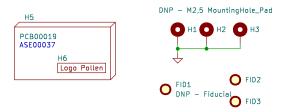
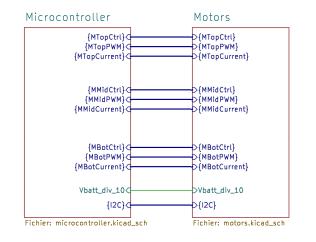
Release	Date	Designer	Check	Comments
A1	06/01/2023	EB	SN	Initial drawing
B1	22/03/2023	ЕВ	SN	[added] Link Vbus and 5V with a OR (DNP) [changed] Boot switch -> press-button [changed] OR configuration points on SimpleFOC operation (EXTI) [changed] Test points got drilled (0,4 mm)
				<ul> <li>[ not fixed] freezing bug à l'init. UART ? EXTI ?</li> <li>[ ???] changer connecteur flex 10 cts pour un sliding</li> <li>[ ???] changer connecteur flex 40 cts pour un sliding</li> <li>[ later] UART connector -&gt; Dynamixel (https://emanual.robotis.com/docs/en/dxl/mx/mx-28/#connector-information)</li> </ul>

Houston board is basically a STM32G4 microcontroller that focuses on driving 3 BLDC motors. It gets 3 Hall effects or encoders on motors and absolute positions behind reduction through SPI encoders.





```
EXTI use:
   0: botHallC PC0_15 (PE4_3 on rev. A1)
   1
   2: botHallA PE2
    3: midMotnFlt PC3_18
    4: midHallB PD4_86
   5:
                PE6_5 (PE3_2 on rev. A1)
   6: botHallB
   7: midHallC
                 PD7
   8: topHallA
                PA8
- 9: topHallB
                PA9
                PA10
- 10: topHallC
- 11: topMotnFlt PD11
- 12: botMotnFlt PE12
- 13
- 14
- 15: midHallA
                 PA15
```



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Size: A4	Date: 2023-03-22	Rev: B1
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