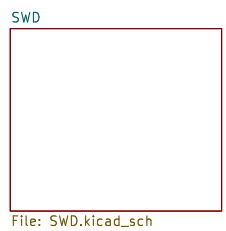
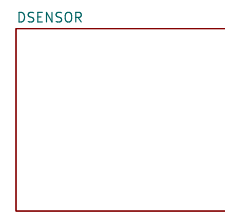


NewHat3b – HeaterBoardb Connections

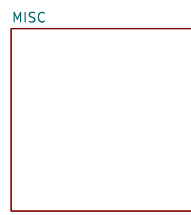
| Pin | GPIO | Net/Function | Pin | GPIO | Net/Function |
|-----|----------|---------------|-----|----------|---------------|
| 1 | +3V3 | N/C | 2 | +5V | N/C |
| 3 | GPIO2 | NEOPIXELO | 4 | +5V | N/C |
| 5 | GPIO3 | NEOPIXEL1 | 6 | GND | N/C |
| 7 | GPIO4 | BOOT0 | 8 | UART0_TX | N/C |
| 9 | GND | N/C | 10 | UART0_RX | N/C |
| 11 | GPIO17 | RESET | 12 | GPIO_18 | SSRCOMPLOBUF |
| 13 | GPIO27 | HTR0COMPLOBUF | 14 | GND | N/C |
| 15 | GPIO22 | FAN0COMPLOBUF | 16 | GPIO23 | HTR0COMPLOBUF |
| 17 | +3V3 | N/C | 18 | GPIO24 | FAN0COMPLOBUF |
| 19 | GPIO10 | FAN1COMPLOBUF | 20 | GND | N/C |
| 21 | GPIO9 | DEMUX_C | 22 | GPIO25 | FAN2COMPLOBUF |
| 23 | GPIO11 | DEMUX_B | 24 | GPIO8 | HTR1COMPLOBUF |
| 25 | GND | N/C | 26 | GPIO7 | DEMUX_A |
| 27 | Reserved | N/C | 28 | Reserved | N/C |
| 29 | GPIO5 | HTR1COMPLOBUF | 30 | GND | N/C |
| 31 | GPIO6 | FAN1COMPLOBUF | 32 | GPIO12 | SSRCOMPLOBUF |
| 33 | GPIO13 | FAN2COMPLOBUF | 34 | GND | N/C |
| 35 | GPIO19 | BLPROBE | 36 | GPIO16 | FAN3COMPLOBUF |
| 37 | GPIO26 | ADXLMSIBUF | 38 | GPIO20 | BLSERVOBUF |
| 39 | GND | N/C | 40 | GPIO21 | FAN3COMPLOBUF |



File: SWD.kicad_sch



File: DSENSOR.kicad_sch



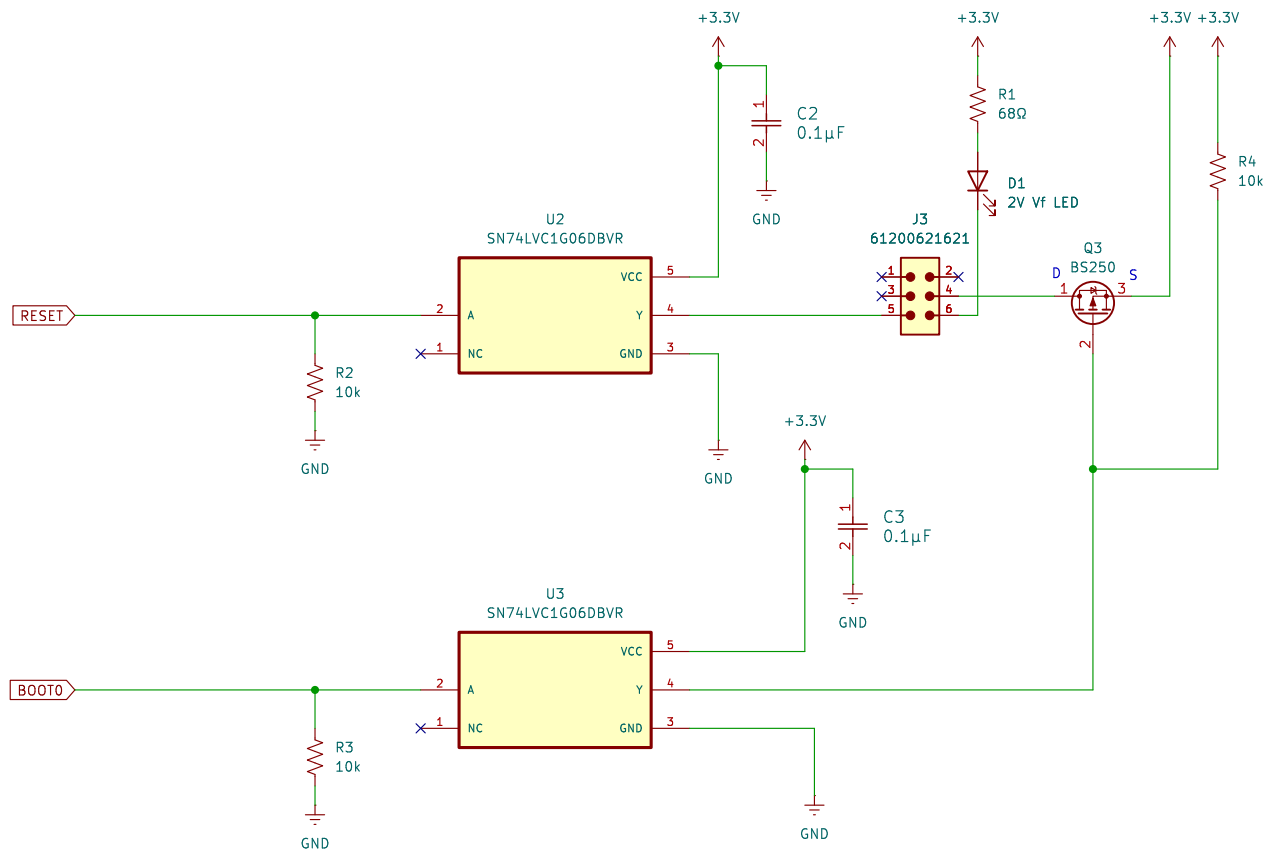
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myke predko
1.6mm Thick/1oz. Cu
2 Sided PCB
3DApothecary.xyz

