



## YeaCreate-RK3326s-DUOBO Specification for Peripheral Board-v0.1

Motherboard Model:	YeaCreate-RK3326s-DUOBO V0.8
Board Function:	LG Peripheral Board of Coffee Machine
Security Level :	Public

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# 1Introduction

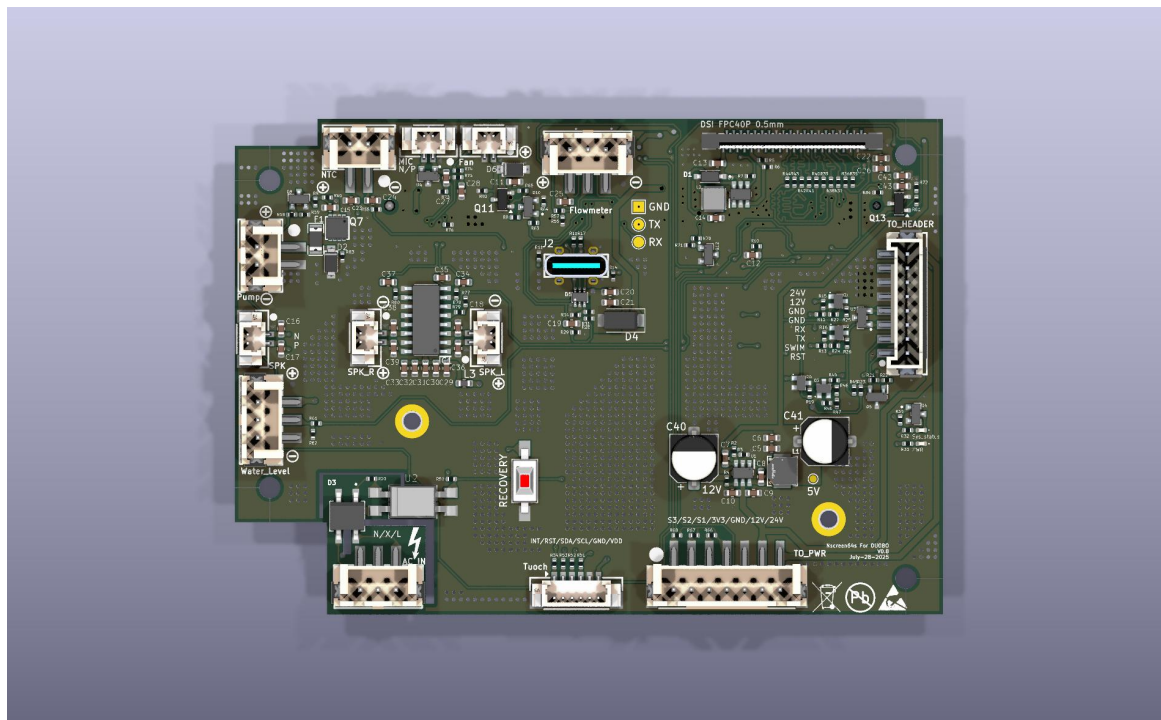
YeaCreate Iot is committed to providing smart home solutions to create a smarter and more convenient life for people. As an innovator in embedded application technology, YeaCreate Iot is constantly driving the innovation of home interconnection and intelligent interconnection solutions.

YeaCreate-RK3326s-DUOBO is an integrated expansion solution based on the high-performance Rockchip RK3326s processor, specifically designed and developed for LG DUOBO's high-end coffee machines. The core objective is to seamlessly upgrade traditional coffee machines into a new generation of intelligent and multi-functional products, meeting the growing demands of modern business scenarios, remote management, intelligent interaction and the diversity of beverages.

