
Assembly Instructions

78K0 ActivePRO PODs

This paper describes the replacement of a CPU specific module on the 78K0 Active PRO POD.

IC30600 is a complete development system for emulating 78K0/Kx1 devices, IC30601 is a complete development system for emulating 78K0/Kx2 devices and IC30602 is a complete development system for emulating 78K0/Fx2 devices.

iSYSTEM offers additionally IC30611 which is a 78K0/Kx2 CPU module and can be used with IC30600, IC30610 which is a 78K0/Kx1 CPU module and can be used with IC30601, and IC30612 which is a 78K0/Fx2 CPU module and can be used with IC30602.

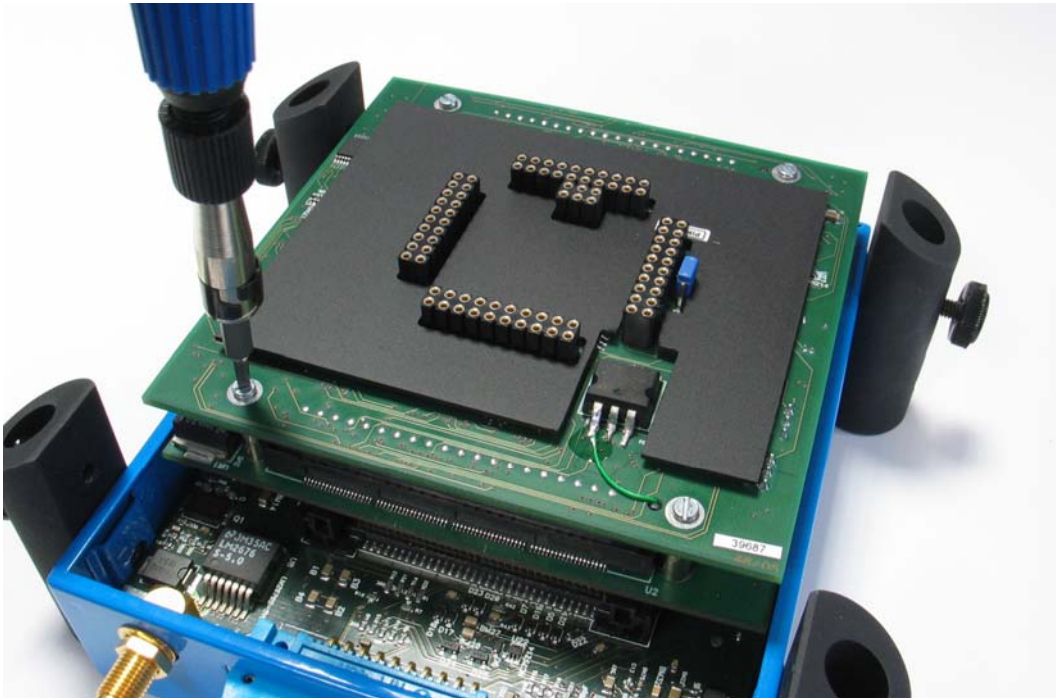
In order to use IC30611 with IC30600 or IC30610 with IC30601 or IC30612 with IC30602, the user needs to partially disassemble the IC30600/IC30601/IC30602 ActivePRO POD.

Replacing the CPU module

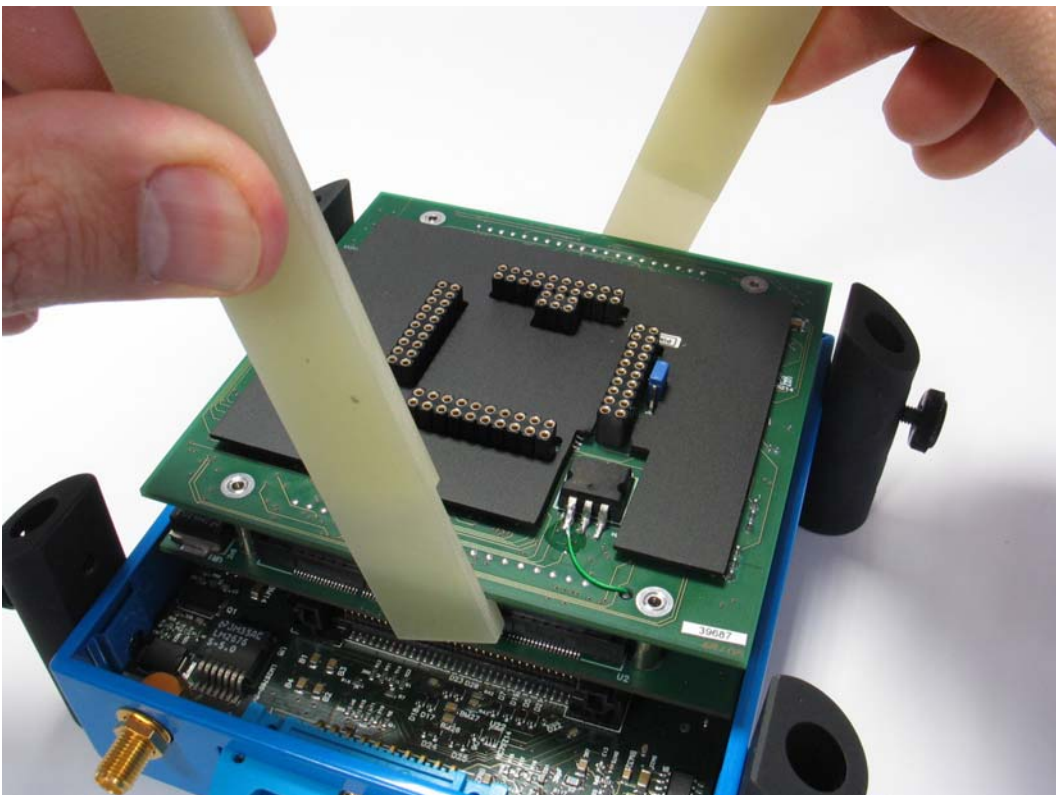
- Put the 78K0 ActivePRO POD (IC30600/IC30601/IC30602) on the desk in a way that the target POD pinout is on the top side.
- Make sure that there is no power supply applied to the development system.
- The POD housing has 4 small black columns in the corners. Remove completely the top screw at each column and only loosen slightly the bottom two screws.



- Remove the top part of housing
- Allocate 4 screws on the top PCB and remove them.



- Use two Mictor extractor tools that are delivered beside the POD to dismantle the top PCB (CPU specific module). Be very gentle not to damage the very sensitive Mictor connectors, which connects the two PCBs together.



- Take the CPU module off and install the new IC30610/IC30611/IC30612 CPU module. IC30610/IC30611/IC30612 cannot be inserted incorrectly. Both PCBs that connect together have Mictor connectors designated. U2 connects to U2 and U5 connects to U5. Gently press the newly installed IC30610/IC30611/IC30612 module down to the POD.



- Screw back the IC30610/IC30611/IC30612 CPU module with the original POD screws.
- Put back the cover and half tighten the top screws on each small column. Some skill may be necessary to put back the top screws. It's recommended to use a magnetic screw driver, which holds the screw already.
- Position the cover in a way that it's aligned on all sides and then screw all three screws on each of four columns. Straighten the small columns before final tightening.

Due to the sensitive Mictor connectors used in the development system, the user should not exchange the CPU module more than 5-10 times. Otherwise the POD may cease to work or the emulation may become unreliable.

Notes:

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