HUVUD .61 PIN MAPPING	
Extruder:	
Step	PB3
Dir	PB4
Enable	PB5
Uart TX	PA9
Uart RX	PA10
Thermistors:	
Thermistor 1	PA0
Thermistor 2	PA1
Heater:	
PA6	
Fans	
Fan 0	PA8
Fan 1	PA7
Endstops/Bltouch	
Endstop 1	PB10
Endstop 2	PB11
Endstop 3	PB12
Servo (SWCLK)	PA14

V-IN   O O   GROUND   Power In
CAN-H   O O   CAN-L   Canbus

SW CLK – PA14 O O SWDIO
GND   O O RESET   Debug Connector
3.3V   O O BOOT1

O 5V
O GROUND
O ENDSTOP 3 – PB12   Endstop 1
O ENDSTOP 2 – PB11   Endstop 2
O ENDSTOP 1 – PB10   Endstop 3
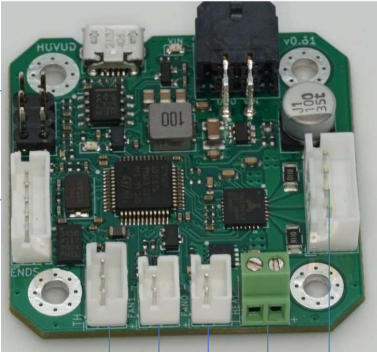
Hot End Heater
(PA6)

Fan 0
O – GND
O – V-IN
(PA8)

Fan 1
O – GND
O – V-IN
(PA7)

Thermistor 1
Thermistor 2

O THERMISTOR 2 – PA1
O THERMISTOR 1 – PA0
O GROUND

Extruder

Klipper Example Config

```
[extruder]
step_pin: head0:PB3
dir_pin: head0:PB4
enable_pin: !head0:PB5
heater_pin: head0:PA6  # "HEAT"
rotation_distance:4.6715
microsteps: 16
nozzle_diameter: 0.800
filament_diameter: 1.750
sensor_type: Generic 3950
sensor_pin: head0:PA0 # "THERMISTOR"
pullup_resistor: 2200 # The board uses a 2.2k ohm pullup to work with a PT1000
smooth_time: .1
min_temp: 0
max_temp: 450
max_extrude_only_distance: 151.0
pressure_advance : .034
pressure_advance_smooth_time: .02
[tmc2209 extruder]
uart_pin: head0:PA10
tx_pin: head0:PA9
interpolate: False
run_current: 0.47
sense_resistor: 0.110
stealthchop_threshold: 0
driver_HEND: 3
driver_HSTRT: 2
driver_TOFF: 3
```

```
[bltouch]
sensor_pin:^head0:PB12
control_pin:head0:PA14
stow_on_each_sample: False
probe_with_touch_mode: False
set_output_mode:5V
x_offset:-25
y_offset:3
speed: 8
lift_speed: 8
samples: 1
samples_result: median
sample_retract_dist: 5.0
samples_tolerance: 0.01
samples_tolerance_retries: 3
```