

# AC-DC 12V 1.25A DATASHEET

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## Description

This PCB board was designed to allow the user to hook up an AC power source and convert it to a DC power source. The board was designed for a Mean Well IRM-15-12 AC-DC converter which can supply 12 volts at 1.25A. The input voltage can range from 100 VAC to 240 VAC. This is just the PCB board itself and the purchase of the other parts are required. The parts can be ordered through Digikey. The link for the AC-DC converter can be found below in the BOM. The picture on the far right is what the assembled board will look like.



## BOM (Refer to the Schematic)

- Mean Well IRM-15-12: QTY 1  
(Link: <https://www.digikey.com/products/en?keywords=IRM-15-12>)
- 1k THT ¼ W Resistor: QTY 1
- 5mm THT LED(Color is Optional): QTY 1
- 4 POS Screw Terminal 5.08mm Pitch: QTY 1

## Applications

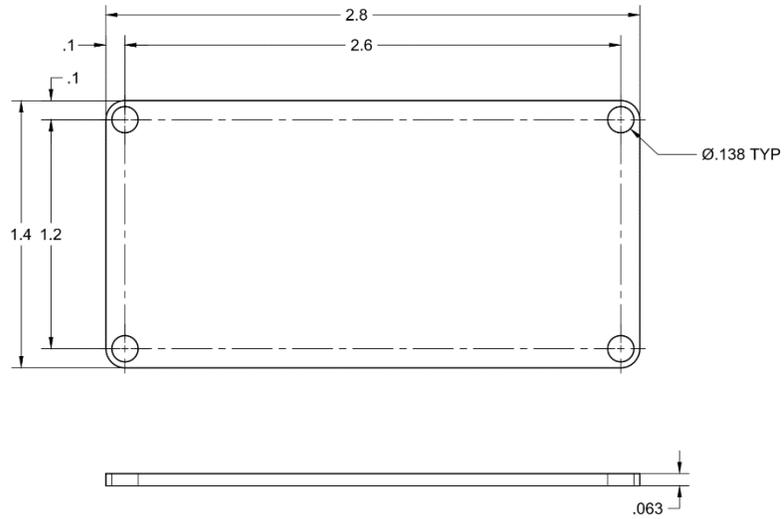
- Power Conversion
- DIY Electronics

## Specifications

- Board Only (Assembly Required)
- Input Voltage: 100 – 240 VAC
- Output Voltage: 12VDC
- Current Rating 1.25A max
- Dimensions: 1.4" X 2.8"
- Leadfree HASL Surface Finish

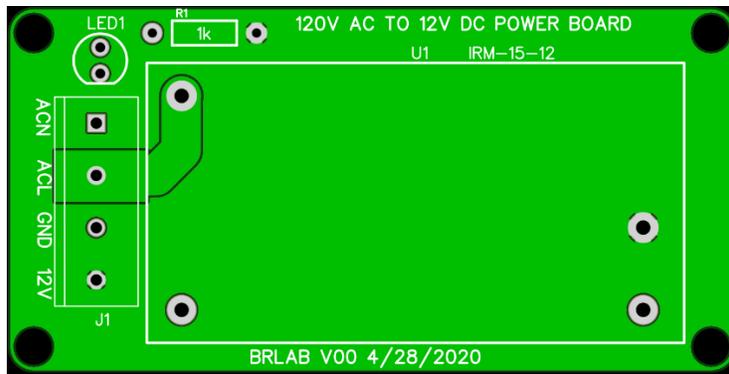
**Dimensional Specifications**

Dimensions are in inches.