Sheet: /
File: NewHat3b.kicad_sch

Title: NewHat3b

| | | |
|--------------------|-------|---------|
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. 9.0.6 | | Id: 1/4 |



J3 Pinout:
 1 - +3V3
 2 - SWDIO (N/C for NewHat)
 3 - GND
 4 - BOOT0/SWCLK
 5 - RESET (Negative Active)
 6 - DFUACTIVE LED

myke predko
 1.6mm Thick/1oz. Cu
 2 Sided PCB
3DApothecary.xyz

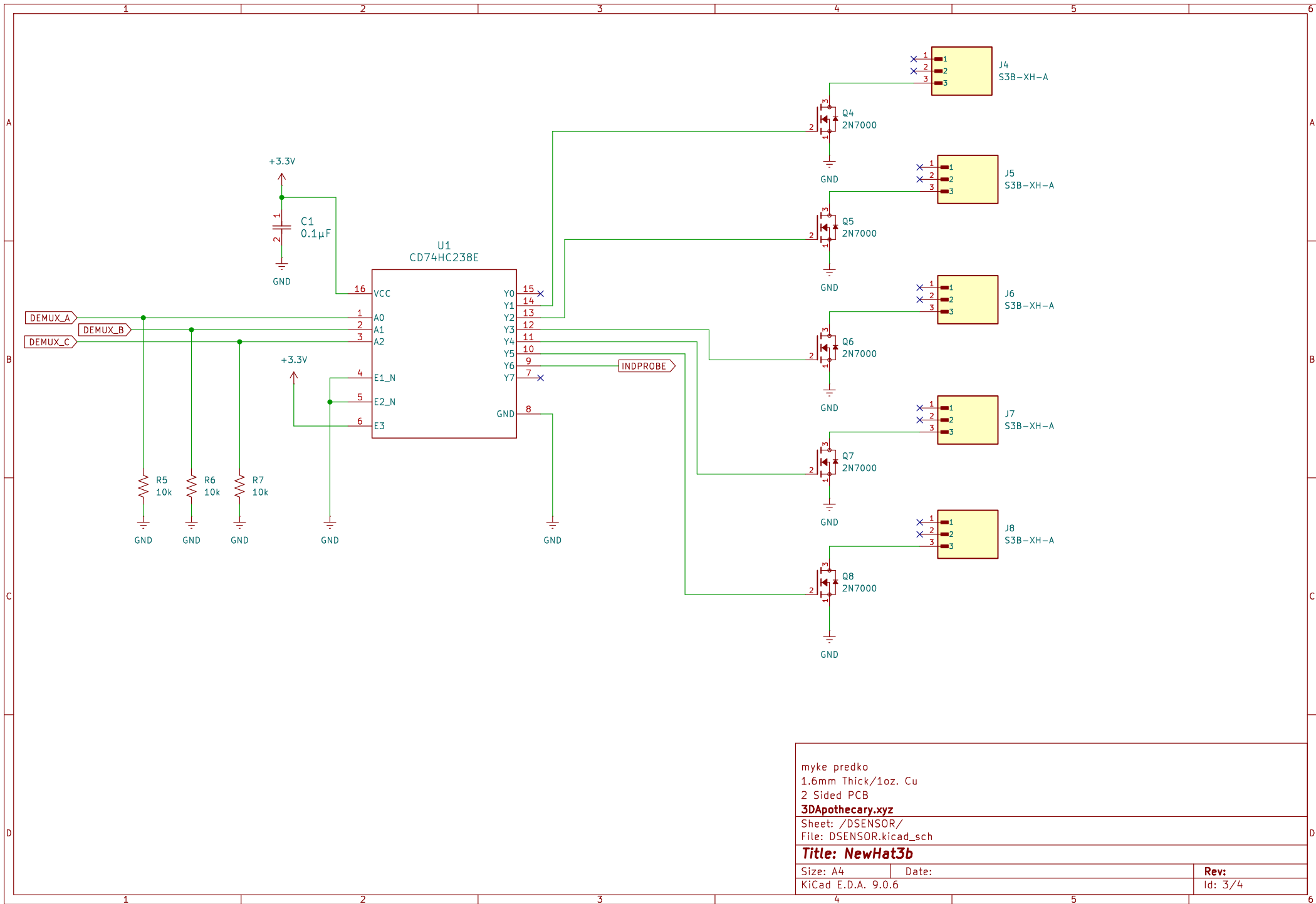
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Title: NewHat3b

Size: A4
 KiCad E.D.A. 9.0.6

Date:

Rev:
 Id: 2/4



| | | |
|--|-------|---------|
| myke predko 1.6mm Thick/1oz. Cu 2 Sided PCB 3DApothecary.xyz | | |
| Sheet: /DSENSOR/ File: DSENSOR.kicad_sch | | |
| Title: NewHat3b | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. 9.0.6 | | Id: 3/4 |

