

# Geeetech GT2560

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## Introduction

The [Geeetech GT2560](#) is an [Ultimaker](#) derived board. It is a single-board design, which has an integrated ATmega2560 16Mhz processor. The stepper drivers are socketed, and the GT2560 can use any standard [StepStick](#) compliant stepper driver.

## Jumpers

JP2 on the GT2560 is used to select between 12v (JP2 OPEN) and 24v (JP2 CLOSED) operation.

## Pinout

Arduino Pinout of the Geeetech GT2560

Pin	Connector	Label	Comment
n/a	DC_IN	n/a	12V-24V/15A (see JP2)
A2	HEATER1	HEATER_0	Extruder 0 PWM
A8	TEMP1	TEMP_0	Extruder 0 Thermistor
A3	HEATER2	HEATER_2	Extruder 1 PWM
A9	TEMP2	TEMP_2	Extruder 1 Thermistor
A4	HOT_BED	HEATER_1	Bed heater PWM
A10	TEMP3	TEMP_1	Bed heater Thermistor
27	X	X_ENABLE	X Enable
25	X	X_STEP	X Step
23	X	X_DIR	X Direction
22	X_MIN	ENDSTOP_X_MIN	X Min Endstop
24	X_MAX	ENDSTOP_X_MAX	X Max Endstop
29	Y	Y_ENABLE	Y Enable
31	Y	Y_STEP	Y Step
33	Y	Y_DIR	Y Direction
26	Y_MIN	ENDSTOP_Y_MIN	Y Min Endstop
28	Y_MAX	ENDSTOP_Y_MAX	Y Max Endstop
35	Z	Z_ENABLE	Z Enable
37	Z	Z_STEP	Z Step
39	Z	Z_DIR	Z Direction
30	Z_MIN	ENDSTOP_Z_MIN	Z Min Endstop
32	Z_MAX	ENDSTOP_Z_MAX	Z Max Endstop
41	E	E0_ENABLE	E0 Enable
43	E	E0_STEP	E0 Step
45	E	E0_DIR	E0 Direction
48	A	E1_ENABLE	E1 Enable
49	A	E1_STEP	E1 Step
47	A	E1_DIR	E1 Direction
18	LCD	BEEPER	LCD beeper
20	LCD	LCD_RS	LCD RS pin
17	LCD	LCD_RW	LCD RW pin
16	LCD	LCD_D4	LCD D4
21	LCD	LCD_D5	LCD D5
5	LCD	LCD_D6	LCD D6
6	LCD	LCD_D7	LCD D7
42	LCD	ENCODER_A	Knob encoder A signal
40	LCD	ENCODER_B	Knob encoder B signal
19	LCD	ENCODER_CLICK	Knob pushbutton
13	LED	LED	System LED
A7	PWM	FAN	PWM controlled fan
12		PS_ON	Motor power enable
52	SD	SD_CLOCK	Clock for SD card
50	SD	SD_MISO	Data from SD to Arduino
51	SD	SD_MOSI	Data to SD from Arduino
53	SD	SD_SELECT	SD card enable
38	SD	SD_DETECT	SD card detect

## Where to buy

- <http://www.geeetech.com/gt2560-3d-printer-controller-board-p-915.html>