

## Appendix: List of Critical EEC134 Components

Instructor: Xiaoguang “Leo” Liu  
lxgliu@ucdavis.edu

Received?	Item	Description	Quantity per Group	Purchase
	TPI synthesizer	35 MHz–4.4 GHz RF signal synthesizer	2	<a href="#">Link</a>
	Breadboard	MB102 830 position solderless breadboard	1	<a href="#">Link</a>
	Jumper wires	Collection of breadboard jumper wires	1 box	<a href="#">Link</a>
	USB-A cable	Male to male USB-A cable	1	<a href="#">Link</a>
	USB-mini cable	For programming the TPI synthesizers	2	<a href="#">Link</a>
	USB-micro cable	For programming the Teensy microcontroller	1	<a href="#">Link</a>
	Audio cord	Audio 3.5 mm plug. For signal input to sound card	1	<a href="#">Link</a>
	Teensy 3.1	Arduino compatible microcontroller	1	<a href="#">Link</a>
	Screwdriver	For tuning potentiometers	1	<a href="#">Link</a>
	RF oscillator	Mini-Circuits ZX95-2536C-S+ VCO	1	<a href="#">Link</a>
	RF amplifiers	Mini-Circuits ZX60-272LN-S+ amplifier	2	<a href="#">Link</a>
	RF mixer	Mini-Circuits ZX05-43LH-S+ mixer	1	<a href="#">Link</a>
	RF splitter	Mini-Circuits ZX10-2-42-S+ splitter	1	<a href="#">Link</a>
	RF attenuator	Mini-Circuit VAT-3+	1	<a href="#">Link</a>
	SMA-TNC adapter	For connecting to the GSP730 spectrum analyzer	1	<a href="#">Link</a>
	SMA adapters	SMA female to SMA female adapter	1	<a href="#">Link</a>
	SMA adapters	SMA male to SMA male adapters	4	<a href="#">Link</a>
	SMA bulkhead	For feeding the antennas	2	<a href="#">Link</a>
	6” SMA cables	6” SMA cables with male connectors	2	<a href="#">Link</a>
	12” SMA cables	12” SMA cables with male connectors (one straight, the other right-angled)	4	<a href="#">Link</a>

I acknowledge that our group have received the above components in the toolbox.

Signature: \_\_\_\_\_