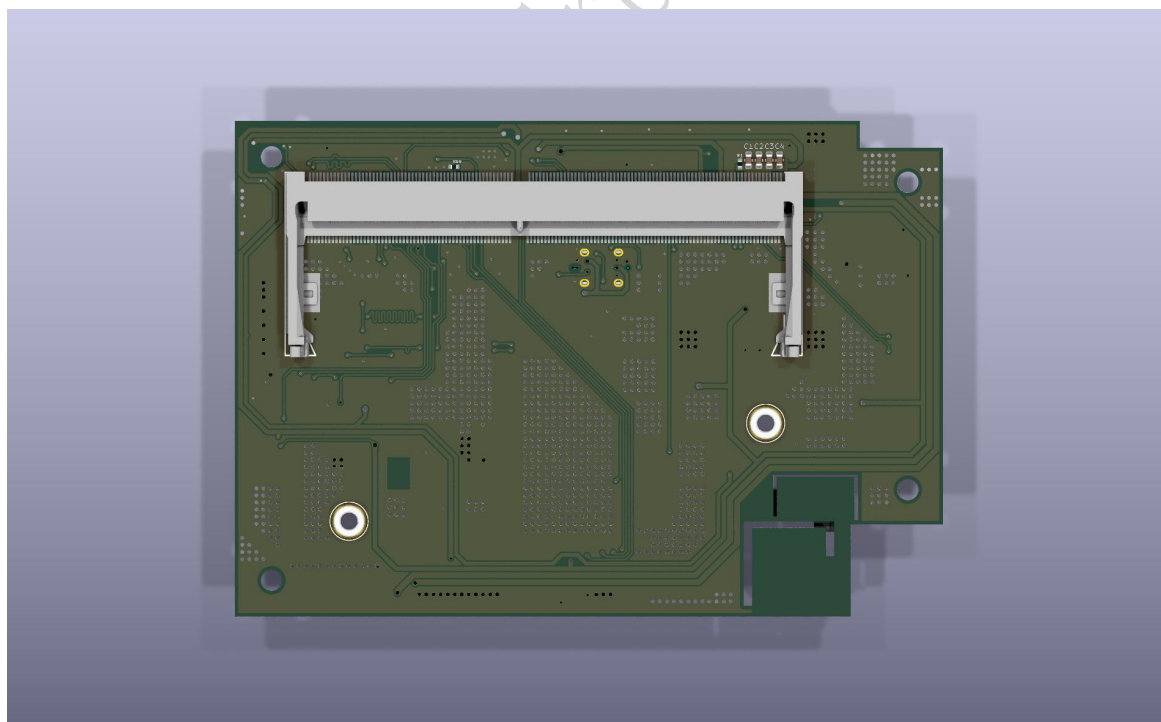
**Unless otherwise specified, the standards that the product complies with are described in this document.**

## 2 Appearance and Dimensions

### 2.1 Appearance Diagram as below:



Front (Fig 1)



Back (Fig 2)

