New, Fun Stuff

(No… not THAT kinda Fun, Christmas FUN Stuff!)

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aka: ukewarrior @ DIYC

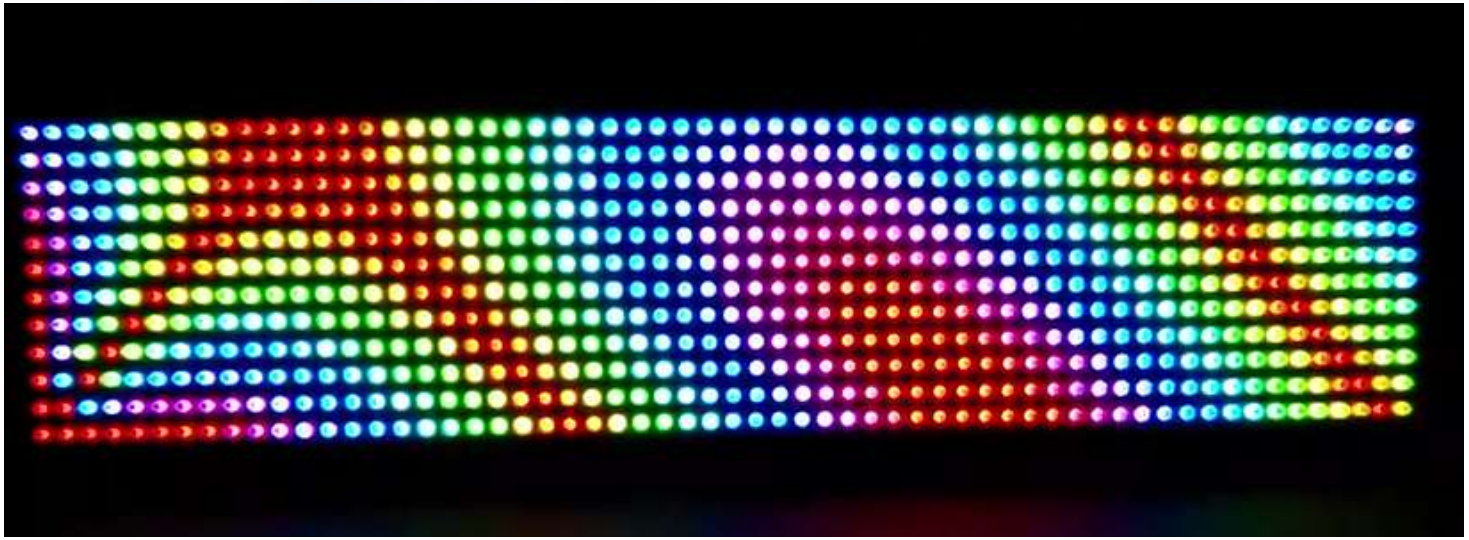
May 12, 2018

Do It Yourself Christmas.com

Fun fun fun, till daddy took her T-Bird Away

- Free Stuff !
- $5 Pixel Controllers !
