

JP-3163B

Product Description

High-performance three-axis 3 a integrated stepper motor driver board preferential price 188 yuan a set containing a parallel line, use a cd-rom (enclosed is the MACH3 software CD and instructions, three-dimensional carving code generation software, A shaft MACH3 software has set each parameter, as long as you follow the instructions properly installed MACH3 software, can directly use, also suitable for beginners learning to use) This drives the (multi-function LCD display numerical control system) is simplified and become, such as the need to bring the LCD panel CNC according to JP - 3163 - a, please click here to view

Its main functions are:

- 1: the inductive DC DC step-down module, PC power supply isolation module design again, can run with a set of power input (don't have to take power in the computer USB port, simplify the circuit, reduce the interference sources)
- 2: increase the external input signal light lotus root isolation. All adopt the light lotus root isolated input, internal voltage light lotus root isolation, can use the board can also completely with external voltage input isolation signal directly, the input voltage is 5 v, 30 v (greater than 5 v voltage need certain resistance, can choose according to the proximity switch voltage resistance using)
- 3: to increase the simulation 0 to 10 v output, combining with the spindle speed is MACH3 software control inverter.
- 4: add a set of relay selection (output can relay output two groups at the same time, control two different devices, load isolation, relay 1 for P1 pins, relays for P16 pin 2)
- 5: increase the 15-pin multi-function interface, can be a variety of signal input docking control (can be directly to handle or d macro card of signal input).
- 6: boards at the bottom of the shaft to join the whole bridge fly-wheel diode, keep the chips and durable for a long time.
- 7: to signal buffer chips, enlarge external signal and increase the accuracy of the pulse.
- 8: E at the bottom of the large aluminum heat sink to ensure full load to run 24 hours, low temperature, can need not add fan or other radiator).

The drive software has the mach2, mach3, KCAM4, etc.

Stepper motor driver using TB6560 new and original chips

Maximum output rating: + / - 3 A, 40 v, 3.5 A, low output impedance, source-side Ω 0.5, 0.4 Ω receiver, low-voltage cut-off parking, thermal protection circuit and circulation. After I design, you can set the output current is 0.5 A, 1 A, 1.5 A, 1.8 A, 2 A, 2.5 A, 3 A to adapt to more and different motor current. Three axis adopt half flow design circuit, calorific value, lower calorific value drive at the same time reduce motor to drive and motor is the longest life span.

TB6560 1 2 16 segment and 8 attenuation mode can be set up, stable operation and low noise. 8: E at the bottom of the large aluminum heat sink to ensure full load to run 24 hours, low temperature, can need not add fan or other radiator).

JP-3163B三轴驱动板接线示意图









