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Introduction To Analog Electronics – Lesson 6: RLC Filters

ANALOG PARTS

The following schematic material is meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/analog/rlc_filters/

PARTS USED IN THE EXPERIMENT

In this experiment we used 3 core components. The audio jack breakout board let us output sound to a speaker so we could see the effects of the different filters. The capacitors and inductors that we used were what created the actual filter. You can see these parts in more detail below:

Picture	Type	Description
	Stereo Jack PCB Breakout Board	This audio jack breakout board gives us access to the Right, Left and Ground signals to a speaker or set of headphones. Part Link
	Capacitors	In this lesson we experimented with many different types of capacitors ranging from 0.01uF ceramics to 100uF electrolytic capacitors. Part Link
	Inductors	Although inductors weren't used in the experiment, the theory learned in this lesson still holds true and inductors can be used as filters. Part Link

ADDITIONAL INFORMATION

To ask questions about anything found in this schematic please head on over to the forums located at:

<http://www.pyroelectro.com/forums/>