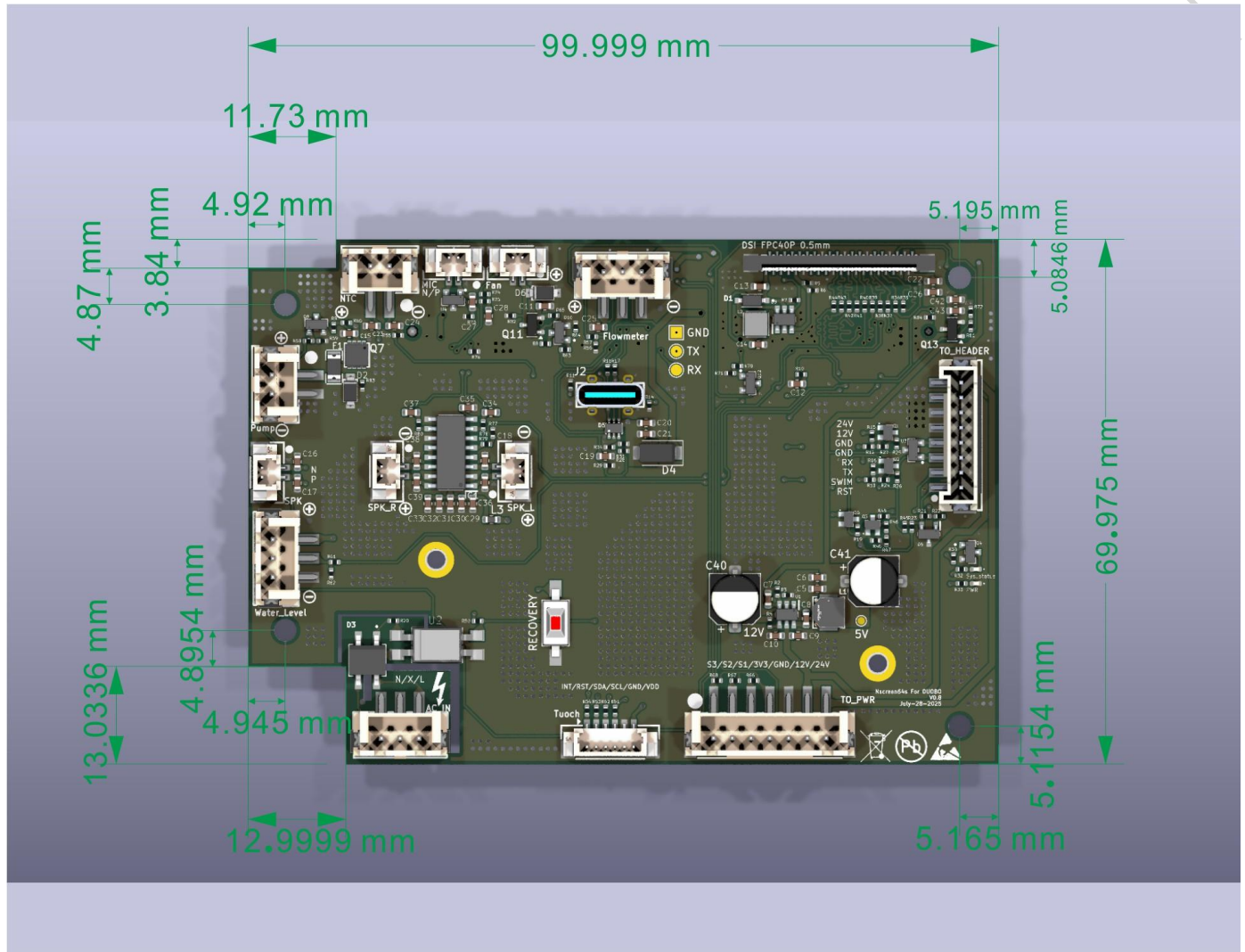


## 2.2 Dimensions

Width: 100mm

Length: 70mm

Tolerance:  $\pm 0.5\text{mm}$



(Fig 3)

