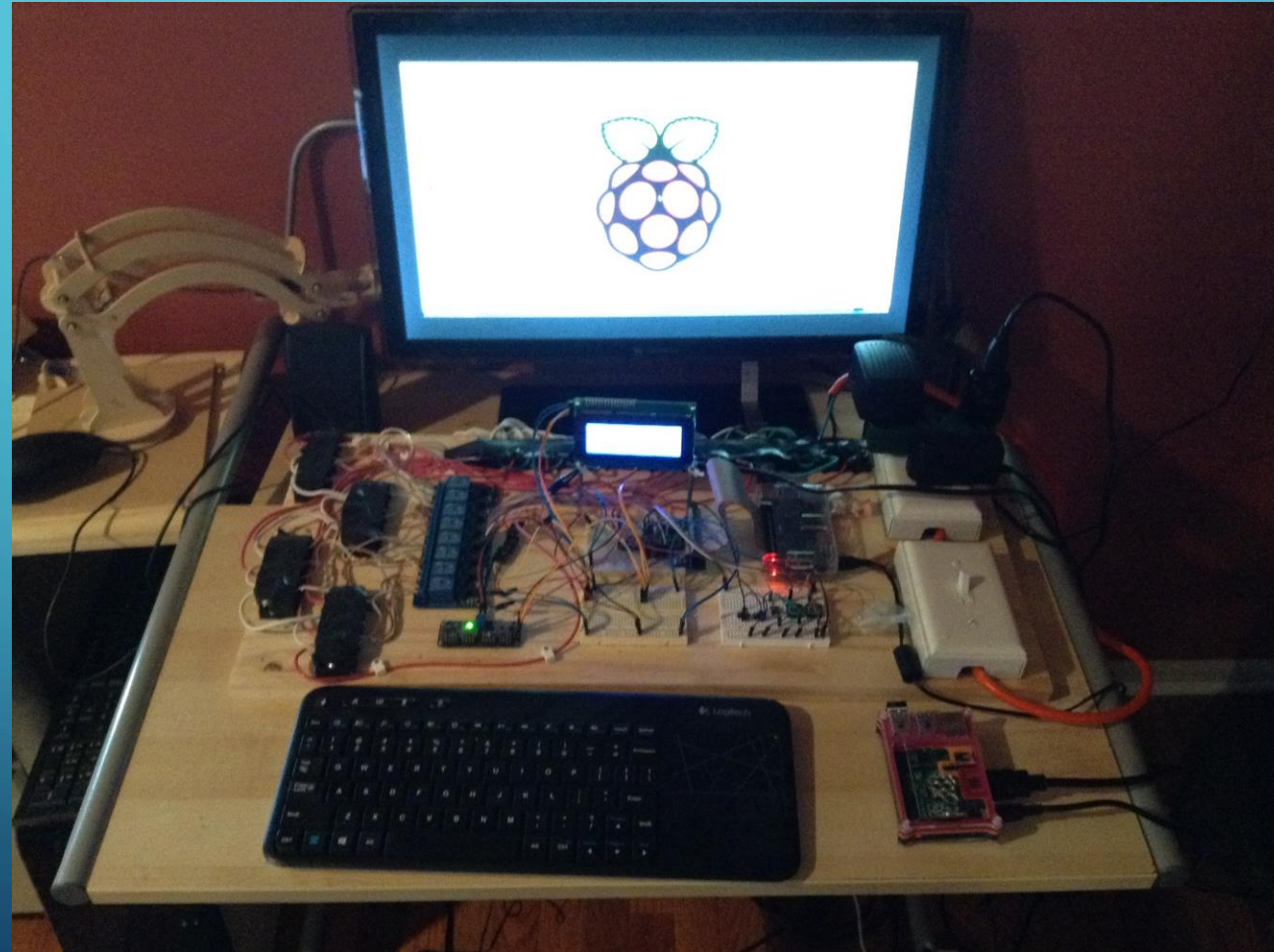


A decorative graphic on the left side of the page, consisting of white lines and circles on a blue background, resembling a circuit board or data flow diagram.

