# AZTEEG X3 3DP
# 3D PRINTER CONTROLLER
# WIRING DIAGRAM

## BASIC SETTINGS

SELECT ARDUINO MEGA 2560 on Arduino IDE
SELECT MOTHERBOARD 33 or 34 on Marlin, Repetier or Sprinter

## EXPANSION

EXP1: D25 D29 / D23 D27 / D17 D16
EXP2: A12 A11 / A5 A4 / D31 D32
EXP3: SCL* SDA* / D22 +5V / D7 GND

J13: D42 D43 D44 D45
J11: D41 D40 D37 D35
J2: TX RX GND +5V

## STEPPER MOTORS

X-AXIS Y-AXIS Z-AXIS EXTR1 EXTR2

PARALLEL OR SERIES

GND VDD 2B 1A 2A 2B GND VMOT
DIR STEP SLEEP RST MS3 MS2 MS1 ENABLE

STEPPER DRIVER ORIENTATION

## POWER INPUT

PC POWER SUPPLY OR AC/DC SWITCHING PS 12-24VDC

+
−

HEATED BED

FAN OR 2ND HOT-END

HOT-END

0.15in #6-32 X 4

STEP SIZE SELECTOR

RESET

MISO +5V
SCK MOSI
RST GND
ICSP

ATX PWR

SD CARD PINS
(D49)CARD DETECT
(D53)CHIP SELECT

SD ACTIVITY LED

microSD (TransFlash)

Disconnect solder jumper JP12 at bottom to disable onboard SD slot and use pins for external SD reader (Viki LCD SD slot)

USB PORT MINI B

(D33)BUZZER

INPUT SEL
INT USB
PANUCATT DEVICES
J13 J11 J2
SERIAL
AZTEEG X3
END-STOPS
THERMISTORS

HOTEND2
HOTBED
HOTEND1

THERMISTORS

Max
Min
Z-STOP
Y-STOP
X-STOP
(OPTIONAL)
C(Common)
NO(Normally Open)

ENDSTOPS
Location of C and NO on switch may vary. Check markings.

LOW POWER SWITCH (PWM)
5V FAN
12V FAN
LED STRIPS

*Changed from v1.01

v1.02

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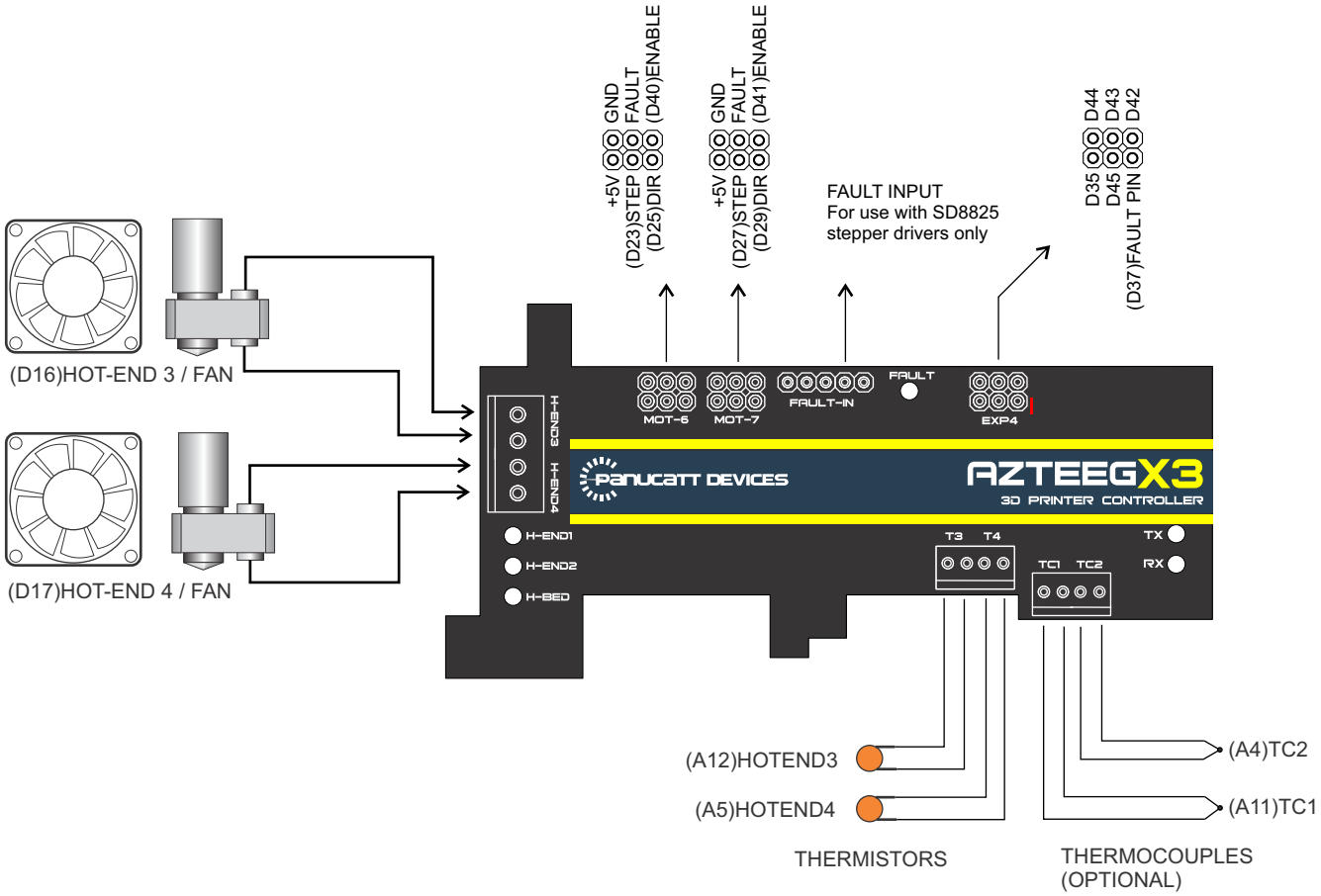


