

DPRG RBNV 12/29/20202 Chat Transcript

Ponder SomeMore

7:44 PM

o dang - didn't know my off topic drivel was afflicting so many

Harold Pulcher

7:45 PM

no Ponder it was a good question. not everyone is a member or needs to be, but I have gotten such awesome info and attended so much that I should.

Been in several clubs that work this way.... show up so much and you should become a member.

Kevin Shin

7:47 PM

Thank you, joining today!

Kevin Shin

7:51 PM

I am a new PAID member now!

You

7:51 PM

Welcome Kevin! Thanks! Proud to count you in our official ranks!

Ponder SomeMore

7:53 PM

<https://dshs.texas.gov/coronavirus/immunize/vaccine/EVAP-Phase1B.pdf>

Ponder SomeMore

8:05 PM

Found a vaccine provider map:

<https://txdshs.maps.arcgis.com/apps/webappviewer/index.html?id=91ac7fb5e5fd47e7ada4acfe4a05920a>

Ray

8:08 PM

Karim - Yes thank you - that one is also on nbcdfw.com

You

8:30 PM

Some links for our discussion on L298 motor

driver http://wiki.sunfounder.cc/index.php?title=Motor_Driver_Module-L298N

<https://www.instructables.com/Tutorial-for-MD-L298-Motor-Driver-Module/>

You

8:34 PM

<https://www.st.com/en/motor-drivers/l298.html#>

Datasheet for the ST Micro version of L298

<https://www.st.com/resource/en/datasheet/l298.pdf>

Ponder SomeMore

8:41 PM

"A major advantage of Locked Anti-phase control is that only one control signal is required to control both the speed and direction of a motor load. Simply modifying the duty cycle adjusts the average voltage and current to the load for speed control and the direction of rotation depends on whether the duty cycle is greater than or less than 50%"

Now h-bridges vs ESCs

Dave Ackley

8:46 PM

<https://www.pcb-3d.com/tutorials/what-is-a-h-bridge-sign-magnitude-and-locked-anti-phase-control-of-a-dc-motor/>

Chris N

8:52 PM

I was looking at the same page.... They don't mention that 3rd type where the motor is allowed to coast. Maybe that coasting mode is not even available on all H-Bridge ICs. I do recall using this on the old L293D a long time ago...

Ponder SomeMore

8:57 PM

split a bamboo skewer with an x-acto knife and dip into the loctite like a nib into an inkwell makes a precise applicator

Jian Shi

8:59 PM

En = HIGH, A = 5V or 0V, B = PWM

You

9:00 PM

Karim - I like the bamboo skewer plan for loctite. After I cleaned out & re-lubed the motors, I reverted to the backup method, and dipped the screw into a puddle of loctite, touched the screw to a paper towel to pick up excess fluid / leaving a very thin coating on just the threads. That method worked well...

Kevin Shin

9:03 PM

I have to get moving now. See you all later!

You

9:05 PM

See you Karim - Happy New Year!

Ponder SomeMore

9:06 PM

That was Kevin - I'm still here

.. i think

You

9:11 PM

opps ;-)

doug paradis

9:11 PM

<https://www.pololu.com/product/3412> - 160 degree, 1m, TOF sensor

doug paradis

9:15 PM

currently due to sale it is 21.57

You

9:19 PM

As we were discussing wooden robots - Turns out there was a recent announcement of wooden satellites... <https://www.bbc.com/news/business-55463366>

Ponder SomeMore

9:24 PM

French class was required when I was 12 in BC

Ray

9:27 PM

Karim aahh your from Canada.

Ponder SomeMore

9:28 PM

still a Canuck by citizenship

Ray

9:30 PM

www.pyimagesearch.com

Pat Caron

9:34 PM

I speak french also

use it daily in the sawmills

Ponder SomeMore

9:41 PM

I'm paying .12

You

9:46 PM

wow - just looked at our last bill -

1520 kWh, cost \$143.00 including fees => \$0.094 / kWh

You

9:48 PM

billing agent is CoServ

Harold Pulcher

9:50 PM

Well, with CoServ you are kinda stuck. At least that is what I remember. CoOps don't have to allow other companies in the area.

Ponder SomeMore

10:07 PM

I'm still paying DMS and haven't been there since March

Chris N

10:10 PM

FYI, paying \$0.207 per kWh here in CT

60% of that is "Delivery"

You

10:11 PM

yikes! Chris N - Makes you want to wear parkas indoors and keep the lights and heater off!

Harold Pulcher

10:12 PM

which is probably a company that you have never heard or and have no ability to change.

Pat Caron

10:27 PM

Thanks for the warm welcome. it's getting late 11:30pm here in Ontario. I'll try to be back on next week.

Jian Shi

10:36 PM

I got this one for

\$350: https://www.amazon.com/gp/product/B012938E76/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

You

10:36 PM

I have had good luck with this brand of USB

https://www.amazon.com/Hantek-Portable-Oscilloscope-Analyzer-Diagnostic/dp/B01N74XEAN/ref=sr_1_8?dchild=1&keywords=Hantek+Oscilloscope+USB&qid=1609302943&sr=8-8

You

10:38 PM

https://www.amazon.com/dp/B01N0EL374/ref=sspa_dk_detail_5?psc=1&pd_rd_i=B01N0EL374&pd_rd_w=VH50B&pf_rd_p=7d37a48b-2b1a-4373-8c1a-bdcc5da66be9&pd_rd_wg=T1ULU&pf_rd_r=2DCVB82YRT3MQK7J84D3&pd_rd_r=ff03e62d-e708-411f-8403-1a18b2cf1f26&spLa=ZW5jcnlwdGVkUXVhbGlnaWVyPUFSQlc3M1NPVfYxOUYmZW5jcnlwdGVkSWQ9QTAyMjAyNTAyUUU0RTA4RjNUQkxTJmVuY3J5cHRlZEFkSWQ9QTA1NTM1ODMzUTdXSFI4U0VVCVIZTJndpZGdldE5hbWU9c3BfZGV0YWIsJmFjdGlvdj1jbGlna1JlZGlyZWNOJmRvTm90TG9nQ2xpY2s9dHJ1ZQ==

https://www.amazon.com/Hantek-DSO5102P-Digital-Storage-Oscilloscope/dp/B01EJLZYN8/ref=sr_1_7?dchild=1&keywords=Hantek+Oscilloscope+USB&qid=1609302943&sr=8-7

doug paradis

10:39 PM

Rigol DS1054Z Digital Oscilloscopes - Bandwidth: 50 MHz, Channels: 4 - <https://www.amazon.com/Rigol-DS1054Z-Digital-Oscilloscopes-Bandwidth/dp/B012938E76>

You

10:41 PM

Cool device – Blue Tooth Low Energy ‘test pen’, serves as DMM, Data logger, or contributes 1 channel of an up to 4 channel Digital Sampling Oscilloscope. Captures data & sends via BLE to use mobile phone or tablet for data display and controls...

<https://shop.pokitmeter.com/>

You

10:47 PM

here's a 4 channel version with 250 MHz to 1 G samples / seconds https://usa.banggood.com/Hantek-6254BC-PC-USB-Oscilloscope-4-Channels-250MHz-1GSa-or-s-Waveform-Record-Function-Porta-p-1375813.html?utm_source=googleshopping&utm_medium=cpc_organic&gmcCountry=US&utm_content=minha&utm_campaign=minha-usq-pc¤cy=USD&cur_warehouse=CN&createTmp=1