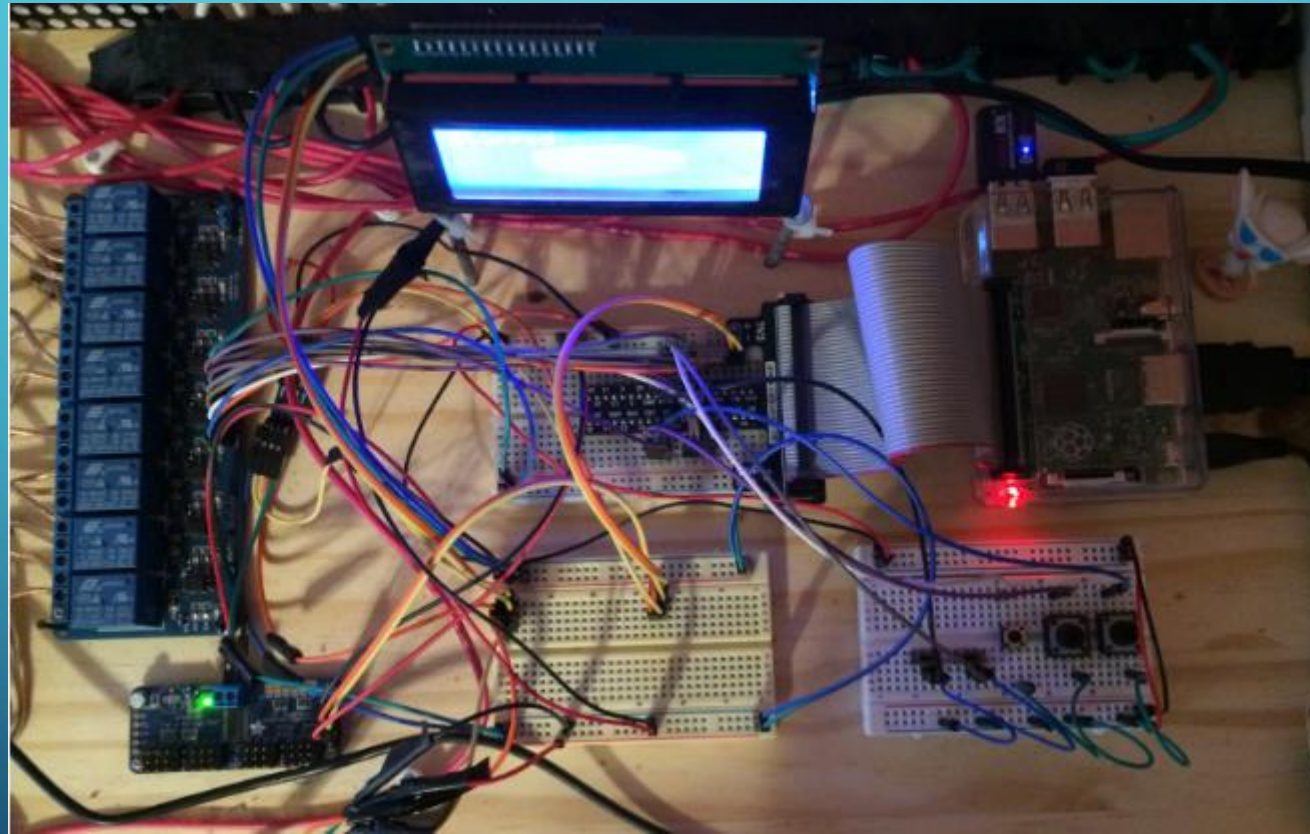
RASPBERRY PI

MY RASPBERRY PI TESTBOARD

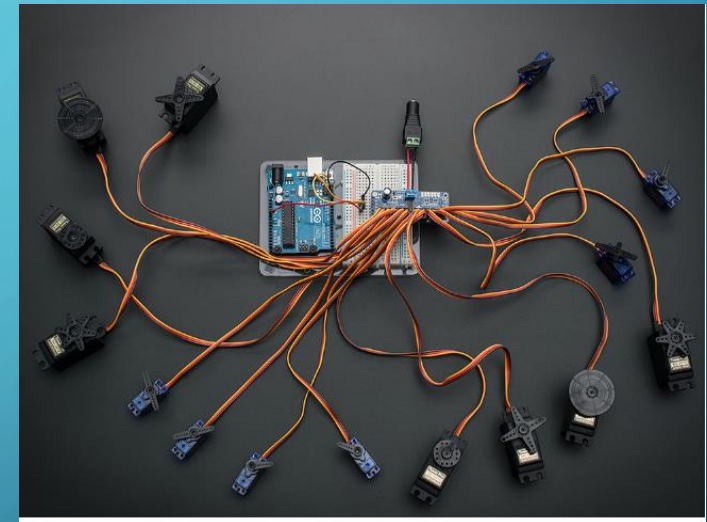
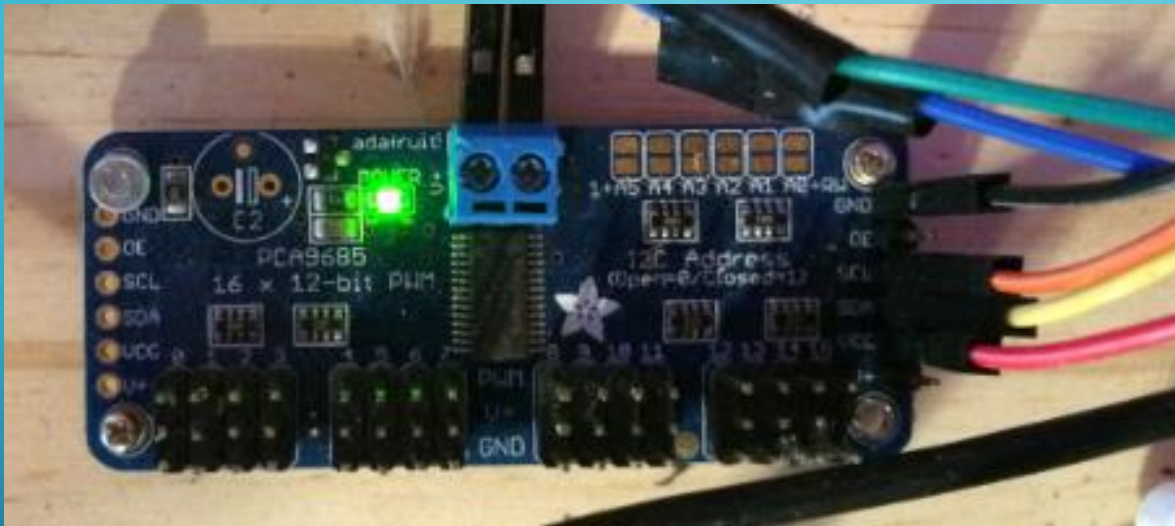
