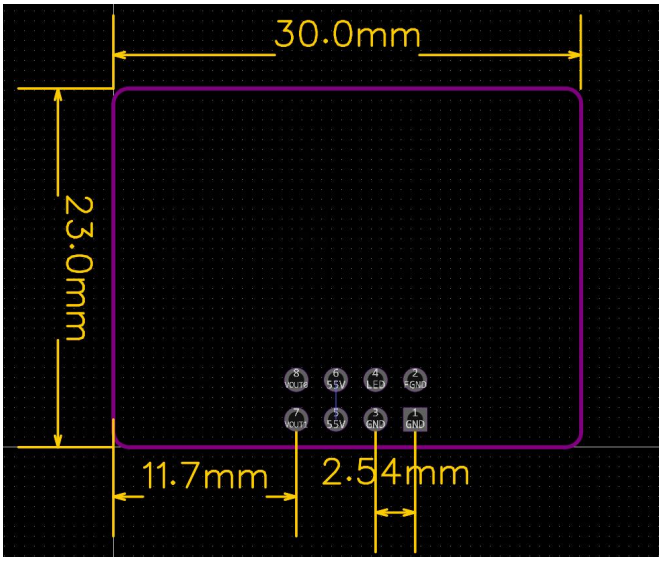
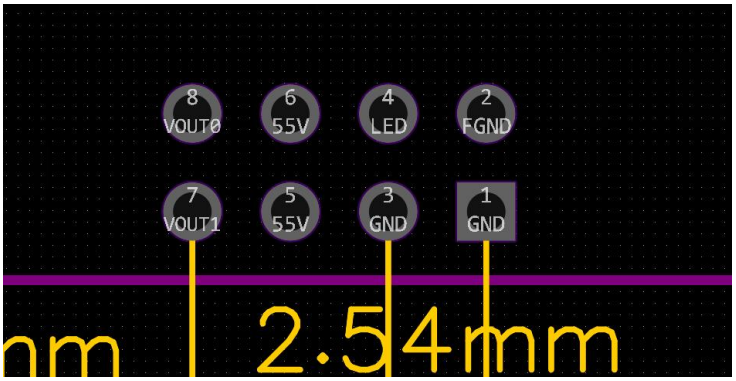
# 60W PSE 模组:尺寸规格与外围电路设计参考

## 60W PSE Module: Dimensional Specifications and Peripheral Circuit Design Reference

1.) 产品尺寸( Product dimension)

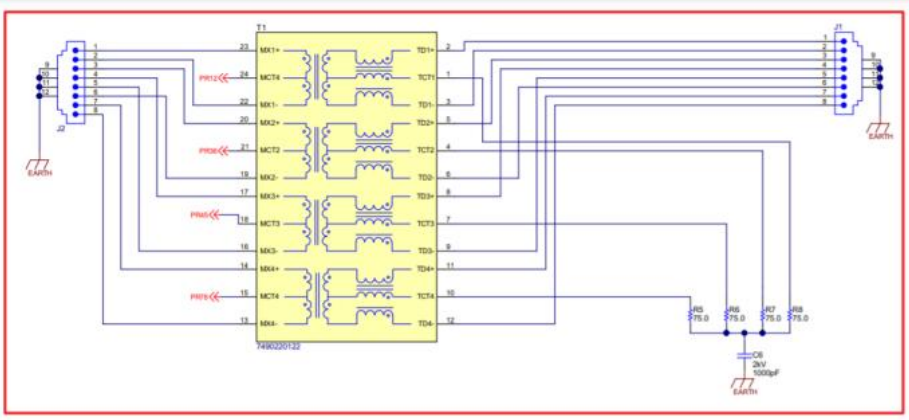


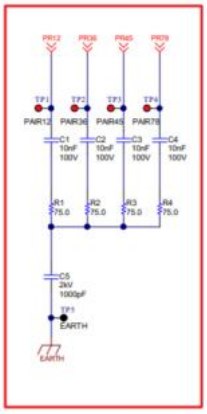

2.) 针脚定义(PIN description)




