

Luckin Food Technology (Shanghai) Co LTD

May 27, 2026

Federal Communications Commission
Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: 2BO5E-VENUS

Applicant: Luckin Food Technology (Shanghai) Co LTD

Dear Examiner,

This is to request a Class II Permissive change for FCC ID: 2BO5E-VENUS originally granted on 06/09/2025 (date).

The change under this application is to

Only add new appearance, have the same PCB board and block diagram and operating principle as the certified prototype, except for only change the Main control board (functional) and Hall board (functional), it does not affect Output Power.

Sincerely,

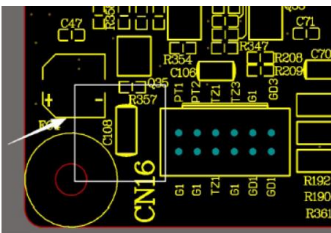
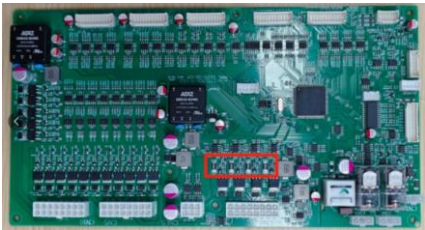
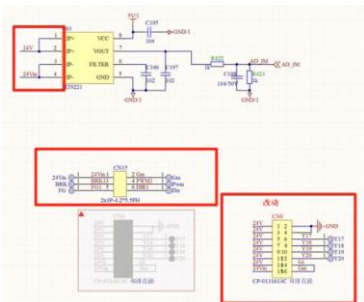
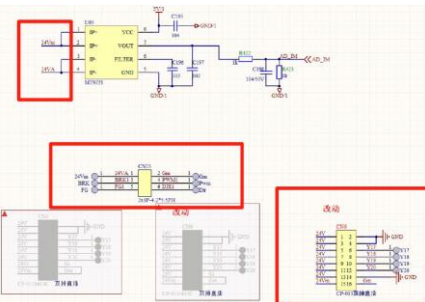
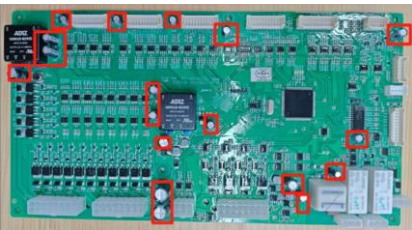
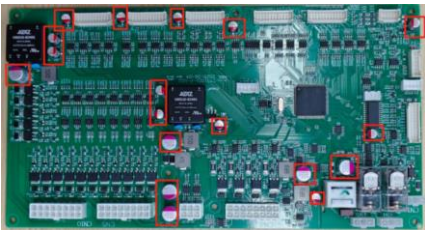
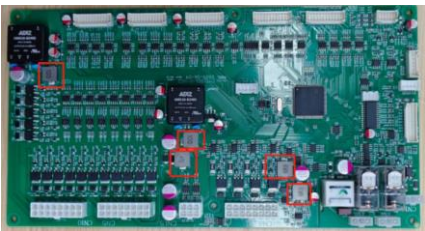
Name: Eric She **Date:** May 27, 2026

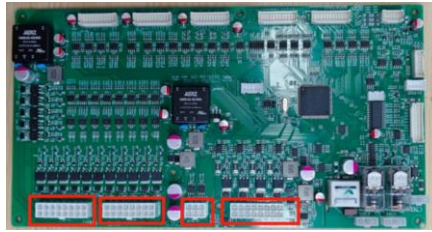
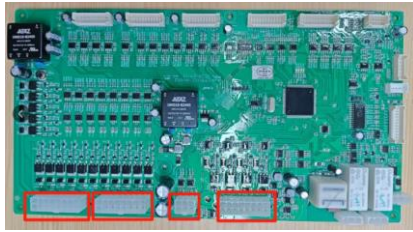
Title: expert-equipment

Signature of applicant:

A handwritten signature in black ink, appearing to read 'Eric She', followed by a stylized flourish.

Detail of changes as below:
Main control board (functional)

Original	New	Differences
/		For the water level probe detection problem, remove the C108 patch capacitor. Troubleshooting water shortage problems.
		R451,R427,R435,R465 chip resistance change. Improve the accuracy of AD detection.
		Modify 24V power supply and ground loop. Mainly used to detect whether the brushless motor is blocked; and form a hardware linkage with the Hall board.
		All electrolytic capacitors are replaced by solid electrolytic capacitors. Reduce the equivalent series resistance and improve the service life.
		L2,L3,L4,L8,L9 to shield inductance Improve EMC, increase the heat dissipation effect, increase the current flow capacity.
		RLL1,RLL2 Relay Change Manufacturer Changed from Sanyo to Omron Improve the working performance of the relay.



CN6,CN15,CN5,CN10 sockets are replaced by 5566 specifications for 5569 specifications.