MY TEST BOARD



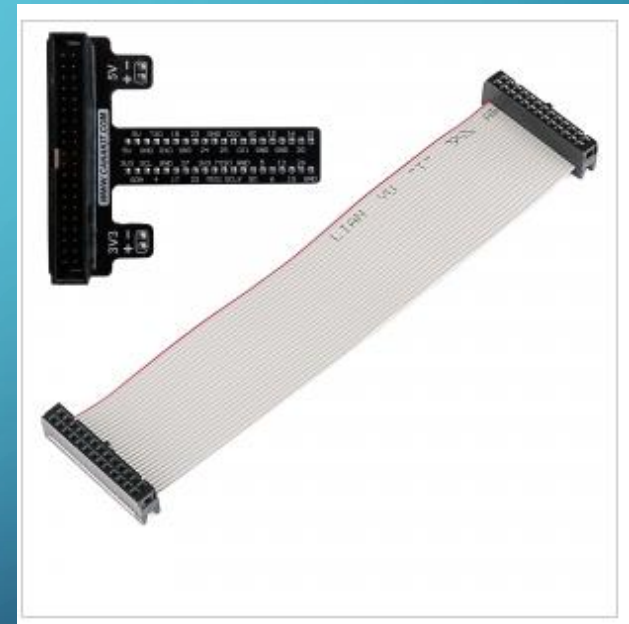
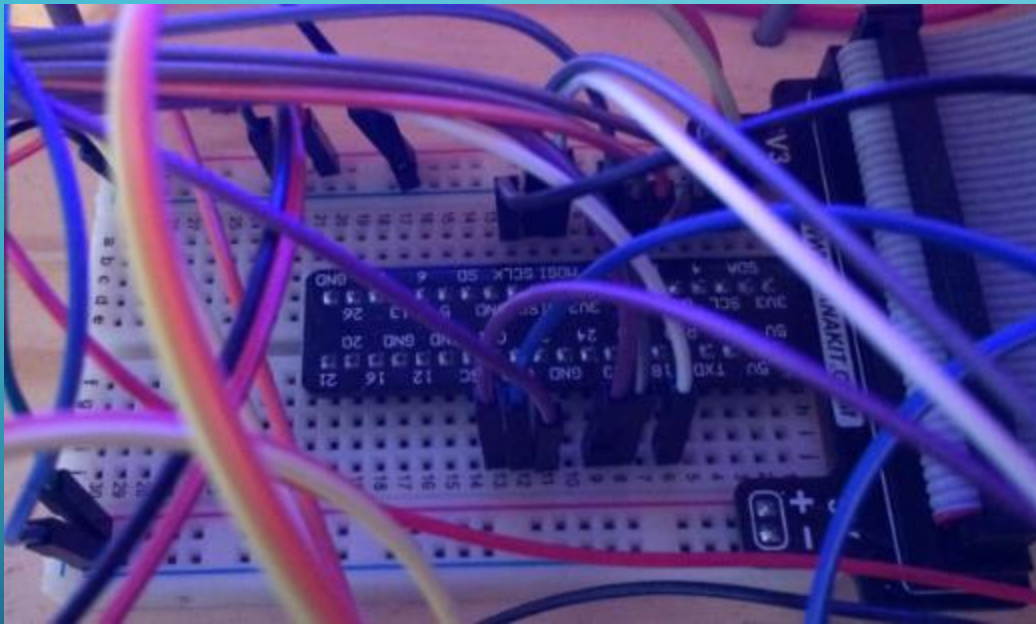
INDIVIDUAL COMPONENTS



