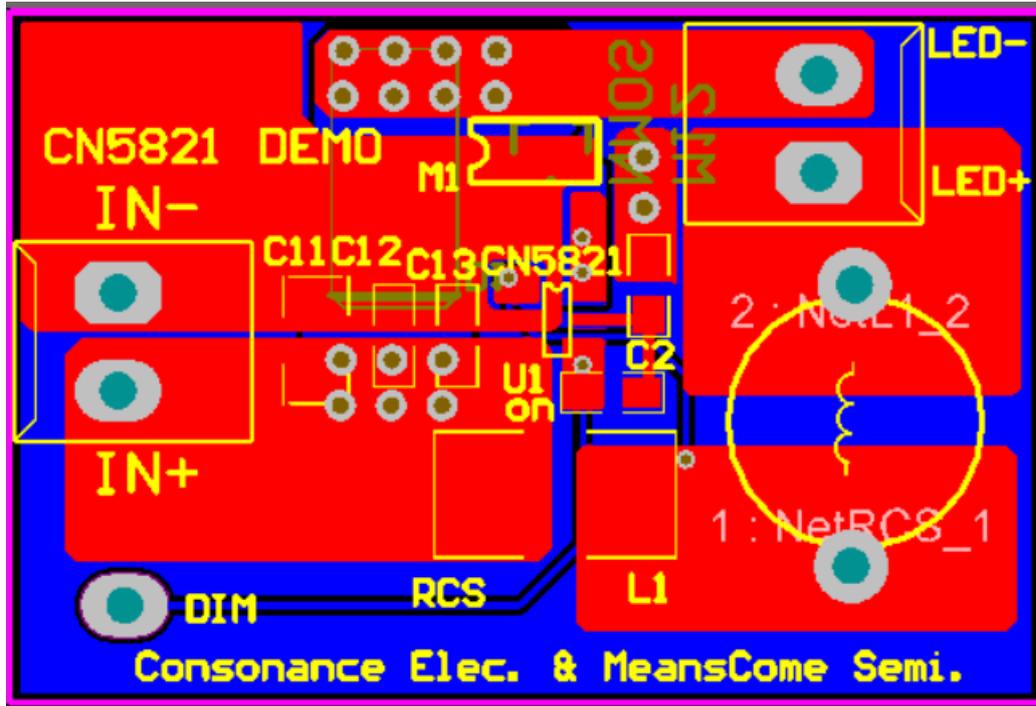


Quick start of CN5821 Demo Board

1、 Overview

The CN5821 demo board is for the purpose of fast evaluation of CN5821.

2、 PCB Layout of CN5821 Demo Board



4、 Component List and Descriptions

No.	Name	Description
1	IN+	Positive Terminal of Input Power Supply.
2	LED+	The Positive Terminal of LED(s).
3	LED-	The Negative Terminal of LED(s).
4	IN-	Negative Terminal of Input Power Supply.
5	M1, M1_1	The External N-channel MOSFET. The device that is available in SOT23-3 or SOP8 package can be used. M1_1 is for SOT23-3 package, and M1 is for SOP8 package.
6	U1	LED driver IC CN5821.
7	D1	Schottky Diode.
8	DIM	LED Brightness Dimming Input.
9	L1	Inductor.
10	Rcs	LED Current Sense Resistor.
11	C11, C12, C13	Input Supply Bypassing Capacitor.
12	C2	5V Voltage Regulator (LDO) Output Capacitor.