ACROSS

- **3** this is what project #164913 is all about
- **5** dressed in stripes of BBROYGBVGW
- **8** I go clack and have an electromagnet
- **11** the brain of the circuit
- **13** one of the smallest dev boards -- it's right there in the name
- **15** I was a rocket fuel mixologist
- **16** a place on Hackaday.IO where anything goes
- **18** you're not a gargoyle without this
- **21** to use a heat gun, vacuum pump, or copper braid
- **22** the act of making sound unlike any other
- **24** a holdfast while soldering
- **26** prove you're not a robot
- **28** male, female, right-angle, or box
- **30** C-type, S-type, or M-type space rocks
- **31** an early electrostatic generator
- **33** sonic _____, a highly versatile tool
- **34** a component that conducts current primarily in one direction
- **35** not a feature
- **36** I was a cryptomaniac before it was cool
- **37** the first component in project #176547
- **40** Estes, NASA, or SpaceX
- **43** for everything else, there's
- **46** better than your teeth or a utilty knife
- **48** the cutest little computers, briefly
- **51** comparable to water pressure
- **55** Project list #3611
- **56** software substitute for hardware in embedded systems
- **57** electromagnetic communication technology
- **58** you can build one of these six-sided orbiters for less than $1000 these days
- **59** this special diode allows current to flow backward under certain conditions
- **63** formerly Wolfram
- **64** don't let me out
- **67** ... --- ...
- **68** name this miniature Nintendo homage
- **70** 24 caffeine-fueled hours of mayhem and fun
- **71** many circuits begin here, some never leave
- **73** confidentiality, integrity, and availability
- **76** these transforms helped a Billy Bass become Alexa in project #73048
- **78** a keyboard that does your bidding
- **81** only the best logo ever
- **82** sweet, sweet square waves
- **83** this type of resistor needs a place in the sun
- **84** to hide secret messages in plain sight
- **85** refracting, Newtonian, or Schmidt-Cassegrain
- **86** I measure things inside and out
- **87** use these after soldering
- **88** I keep things cool

DOWN

- **1** electrical engineer, mechanical engineer, and futurist best known for his contributions to the design of the modern AC supply system
- **2** spin me around to pump up the volume
- **3** use a blue box for this
- **4** SAOs are a big part of this
- **6** an open-source keyboard firmware
- **7** this lights up project #179361
- **9** sometimes you wanna go where everybody knows your name
- **10** this project won the 2019 HaD Prize
- **12** preferred drink of thirsty, mostly European hackers
- **14** QWERTY, AOEUIDHTNS, split, ergonomic, mechanical
- **17** fruits of the keyboard
- **19** project #176246 uses 26 of them
- **20** Tesla founder or semiaquatic rodent
- **23** tfeed me or you'll have to start over
- **24** there are 10 types of people in the world
- **25** HTTPS, TCP/IP, FTP
- **27** to use something for a purpose not originally intended
- **29** this project won the 2020 HaD Prize
- **32** to understand this, one must first understand this
- **38** this guy had principles
- **39** humanity's home in orbit
- **41** this strange phenomenon happens to strawberries, daisies, and more
- **42** what type of bot featured in project #7792 was written in Energia?
- **44** I know how hot your printer bed is
- **45** absorbent way to desolder
- **47** yes or no, high or low
- **49** some of us use a lighter, some a heat gun
- **50** because they're not all drones
- **52** leaded or unleaded
- **53** Dalibor Farny is the king of these cold cathode displays
- **54** 3D creation suite or smoothie tool
- **58** don't PANIC; negative is _____
- **60** developed in 1969, now standardized as IETF
- **61** this tape can take the heat
- **62** these make blinkenlight
- **65** focus of HackadayU course by Uri Shaked
- **66** I created the polio vaccine
- **69** PLA, PETG, ABS
- **72** the big name in low-power, open-source, single-board computers
- **74** Cura, for example
- **75** I hold a charge
- **77** V=IR
- **79** they have various purposes, like passing the butter
- **80** with solder or capacitor, McFly
- **84** modern gateway to ham radio, briefly