16 CHANNEL SERVO CONTROLLER

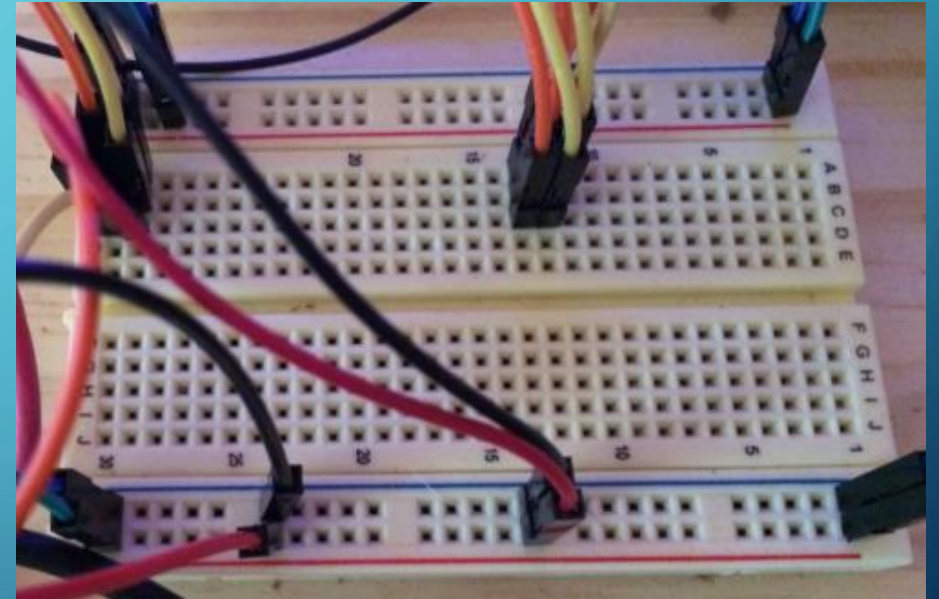
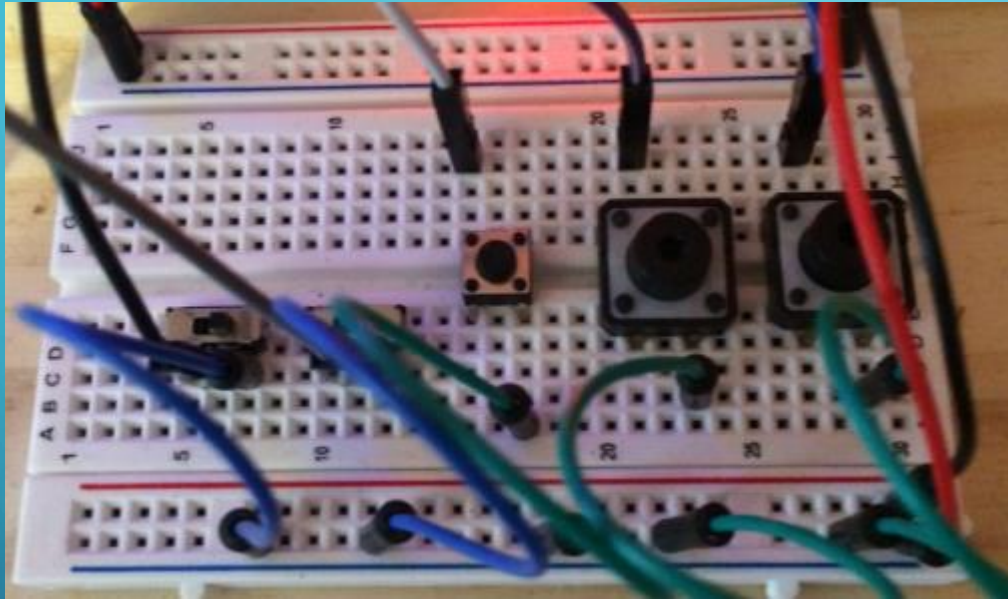