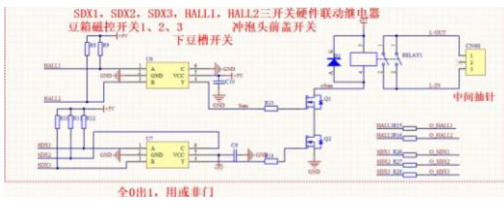
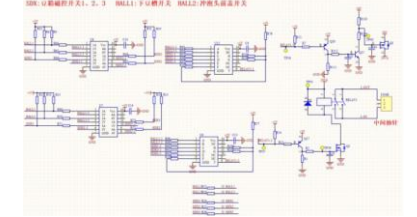
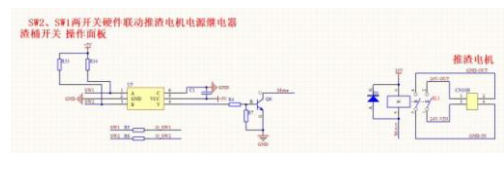
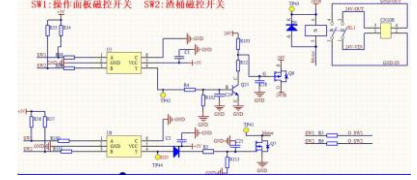
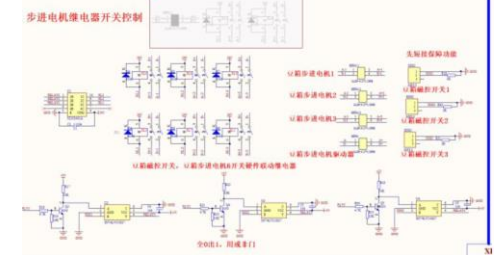
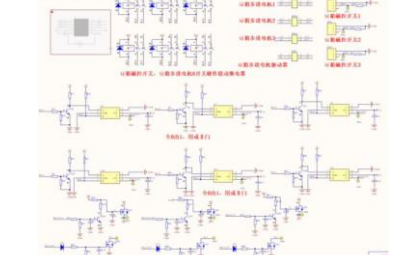
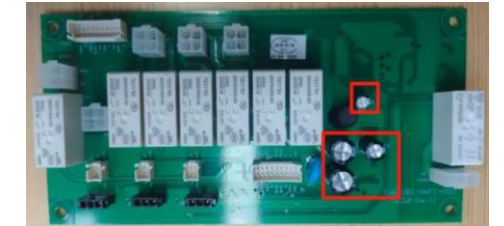
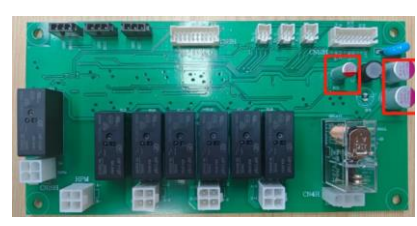
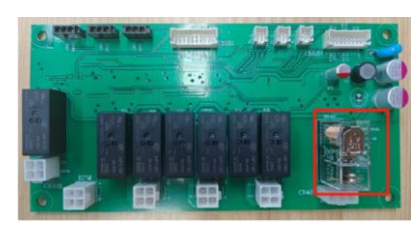
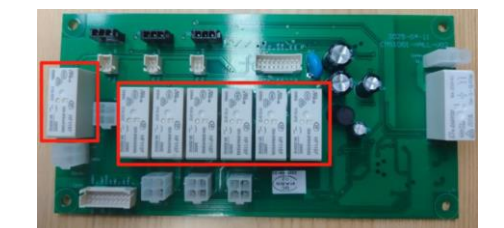
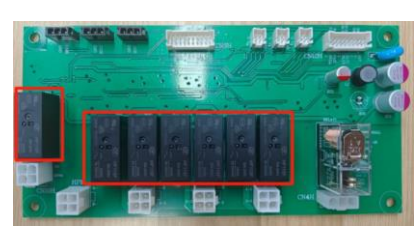
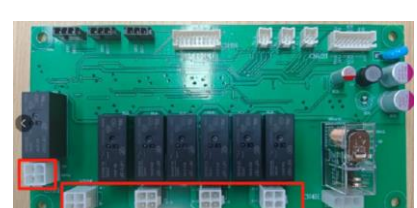
The 5569 socket is more solid, and the cable is not easy to loosen.



J2,DGB1 Burn Pin Changed from Pin to Socket.

It is convenient for software engineers to debug programs.

Hall board (functional)

Original	New	Differences
		Added U9 and U13 protection circuits to meet the requirements of safety regulations
		Add U8 protection circuit to meet the requirements of safety regulations
		Added protection circuits U10, U11 and U12 to meet safety requirements
		All electrolytic capacitors are replaced by solid electrolytic capacitors. Reduce the equivalent series resistance and improve the service life
		RELAY1 Relay Change Manufacturer Changed from Sanyou to Omron Improve the working performance of the relay
		RL1,3,4,5,6,7,8 relay change model from HF115-024-2HS4A to HF115-024-2HS4
		CN10H;HPM;HPM1;HPM2;HPM3 socket is changed from 5566 specification to 5569 specification. The 5569 socket is more solid, and the cable is not easy to loosen.