



G7501-01 Keypad NAV Control Panel

GENERAL SPECIFICATIONS

Dimensions

- 2.610 (height) x 5.735 (width) x 5.5 (depth) inches, excluding rear connectors

Weight

- 2.5 pounds (max)

Frequency Range

Modes are configurable with program pins

- ILS/VOR (VHF NAV) - 108.00 MHz to 117.95 MHz
- MLS - 500 to 699
- GLS - 20,000 to 99,999

Tuning

- ARINC 429 (ILS, VOR, MLS, GLS and DME)

Electrical Requirements

- Power 115 VAC @ 400 Hz, 4.0 Watts (max)
- Panel Lighting (White LEDs) 0 - 5 VAC variable
- LCD Module Lighting (White LEDs) 0 - 5 VAC variable

Connectors

- J1 Mating: BACC63CB22-55SN, or equivalent 55 pin connector
- J2 Mating: BACC63CB22-55S8, or equivalent 55 pin connector



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Color

- Front Panel – Non-reflective Gray FED STD 595b36118
- Front Panel Markings – White FED STD 595b37875 (Futura Medium and Futura Medium Condensed font)
- Push Buttons – Non-reflective Black FED STD 595b37038

Compliance

- RTCA/DO-160D (Environmental), RTCA/DO-178B (Software)
- ARINC 429, ARINC 709, ARINC 710, ARINC 711, ARINC 720, ARINC 727, ARINC 755
- Boeing D6-38859-1, Boeing D6-52191-1 Rev B

Certification

- TSO-C36e, TSO-C40c, TSO-C66c, TSO-C104, TSO-C161

Features

- Provides tuning control of VOR, ILS, DME, MLS and GLS
- Provides internal fault monitoring and recording capability
- Liquid spill-proof design
- Reliable switch design (one million actuations)
- White LED display and panel lighting for higher reliability
- Built-in-test (BIT) capability
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- MTBF (Calculated): 22,000 operating hours

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Proprietary Information

2/25/05 • Rev. 13