CANAKIT BREAKOUT BOARD

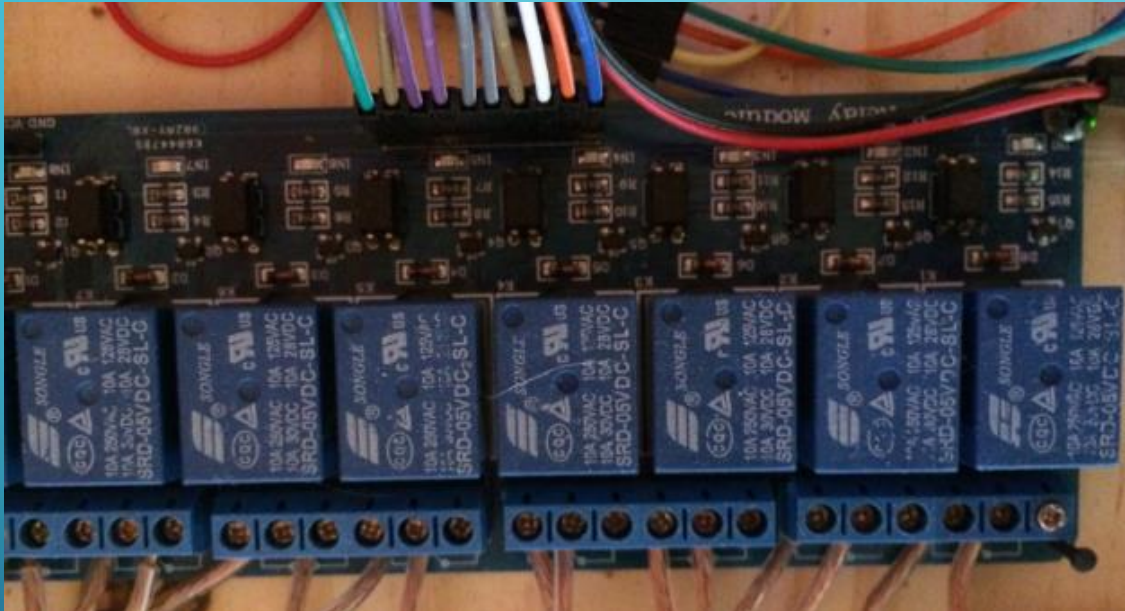


[HTTP://WWW.CANAKIT.COM/RASPBERRY-PI-COBBLER-GPIO-BREAKOUT.HTML](http://www.canakit.com/raspberry-pi-cobbler-gpio-breakout.html)

BREADBOARDS FOR SWITCHES & POWER/I2C



SAINSMART 8 CHANNEL RELAY



SainSmart 8-Channel Relay Module

by [SainSmart](#)

