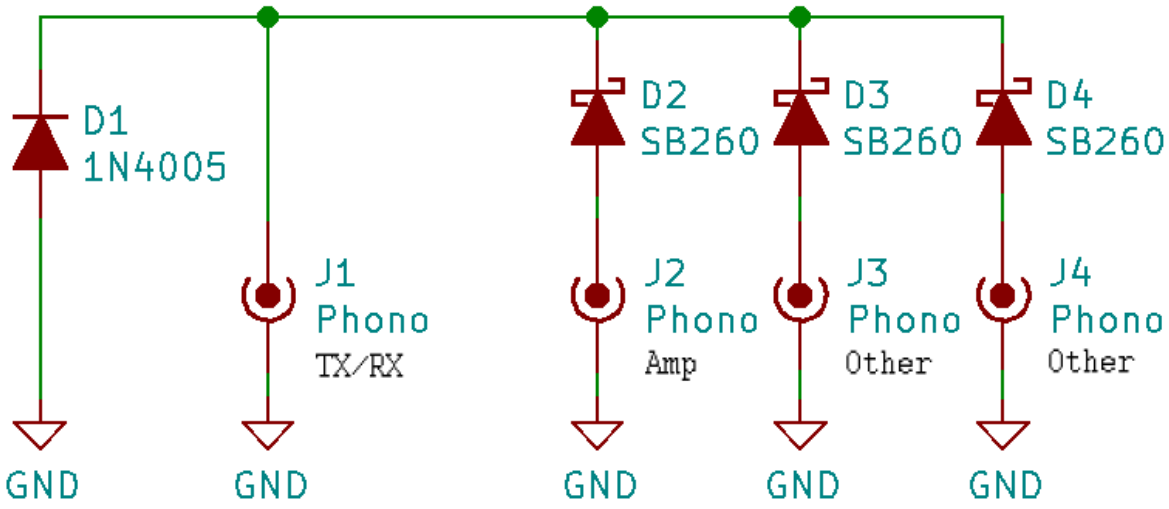
A very simple keying line combiner by Paul Evans, W4/VP9KF, G4BKI and EI6LC. 2020-05-03

This project is extremely simple and constructed to fulfill a function that keys multiple devices when going to transmit, including an RF amplifier. A small square of vector board (or Vero board) can be used to make this handy little circuit or it can be wired point-to-point between the phono socket pins in, for example, a diecast box (which ties ground well).

D1 is used to prevent back-EMF spikes causing any problem with relay welding or device damage. The 1N4005 is chosen for its PIN characteristics. D2, D3 & D4 are 60 V / 2 A Schottky diodes from Vishay with part number SB260S-E3/73, but others can be substituted with care.



Parts cost: about $8, including box, devices and connectors. All came from my scrap box.