

1

Possible input configurations



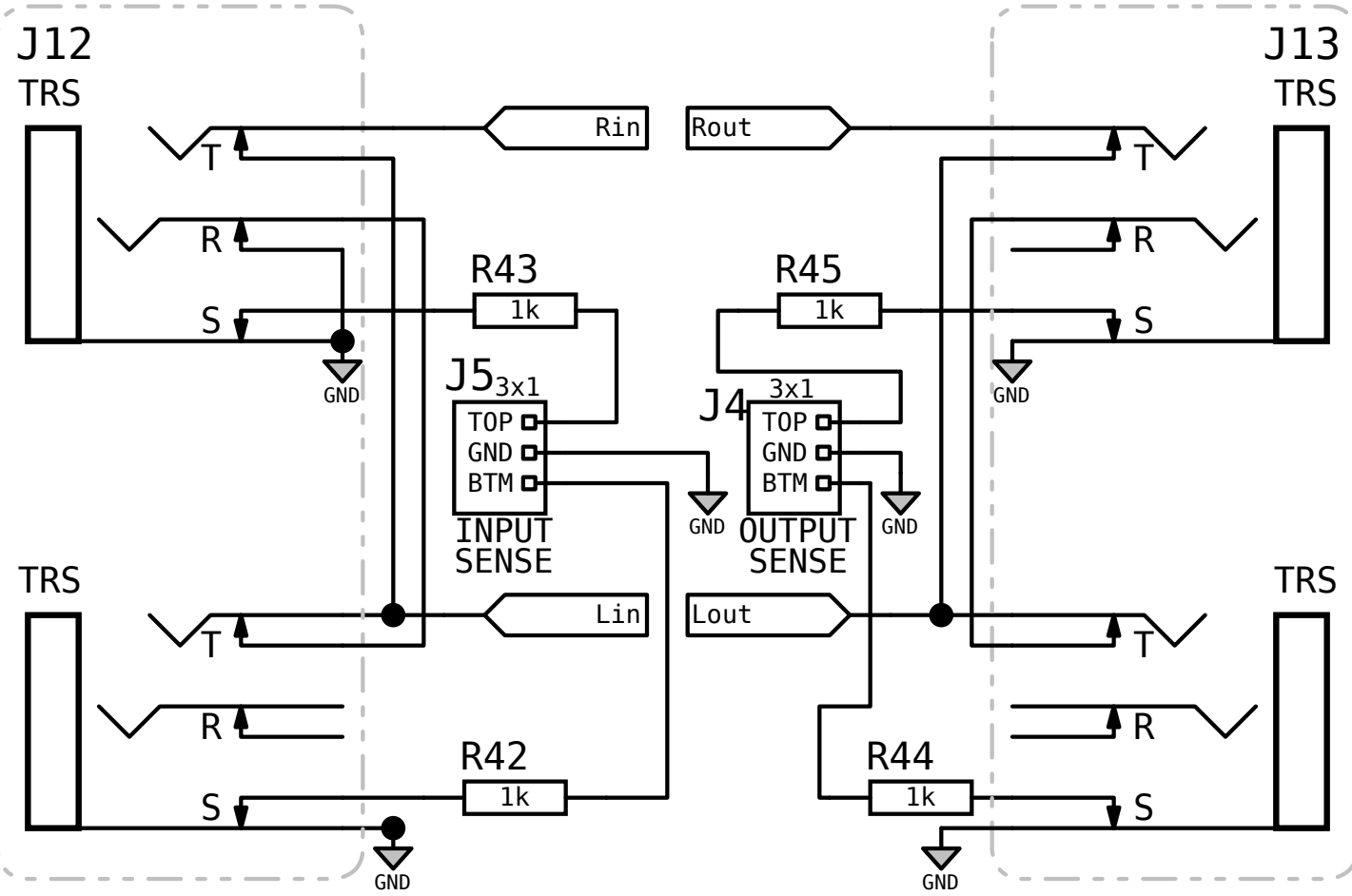
1xTRS stereo jack
TIP= Right
RING=LEFT
SLEEVE = GND