- Really BIG Items…

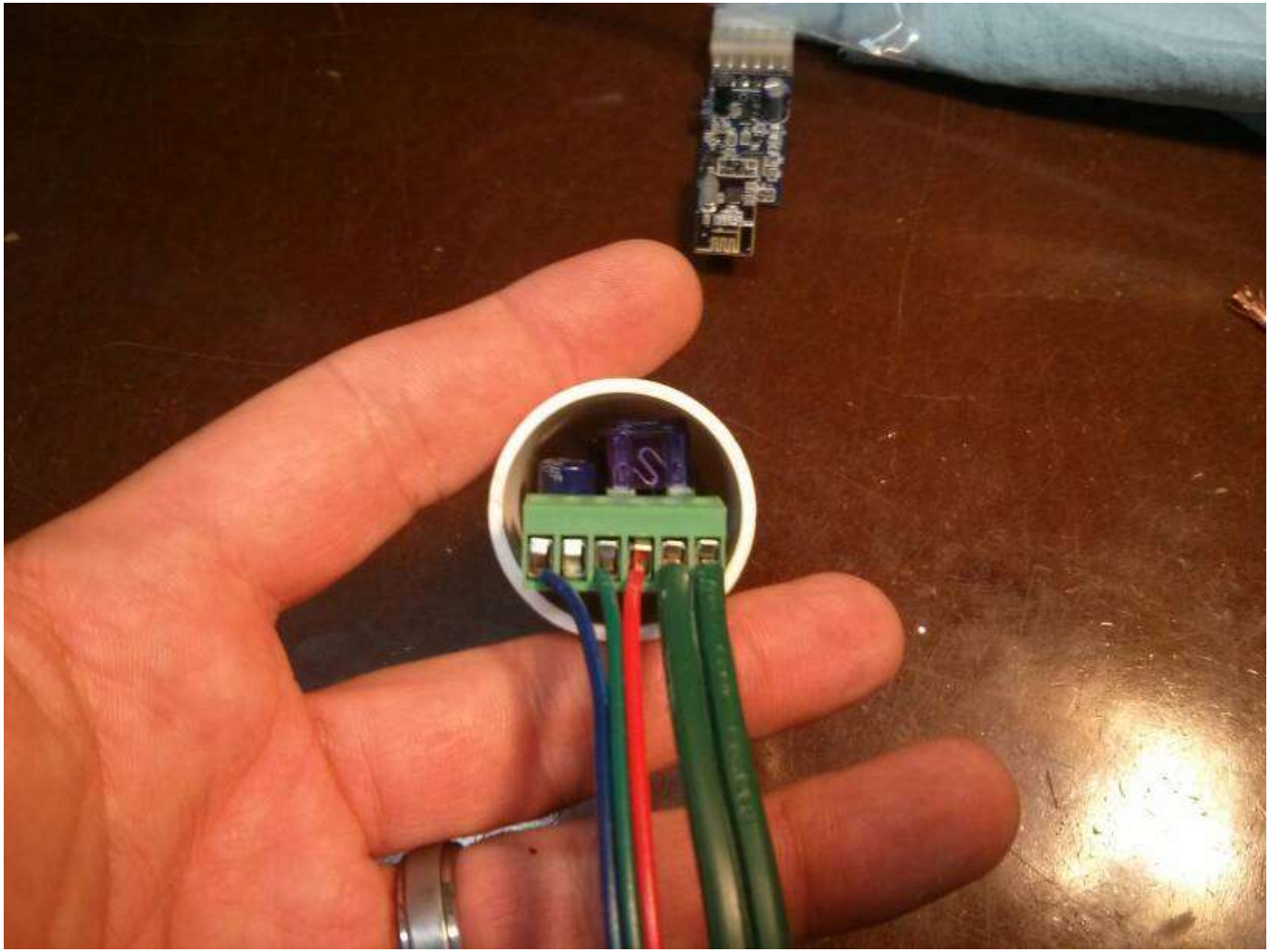
ESPixelStick, an update…



720 Pixels across 5 Universes on one ESPixelStick.
Sequenced in Vixen 3 and played via FPP at 25ms

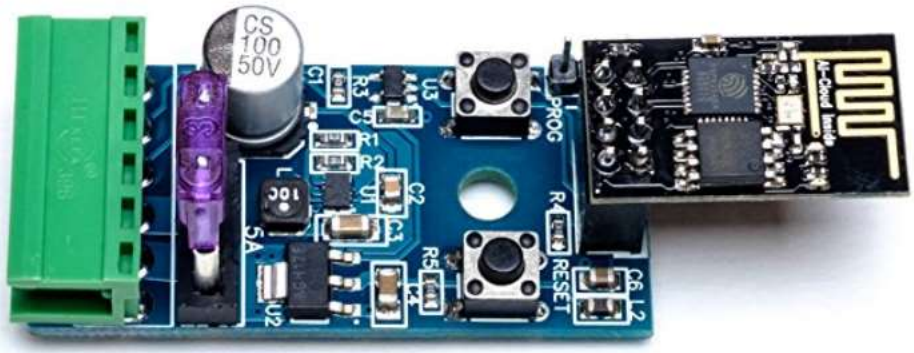
ESPixelStick

- Designed to fit inside a 1” thinwall PVC pipe.



