Cambridge Technology

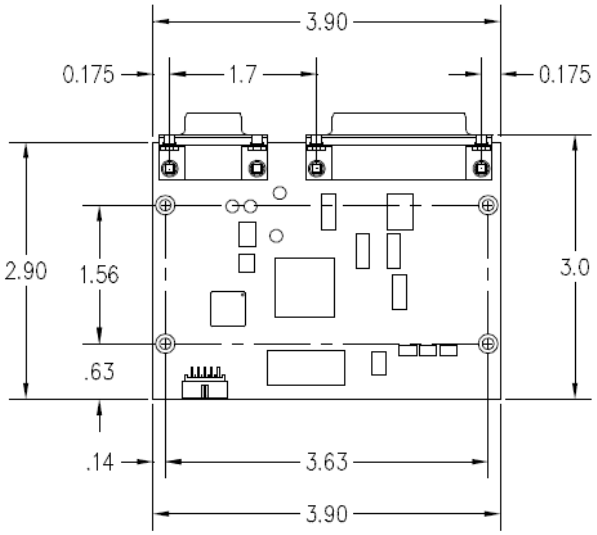
25 Hartwell Ave, Lexington, MA 02421
781-541-1600 781-541-1601
www.cambridgetechnology.com

SC500 Sub-Compact Scan Head Controller

USB-Based Controller for Galvo-Steered Laser Systems

Architecture and Benefits

- Cost-effective Sub-Compact size integrates the functions of a controller and XY2-100 receiver
- Buffered USB 2.0 connection to the host computer
- Direct cable-level interface for IPG lasers
- Eliminates the need for a XY2-100 conversion
- 3-Axis (XYZ) analog control
- 3-Axis XY2-100 output with status monitoring
- Marking on-the-fly support
- 12 Opto-isolated digital outputs
- Opto-isolated 0-5V analog laser power control
- 6 Opto-Isolated digital inputs
- 4 isolated digital high-speed PWM laser control outputs for laser PWM or FPS
- Software programmable laser control connector pinout
- RTC-compatible Universal API to facilitate the use of existing user programs
- Available with horizontal or right angle connectors
- Optionally available in an enclosure with power supplies and connector panel



Cambridge Technology introduces the latest breakthrough in scanning control technology. The cost-effective SC500 Controller's Sub-Compact design integrates the functions of a controller and XY2-100 receiver into a small form-factor package to minimize the controller space required in scanning subsystems.

Utilizing modern semiconductor technology, the SC500 controller was designed to minimize costs while supplying the necessary functionality for galvo-steered laser material processing systems making this the ideal choice for system integrators and OEM applications.

At Cambridge Technology, we take great pride in the performance of our products. Our high standards in research and development, manufacturing and customer satisfaction guarantee the performance consistency that you need to design the high quality systems demanded in today's competitive market-place. Call us today to discuss your scanner, control, and electronics requirements.

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