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| 14 answered questions

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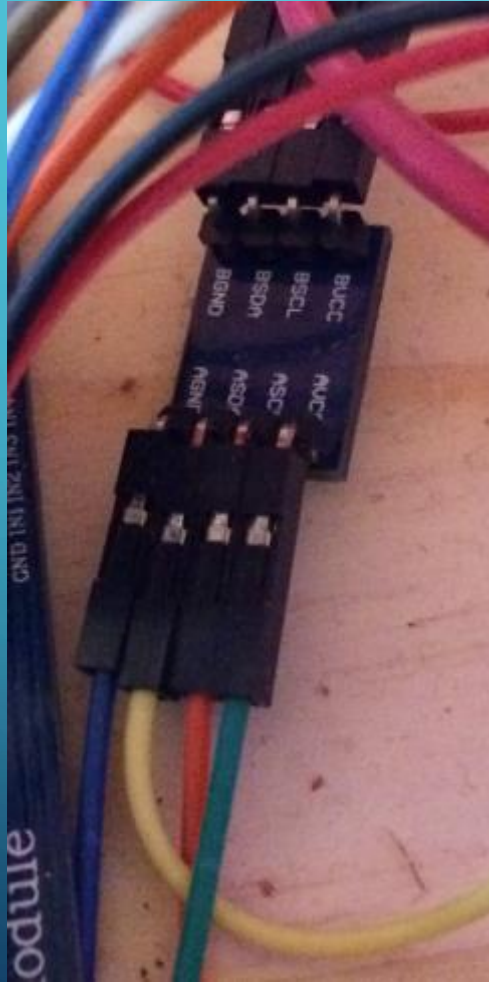
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- 5V 8-Channel Relay interface board, and each one needs 15-20mA Driver Current
- Equipped with high-current relay, AC250V 10A ; DC30V 11A
- Standard interface that can be controlled directly by microcontroller (Arduino , 8051, AVR, PIC, DSP, ARM, ARM, MSP432, TTL logic)
- Indication LED's for Relay output status

I2C LEVEL CONVERTER



USPRO® IIC I2C Level Converter
with pins conversion Module
Compatible With 3-5V System for
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Currently unavailable.

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- New, high quality with low price.
- Compatible With 3-5V System for Arduino Sensor .

I2C & LEVEL CONVERTER

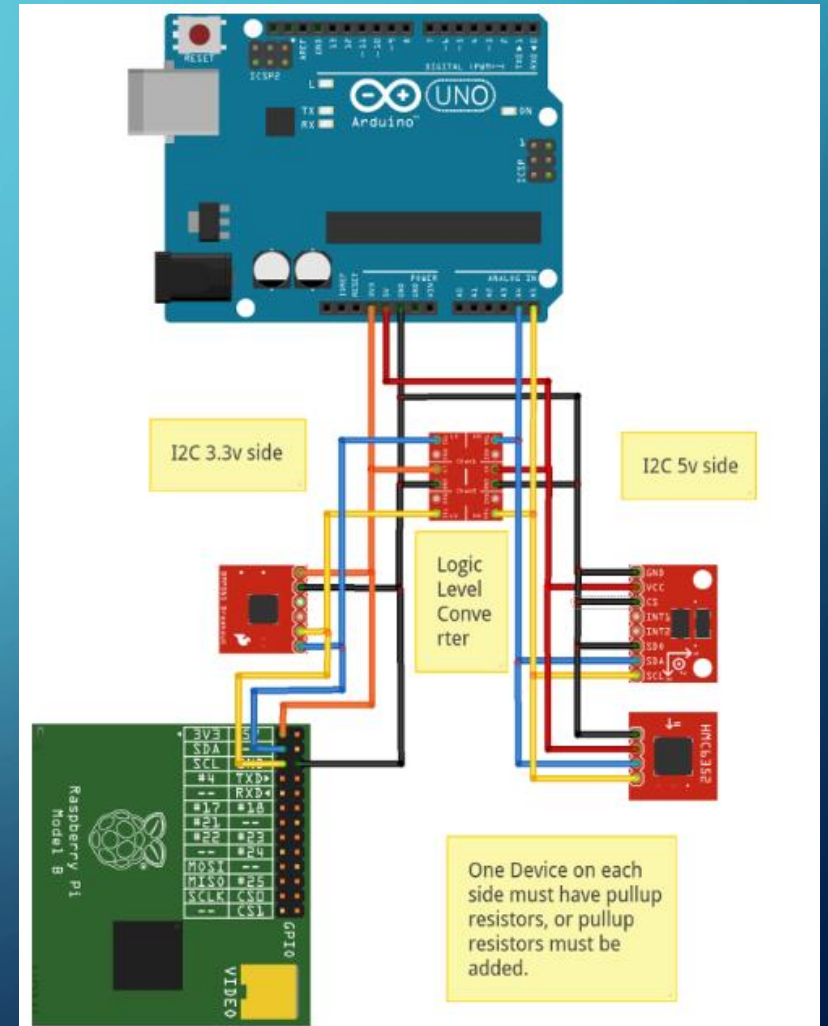


Configuring I2C

SIMON MONK

I2C is a very commonly used standard designed to allow one chip to talk to another. So, since the Raspberry Pi can talk I2C we can connect it to a variety of I2C capable chips and modules.

