

BIT DogHouse Revise Sheet

Version	Revise Date	Description
V1.00	2024/3/14	Original
V1.01	2024/3/15	1.Add a motor driver on the rotor. 2.Use LiPo battery and charging circuit on the stator. 3.Move the IR pair to the rotor. 4.Add 4 extra switches in Stator. 5.Bond the DEVICE pin for U3 N55P242 to GND and U2 N55P242 to VLed .
V1.02	2024/3/18	1.Add Net IOA8,IOB7,IOB11.
V1.03	2024/3/21	1.Changed the IR Reflector to YBO-ITR8307,add Q1.
V1.04	2024/3/24	LCD version
V1.05	2024/3/28	1.Add a transistor control LCD screen. 2.Changed the Spring switch IO to IOB11. 4.Changed the white LED to 5050.
V1.06	2024/4/10	1.Updated LCD model and IO PIN.
V1.07	2024/4/15	1.Add 12 PIN header(J2).
V1.08	2024/6/19	1.Changed the MCU to GPCE500A.
V1.09	2024/7/26	1.Change the LCD power control PIN to IOB9 and the voltage and voltage detection PIN to IOA7. 2.Add C20 470PF.
V1.12	2024/7/26	1.Change the LCD power control PIN to IOA3.
V1.13	2024/8/6	1.Change the LED to YBO-3014WLG1.
V1.14	2024/9/10	1.Del MCU PIN3 V3.3,PIN4 GND. 2.Change the LED Power to V3.3. 3. Add DC-DC
V1.15	2024/9/27	1. Removed DC-DC
V1.16	2024/10/10	1. Added 2.4G communication.
V1.17	2024/10/14	1. Del Power switch,del D5,R3.
V1.18	2024/10/22	1. Change the 2.4G communication connection SPI. 1. Change the 2Spring Switch connection V3.3.
V1.19	2024/10/23	1. Increase the PCB size by 3mm.
V1.20	2024/11/01	1.Move the LED position.
V1.21	2024/12/05	1.R15 change to NC.
V1.22	2024/12/25	1.PTC moved to B+. 2.Added B1,B2 bead options. 3.Spring switch change to SW-18015P-15. 4.L1 change to 2.2NH. 5.C19,C22 change to 1PF. 6.R5 change to 470R.
V1.23	2025/1/17	1.Del B1,B2. 2.LDO from BX6208-3.3 change to BX6205-3.3. 2. Change the PTC1 to 0.5A.
V1.24	2025/3/24	1.Remove C7/4.7PF/0603.



**Spin Master DongGuan Technical
Consultancy Servicing Co. Ltd**

Drawing By: Dennis Deng	Date: 03/04/2025	Title: BIT_Dog House			
Checked By:	Date:	Model NO: T.22909			
Approved By:	Date:	Size	A4	Sheet 2 of 2	Revision V1.24