

## Re: DC Motor Control: H-Bridge +5A, 48v

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-04/msg04840.html>

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  - *Date:* Tue, 26 Apr 2005 14:33:21 -0700
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Mike wrote:

I'm looking for a h-bridge that can handle in excess of 5A continuous, 48v. I would really like to find something with these capabilities that uses SPI to communicate with a microprocessor.

Any ideas, anyone? Thanks.

We looked into something like this a few years ago; at that time nobody made monolithic parts that are rated for more than 40V or so, and I doubt the situation has changed. Apex makes hybrids that will drive that sort of voltage with a logic input, but they're \$\$\$ -- sensible if you're making a few and want to save on engineering, but not if you're making a lot.

Hopefully someone has made or will make a controller for this where you can add a couple of FETs and get a half-bridge. It certainly makes sense given that the automotive market is going over to 42V rails.

As far as SPI to a microprocessor goes -- good luck! Your best bet will probably be to put an itty bitty micro right next to a plain old amplifier.

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