

The image displays two PCB layout pages for a motor control system, labeled 'X AXIS' and 'Y AXIS'. Both pages feature a TMC2660 motor driver (U602 for X, U601 for Y) with various pins connected to power, ground, and motor signals.

Power Supply and Decoupling:

- +24V:** Connected to VHS, VS, VSA, and VSB pins. Decoupled with capacitors C608 (220n), C604 (100n), C605 (10u), C606 (10u), and C634 (470u).
- +3.3VP:** Connected to VDD pins. Decoupled with capacitors C615 (100n) and C616 (470n) for X-axis, and C613 (100n) and C614 (470n) for Y-axis.
- 5VOUT:** Connected to VCC_IO pins. Decoupled with capacitors C609 (100n) and C610 (100n) for X-axis, and C609 (100n) and C611 (100n) for Y-axis.

Motor Connections:

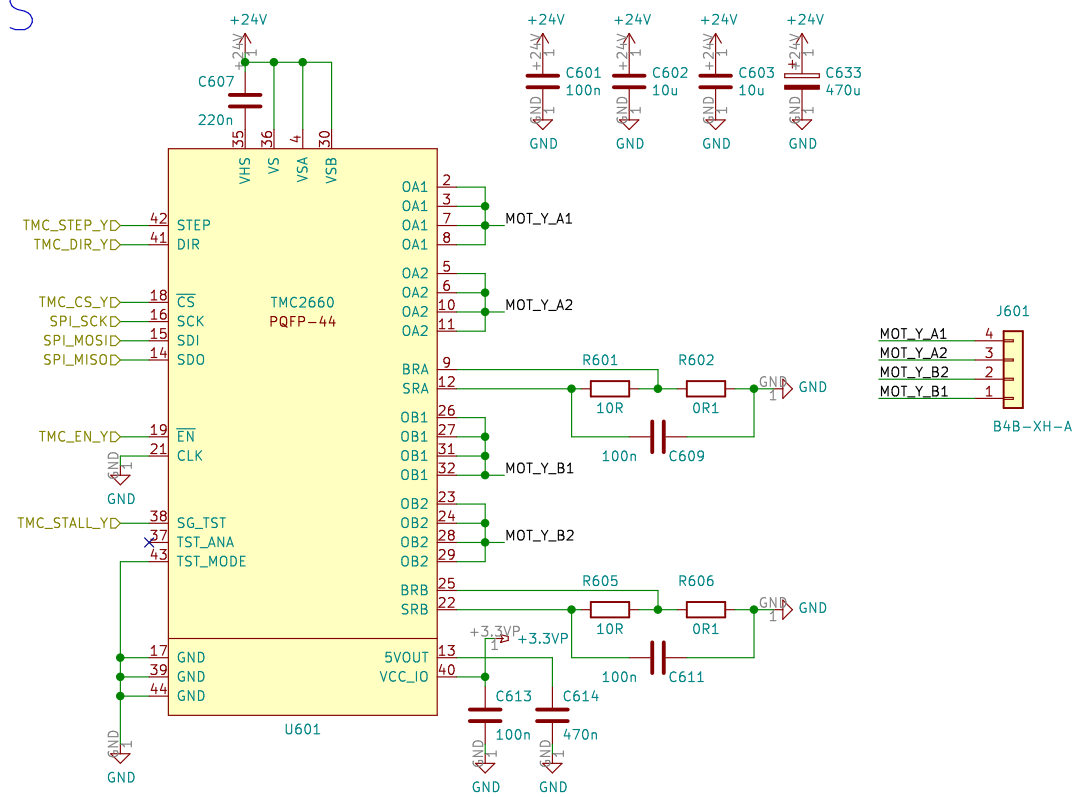
- X-axis (U602):** Motor X_A1, X_A2, X_B1, and X_B2 are connected to the driver's output pins. The motor is a B4B-XH-A.
- Y-axis (U601):** Motor Y_A1, Y_A2, Y_B1, and Y_B2 are connected to the driver's output pins. The motor is a B4B-XH-A.

Control Signals:

- STEP/DIR:** TMC_STEP_XD, TMC_DIR_XD for X-axis; TMC_STEP_YD, TMC_DIR_YD for Y-axis.
- EN/CLK:** TMC_EN_XD, TMC_EN_YD for enable; TMC_CLK, TMC_CLK for clock.
- SG_TST/TST_MODE:** TMC_STALL_XD, TMC_STALL_YD for stall detection.

Component Values:

- Resistors: R603, R604, R607, R608, R601, R602, R605, R606 (all 10R).
- Capacitors: C608 (220n), C604 (100n), C605 (10u), C606 (10u), C634 (470u), C615 (100n), C616 (470n), C609 (100n), C610 (100n), C613 (100n), C614 (470n), C611 (100n).

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