Get it on Amazon - $20 (free prime shipping)

- 1 Universe -> 4 Universes
- 170 pixels -> 682 pixels (or more)
- WiFi
- Open Source, fully documented



Forkineye

ESPixelStick - Wireless DMX Pixel Controller Kit

27 customer reviews | 18 answered questions

Currently unavailable.

We don't know when or if this item will be back in stock.

- Provided in Kit form - MUST BE PROGRAMMED
- No soldering required
- Supports sACN DMX (E1.31) over 802.11b/g/n Networks
- Supports up to 680 WS2811 or WS2812 Pixels - 4 Universes of DMX data
- Supports up to 63 GECE Pixels

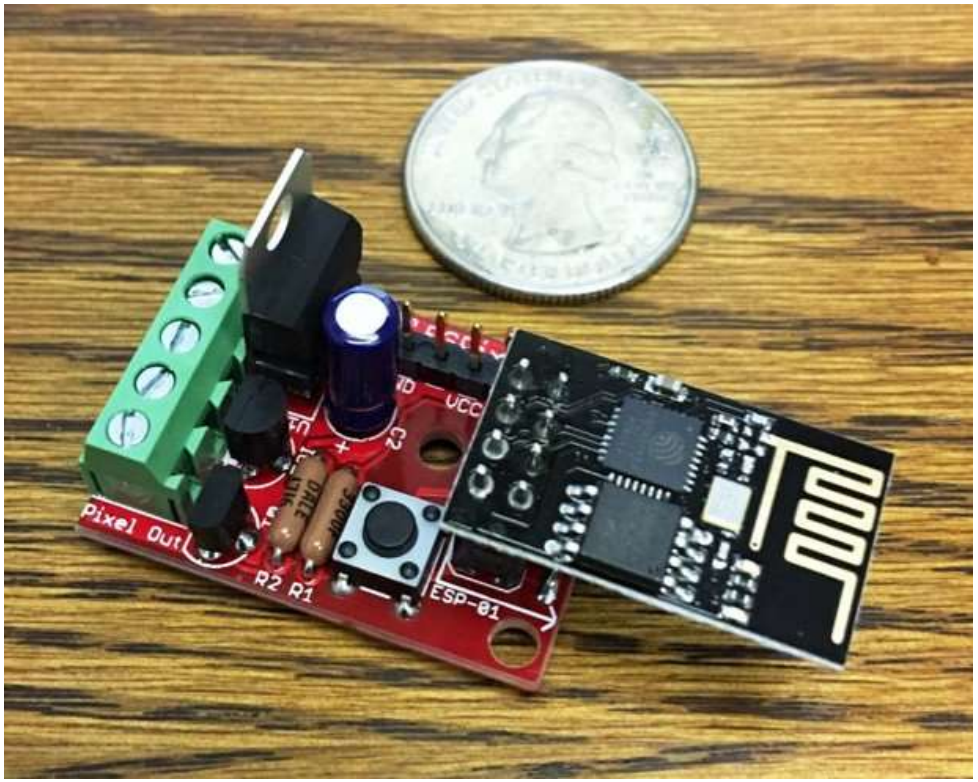
Report incorrect product information.

prime student College student? Get FREE shipping and exclusive deals LEARN MORE

From $20 to $5 DIY Alternative

Like the idea of the Pixel Stick but want to build you own?

Have no Fear ! * Pixel Pops is Here *



ESPixel Pops and Pops Tiny

Same software functionality as the ESPixel Stick.

