H4AA30-C2

History

Document Number

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V1.1

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门极驱动下拉电阻R14、R15、R21、R22、R29、R30、R38、R39、R44、R45、R51、R52、R59、R60、R68、R69、R75、R76、R77、R85、R86、R87、R102、R103、R104、R112、R113、

单向有刷驱动功率端子J9、J10"KF2EDGR-5.08-4P", J11"KF2EDGR-3.81-4P"变更为J9"KF2EDGRM-3.81-4P", J10、J11合并为J10"KF2EDGRM-3.81-8P"

CAN通讯终端电阻R165、R166属性设置为"NO USED",终端电阻外置

R114、R131、R132、R145、R146、R149、R150由"10k/0603"变更为"100k/0603"

无刷驱动电流采样电阻R88、R115由"4mΩ/1206/1W/1%"变更为"2mΩ/2512/3W/1%"

单向有刷驱动电流检测电阻R135、R136由"5mΩ/1206/1W/1%"变更为"3mΩ/2512/3W/1%"

无刷驱动功率端子J6、J8由"KF2EDGR-3.81-3P"变更为"KF2EDGRM-5.08-3P"

单向有刷驱动保险FS1、FS2、FS3、FS4由"8A/24V"变更为"4mΩ/2512/3W/1%"

电源AGND前移至15V BUCK电路输入, 删掉15V BUCK电路输入电阻R174"100R/2512"

为了与其它单板霍尔信号顺序兼容,变更无刷霍尔信号端子J5、J7信号顺序

24V输入端子J17由"KF2EDGSR-7.62-2P"变更为"XT60PW-F"

LDO电源IC由SGM"SGM2013-3.3"改为3PEAK"TPL740F33-89TR"

风机、边刷信号端子J12、J13增加24V/GND

单向有刷驱动、H桥有刷驱动增加过流保护电路

12

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18

为了增加LED亮度,将限流电阻R1、R3、R4、R5由"1k/0603"变更为"200R/0805"

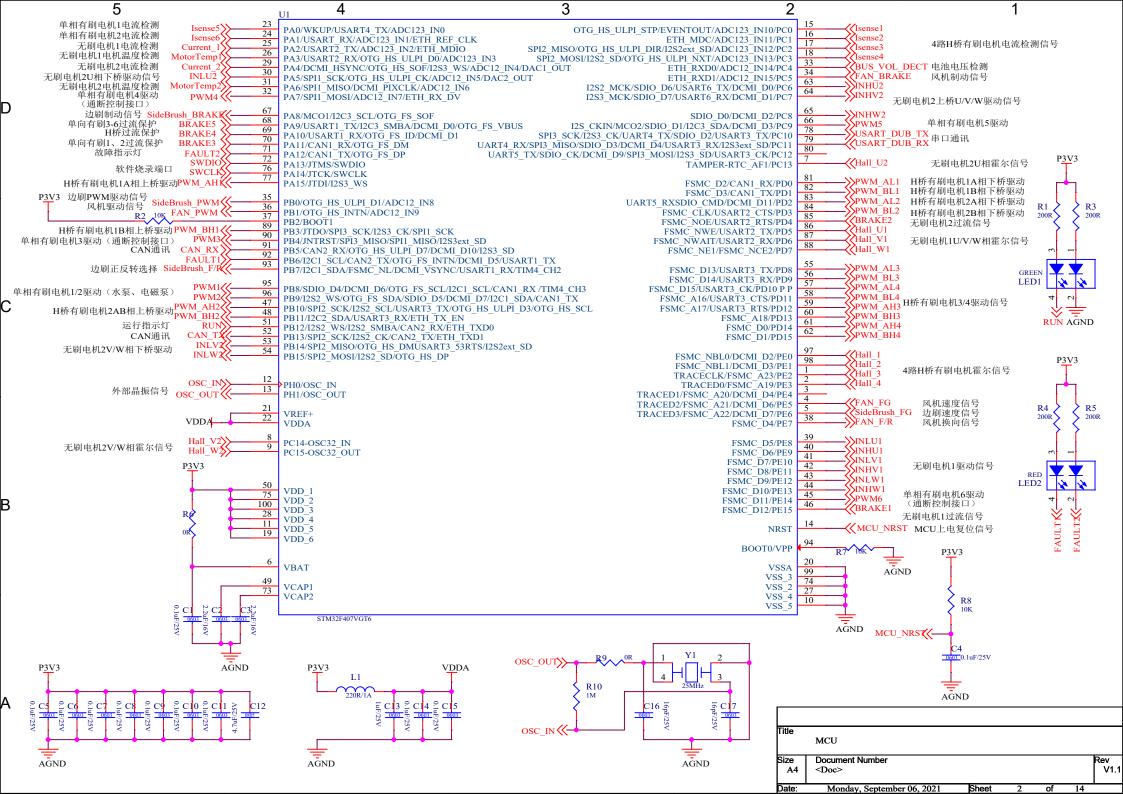
15V、5VBUCK电源输出电感L3、L4"22uH/0.52A"(SWPA3015S220MT)变更为"22uH/1.1A"(SWPA5020S220MT)

