



Part number:

SSP-21®



Stepper controller:

2 Phase Single axis miniaturized for laboratory and industrial applications.

Control loops:

Open loop.

Parameters control:

Position, velocity, acceleration, torque all adjustable "on the fly".

Computer Interface:

USB, RS-232 or RS-485. Analog control or Joystick.

Resolution:

Down to 0.004µm depending on the micro stepping used used.

Networkable:

Up to 8 boards can be controlled from one PC with one Power Supply

Inputs and Outputs:

Digital and analog inputs and outputs for conversions and data acquisition.

Power requirements:

Max. 24V DC at 1A.

Microstepping:

Continuous wave with user selectable micro stepping value

Software:

Terminal. LabView Drivers and DEMO software.

Recommended actuator:

SuprMike®, LDC-25, LDC-50 etc...

Dimensions:

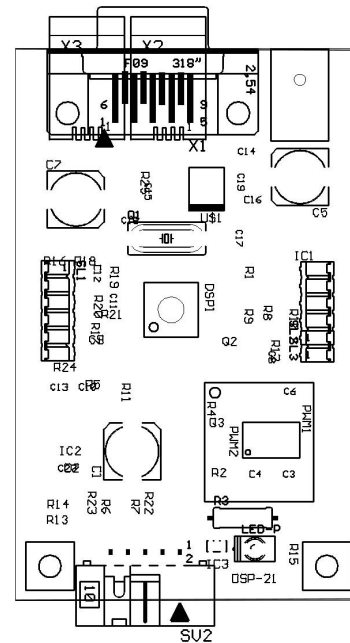
OEM size 2"x 3". Also available other board sizes and packages.

Enclosed versions:

See page 2 for the available enclosures.



Photo (OEM version)



Layout

The pin-out is listed below:

<b>Pin 1</b>	Phase A +
<b>Pin 2</b>	+5V
<b>Pin 3</b>	Phase B +
<b>Pin 4</b>	Phase B -
<b>Pin 5</b>	Ground.
<b>Pin 6</b>	Phase A-
<b>Pin 7</b>	Reference switch (optional)
<b>Pin 8</b>	Limit +
<b>Pin 9</b>	Limit -
<b>Pin 10</b>	GND



	<p>2 controllers in 2 enclosures, connected together can be controlled from a Joystick with XY Digital Display.</p> <p>User can adjust position, direction, speed and set the "0" home position.</p>
	<p>4 controllers in 4 enclosures, connected together can be controlled from one USB port.</p> <p>User can control from HyperTerminal, LabView, Visual Basic, etc...</p>
	<p>2 or 3 controllers in one enclosure can be controlled from one USB port.</p> <p>User can control from HyperTerminal, LabView, Visual Basic, etc...</p>
	<p>1 controller in a handheld enclosure.</p> <p>On the top of the box can install 2 switches and 1 potentiometer.</p> <p>User can adjust position, direction, speed.</p>