**v1.1 TOP COVER**

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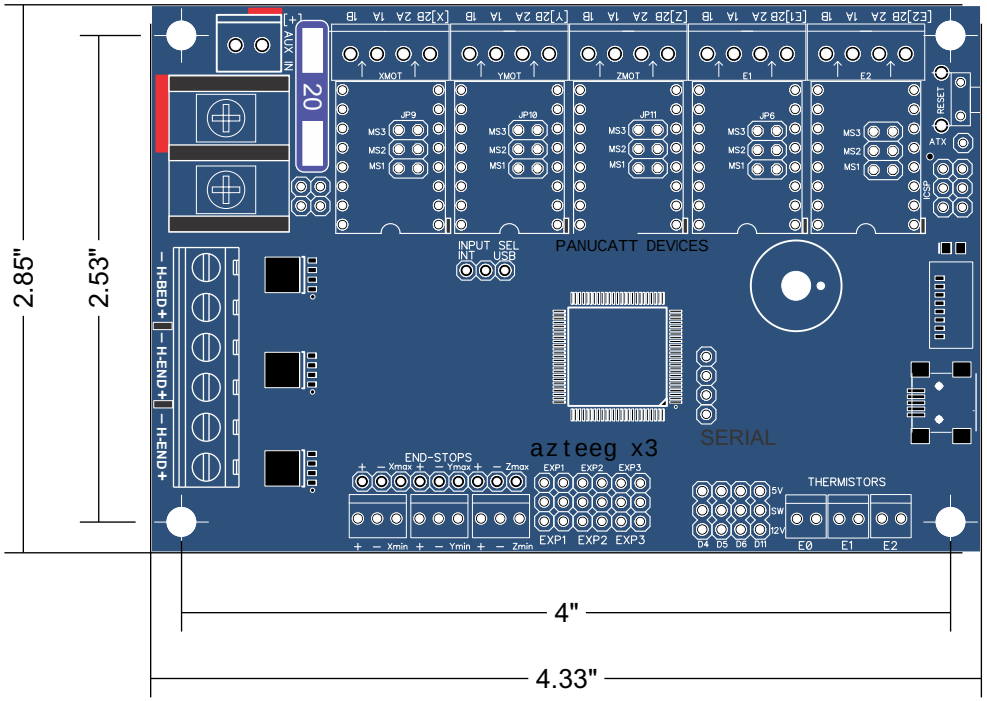


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