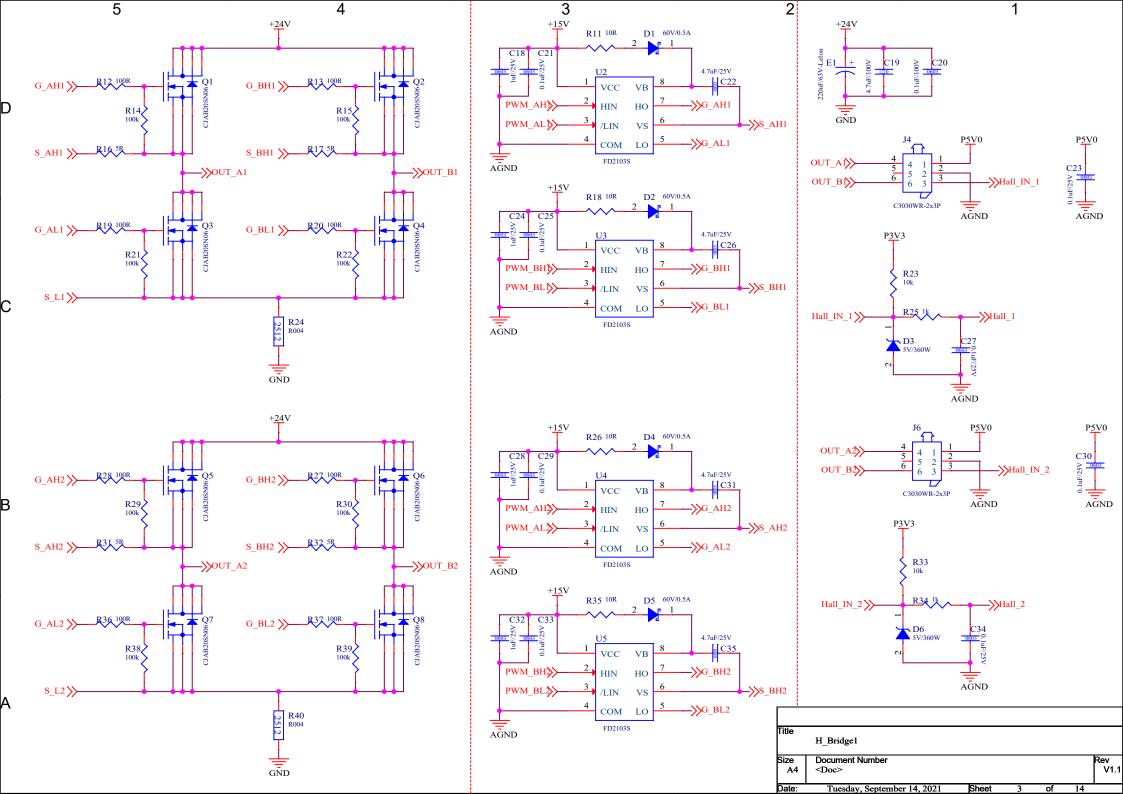
H桥有刷驱动电流采样电阻R24、R40、R55、R70由"10mΩ/1206/1W/1%"变更为"4mΩ/2512/3W/1%"