<https://learn.adafruit.com/adafruits-raspberry-pi-lesson-4-gpio-setup/configuring-i2c>



TEST BOARD & WEB SERVER PI'S



THE BRAIN



THE BRAIN

THE BRAIN (VOICED BY [MAURICE LAMARCHE](#)) LOOKS AND SOUNDS A LITTLE LIKE [ORSON WELLES](#). IN "WHAT EVER HAPPENED TO BABY BRAIN", BRAIN ACTUALLY CROSSES PATHS WITH WELLES, WHO IS WORKING AS A BUSBOY IN A HOLLYWOOD RESTAURANT; THEY FIND THEMSELVES INADVERTENTLY YELLING IN UNISON, "THINGS WILL BE DIFFERENT WHEN I TAKE OVER THE WORLD!" IN "PROJECT B.R.A.I.N." BRAIN'S NAME IS THE [ACRONYM](#) FOR THE EPONYMOUS PROJECT: "BIOLOGICAL RECOMBINANT ALGORITHMIC INTELLIGENCE NEXUS". HIS TAIL IS BENT LIKE A STAIRCASE—HE OFTEN USES IT TO PICK THE LOCK OF THE CAGE—AND HIS HEAD IS LARGE AND WIDE, HOUSING HIS ABNORMALLY LARGE BRAIN. HE IS HIGHLY INTELLIGENT AND DEVELOPS COMPLEX PLANS FOR [GLOBAL DOMINATION](#) USING POLITICS, CULTURAL REFERENCES, AND HIS OWN INVENTIONS TOWARD HIS GOAL. HE SEEMS COLDLY UNEMOTIONAL, SPEAKING IN A SNARKY DEADPAN. NEVERTHELESS, BRAIN HAS A SUBTLE SENSE OF HUMOR AND HAS EVEN FALLEN IN LOVE; WITH TRUDIE IN THE EPISODE "THE THIRD MOUSE" AND WITH BILLIE IN "THE WORLD CAN WAIT". DUE TO HIS STATURE AND MEGALOMANIA, BRAIN HAS BEEN COMPARED TO [DON QUIXOTE](#) AND (INACCURATE) POP CULTURE DEPICTIONS OF [NAPOLEON BONAPARTE](#).

BRAIN SEES HIS INEVITABLE RISE TO POWER AS GOOD FOR THE WORLD, AND NOT MERE [MEGALOMANIA](#). IN [WAKKO'S WISH](#), HE SAID TO PINKY "WE'RE ON OUR WAY TO FAME, FORTUNE AND A WORLD THAT'S A BETTER PLACE FOR ALL." MANY OF THE BRAIN'S PLOTS HAD THE ENDGAME OF WINNING OVER THE PEOPLE'S HEARTS AND HAVING THEM MAKE HIM THEIR RULER. HOWEVER, HIS MOTIVES ARE NOT PURE. IN ONE EPISODE, BRAIN FINDS HIMSELF HYPNOTIZED BY A PSYCHOLOGIST HE HAD PLANNED TO MANIPULATE FOR ONE OF HIS SCHEMES, WHO TURNS OUT TO BE NONE OTHER THAN [SIGMUND FREUD](#). THERE BRAIN REVEALS THAT HE ORIGINALLY LIVED WITH HIS PARENTS IN A TIN CAN AT THE BASE OF A TREE IN A LARGE FIELD. WHEN HE WAS YOUNG, ACME RESEARCHERS CAPTURED BRAIN AND TOOK HIM FROM HIS HOME, AND THE LAST HE SAW OF IT WAS A PICTURE OF THE WORLD ON THE SIDE OF THE CAN. DR. FREUD SPECULATES THAT BRAIN'S HUNGER TO TAKE OVER THE WORLD IS MISPLACED, AND THAT ALL HE REALLY WANTS IS TO GO BACK HOME TO HIS PARENTS.