

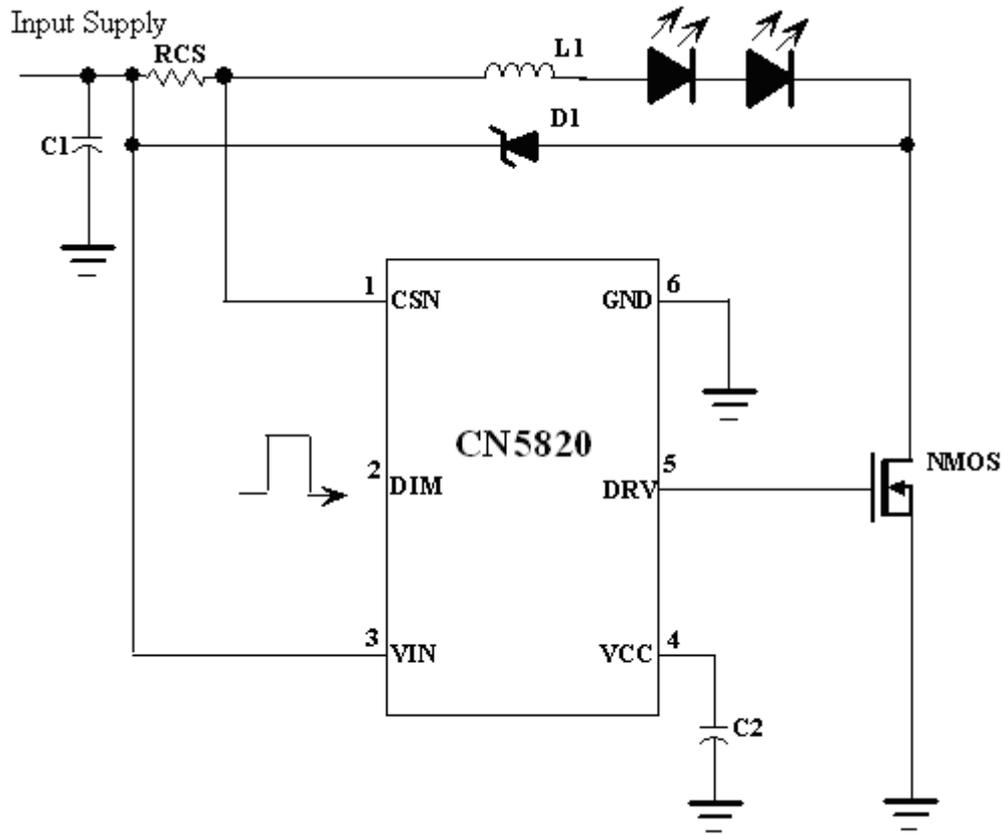
# CONSONANCE

## Quick start of CN5820 Demo Board

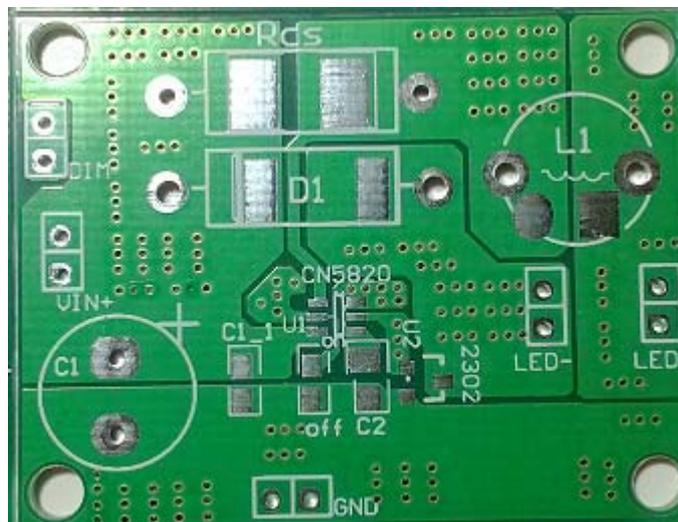
### 1、 Overview

The CN5820 demo board is for the purpose of fast evaluation of CN5820.

### 2、 Schematic of the Demo Board



### 3、 PCB Layout of CN5820 Demo Board



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## 4、 Component List and Descriptions

No.	Name	Description
1	VIN+	Positive Terminal of Input Power Supply.
2	LED+	The Positive Terminal of LED(s).
3	LED-	The Negative Terminal of LED(s).
4	GND	Negative Terminal of Input Power Supply.
5	U2, U3	The External N-channel MOSFET. The device that is available in SOT23-3 or SOP8 package can be used. U2 is for SOT23-3 package, and U3 on the back side is for SOP8 package.
6	U1	LED driver IC CN5820.
7	D1	Schottky Diode.
8	DIM	LED Brightness Dimming Input.
9	L1	Inductor.
10	Rcs	LED Current Sense Resistor.
11	C1, C1_1	Input Supply Bypassing Capacitor.