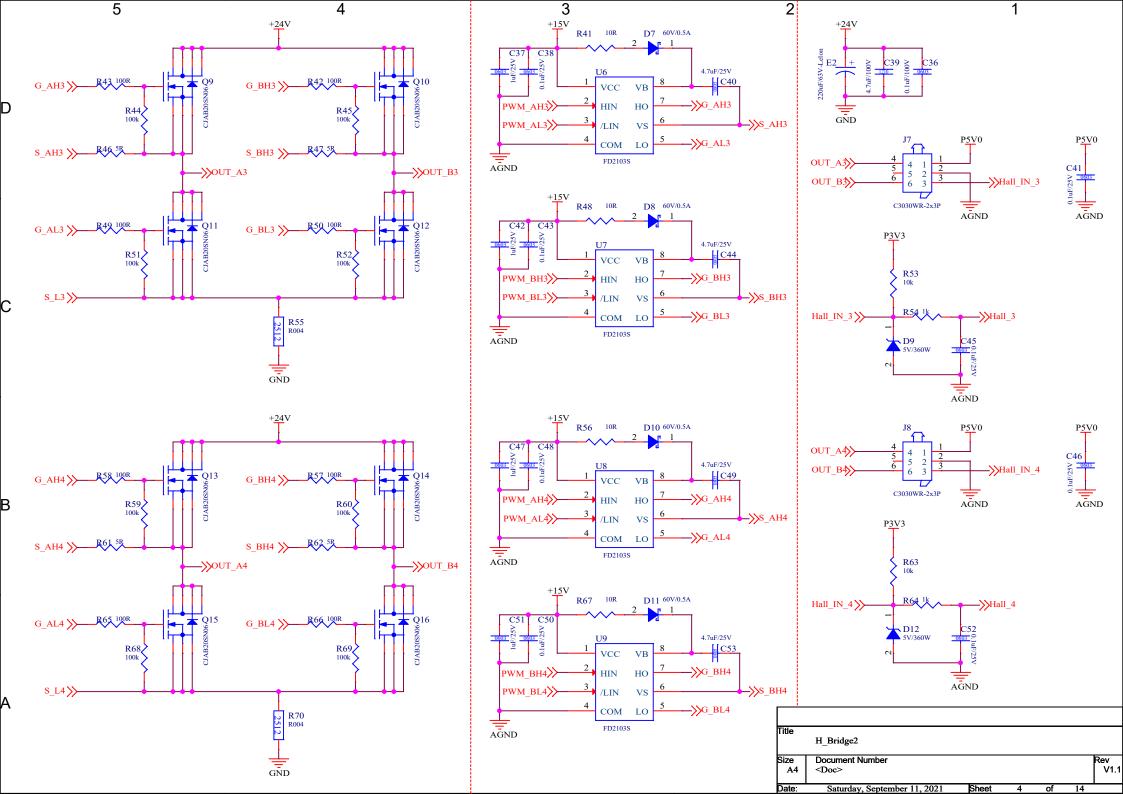
无刷电机霍尔反馈信号滤波电容C67、C68、C69、C83、C84、C85由"10nF/25V/0603"变更为"0.1uF/25V/0603"

