

# NSP2340T16L Development Demo Board User Guide

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## 1. Overview

NSP2340T16L Development Demo Board is the demo board for 16 Cap Touch. User can implement Voice Assistance applications with Cap Touch.

## 2. PCB Image and Placement

The Figure 1 and Figure 2 show the PCB images of NSP2340T16L Development Demo Board.



Figure 1. The top side

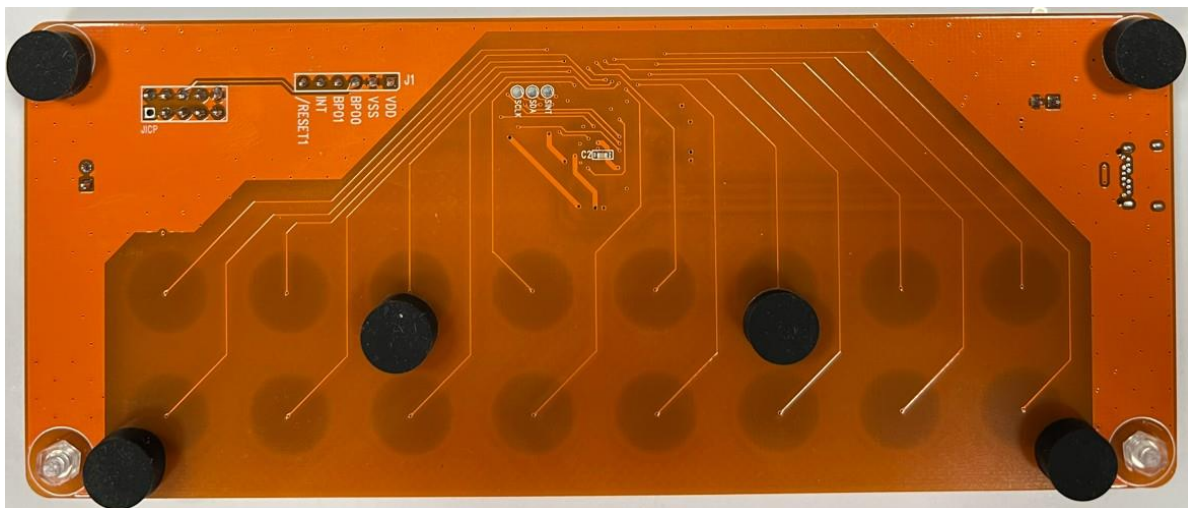


Figure 2. The bottom side

The Figure 3 and Figure 4 show the PCB placement of NSP2340T16L Development Demo Board.

