; Configuration file for Duet WiFi (firmware version 2.05)

; executed by the firmware on start-up

;

; generated by RepRapFirmware Configuration Tool v3.2.3 on Sat May 01 2021 17:31:12 GMT-0700 (Pacific Daylight Time)

; General preferences

G90 ; send absolute coordinates...

M83 ; ...but relative extruder moves

M550 P"Ender 5 Upgrade #2" ; set printer name

M918 P1 E4 F2000000 ; configure direct-connect display

; Network

M552 S1 ; enable network

M586 P0 S1 ; enable HTTP

M586 P1 S0 ; disable FTP

M586 P2 S0 ; disable Telnet

; Drives

M569 P0 S0 ; physical drive 0 goes backwards

M569 P1 S0 ; physical drive 1 goes backwards

M569 P2 S1 ; physical drive 2 goes forwards

M569 P3 S0 ; physical drive 3 goes backwards

M584 X0 Y1 Z2 E3 ; set drive mapping

M350 X16 Y16 Z16 E16 I1 ; configure microstepping with interpolation

M92 X80.00 Y80.00 Z400.00 E420.00 ; set steps per mm

M566 X900.00 Y900.00 Z24.00 E300.00 ; set maximum instantaneous speed changes (mm/min)

M203 X6000.00 Y6000.00 Z180.00 E1200.00 ; set maximum speeds (mm/min)

M201 X500.00 Y500.00 Z100.00 E5000.00 ; set accelerations (mm/s^2)

M906 X800 Y800 Z800 E800 I50 ; set motor currents (mA) and motor idle factor in per cent

M84 S30 ; Set idle timeout

; Axis Limits

M208 X0 Y0 Z0 S1 ; set axis minima

M208 X235 Y235 Z310 S0 ; set axis maxima

; Endstops

M574 Z0 S0 ; set active low and disabled endstops

M574 X1 Y1 S1 ; set active high endstops

; Z-Probe

M558 P0 H5 F120 T6000 ; disable Z probe but set dive height, probe speed and travel speed

M557 X15:215 Y15:195 S20 ; define mesh grid

; Heaters

M305 P0 T100000 B4092 R4700 ; set thermistor + ADC parameters for heater 0

M143 H0 S150 ; set temperature limit for heater 0 to 150C

M305 P1 X150 ; configure thermocouple for heater 1

M143 H1 S350 ; set temperature limit for heater 1 to 350C

; Fans

M106 P0 S0 I0 F500 H-1 ; set fan 0 value, PWM signal inversion and frequency. Thermostatic control is turned off

M106 P1 S1 I0 F500 H1 T45 ; set fan 1 value, PWM signal inversion and frequency. Thermostatic control is turned on

M106 P2 S1 I0 F500 H1:0 T45 ; set fan 2 value, PWM signal inversion and frequency. Thermostatic control is turned on

; Tools

M563 P0 D0 H1 F0 ; define tool 0

G10 P0 X0 Y0 Z0 ; set tool 0 axis offsets

G10 P0 R0 S0 ; set initial tool 0 active and standby temperatures to 0C

; Custom settings are not defined

; Miscellaneous

M575 P1 S1 B57600 ; enable support for PanelDue

M501 ; load saved parameters from non-volatile memory

M911 S10 R11 P"M913 X0 Y0 G91 M83 G1 Z3 E-5 F1000" ; set voltage thresholds and actions to run on power loss