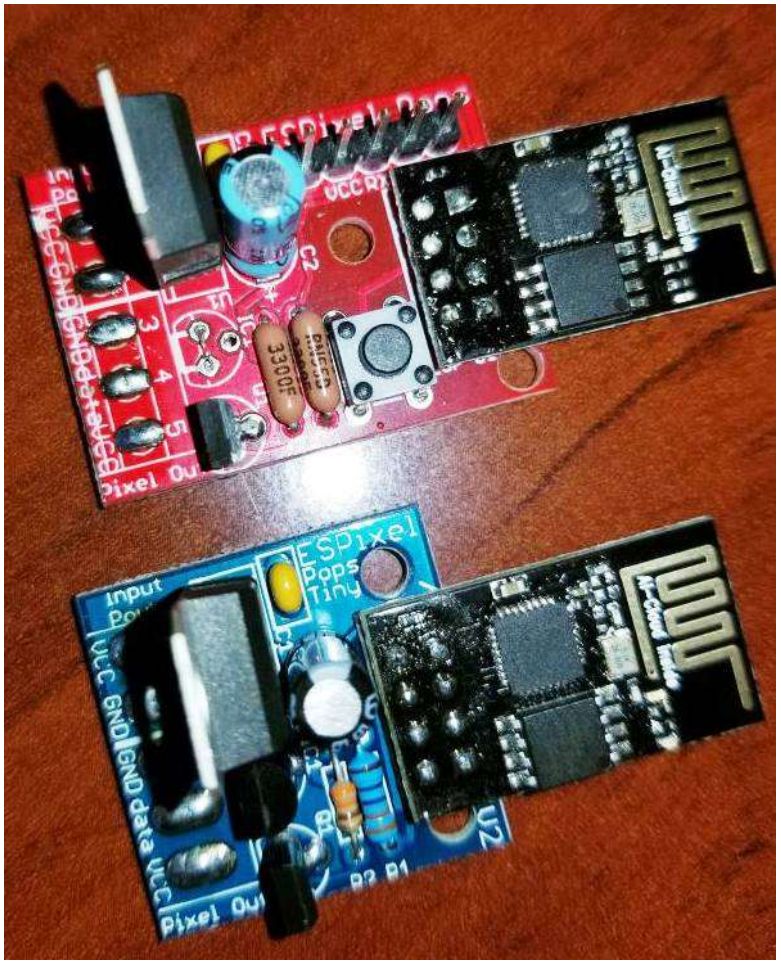
All the ‘sticks’ are just carrier boards for the ESP8266

Pixel Pops and Tiny are identical except the Tiny is missing the programming header and parts to program the ESP8266

