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<u>Home</u> > BNC Shield Demo

BNC Shield Demo

The new BNC (formerly called PHORPDuino Shield) is here! This revision has some very exciting changes. (The pic says V0.2, that's just because all the V0.3's are gone. Only difference is spacing added between some caps).

Key New Features

1. Analog input is pinned out. User can select via a jumper which analog input they wish to use.
2. Added some buffering to make readings more stable. Previous versions jumped around a bit. That's fixed.
3. Removed the second BNC connector (to add in buffering)
4. MCP3204 is available (not standard). This adds in 12 bit readings
5. 2 trim resistors for rough/fine tuning
6. Added a reset button and reset jumpers
7. LED's added to show power to the shield is working (TC1121 to ensure V+ and V- is working)

Without further ado, here's some pics:

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http://practicalmaker.com/sites/$new_url/files/imagecache/400x400/sites/$new_url/files/userfiles/IMG_0861.JPG

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http://practicalmaker.com/sites/$new_url/files/imagecache/400x400/sites/$new_url/files/userfiles/IMG_0891.JPG

And a video demonstrating the shield:

Source URL: <u>http://practicalmaker.com/blog/bnc-shield-demo</u>