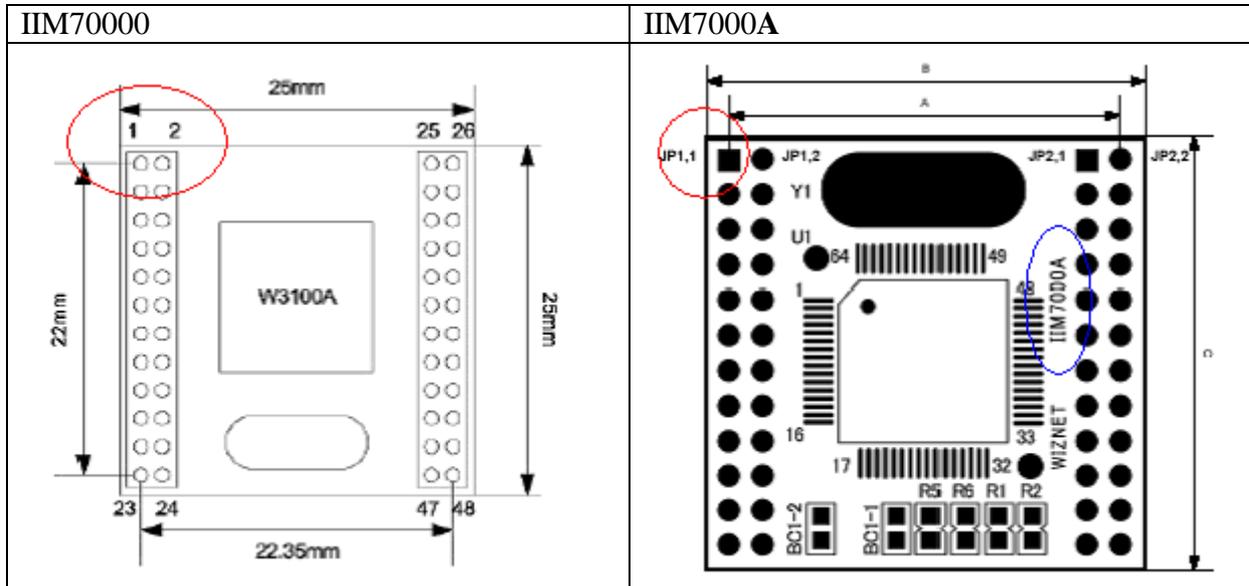


Difference between IIM7000 and IIM7000A

The IIM7000 is not available anymore. The IIM7000A need to be used instead.

The IIM7000 and the IIM7000A look the same at the first glance but they do differ !



When you look at pin 1 (marked in red), you can see that for the IIM7000A, the crystal is reversed!