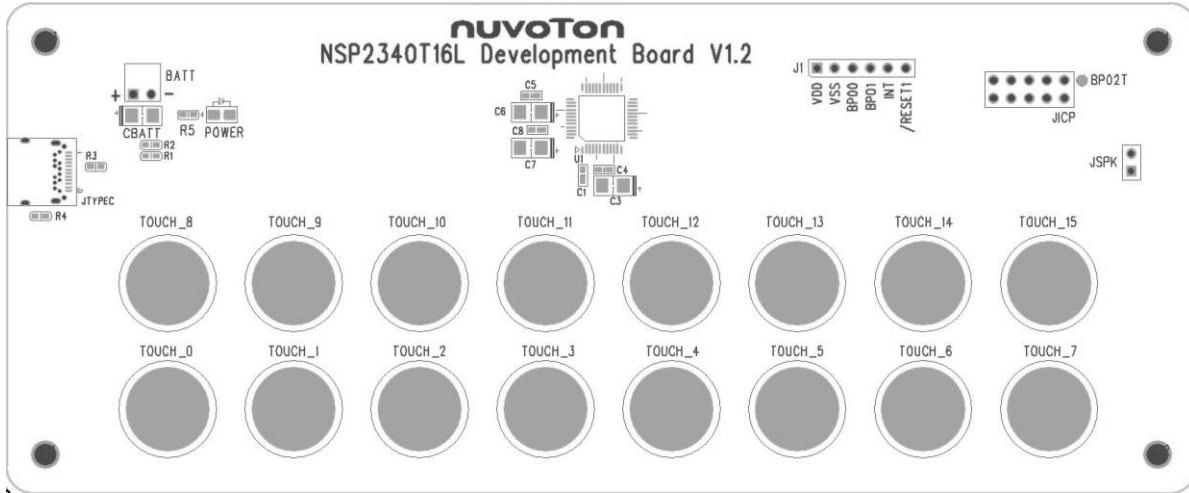


Figure 3. The top placement

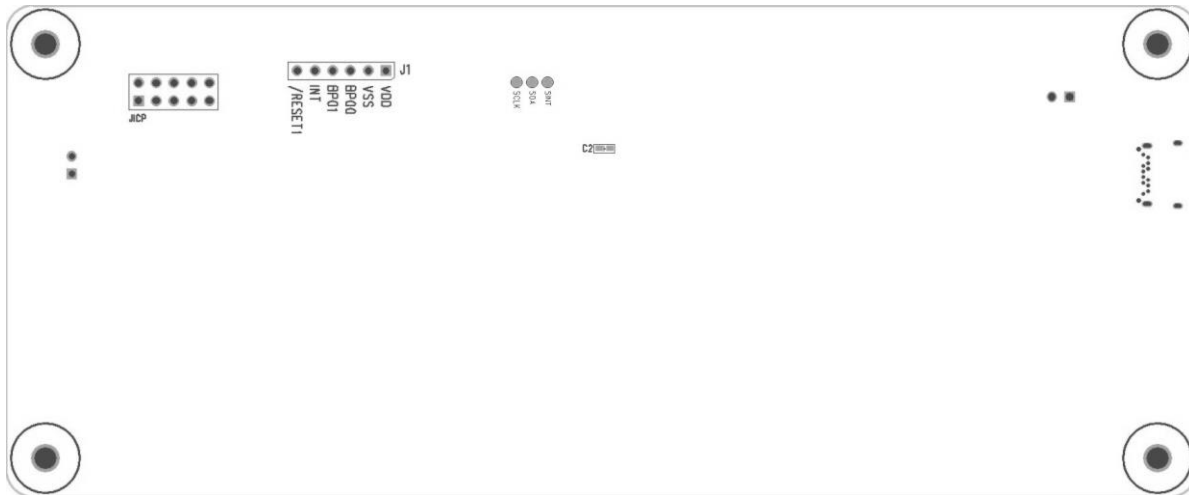


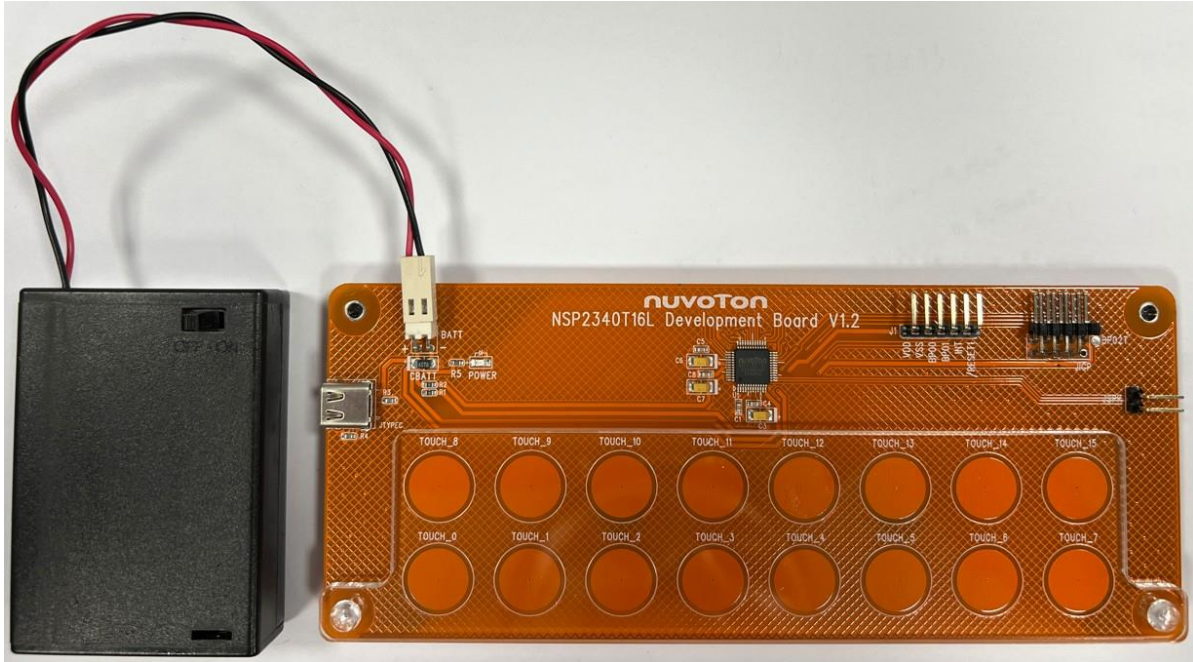
Figure 4. The bottom placement

### 3. Description

#### 3.1 Power Supply

Power source from battery for demo board.

- BATT : Power supply input pin. The operating voltage is 2.1V ~ 5.5V.



