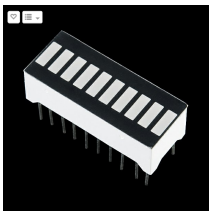

10 Segment LED Bar Graph - Blue

COM-09937 ROHS

DESCRIPTION DOCUMENTS

These 10 segment bar graph LEDs have many uses. With a compact footprint, simple hookup, they are easy for prototyping or finished products. Essentially, they are 10 individual blue LEDs housed together, each with an individual anode and cathode connection.

We also carry these in yellow, red, and green.

Note: The pinout on these bar graphs may vary from what is listed on the datasheet. Rotating the device 180 degrees will correct the change making pin 11 the first pin in line. We have contacted our supplier to correct this mistake in the future.

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10 Segment LED Bar Graph - Blue Product Help and Resources

TUTORIALS VIDEOS SKILLS NEEDED

Dot/Bar Display Driver Hookup Guide
JANUARY 16, 2014

How to hook up the LM3914 or LM3916 to drive a 10-LED display with a lone analog signal.

COMMENTS 18 REVIEWS 0

Customer Comments

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bcerrato / about 8 years ago / 3
11 pin (10 resistor) resistor networks are perfect for hooking these up without using 10 individual resistors. Any chance one could be added to the store that works well with these?

RobertC. / about 8 years ago / 4
We can surely check into it.

CF / about 7 years ago / 2
And no rats nest of resistor leads to boot! The ones I've been using only have 8 resistors in them. Some 10's would be an excellent addition for any blinky project.

katzmatt / about 6 years ago / 2
has anyone ever seen any of these that are RGB?

KM4HPK / about 3 years ago / 1
Is this the same one that is on adafruit?

Kamiquasi / about 3 years ago / 1
No. Yes. Maybe. Welcome to the world of cheap electronics :)

Basically, according to the datasheets these are from two different companies and have two very slightly different characteristics. One has a typical Vf of 3.2V, the other has a typical Vf of 3.4V. One has a typical forward current of 20mA, the other of 25mA.

However, attempting to look at the markings on the packages - unfortunately only on the underside, and Adafruit doesn't have a nice clear underside picture - they certainly seem to run the same part code, and of course externally they look like an exact match.

But are they? Who knows. If you're using these individually somewhere, I'm sure they're entirely interchangeable. But if you were using them side-by-side, I'd stick to sourcing them from a single place. You don't want to end up with one set of segments being slightly lighter/darker, or slightly more cerulean than prussian.

KM4HPK / about 3 years ago / 1
Thanks

Member #296666 / about 4 years ago / 1
Which side is positive and negative?

MikeGrusin / about 4 years ago / 1
There is a very slight bevel on one of the vertical edges. If you look closely, 3 of the edges will be sharp, and the fourth will be slightly rounded. That's pin 1, and that long side is the positive side. See the datasheet for a diagram. You can also always test unknown LEDs with a voltage supply and a resistor; they will only light up in the proper direction.

532nmIsMyFavoriteColor / about 5 years ago / 1
Someone tell me how to right one of these up to a mini photocell or lilypad light sensor so that it roughly measures the amount of light coming in. Is it possible?

KM4HPK / about 3 years ago / 1
You would need a Lux or luminosity sensor for that.

ender323 / about 4 years ago / 1
Not to my knowledge, the mini photocells only report 'light is on' or 'light is off' they don't detect an amount of light.

Madbodger / about 6 years ago / 1
Some items are titled "Bar Graph" (like this one), some are "bargraph", and I would hope that SparkFun's soundalike search algorithm would find both versions for either search. But it does not.

arduinoGuy / about 6 years ago / 1
I love this product

MisterFuzzy / about 7 years ago / 1
Holy crap, those went out of stock fast!
if they are just a bunch of LEDs in a housing, why can't they be common cathode?

Kamiquasi / about 7 years ago / 1
They could be, but why would you want to do that? If nothing else, things tend to sink current better than source current, so you'd want it to be common anode ;)
This arrangement provides the most freedom in terms of circuit design :)

Member #149727 / about 7 years ago / 1
I was dissapointed in these, as many of them that I ordered were not a true Blue, but a blue-green, like turquoise. Plus, the brightness wasn't consistent on all segments. Not Sparkfun's fault, but poor overseas manufacturing.

JoshFranz / about 7 years ago / 1
Even better would be using this with a TLC5940! I'm going to order a few for just that reason!

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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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