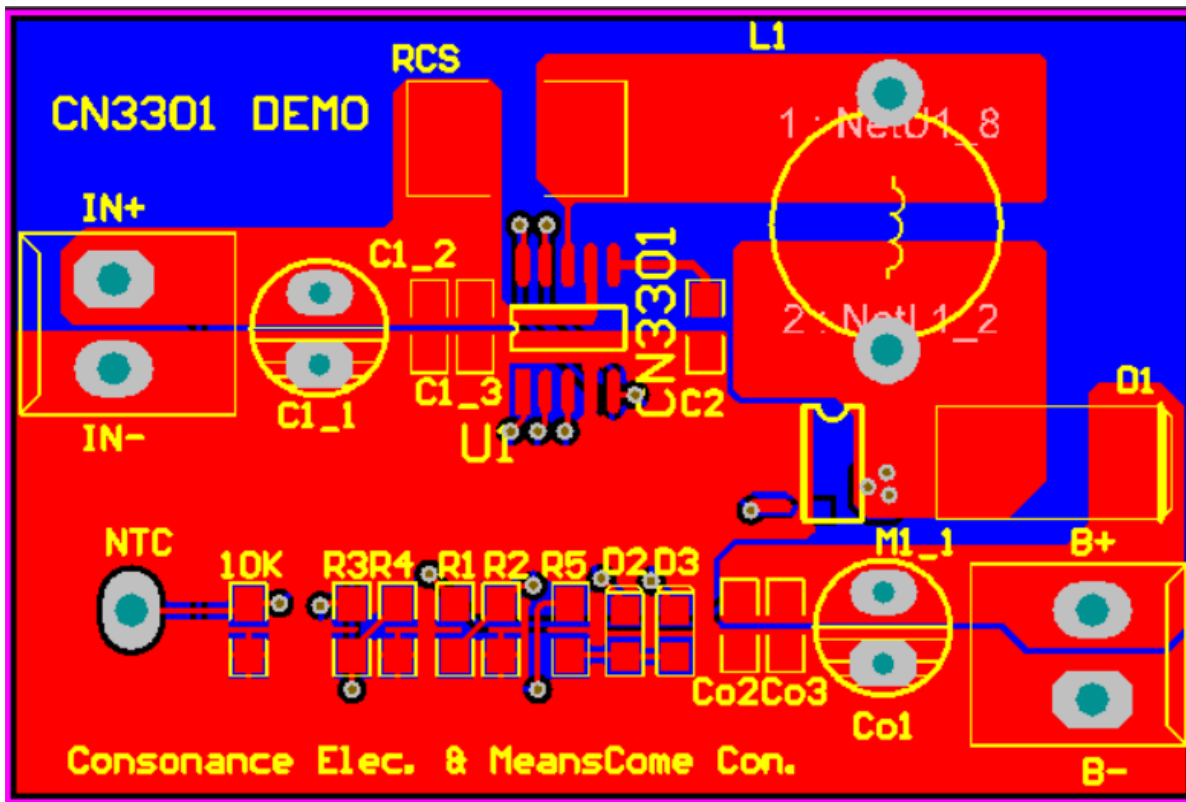


Quick Start to CN3301 Demo Board

1. Introduction

Customers can use the CN3301 demo board for evaluation and debugging. A complete charging circuit can be built according to the components listed below.

2. CN3301 Demo Board Layout



3. Component Description

#	Name	Description
1	IN+	Terminal for Power Input (Positive)
2	IN-	Terminal for Power Input (Ground)
3	BAT+	Connection to Battery Positive Terminal
4	BAT-	Connection to Battery Negative Terminal (Ground)
5	U1	CN3301
6	NTC	External NTC terminal. When no external NTC resistor is required, only a conventional 10k resistor needs to be connected. CN3301 TEMP Pin cannot be float.
7	10k	CN3301 TEMP pin setting resistance. If NTC resistors are not used, a 10k resistor at this position.

8	R1	Resistor for Programming Battery Voltage
9	R2	Resistor for Programming Battery Voltage
10	R3	Resistor for Programming MPPT Voltage
11	R4	Resistor for Programming MPPT Voltage
12	R5	Resistor for Charge / Charging Termination LED Indicator
13	RCS	Current Sense Resistor
14	L1	Inductor
15	D1	Schottky Diode
16	D2	Charge Status LED Indicator
17	D3	Charge Termination LED Indicator
18	M1_1/M1_2	NMOS; One or both are connected.
19	C1_1/C1_2/ C1_3	Capacitors for Power Input
20	Co1/Co2/Co3	Capacitors for Power Output
21	C2	Internal power bypass capacitor. A 10uF capacitor is ok.