

## Re: ADSP BF538\_Board Bring Up Query

---

*Source:* <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2007-07/msg00500.html>

---

- *From:* David Tweed <dtweed@xxxxxxx>
  - *Date:* Wed, 18 Jul 2007 14:39:17 GMT
- 

Nutty wrote:

Could u please share ur loader module?? So that i can get some idea abt the boot loader. I don't have any knowledge on boot loader.

No, sorry, our custom loader was done as work-for-hire, and I can't share it. But the stanard ADI loaders can be found in your VisualDSP install directory:

.../VisualDSP\_4.5/Blacfin/Flash Programmer Drivers/...

In BF538, there r different booting methods. How to select the perticular method. Like which one is best? On wht basis should i come up with perticular method?  
Please guide me.....

It really depends on the context in which the Blackfin is used.

If it is running more or less standalone, you'll want to boot it from a flash chip, either 8-bit parallel or serial SPI, depending on code size and cost constraints. For example, our design prototype uses the 8-bit parallel flash built into the -BF538F, but to save a couple of pennies, the production unit uses a -BF533 booted from SPI flash.

If it is always operating directly attached to another processor that has flash memory of its own (even another Blackfin), it may be worthwhile to store the Blackfin code in the host processor's flash and do a host boot of the Blackfin.

If you need the absolutely quickest start-up, you may want to put the code in 16-bit wide external flash attached directly to the Blackfin memory bus and operate in the "no-boot" mode.

— Dave Tweed

.