

# *bds* Brentwood Display Services Inc.

## **3202 Sign Driver**

The 3202D sign driver is microprocessor based. It provides a link between the NTCIP Sign Controller and the row and column drivers that operate the disk elements of the sign. It accepts serial communication from the NTCIP Sign Controller, and on command displays messages and returns status information. Power is supplied locally by an on board low differential regulator.

### **SPECIFICATIONS**

<b>Operating Temperature Range</b>	-40 to +74 C
<b>Operating Humidity range</b>	5 to 95% non-condensing.
<b>Maximum Disk Driver Voltage (used for Return Pulse from Row/Column PWB's):</b>	40 VDC max, 35 V typical 30V minimum
<b>NEMA Tested for Surge &amp; Power Interruption (with Model 1 power supply)</b>	Yes - Passed
<b>NEMA Tested for Mechanical Shock &amp; Vibration</b>	Yes - Passed
<b>Processor</b>	MC68HC11F1 @ 8Mhz.
<b>Memory</b>	32K RAM + 32K EPROM / EEPROM.
<b>LED indicators:</b>	"Run" LED .
<b>Vcc (logic drive) Voltage Requirement</b>	4.50 VDC min, 5.50 VDC max, 5.10 volts typical.
<b>Re-Calibration Period</b>	Power Supply Voltage: 10 years.
<b>Conformal Coating</b>	Complies with MIL-1-46058C Type SR
<b>Board Material</b>	.062 Epoxy Glass.
<b>PWB Material Rating</b>	G3 CSA / UL approved.
<b>Copper</b>	1 Oz Plated to 2 Oz
<b>Board Size:</b>	Approximately 6 1/2"L by 4 1/2" W
<b>Logic level Inter Board connector type:</b>	Gold Plated Ribbon Cable type, with ejectors.
<b>Logic Level Connectors</b>	1 Ribbon cable to row driver PWB, J2. 1 Ribbon cable to column driver PWB, J4. 1 Ribbon cable to RS232 interface PWB, J3.

*Specifications subject to change without notice.*