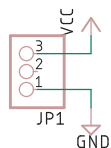
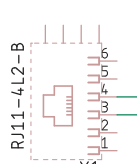


This fixes the problem with a CO line interpreting something that the PBX is doing just after off-hook as a dialed digit "1". We apply a 33uf capacitor for the first 750 milliseconds of an off-hook to prevent the erroneous "1" from reaching the CO.

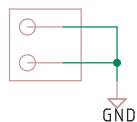
power  
test point



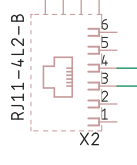
PBX line



Ground



CO line



polarity

polarity

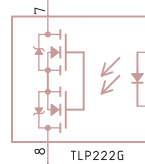
Ring

Tip

Tip

Ring

CO to PBX connect



change log

Oct 2020, V1.0, L. Shustek

Jan 2022, V2.0, L. Shustek; change to capacitive supression of the noise pulse

voltage shifter and clipper  
[-60V, +60V] to [0V, 5V]  
<http://www.symres.com/files/scalebias.pdf>

Ring voltage

Tip voltage

-connect tip

-connect ring

CO noise suppression shunt

-connect shunt

Panasonic KX-T30810 PBX to CO line fixer, V2.0

phoneline\_fixer\_v2.0

L. Shustek

REV:

Date: 1/12/2022 7:36 PM

Sheet: 1/1