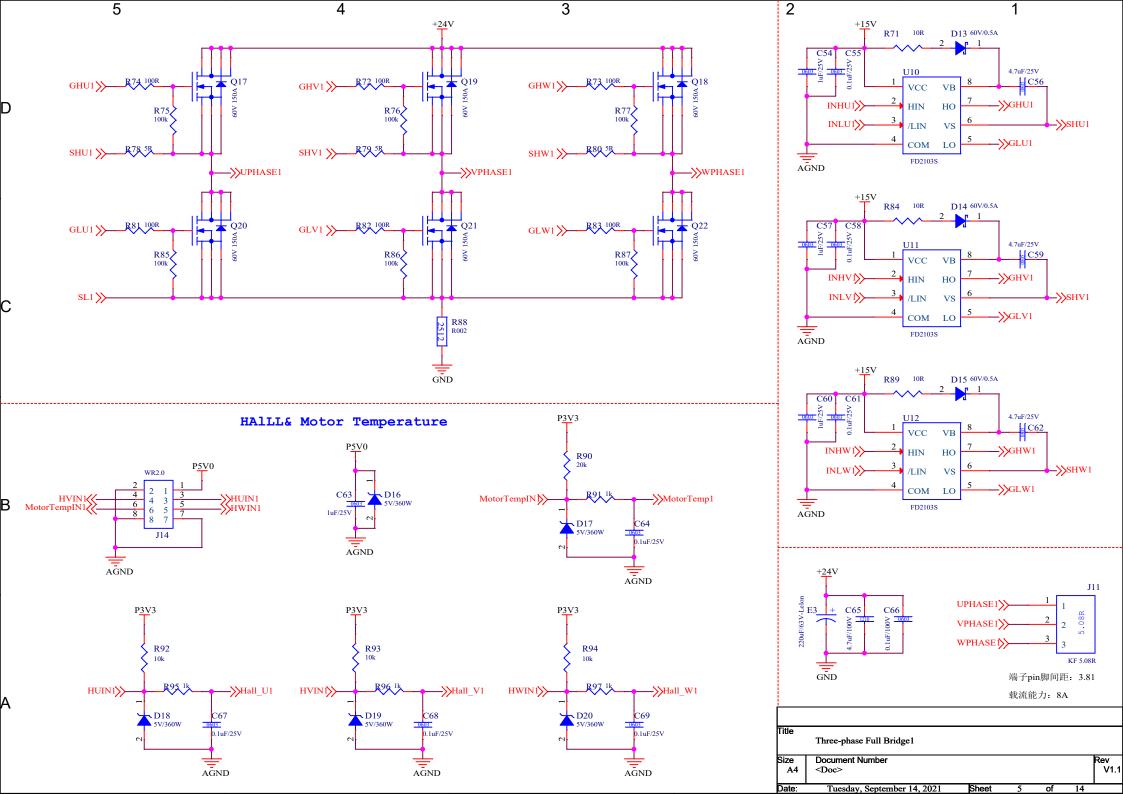
输入滤波电解电容E1、E2、E3、E4、E5、E6"100uF/63V", 变更为E1、E2、E3、E4、E5"220uF/63V", 删掉E6

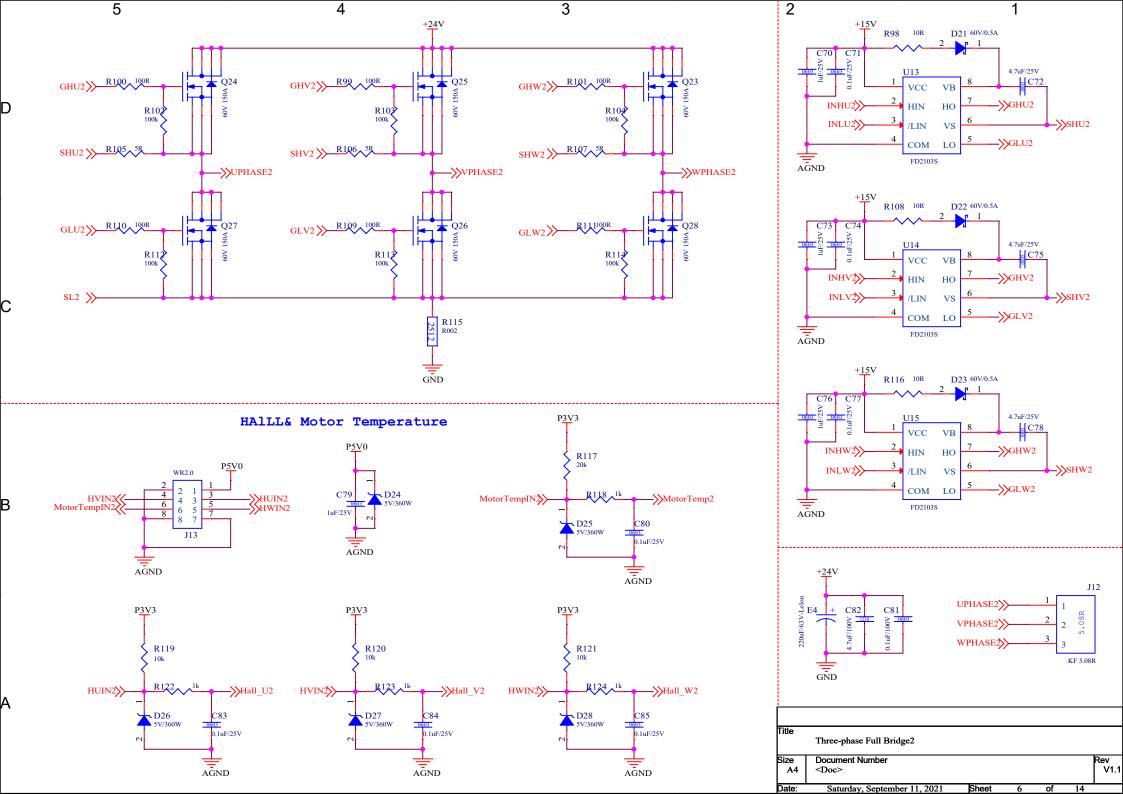
风机PWM信号FAN PWM与单向有刷6驱动信号PWM6互换网络;边刷PWM信号SideBrush PWM与单向有刷5驱动信号PWM5互换网络