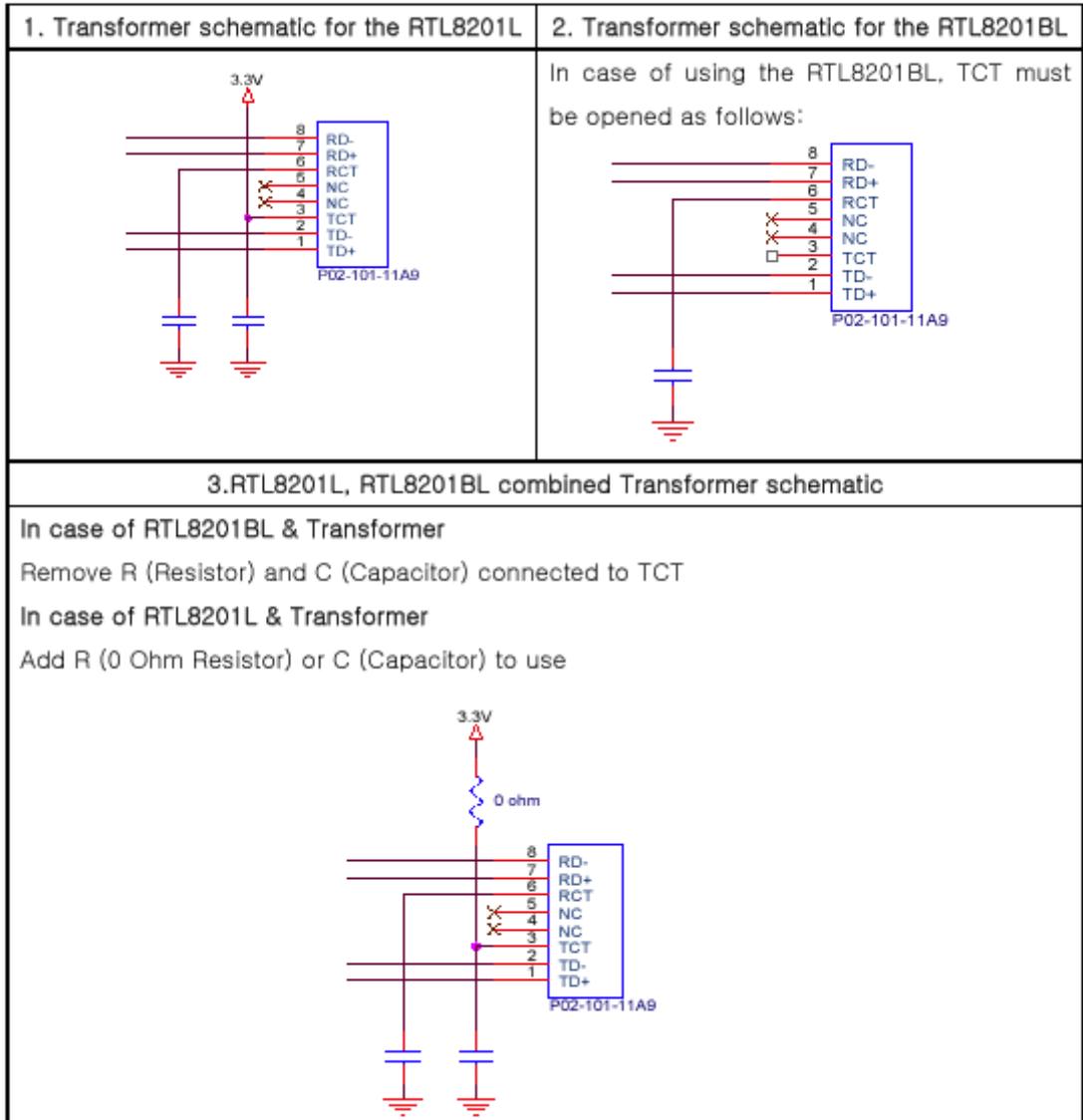
The pin numbers are still the same so when you have a design intended for the IIM7000, you need to take care that pin 1 is at the opposite corner.

How to determine if you have an old or new module? The IIM7000A has clearly printed on the top silk that it is an IIM7000A module. (Marked in blue). You can also look at the dot on the W3100A chip that marks pin 1.

Since a different Ethernet interface chip is used (the reason to modify the IIM7000), the transformer must be connected differently.

On the next page is some information from Wiznet :

[How to interface with transformer]

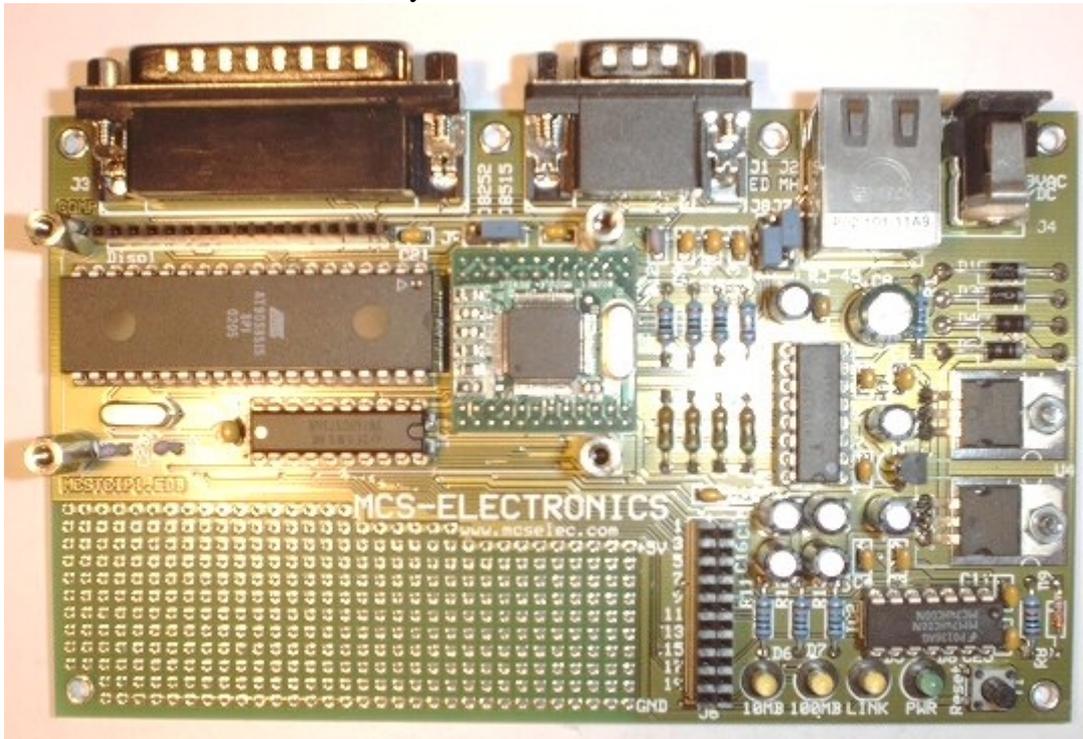


Method 1 was used for the IIM7000.