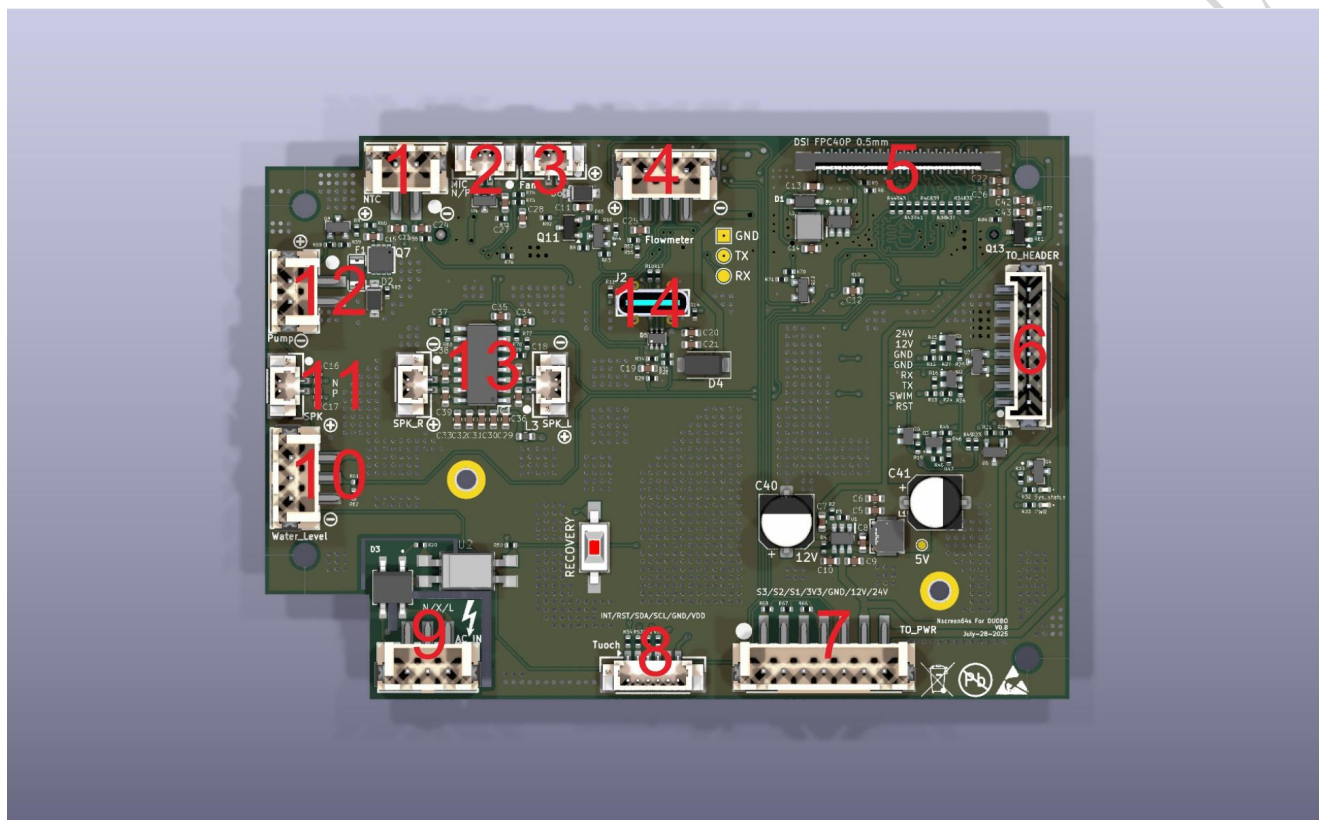


## 3 Application Guide

This chapter mainly introduces the usage method of the peripheral board, including:

- The function of peripheral board
- Back of the Peripheral Board

### 3.1 Development Board Function



(Fig 4)

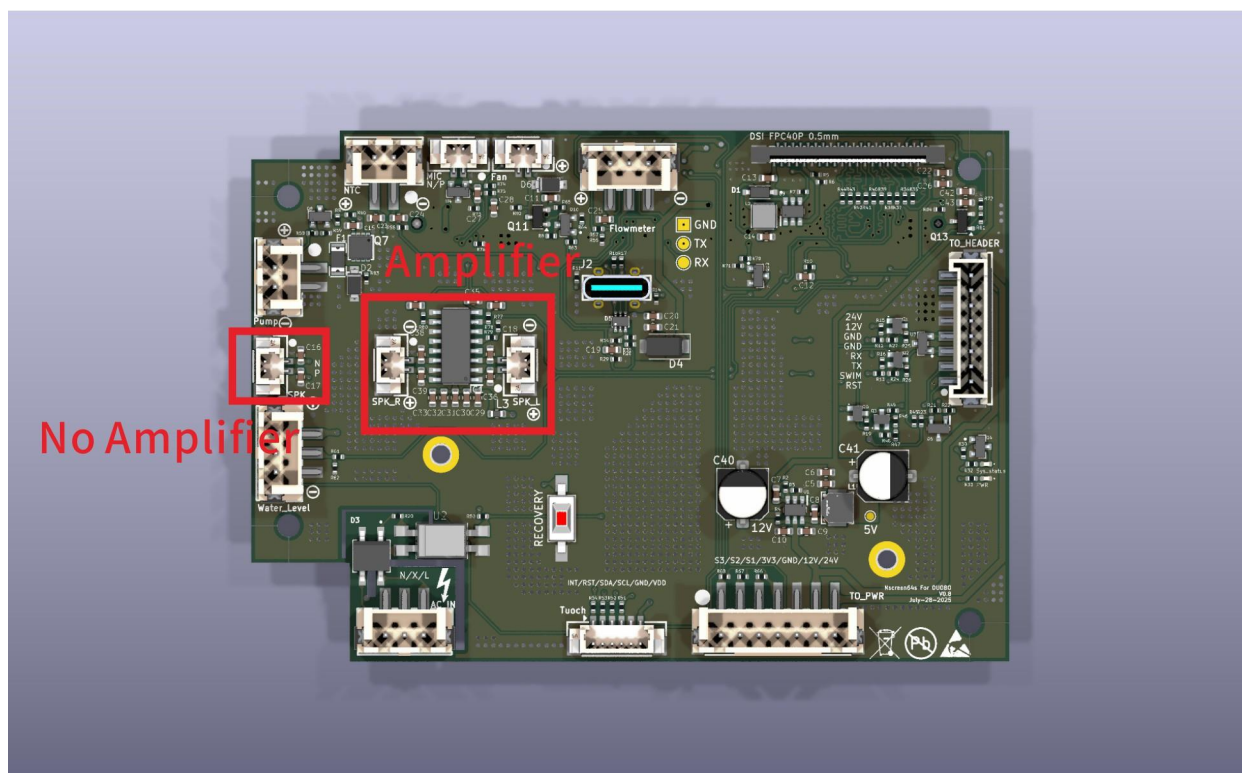




Table 3.1 Function List

Number	Description
1	NTC Temperature Sensor Interface
2	MIC Interface (Optional)
3	Cooling Fan Interface (Optional)
4	Water Flow Sensor Interface
5	LCD display interface, supporting a resolution of 1920x1080
6	Head Small Board Control Interface
7	Power input, supporting 24V/12V
8	Touch Key Interface
9	AC CHECK interface, used for precise temperature control (optional)
10	Water Level Detection Interface
11	Audio output (without power amplifier) - choose one of two
12	Water Pump Control Interface
13	Type-C power supply and programming download
14	Audio output (with power amplifier) - choose one of two
15	Reset Button

Only one of the audio output with a power amplifier or without a power amplifier can be selected, as shown in the figure below.