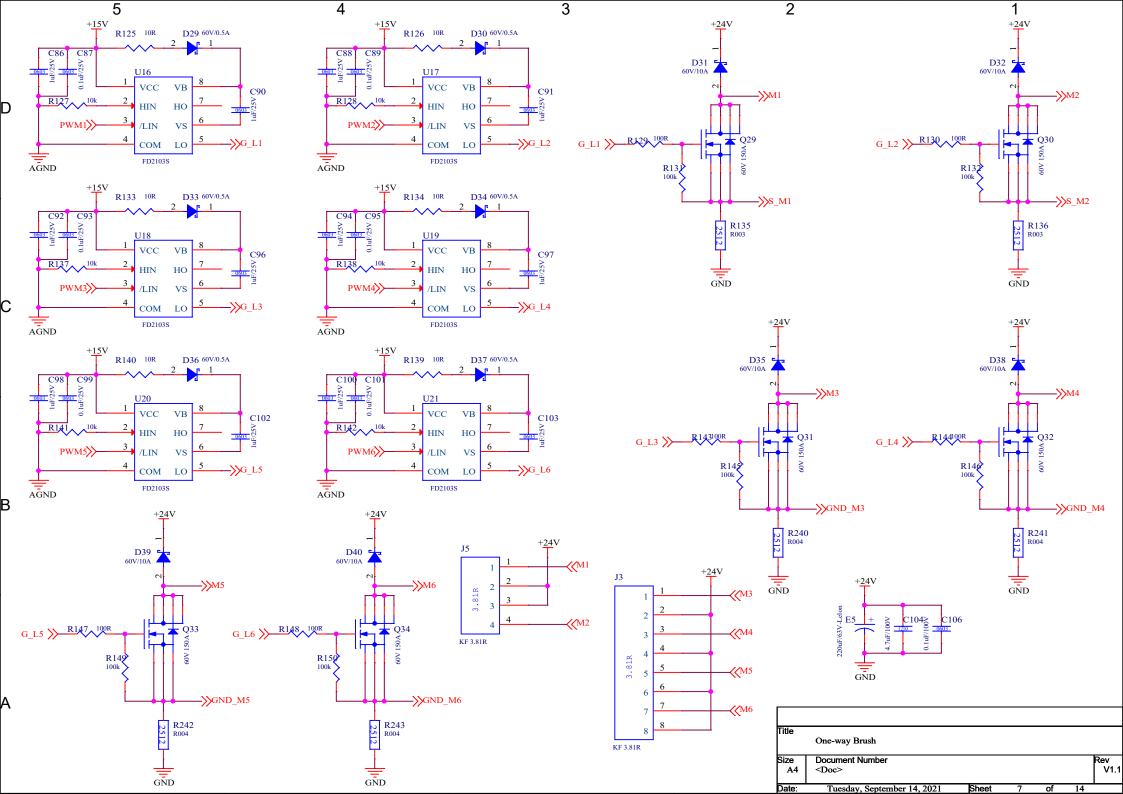


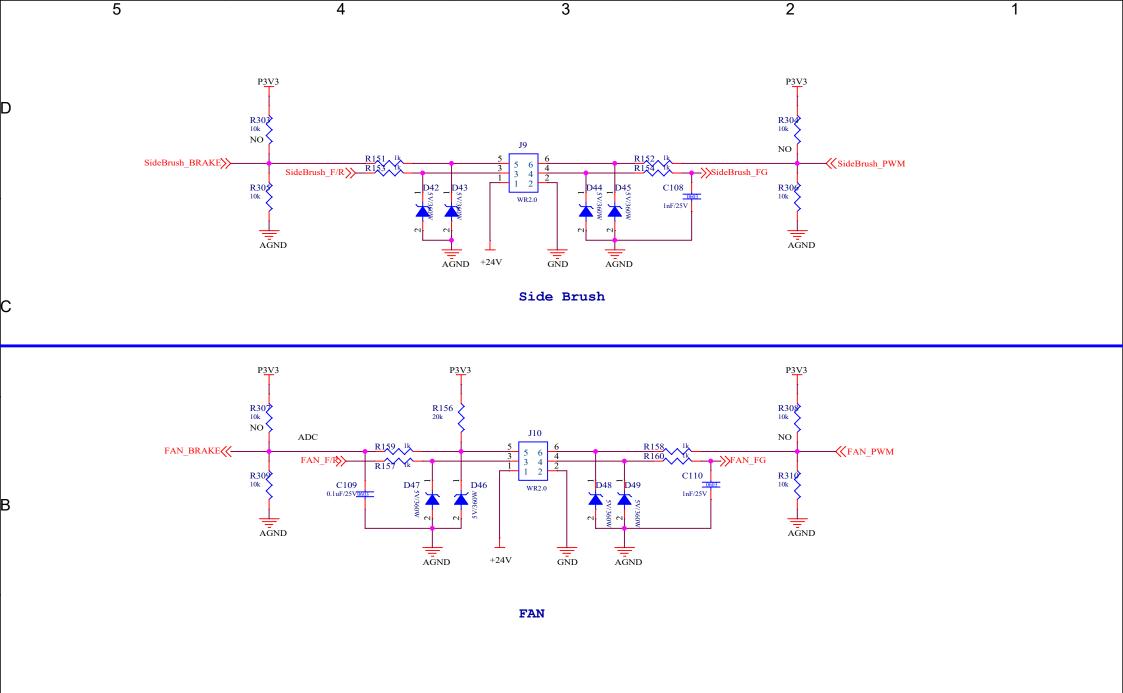












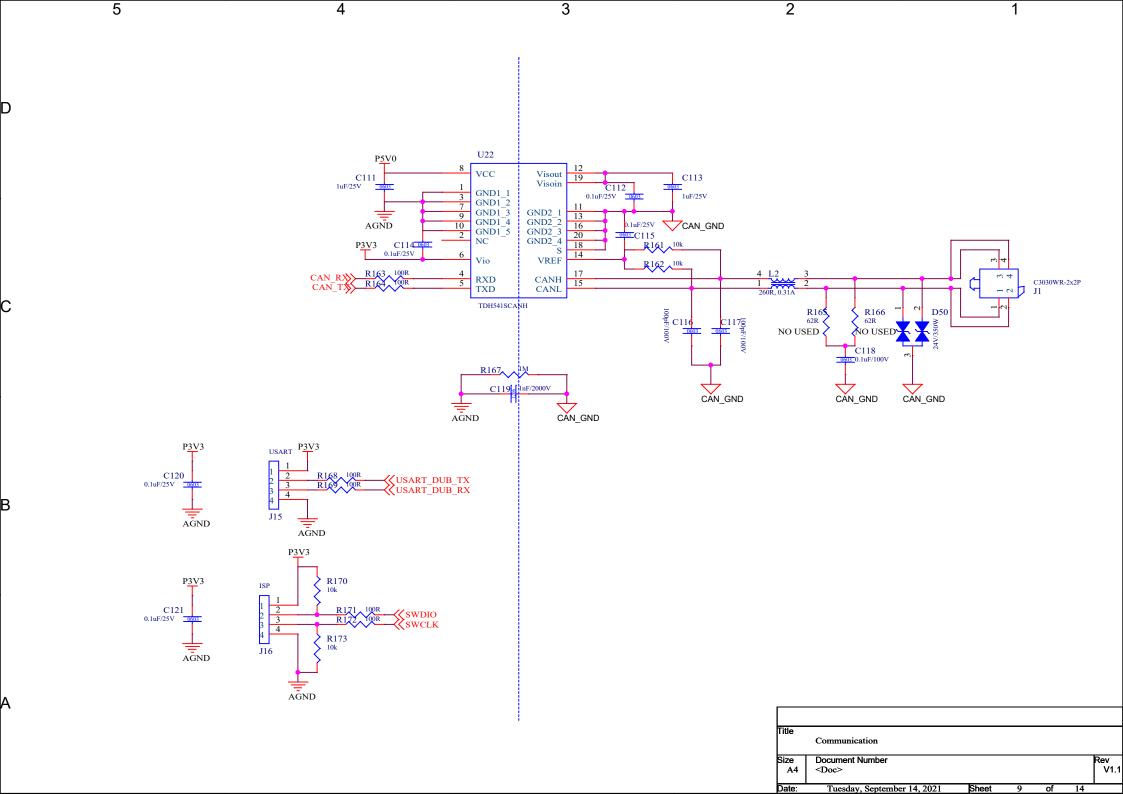
