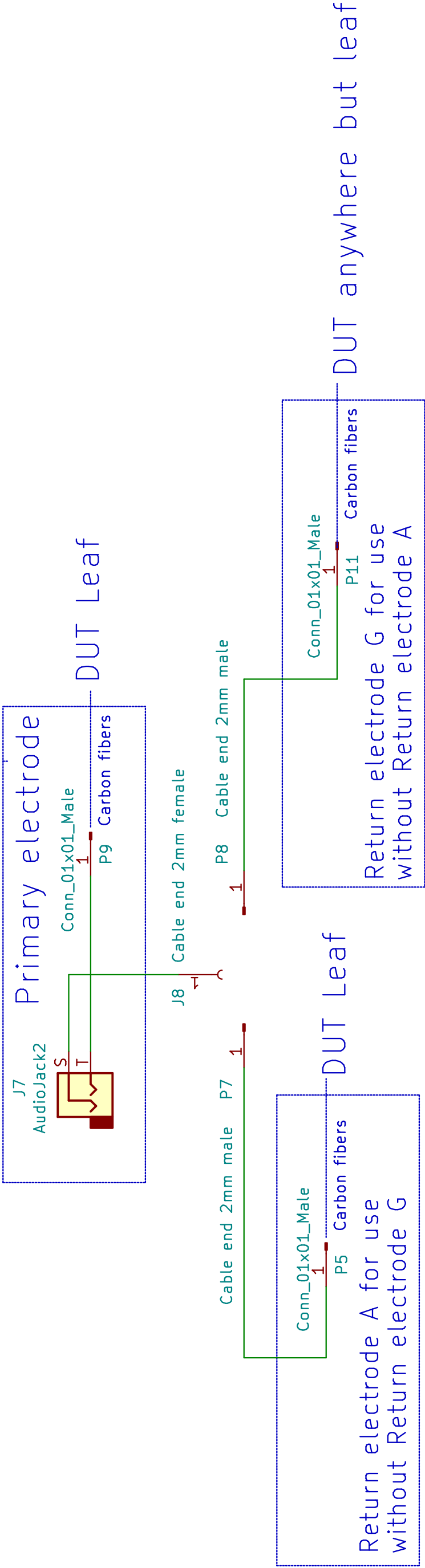
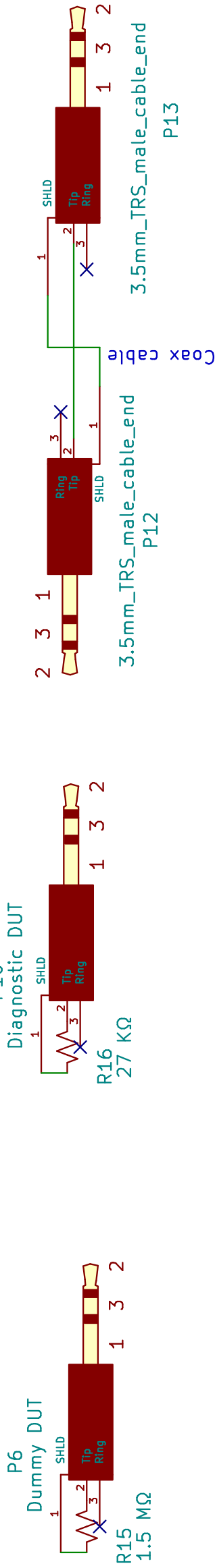


Helpful Parts Not In Circuit

- or liquid Polyimide (Kapton) trace 3/8" wide 6' length or greater. Use as electrical insulator and place assist. P/N 3057 from Arrow or equivalent
 - .38ga magnet wire for trace repairs. P/N 3522 from Arrow or equivalent
 - Solder/wick P/N TOL-09527 from Arrow or equivalent
 - 30316g electrolytic capacitor (pin down) ROSIN – NOT with zinc nor ammonium chlorides flux (can make it yourself)
 - Multi-conductor flat IDC ribbon cable + hookup wire. P/N 2004 to 2006 from Arrow
 - Electrode clampsheets; one per leaf electrode. Having attachment means and gripping spring somewhere along hinge axis and having enough suspending points spread out to hold clampsheet in any specific orientation needed.
 - 2 Electrode Lamshell cushions made from white or ivory color (Kaysor-Roth No nonsense knee high 100% nylon socks MADE IN USA - UPC 70011195323 (<https://www.upccdn.com/>)
 - Carbon fiber non-imregnated with a gold-plated transition pin per electrode (we have no source yet, but "non-imregnated" basically means "not the shiny type"). The transition pin will interface between the carbon fiber and wiring to the receptacle that receives the coaxial cable type. Ensure that conductor material transitions are both (excitation/sense side and return sides of the coax cable) identical so the transitions' galvanic volatages cancel out.
- NOTE – Very high temp solder (K100 not allowed on U/A). The best solder will always be "No Heat SAC305" if you can find it, but you still MUST cleanse gold from ENIG, avoid Pb (lead) solder unless you understand the behavior of eutectics, how Pb ruins other solders, and how gold from ENIG ruins Pb solder.

NOTE: Except where indicated otherwise, component part numbers and vendors are suggested based on likely imperfect research of pricing and availability for the USA in the spring of 2019.

NOTE: These symbols are required to generate an accurate BOM. To use them in that way, copy them and paste them anywhere into the main page. They do not have to show within any sheet boundary. Generate the new BOM and delete the symbol copies from the main page, when finished, always leaving the original symbols in this sheet. If the copies are left in the main page when later updating the PCB, they will interfere with the generation of the PCB Gerber files because these have no residencies on the PCB.



The pins inside the electrodes are to enable gold compatible finish electrical contact in the electrode assemblies for the carbon fiber. One pin belongs in each electrode assembly.

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