

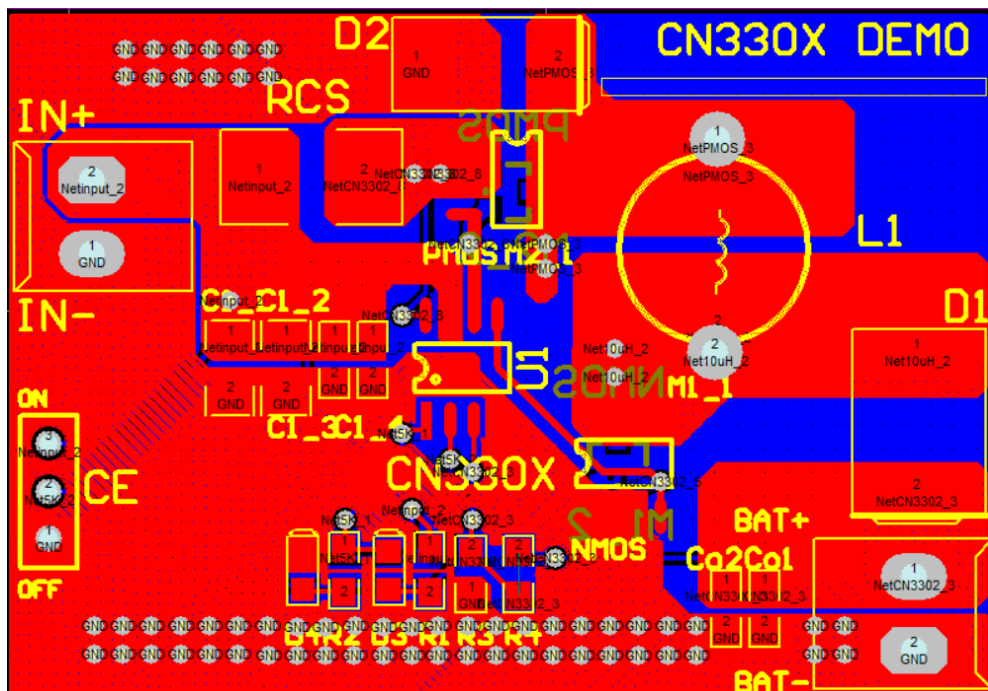
Quick Start to CN3305 Demo Board

1. Introduction

Customers can use the CN3305 demo board for evaluation and debugging. A complete charging circuit can be built according to the components listed below.

In order to optimize the performance of CN3305, it should be studied with the “Design Example” mentioned on Page 11 of the CN3305 datasheet.

2. CN3305 Demo Board



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	CN3305
6	CE	Jumper (If it is connected to ON, CN3305 will active. If it is connected to OFF, CN3305 will be disable.)
7	R1	Resistor for Charge Termination LED Indicator
8	R2	Resistor for Charge Status LED Indicator
9	R3	Battery charge termination voltage setting resistor. Set the resistance

		according to the terminal voltage of battery positive charge item on page 7 of cn3305 datasheet.
10	R4	Battery charge termination voltage setting resistor. Set the resistance according to the terminal voltage of battery positive charge item on page 7 of cn3305 datasheet.
11	RCS	Current Sense Resistor (Please refer to CN3305 datasheet.)
12	L1	Inductor (Please refer to CN3305 datasheet.)
13	D1	Schottky Diode (Please refer to CN3305 datasheet.)
14	D2	Schottky Diode (Please refer to CN3305 datasheet.)
15	D3	Charge Termination LED Indicator
16	D4	Charge Status LED Indicator
17	M1_1/M1_2	NMOS; One or both are connected. (Please refer to CN3305 datasheet.)
18	M2_1/M2_2	PMOS; One or both are connected. (Please refer to CN3305 datasheet.)
19	C1_1/C1_2/ C1_3/C1_4	Capacitors for Power Input (Please refer to CN3305 datasheet.)
20	Co1/Co2	Capacitors for Power Output (Please refer to CN3305 datasheet.)