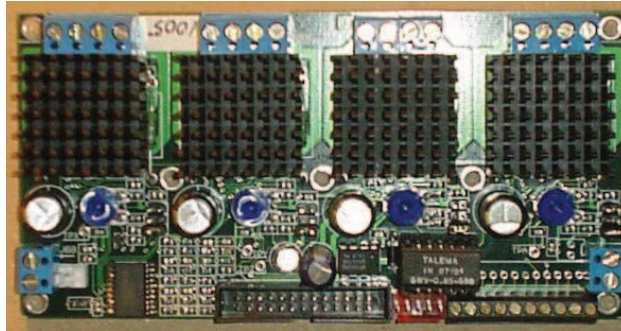


XS-3525/8S-4

Preliminary DataSheet Version 4.00



The XS-3525/8S-4 microstepping stepper motor driver is the perfect choice for CNC retrofitting of desktop and small benchtop milling machines. Connect bipolar wired stepper motors, power, and a parallel port signal source

- Small Size 4.275 X 2.87 inches.
- Drives up to 35Volts @ 2.5 A/phase
- 4 different microstepping step levels from Full-Step(FS) to 1/8 step
- Filtered & Buffered Step & Dir lines
- Built in DC-DC converter for +5V
- Break-out screw terminals for I/O

Microstepping Truth Table

axS1	axS0	Output
0	0	Full Step
0	1	Half Step
1	0	Quarter Step
1	1	Eighth Step

1 means jumper **NOT** installed

The XS-3525/8S-4 Stepper Driver is a 4 axis pulse-width-modulated (PWM) current controlled bipolar micro-stepping controller.

Each axis drive has a ± 2.5 Amp/phase @ 35Volt maximum continuous Output Rating. The drive circuitry has thermal shutdown protection and crossover-current protection. Synchronous rectification circuitry eliminates the need for external clamp diodes in most applications.

Each axis accepts Step & Direction signals, along with 2 jumper inputs to define microsteps per full step.

The board is of 4-Layer construction with Isolated Power and Logic supply planes. The drive circuitry has a heat sink attached to allow cooler operation.