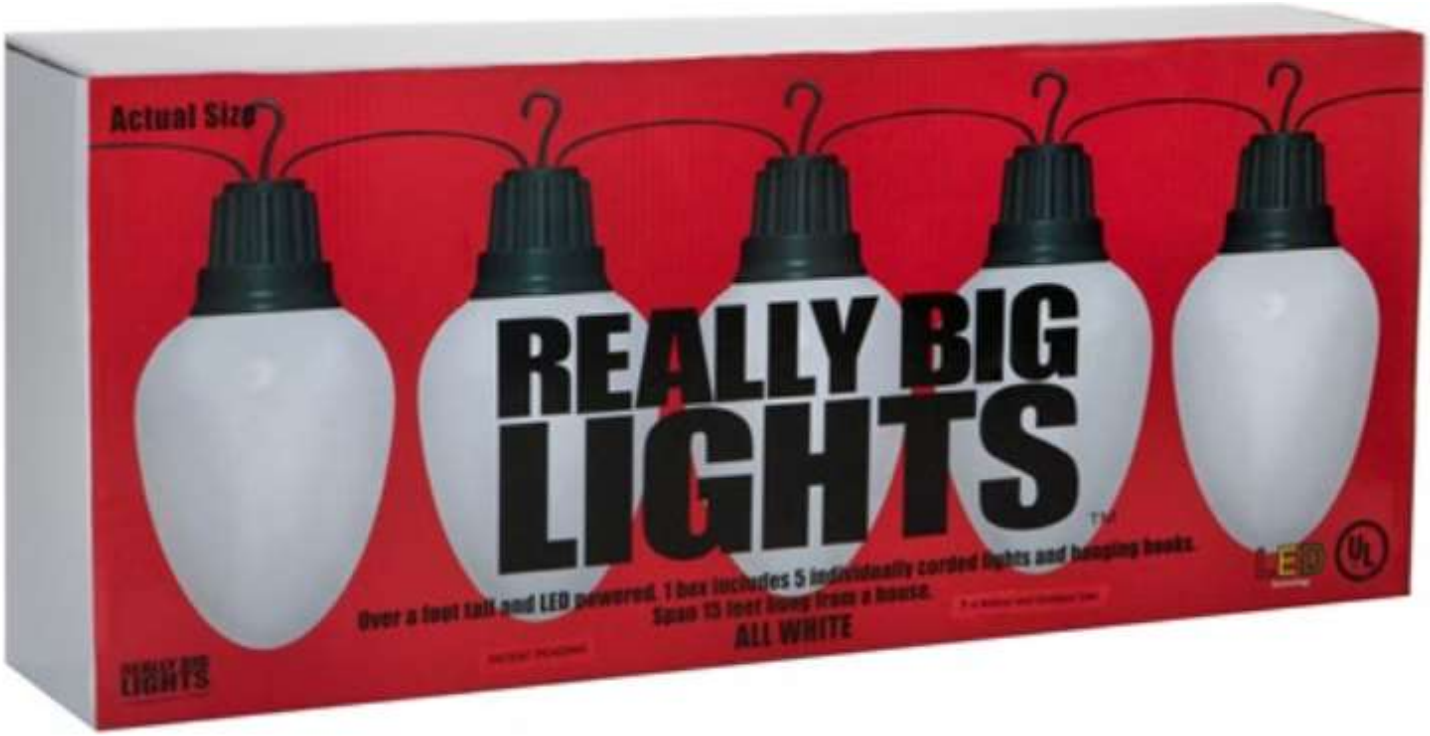
Designed to also fit in 1” conduit

All through hole parts-repairable

Boards cost: 50 or 32 cents. Parts are under $3 + ESP8266 ($2.41+.32+$2=$4.73)



Really Big Lights - Pixelized



These are easily Modified for Pixel Support.

- Pixel Spots
- Pixel Modules
- Bullet Pixels

Really Big Lights - Pixelized

Pixel Spot Demonstration

Original Design and thought by: Plasmadrive

Youtube video:

https://www.youtube.com/watch?v=4-QYJc3TrEs

Really Big Lights - Pixelized

Want full waterproof connections? NPT 1" cable gland

Really Big Lights - Pixelized

Mount them vertically on Rebar ! 3D Adapter on Thingverse.

Really Big Lights - Pixelized

- *caps that slide over the end of the pvc,*
- *that slide into the pvc,*
- *the original ones that do not require any pvc and snap into the original light holder of the rbl*

