



5405 Morehouse Drive, Ste 350
San Diego, CA 92121
858.558.0293 phone
858.558.8549 fax

Convert Revision 1.5 or later Mod5270 to Mod5270B

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Description

As of assembly revision 1.5, the Mod5270 SDRAM was upgraded from 2Mbytes to 8Mbytes. These modules are compatible with all earlier 2Mbyte versions of application firmware. To take advantage of the addition 6Mbytes of SDRAM you need to change the application platform name from “MOD5270” to “MOD5270B”. This only needs to be done once, and that point forward the module will remember it is a MOD5270B.

Procedure

1. Build an application with the Platform name of “MOD5270B”. In NBEclipse, you can do this by right-clicking on your existing MOD5270 project, selecting “properties”, then changing the platform name.
2. Download the new application using the boot monitor serial download, or by deleting the S0 line in the application srecord xxx_APP.s19 file. See procedures below.

Boot Monitor Serial Download Procedure

1. Start the NetBurner MTTY serial dumb terminal. Default serial parameters are 115,200, N, 8, 1.
2. Connect the debug serial port of the Mod5270 to your PC.
3. Reset or power cycle the Mod5270 device. When you see the “Waiting 2 seconds to boot... 'A' to abort” message, type an ‘A’ in MTTY.
4. At the NB> prompt, type “fla” and hit the enter key.
5. Press the F5 function key and MTTY will bring up the serial text download dialog box. Browse to your project’s xx_APP.s19 file, then initiate the download.

Modify the S0 line of the S-Record Procedure

1. Open your xx_APP.s19 application file in a text editor or NBEclipse.
2. Delete the first line of the file, which should begin with ‘S0’, and contain the platform name. This will disable the platform name check.
3. Use the Autoupdate utility to update the Mod5270.