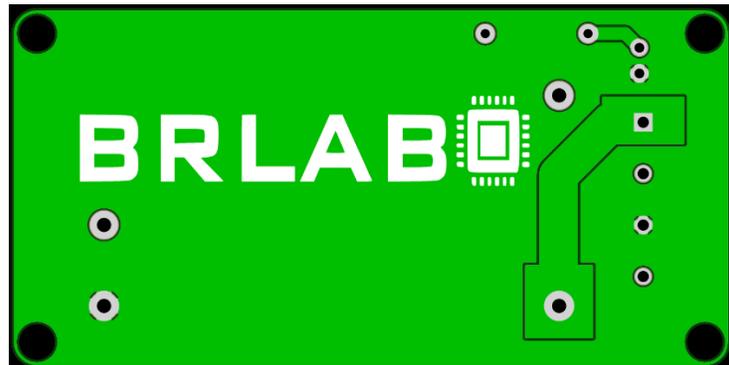


**Board Layout**

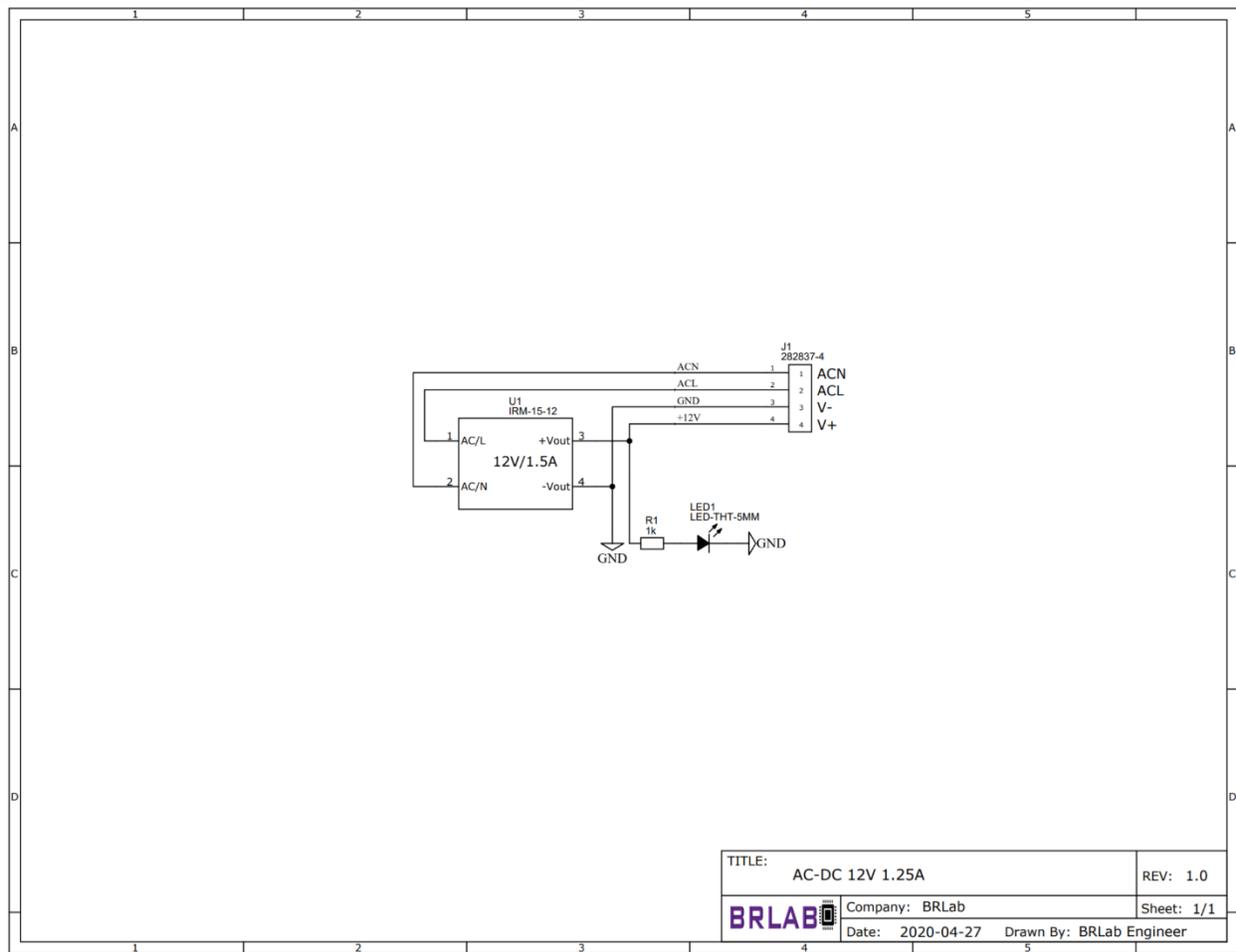
**TOP SIDE**



**BOTTOM SIDE**



Schematic



**Revision Changes**  
V00 – Initial Release

**Contact Info**

For comments or concerns feel free to send them to [brlabelectronics@gmail.com](mailto:brlabelectronics@gmail.com).  
Please be sure to follow us on Instagram @brlabelectronics.