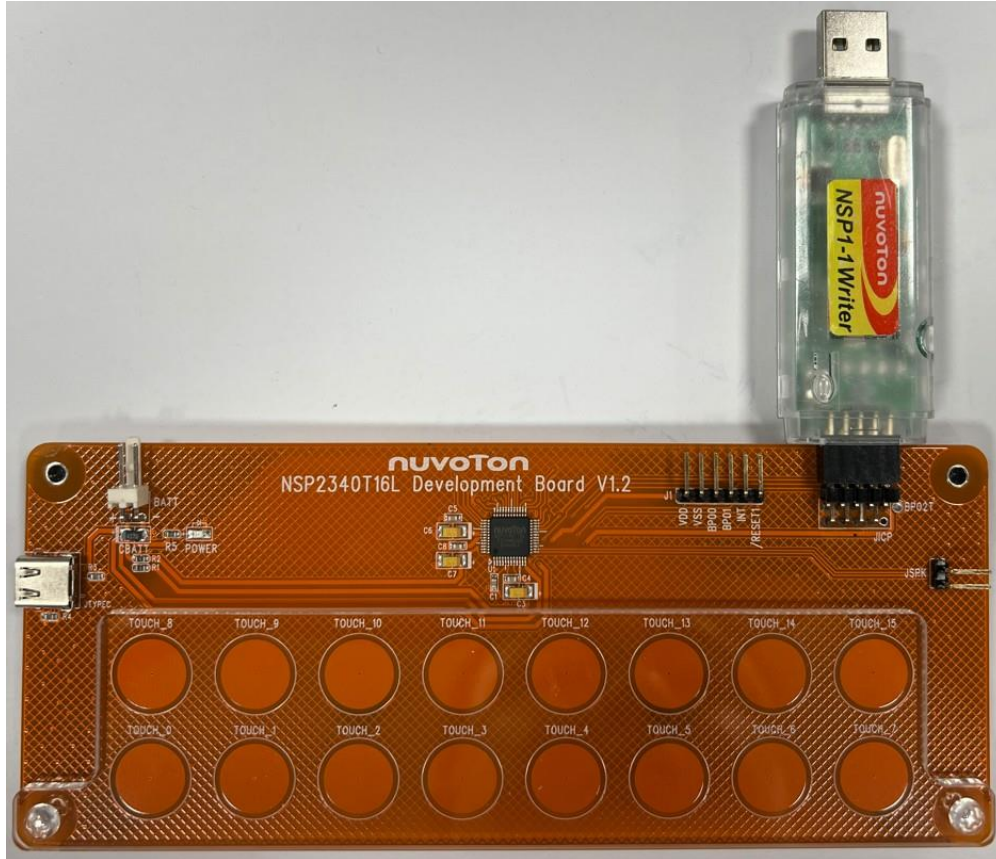
Power source from Type-C for demo board.

- JTYPEC : Type-C interface as the power supply of NSP2340T16L.

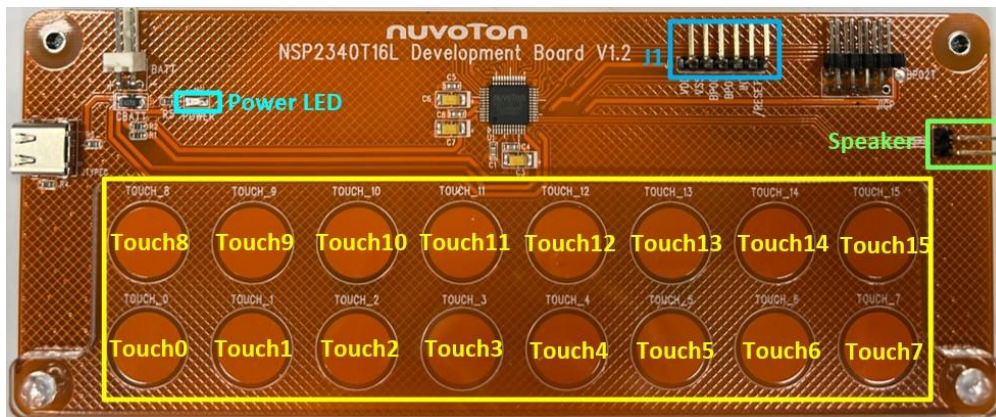


### 3.2 NSP Chip Programming

The obj file of NSP2340T16L can be download to NSP chip through NSP ICP Writer software.



### 3.3 Touch Pad, LED and Speaker



• J1 :

1	2	3	4	5	6
VDD	VSS	BP00	BP01	INT	/RESET



## 5. Revision History

Version	Date	Substantial Changes	Page
1.0	Oct. 2023	Initial Release	All

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