount the SOIC chip first observing correct orientation (Pin1 is the 'banded' or 'dimpled' end) . Apply only tiny amounts of solder if needed. Next, install the four SMD non-polar capacitors. Finally mount the RJ45 jack. Carefully insert the pins into the matching holes on the pcb. Hold the jack firmly and seat the two plastic bosses. It will require some pressure before they snap in. Solder the pins and shield tabs (if it is a shielded jack).

### PARTS

3.3v version	5v version
C1-C4 -- 0.1uf	C1-C4 -- 1uf
IC ----- IC3232	IC ----- IC232
RJ45 jack and printed circuit board	

### 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 .