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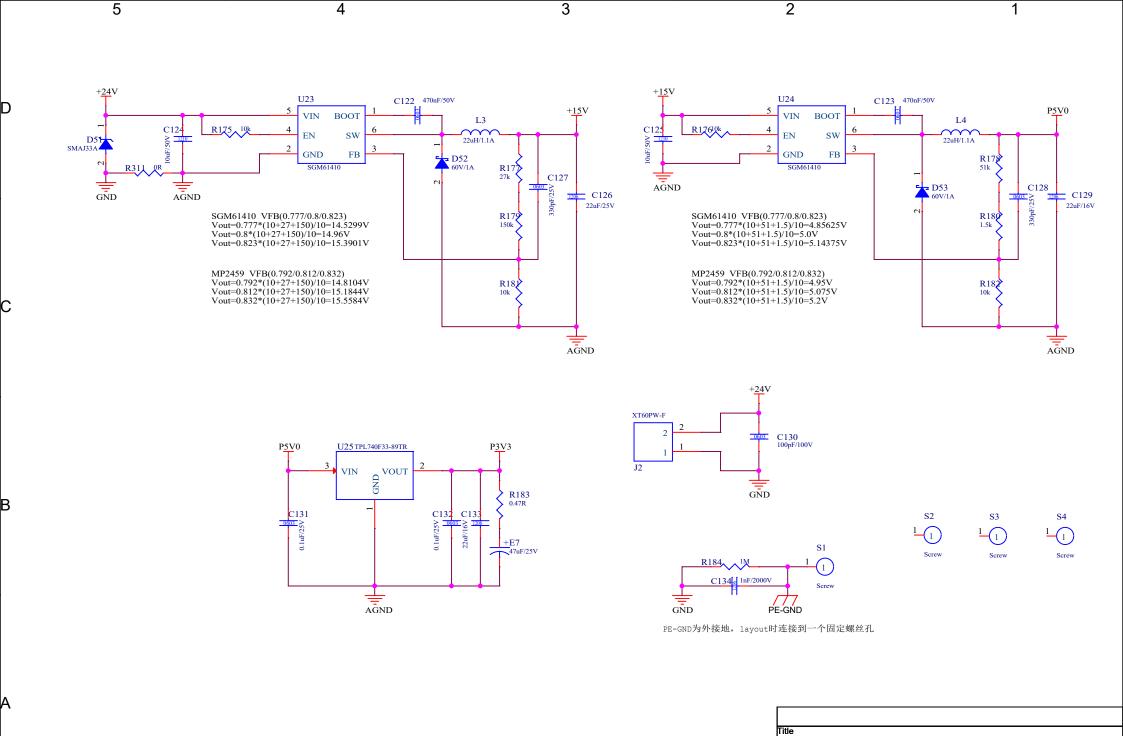
Size A4 FAN&SideBrush

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Size

A4 Date: Document Number

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