Really Big Lights - Pixelized

Really Big Lights - Pixelized

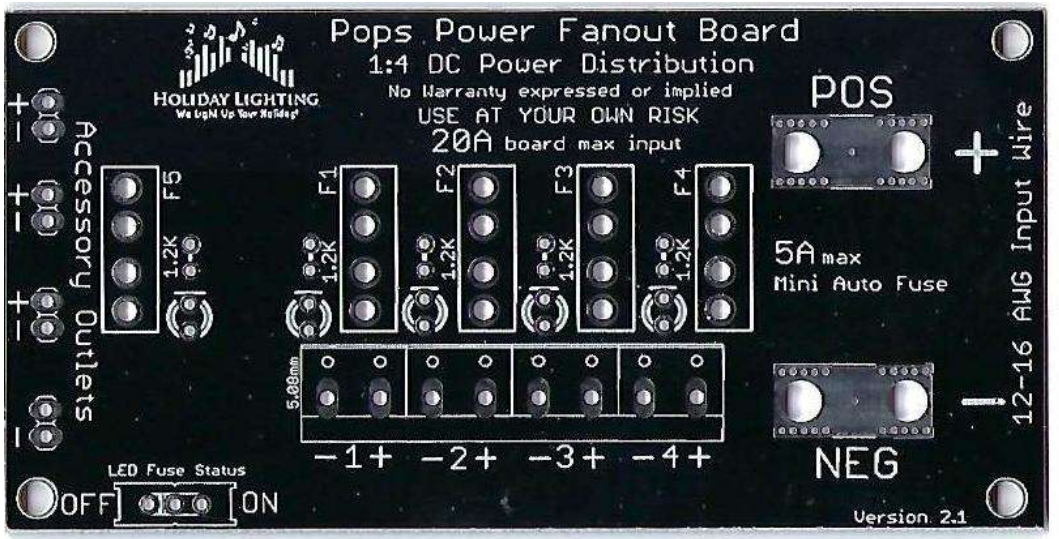
Bullet Pixels Adapters from alllayeredup3D

Holiday Lighting Products

HOLIDAY LIGHTING
We Light Up Your Holiday!

Need to breakout your Power Supply?

- Up to Four Power Outputs
- Auxiliary Power Output
- All Outputs are Fused
- Board, Kit or Pre-Made
- Easy to Solder together
- Rigorously Load Tested
- On demand Status LEDs
- Full *wiki* Documentation
- Bare PCBs are $3
- Full parts kits are $8
- A full kit will be in the Raffle !



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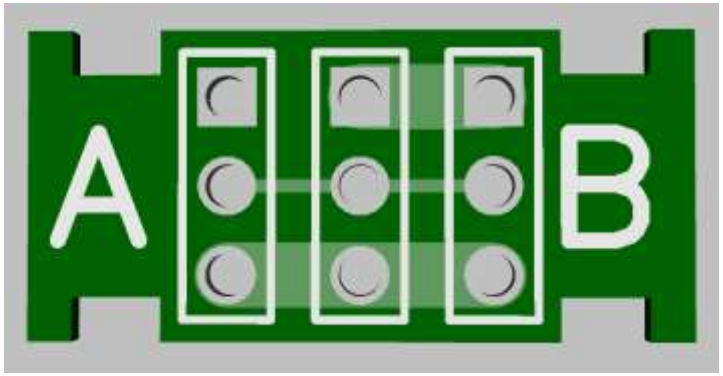
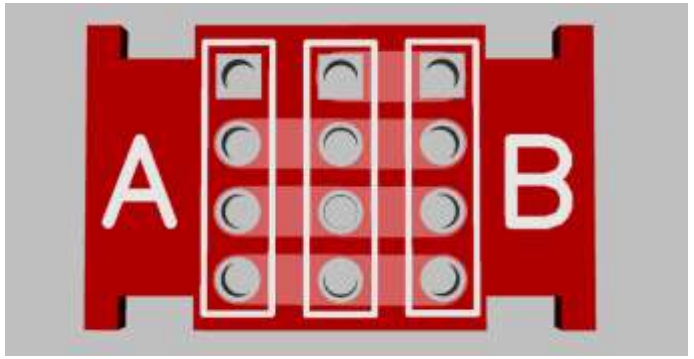
Need to Repair or splice together Pixel Strings?

2 Versions: A 3 wire Smart RGB pixel and a 4 wire Smart RGB with clock/Dumb pixel version which has 4 sets of 3 holes. The Ground, Data and Clock holes for all three/four sets are bussed together. The power line is bussed only from the middle to the B position. When using as a splice, solder your pixel wires to the middle and B set. When using as an injection tap, solder the dead end of the string to the A side, solder the incoming power and ground to the middle set, and the beginning of the next string to the B side.

