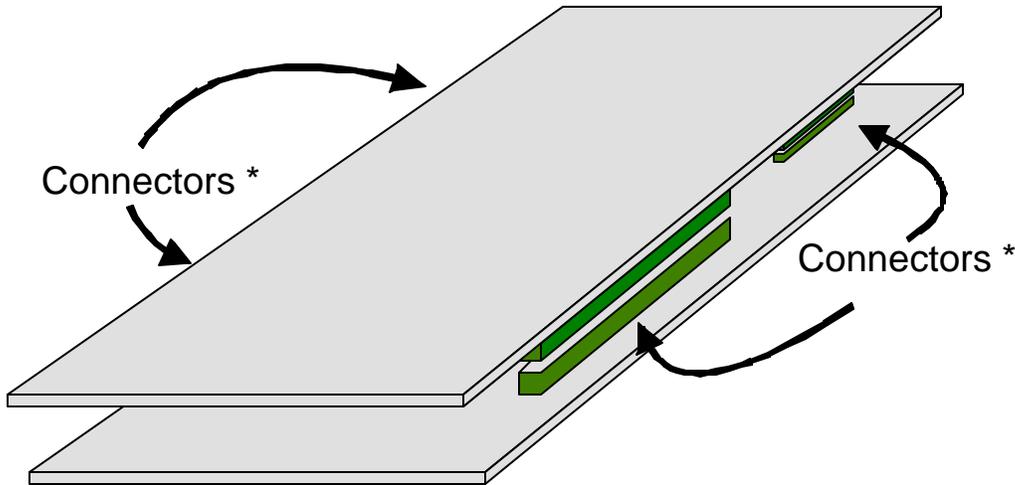


## Separating Boards

### WARNING:

If it is necessary to separate the emulator from the trace board or the adapter (see below) from the emulator board, USE EXTREME CARE. Only minimal force is necessary to separate the connectors. Excessive force can tear the connectors from the board, rendering it unrepairable. This is not covered under warranty.

### Proper Method to Separate Boards



\* Note: There may be multiple connectors on your boards.

1. Start at one corner of boards, and lift just slightly.
2. Repeat gentle lifting at other corners.
3. At first corner, again use minimal force to lift and part connectors.
4. Again, repeat gentle lifting at other corners.
5. Continue in this fashion until boards are separated.

# Adapter Disclaimer

December, 1997

Depending on your target, you may have purchased an adapter for use with Nohau's emulator system.

## **BEFORE YOU ADAPT NOHAU'S POD BOARD TO YOUR TARGET:**

Please be advised that some difficulties have been experienced when adapting Nohau's pod board to a target due to improper placement or positioning of the adapter, especially with plcc and clip-over adapters. Often this is because it is extremely easy to damage the adapter, the socket, or create shorts by offsetting the pins when positioning the adapter. Clip-over adapters for 132+ SQFP pin packages and low profile plcc sockets have the highest potential for failure due to bad connections, and only get worse with wear. Solder down, direct pod header connections, DIP and PGA adapters have proved to be the most reliable. Another potential problem lies in working with full height versus low profile sockets.

Some examples of common problems are:

8051, 51XA, 251 and 68HC11 families: 40 pin dip adapter – Not verifying that pin 1 on the target is aligned with pin 1 of the controller on the pod.

All families: (1) Not realizing that the orientation of the adapter is not usually the same as the special emulation chip (refer to the manual or software); (2) Understanding that the adapter is connected to the bottom of the pod -- the side opposite the special emulation chip.

THEREFORE, PLEASE NOTE THAT IT IS THE USER'S RESPONSIBILITY TO ENSURE THAT THE ADAPTER CONNECTION IS SOLID. WITHOUT DOING SO, NOHAU'S EMULATORS WILL NOT FUNCTION PROPERLY AND MAY EVEN BE DAMAGED.

Other than using extra care when adapting Nohau's pod board to your target, one solution is for customers to design-in pin headers according to the dimension diagrams provided by Nohau for various chips (or solder-in connections in the case of clip-over adapters). Another suggestion is to ohm out a couple of lines from the pod to the target BEFORE turning on the power. If a few address lines or port pins ohm out properly, it is likely that the adapter orientation is correct.

### ***Removing an Adapter***

If it is necessary to remove an adapter once it is installed, please use **extreme caution** to avoid damaging the PC board. DO NOT USE ANY TYPE OF SHARP INSTRUMENT (like a screwdriver). Instead, we recommend using a plastic or rubber coated instrument, such as the handle of rubber coated pliers. Then, gently raise the adapter up from the board by inserting the coated instrument at each corner between the pins and carefully pushing up on the adapter (do not let the instrument touch the board itself). This may result in minor damage to the adapter, but will ensure that no damage is done to the board.

We hope that by calling your attention to these important matters, you will achieve prompt operational success of your Nohau emulator system.

Please call your nearest Nohau representative or contact Nohau Technical Support directly for more information.

### ***Soldering/Desoldering Adapter Services***

Unless you are highly skilled in soldering fine-pitch IC's, it may be a good idea to use a professional soldering company to do this for you. This procedure involves both removing IC's and soldering in the adapter. It is very easy to damage both your PC board and your adapter if you don't have the right tools and the proper skills required to do this properly. Nohau recommends the following two companies who can reliably perform these services, which may save you both time and money.

Best Electronics Soldering Technologies, Inc. (BEST, INC.).....(847) 699-1025  
Emulation Technology .....(800) 232-7837

Thank you.

Nohau Technical Support:

E-Mail:

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