

bds Brentwood Display Services Inc.

General Purpose I/O PWB **Part Number 612006-501**

The General Purpose I/O Card (GPIO) is a multi-purpose circuit board that is part of the 3800 series of sign controllers. It supplies the controller with input/output (I/O) signals at transistor-transistor levels (TTL) and it also regulates power to the controller from the Model 1 power supply.

The complete sign controller consisting of the CPU, GPIO and Keyboard/LCD Display card is typically enclosed in a 19" rack mounted enclosure. The keypad and LCD (liquid crystal display) are typically mounted on the front hinged cover, and connect to the CPU card and card cage via ribbon cable and a wire harness.

SPECIFICATIONS

Operating Temperature Range	-40 to +74 C
Temperature Sensors Calibrated	-30 to +76 C \pm 1C
Operating Humidity range	5 to 95% non-condensing.
NEMA Tested for Surge & Power Interruption (with Model 1 power supply)	Yes - Passed
NEMA Tested for Mechanical Shock & Vibration	Yes - Passed
Conformal Coating (both sides)	complies with MIL-1-46058C Type SR
Board Material	.062 epoxy glass
Material Rating	G3 Epoxy Glass
Copper	1 ounce plated to 2 ounces
Edge Connectors	gold plate over nickel
Suggested Re-Calibration period	5 years to maintain A-to-D accuracy, 10 years for power supply.

Specifications subject to change without notice.