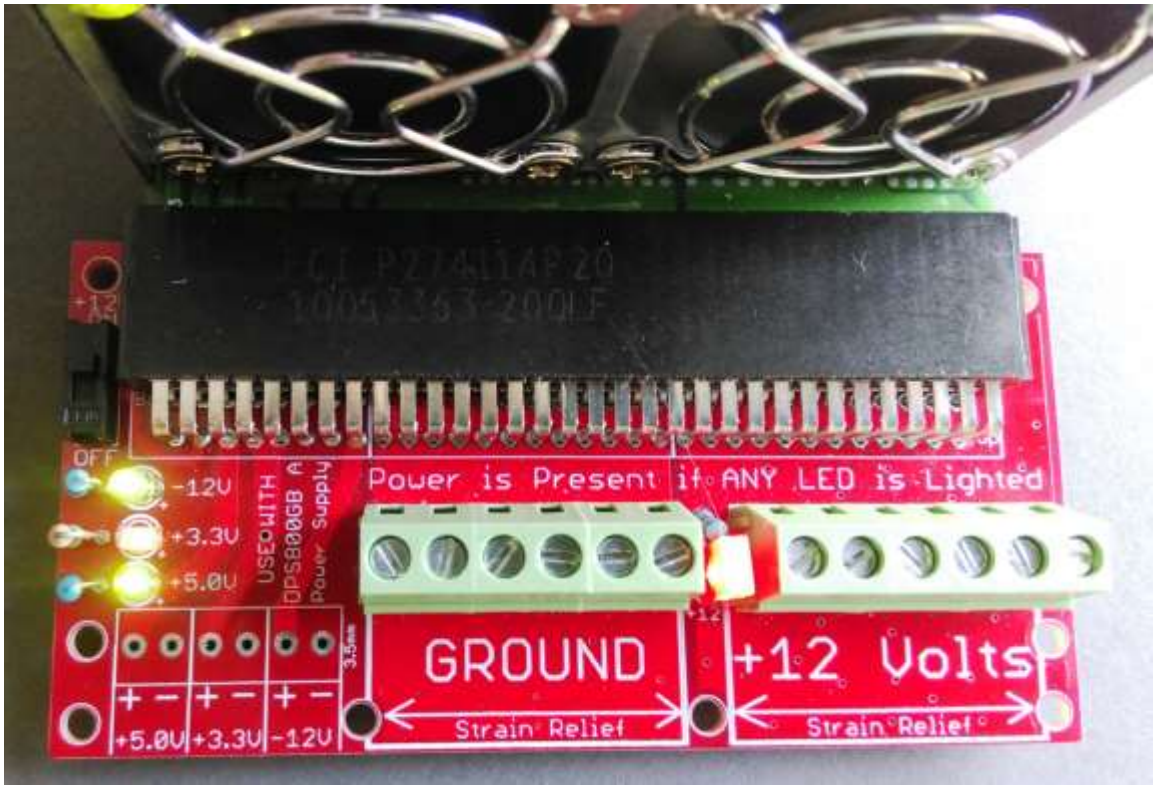




Both versions have notches near the ends to grab wire ties for strain relief.

Cheap Power Supplies ?

As an alternative to the ubiquitous Meanwell supplies, folks have been repurposing super high quality Server power supplies.Why? Because they are inexpensive for the Watts produced. However, they are not general purpose and do not come with a terminal strip across the back for direct wire connection.Therefore, you can find various breakout boards to connect to these proprietary designs.



Pixel Pushers

A jig to hold your Boscoyo Pixel Strips during pixel insertion

A companion set of hand tools is available

Own a 3D printer? Make your own. stl file on thingverse

Purchase at https://www.etsy.com/shop/alllayeredup3d ($12)

David Haberle's Creations

Dave Haberle is a Minnesnowtan that has too much time on his hands. (likely a result of living in Minnesota !)

Through the years he has created a number of unique and gap filling products. They pretty much are all inexpensive and available as kits to keep the prices down.