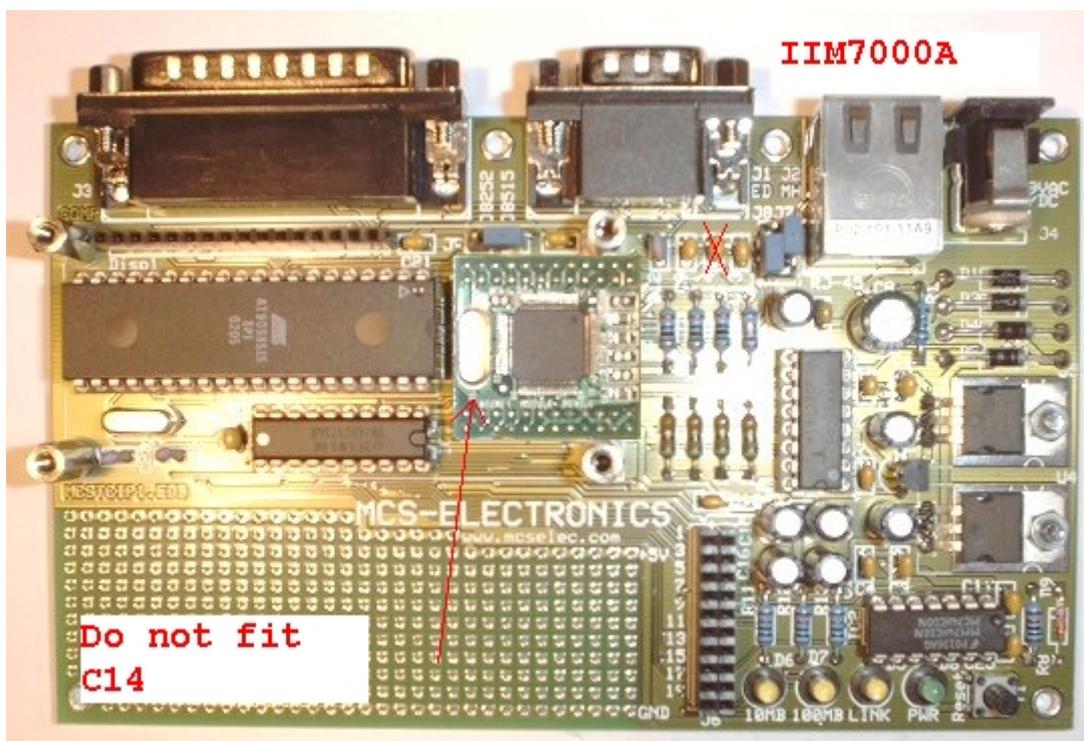
Method 2 must be used for the IIM7000A.

The difference is small. When your design is for the IIM7000, just remove the capacitor and remove the connection to VCC.

How to make an old Easy TCP/IP board(MCSTCPIP2.EDB) suitable for a IIM7000A
This is simple : first make sure that you insert the module the proper way. So the crystal of the module does NOT match the crystal drawn on the PCB.

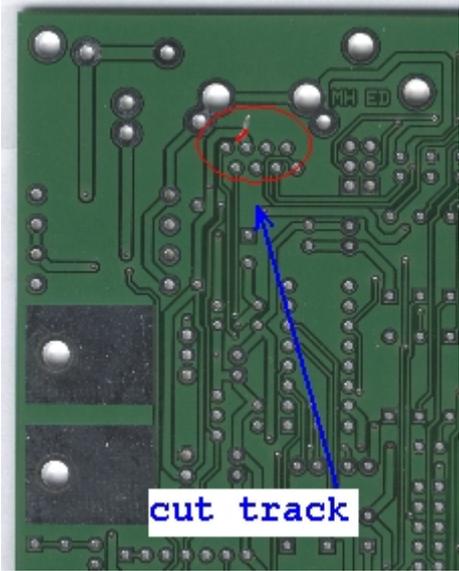


This PCB shows that a IIM7000 is fitted.



This PCB shows that an IIM7000A is fitted. Note that C14 must not be fitted.

Besides omitting the capacitor, you need to cut the track to VCC



This is only needed for IIM7000A module placed on a MCSTCPIP2.EDB revision board.