2 x mono TS jack
separate L & R
signals



1 x mono TS jack
signal goes into
Left and Right
inputs



Possible output configurations



2 x mono TS jack
separate L & R
signals

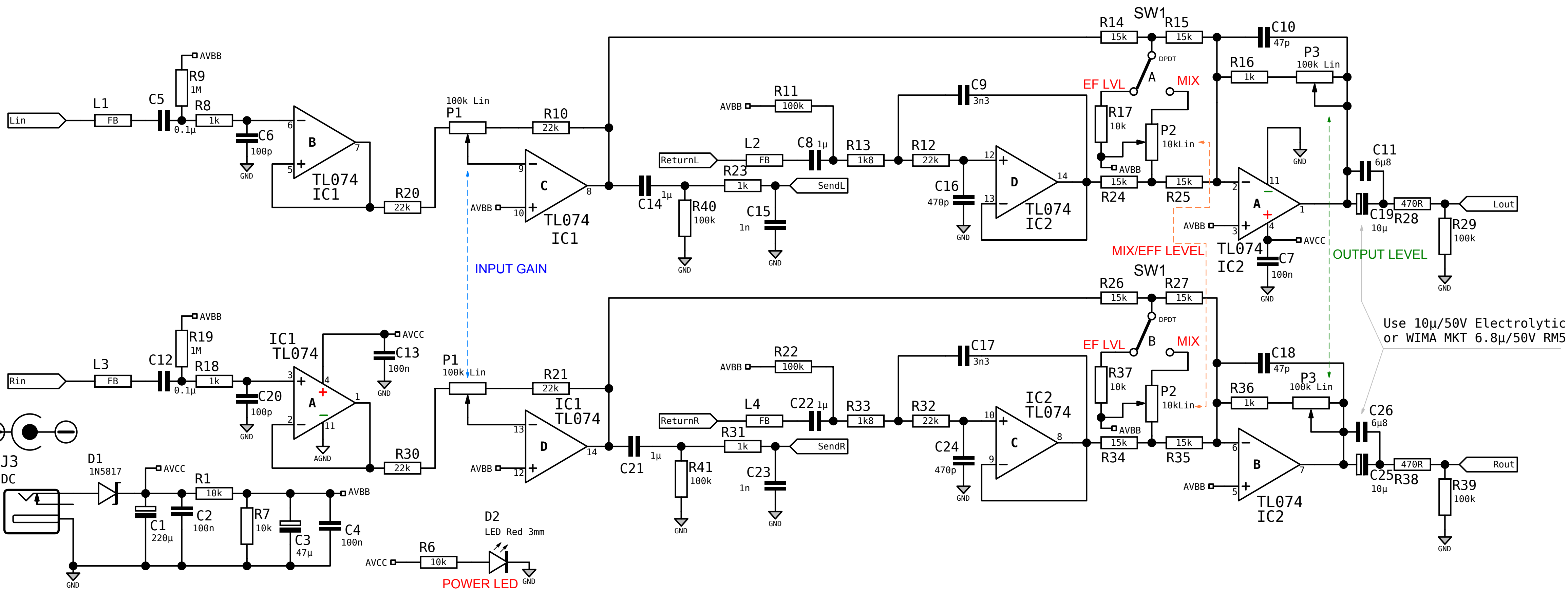


1 x mono TS jack
Left & Right out
summed



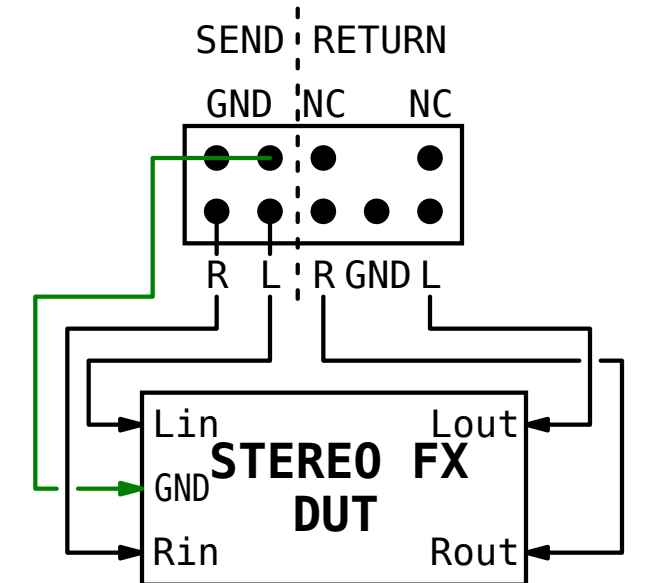
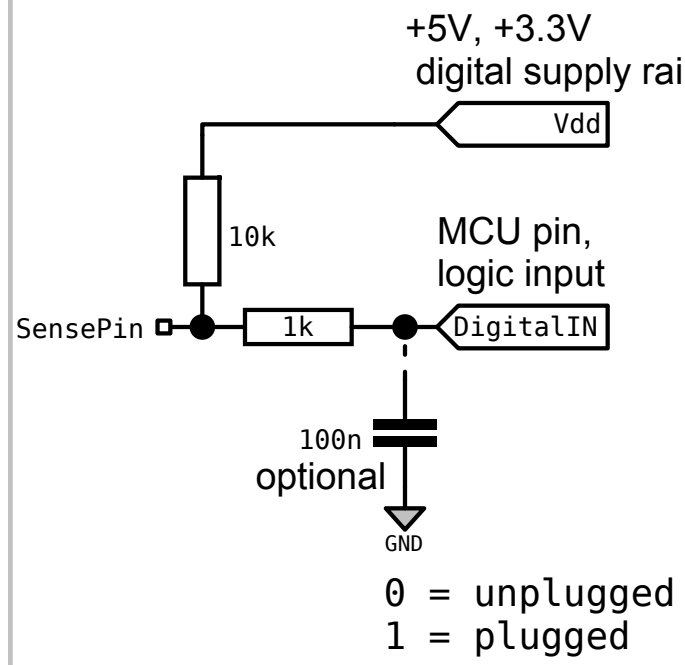
1xTRS stereo jack
TIP= Right
RING=LEFT
SLEEVE = GND

2



3

IN/OUT Jack presence detection example:



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Input gain range:

$$A_{in_min} = -R10[R21] / (P1max + R20[R30])$$
$$A_{in_min} = 0.18 = -14.9dB$$

$$A_{in_max} = -(R10[R21] + P1max) / R20[R30]$$
$$A_{in_max} = 5.54 = +14.9dB$$

Middle setting = $A_v = 1 = 0dB$

EF LEVEL/ MIX Switch:

EF LEVEL: dry signal is passed through, P2 controls the wet signal volume
MIX: dry/wet blend control

Dev_L00P

Stereo FX loop dev board

Design: Piotr Zapart
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