

# *bds* Brentwood Display Services Inc.

## **RS323 Interface Board**

The RS232 PWB provides RS232 to TTL level conversion, power supply, and switch input (option selection) for the 3202 D/G sign driver PWB assembly. It has its own 5V power supply for local operations (a requirement for compatibility with older drivers) and develops the +/- voltage supplies for RS232 level conversion locally.

### **SPECIFICATIONS**

<b>Operating Temperature Range</b>	-40 to +74 C
<b>Operating Humidity range</b>	5 to 95% non-condensing.
<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>Maximum Disk Drive input Voltage</b>	40 VDC max, 35 V typical 30V minimum
<b>RS232 6.25V Regulator</b>	30/40VDC to 6.25 high efficiency Switching.
<b>RS232 5.0V Regulator (from 6.25V)</b>	6.25 to 5.0V linear (low dissipation).
<b>Current Limiting</b>	Electronic, adjustable.
<b>RS232 Surge Protection</b>	Gas Tube and Electronic (Surge Zener diodes).
<b>LED indicators:</b>	RTS, CTS, DTR, RXD, TXD, RUN, POWER.
<b>Vcc (logic drive) Voltage Requirement</b>	4.50 VDC min, 5.50 VDC max, 5.00 volts typical.
<b>Re-Calibration Period</b>	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>Connectors</b>	1 Ribbon cable to 3202D/G, J1 1 Ribbon cable to modem, J2 1 Plug-in power connector (input), TS1 1 Plug-in power connector (output), TS2

Specifications subject to change without notice.