Motorola S hex format for TMS570LS0432

Jason Zhang68
192.163.20.232

Expert 3690 points
🏢 Texas Instruments

Other Parts Discussed in Thread: UNIFLASH, TMS570LS0432 Hi team, One of our customers is using TMS570LS0432 and they used CAN bootloader to update the program in our 570. For the GUI at PC side, only motorola hex -m=3 file could be recognized. I used CCSv 6.1 to generate the related files but found that not only the .hex file is generated but also .m1, .m2 and .m3 files are also there. I tried to use UniFlash to download the hex file into the MCU but it seems that it can't be downloaded successfully. Do you have any suggestion on the case? Which file should I use? Thanks!

over 9 years ago

AartiG 192.94.94.106 *over 9 years ago*   TI__Guru**** 173310 points

Jason,

The number of output files created by the hex utility is dependent on the memwidth and romwidth values, which get set to some default values if the user does not explicitly specify one.

Please see this wiki article as well as the ARM Assembly Language Tools Users Guide.

Similar to the intel hex format mentioned in the wiki article, the default ROM width for the Motorola S format is 8 while the default memory width for ARM processor is 32, hence the hex utility will generate 4 output hex files. If you set the romwidth to 32 in the hex utility options, you will get a single hex output file which you can use for flashing.

Jason Zhang68 *192.163.20.231* *over 9 years ago* *in reply to AartiG*   TI__Expert 3690 points

Hi AartiG,

It works. Great thanks for your help!

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