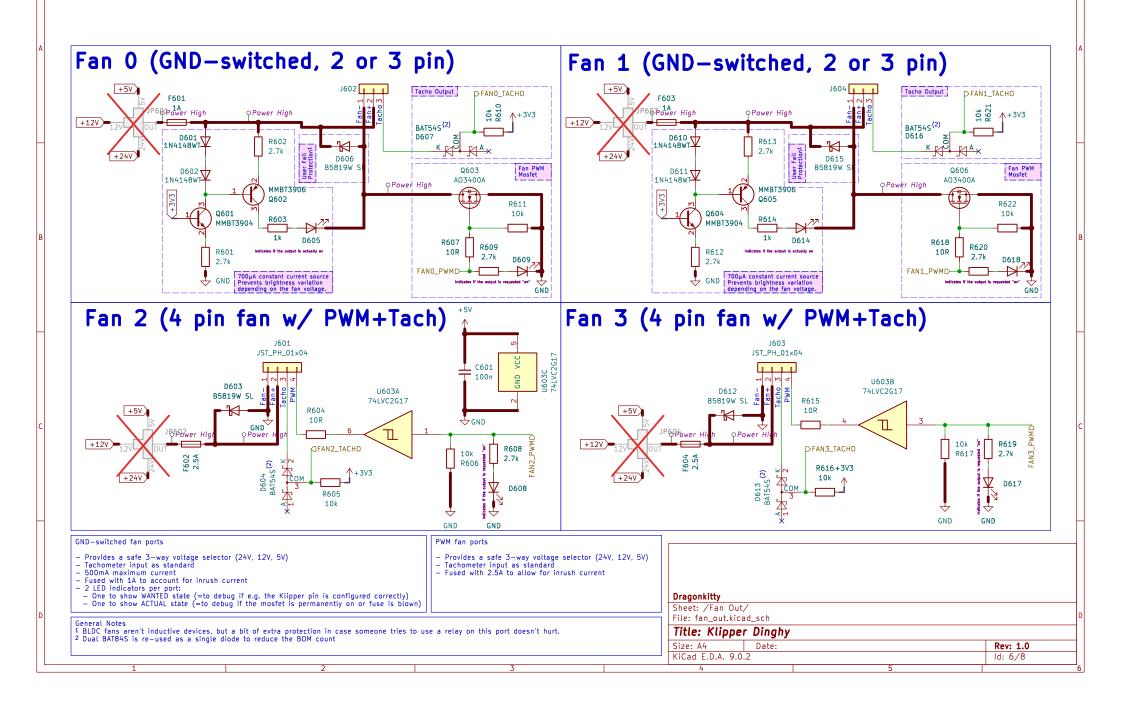
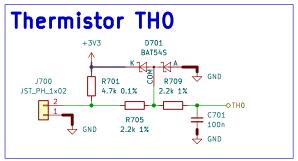
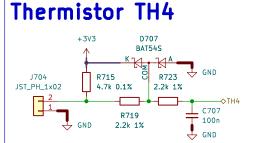


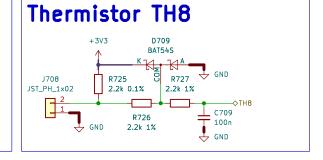
Dragonkitty			
Sheet: /PSU/ File: PSU.kicad_	sch		D
Title: Klippe	r Dinghy		
Size: A4 KiCad E.D.A. 9.0	Date:	Rev: 1.0	
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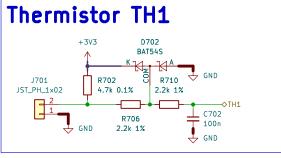
RGB Port 0 RGB Port 1 +5V +5٧ +5٧ U505A U505B 74LVC2G17 74LVC2G17 R501 R503 D503 100R 100R SK6812-MINI-E JST_PH_01×03 J500 JST_PH_01×03 J501 C501 100n GND RGB Port 2 RGB Port 3 +5V +5٧ +5٧ U501B 74LVC2G17 U501A R504 D504 74LVC2G17 100R SK6812-MINI-E R502 JST_PH_01×03 J503 100R JST_PH_01×03 J502 C502 GND Dragonkitty Sheet: /RGB/ File: Neopixel.kicad_sch Title: Klipper Dinghy Size: A4 Date: Rev: 1.0 KiCad E.D.A. 9.0.2 ld: 5/8

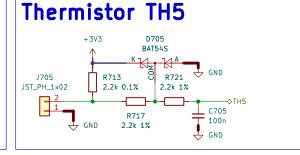












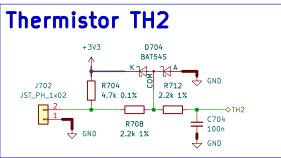
The BAT54S diode in conjunction with the 2 resistors are used for overload

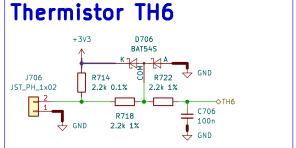
The input resistors are specified as 1206 to allow for enough power

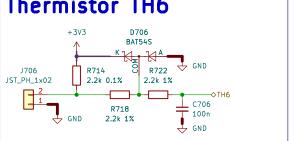
dissipation in case of an overload.

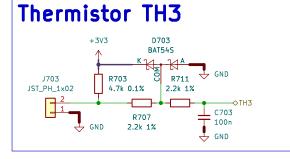
Previously tested was BAV99, however, it pulls the 3.3V to a bit over 4V

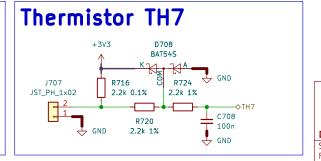
via the STM32's input protection pins. Using a BAT54S only results in 3.6V, which is still within limits of VADC



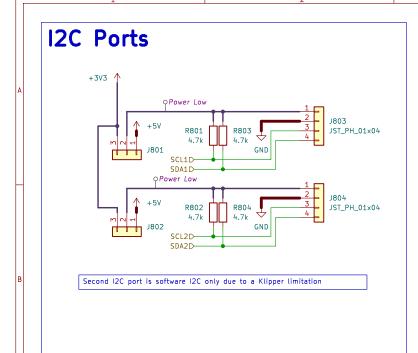


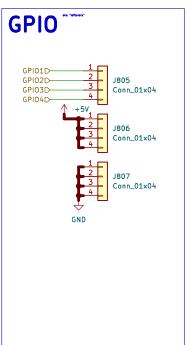






Dragonkitty				
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Dragonkitty					
Sheet: /I2C and GPIO/					
File: I2C_GPIO.kicad_sch					
Title: Klipper Dinghy					
Size: A4	Date:			Rev:	
KiCad E.D.A. 9.0.2		ld: 8/8			