3.) 外围电路设计参考

① 网口与网络变压器之间需要严格按照差分信号走线。





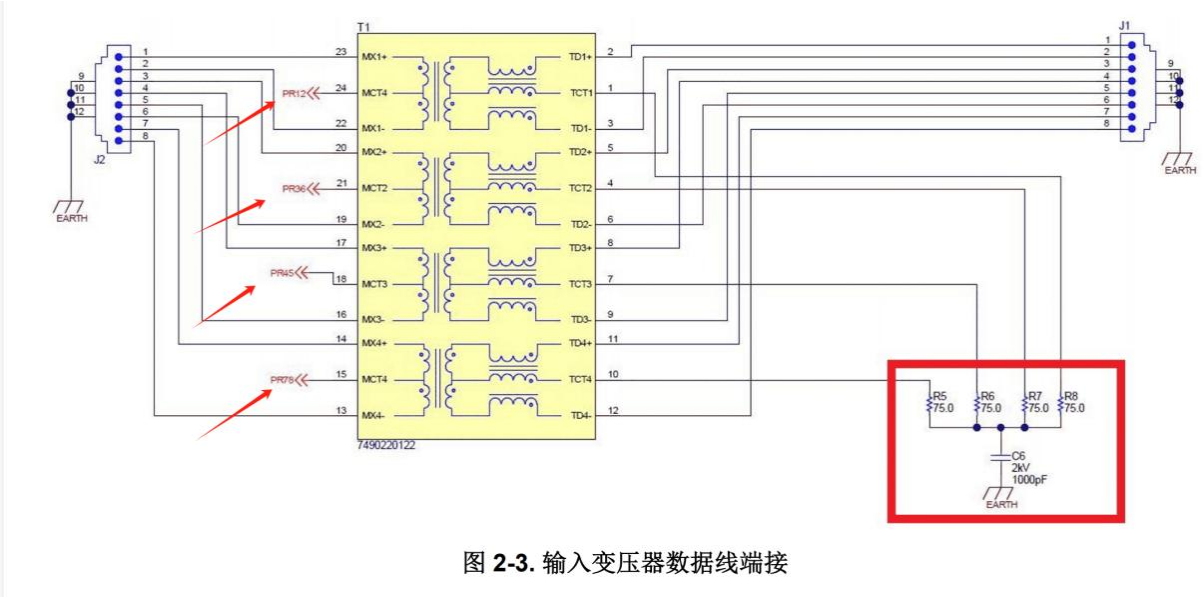



图 **2-3.** 输入变压器数据线端接

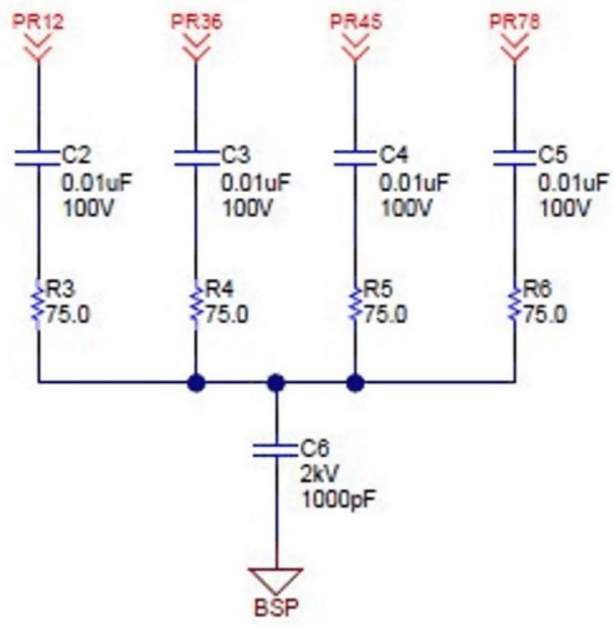



图 **2-2. Bob-Smith** 端接

②T1 需要选择支持 POE++的 10G 的网络变压器;

③网口与网络变压器之间需要严格按照差分信号走线;

④J2 是 PSE 输出端口, J1 是网络输入端口;

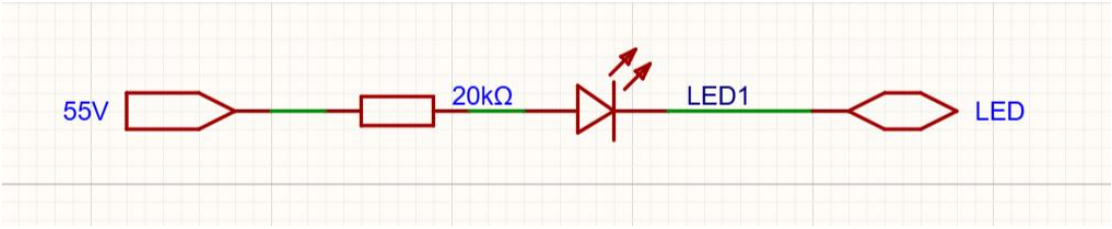
⑤PR12，PR45 接 **55V;** PR36 接 **PSE0;** PR78 接 **PSE1;**

⑥Bobsmith 电路需要保留, EARTH 对接 PSE 模块的 **FGND;**

⑦电源主板需要 52V-57V 输出;

⑧电源主板输入 AC 的 PE 地,对接 PSE 模块的 **FGND;**

⑨电源主板 52-57V 串 20K 电阻串 LED 灯对接 PSE 模块的 **LED,**当 PSE 对外供电时, LED1 点亮




3.) Reference for Peripheral Circuit Design

① Strictly route differential signals between the network port and the network transformer.

② T1 must be a 10G network transformer supporting POE++.

③ Strictly route differential signals between the network port and the network transformer.

④ J2 is the PSE output port, and J1 is the network input port.

⑤ Connect PR12 and PR45 to 55V; connect PR36 to PSE0; connect PR78 to PSE1.

⑥ Retain the Bobsmith circuit, and connect EARTH to the FGND of the PSE module.

⑦ The power supply mainboard requires an output of 52V-57V.

⑧ Connect the PE ground of the AC input on the power supply mainboard to the FGND of the PSE module.

⑨ Connect the 52-57V of the power supply mainboard to the LED of the PSE module through a 20K resistor in series with an LED lamp; LED1 lights up when the PSE supplies power externally.

