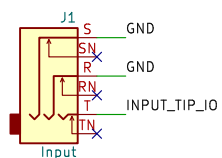
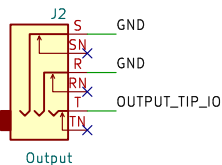


## Connectors

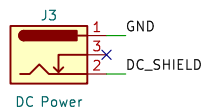


J4  
EFFECT\_OUTPUT\_IO 1  
9V0\_IO 2  
GND 3  
EFFECT\_INPUT\_IO 4  
IO/Effect Connector 1 (IO Side) [E1]



J5  
INPUT\_TIP\_IO 1  
OUTPUT\_TIP\_IO 2  
IO/Switch Connector 1 (IO Side) [S1]

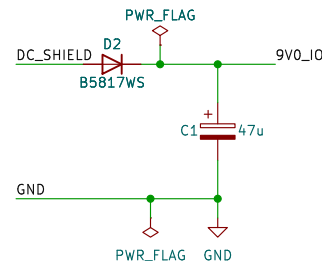
J7  
INPUT\_TIP\_SW 1  
OUTPUT\_TIP\_SW 2  
IO/Switch Connector 1 (Switch Side) [S1]



J6  
EFFECT\_OUTPUT\_IO 1  
9V0\_IO 2  
GND 3  
EFFECT\_INPUT\_IO 4  
IO/Switch Connector 2 (IO Side) [S2]

J8  
EFFECT\_OUTPUT\_SW 1  
9V0\_SW 2  
GND\_SW 3  
EFFECT\_INPUT\_SW 4  
IO/Switch Connector 2 (Switch Side) [S2]

## Power (IO board)



## Signal flow explanation

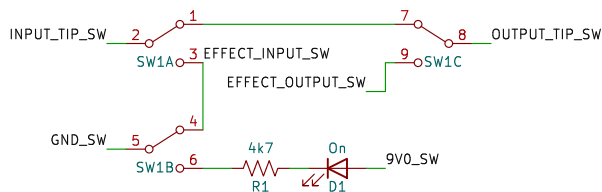
Effect on:

1. ->input (io pcb)
2. input\_tip\_io -(S1)-> input\_tip\_sw -> effect\_input\_sw
3. effect\_input\_sw -(S2)-> effect\_input\_io
4. effect\_input\_io -(E1)-> effect pcb
5. effect pcb -(E1)-> effect\_output\_io
6. effect\_output\_io -(S2)-> effect\_output\_sw -> output\_tip\_sw
7. output\_tip\_sw -(S1)-> output\_tip\_io
8. ->output (io pcb)

Effect off:

1. ->input (io pcb)
2. input\_tip\_io -(S1)-> input\_tip\_sw -> output\_tip\_sw
3. output\_tip\_sw -(S1)-> output\_tip\_io
4. ->output (io pcb)

## 3PDT w/ LED Indicator (switch board)



[github.com/whbeers/noise\\_floor](https://github.com/whbeers/noise_floor)

Sheet: /

File: noise\_floor.kicad\_sch

## Title: Noise Floor Interface Boards

Size: A4

Date: 2023-03-03

Rev: v0.03

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Id: 1/1