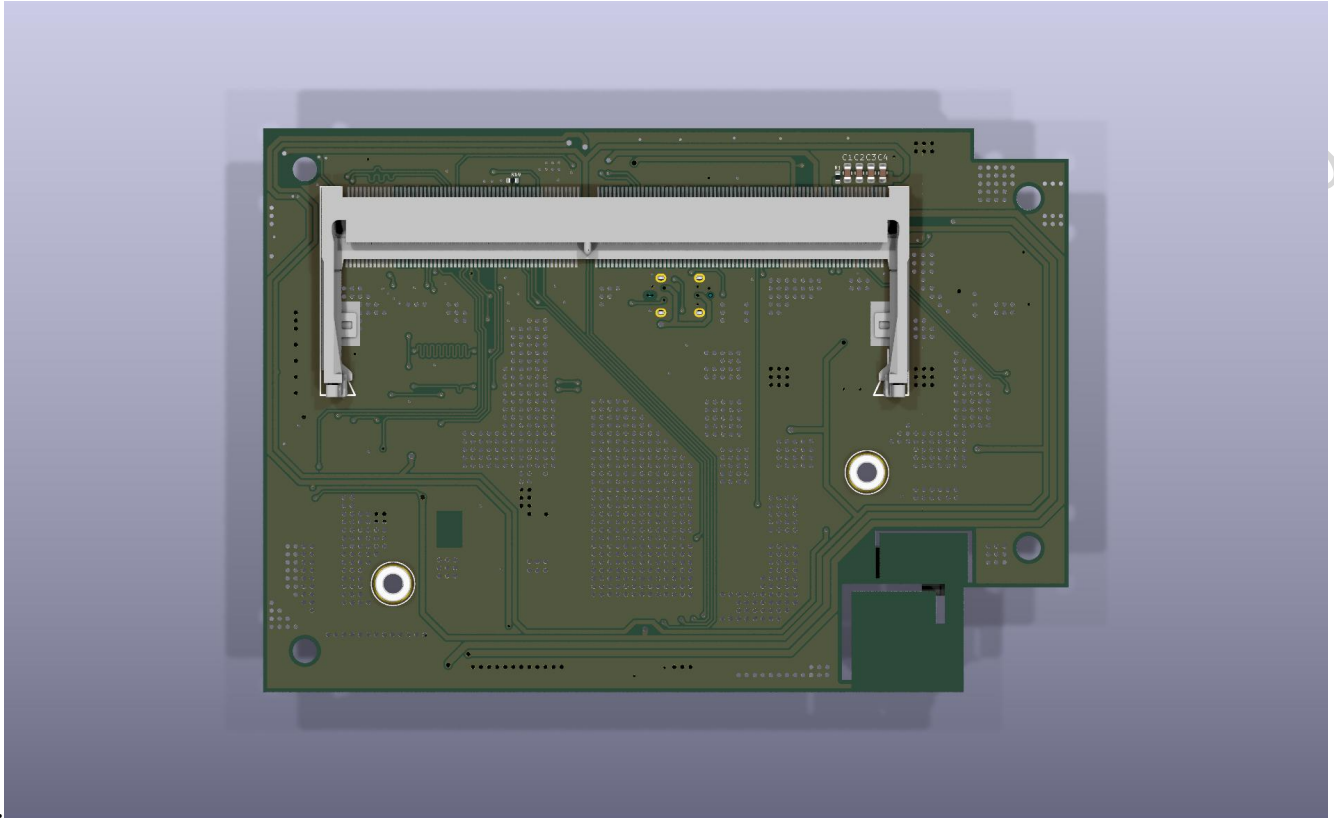
(Fig5)





### 3.2 Back of the Development Board

The core board on the back adopts a card slot design, which facilitates maintenance or replacement.



(Fig 6)