Content

VULTURE_HMCB_V02

```
SHEET 01 Content
SHEET_02_Changelist
SHEET_03_Block diagram
SHEET 04 Power Tree
SHEET 05 Power
SHEET 06 Power Contol
SHEET 07 MCU
SHEET 08 CAN&WD&RS485
SHEET 09 Driver1
SHEET 10 Driver2
SHEET 11 AMP1
SHEET 12 AMP2
SHEET_13_Peripheral
SHEET 14 Connector to Board
SHEET 15 Connector to Device
SHEET 16 Connector to HMCB
SHEET 17 HMCB
SHEET 18 Test Point
```

Syrius 炬星 Syriusrobotics Technologies(ShenZhen)						
Title:	VULTURE_HMCB_V02	Document Number: < XXXXX >				
Date:	2024-03-20	VER: V02 SIZE: A3				
Author:	LIANGKUAI	Sheet 1 of 18				

Change List

VER. HMCB_V01 HMCB_V02

WHO liangkuai liangkuai

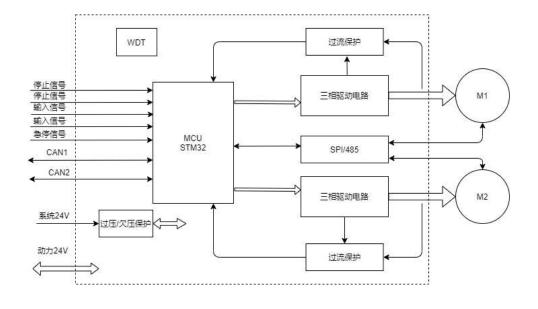
HO DATA kuai 2023.11.29 kuai 2024.2.28 Description

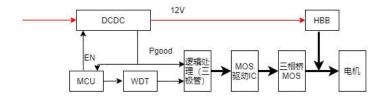
第一版设计

- 1,外接泄放电阻识别功能FAIL,使用新的方案。
- 2,米勒效应修改优化措施导入。更换更佳的功率NMOS
- 3,动力电源母线电流采集的硬件RC滤波,使用RC=1MS的周期滤波。

Syrius 炬星 Syriusrobotics Technologies(ShenZhen)					
Title: VULTURE_HMCB_V02	Document Number	:: < XXXXX >			
Date: 2024-03-20	VER: V02	SIZE: A3			
Author: LIANGKUAI	Sheet 2	of 18			

Block Diagram

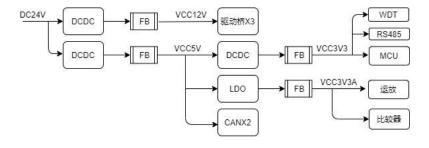


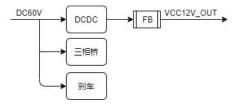


1.MCU 驱动电机前(包括自检),先打开对外12V电源(高电平打开),并检测12V是否正常,对外12V正常后才能驱动mos 2.MCU检测到过流事件,先让电机自由状态,在关闭对外12V输出

Syrius 炬星 Syriusrobotics Technologies(ShenZhen)					
Title: VULTURE_HMCB_V02	Document Number: < XXXXX >				
Date: 2024-03-20	VER: V02 SIZE: A3	Ī			
Author: LIANGKUAI	Sheet 3 of 18	Ī			







Syrius 炬星 Syriusrobotics Technologies(ShenZhen)					
Title: VULTURE_HMCB_V02	Document Number	:: < XXXXX >			
Date: 2024-03-20	VER: V02	SIZE: A3			
Author: LIANGKUAI	Sheet 4	of 18			