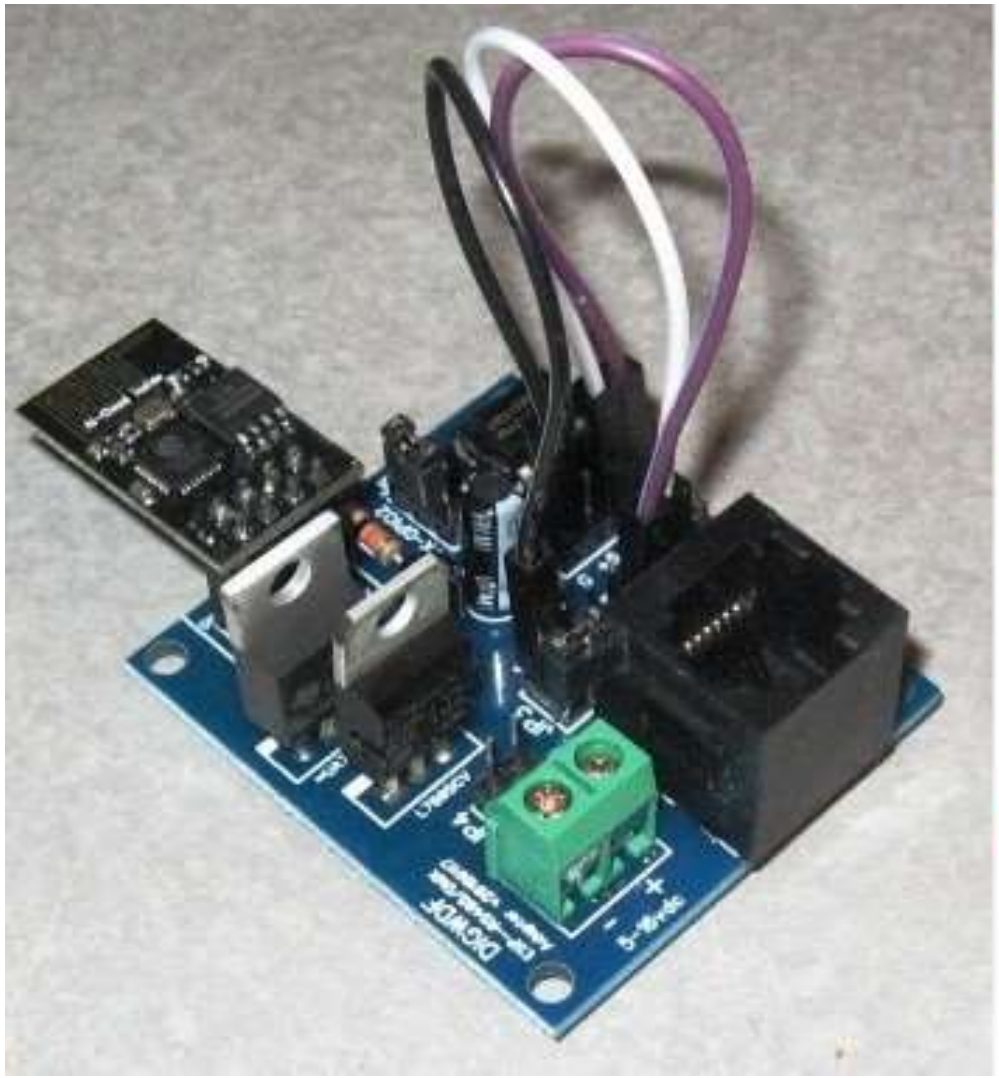
Dave's 'handle' is : *Dirknerkle* *http://digwdf.com/store/*

Dirknerkle's Inventorium and Generally Worthless Device Factory

Oh, by the way, 100% of the meager profits from the DIGWDF Store help pay the expenses of operating diychristmas.org: http://diychristmas.org/vb1

Mono Pixels

ESP-RS485/DMX Adapter (in the Raffle !)



So, you've got a few wired DMX controllers and wished they were wireless???

Here you go!

The DIGWDF ESP-RS485/DMX adapter!

A copy of this presentation is available for the asking.
Contact me at:
ukewarrior@yahoo.com