Subject: Re: Problems with DSP
Posted by Wayne Parham on Tue, 01 Nov 2005 15:56:13 GMT
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I've run into things like this before on digital systems. First, check the power. Even though it's a dedicated line, there may be a problem. Check the ground and make sure it has been wired properly. Then check for things that might spike the signal lines, induce a current into their grounds and make a loop, something like that. Try to get a handle on the exact time of the malfunction if you can. Either actually watch it or monitor it in some way. You may find that it always occurs at the same time, and that time may be when a compressor kicks on or something like that.I can't tell you how many times I've run into this only to find out that a factory assembly line process happens every day at 9:00pm or something like that, and it coincides exactly with a failure. Further inspection shows a ground loop or an induced spike in a signal line. These things are 90% observation and 10% deduction. Don't guess, look.