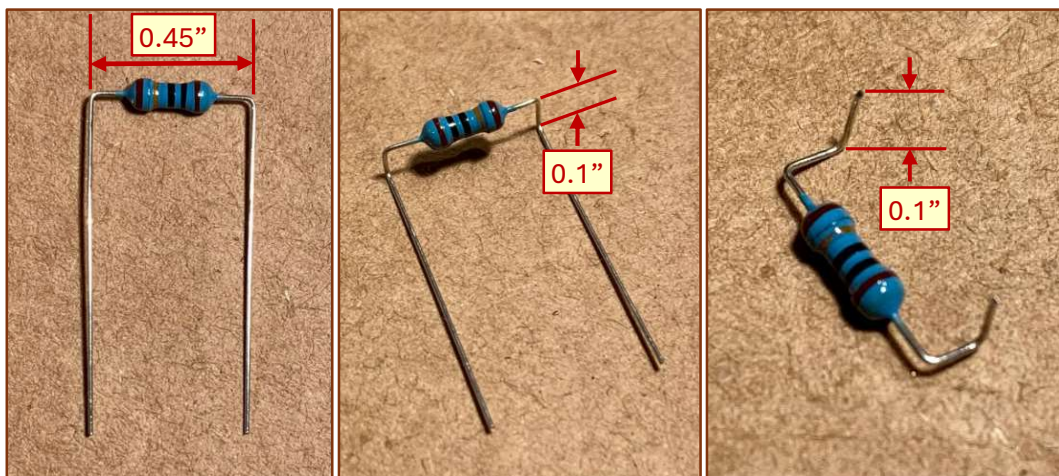


Bend the leads of a 100K Ω resistor so that the bent wires are 0.45" apart. Then bend each lead once more and cut, as shown below.



In the following steps we will solder one lead of the resistor to U13 pin 11 and the other to U13 pin 20. For lead-free solder, Sn / Ag / Cu: 99% / 0.3% / 0.7%, use a small pointed soldering tip and set the temperature to about 350°C.

1. Place the 100K Ω resistor, with leads bent, on top of U13.
2. Hold the resistor in-place with tweezers. With a little melted solder on the iron tip, lightly tack one lead first to hold the resistor in place. (If you're right-handed, it might be easier to hold the tweezers in your left hand and tack the resistor to U13 pin 20 in this step. If you prefer to hold the iron in your left hand then tack U13 pin 11 first.)
3. Next, solder the other resistor lead completely. (There's no need to use the tweezers to hold the resistor in the step as the resistor is held in place by the action performed in step #2.)
4. Solder the first lead completely that was tacked in place in step #2.

