



GENESYS CONTROL PANEL

AIRBORNE RADIO CONTROL PANEL

FOR FIXED-WING AND HELICOPTER PLATFORMS

The Genesys Control Panel (GCP™) is a panel-mount, software-defined radio control panel designed to interface with the Genesys Digital Radio (GDR™) product family. The GCP provides dedicated controls for frequently needed audio/radio controls, as well as additional controls for selecting and setting parameters. The GCP is designed for both fixed-wing and helicopter aircraft applications. The GCP has the capability to control radio functions via RS-232 or RS-422 serial interfaces. The GCP is also NVG compatible for night operations.

Features of the GCP include:

- Small, light weight, with high reliability
- NVG Compatible
- DO-160G Environmental Qualifications
- RTCA DO-178C Certified
- Utilizes 28 VDC aircraft power
- DO-178C: Level A software
- TSO-C113B Compliant
- RS-232 and RS-422 control
- Non-ITAR

Dimensions:

Width: 5.75" (146.05mm)
Height: 1.875" (47.625mm)
Depth: 1.729" (43.917mm) (depth behind panel)
Weight: <1.2 lbs (0.544 kg)

Environmental:

RTCA/DO-160G:
F2[XXX],B,B,B,[H,R,U],X,W,X,S,F,S,Z,Z,A,Z,[ZC],[YK],M,[A3J3L3],X,X,A,A,C
MIL-STD: 704E, 810G

Temperature & Altitude:

Cat F2: -55C - +70C operating temperature, +55,000 ft altitude

Temperature Variation:

Cat B: 5 deg C / min

Humidity:

Cat B

Operational Shock & Crash Safety:

Cat B

Vibration:

Cat H+R+U: Cat H, Curve R - Cat R, Curves B/B1 -
Cat U - Curve G

Waterproofness:

Cat W

Sand & Dust:

Cat S

Fungus Resistance:

Cat F

Salt Fog:

Cat S

Magnetic Effect:

Cat Z

Power Input:

Cat Z

Voltage Spike:

Cat A

Audio Frequency Conducted Susceptibility - Power Input:

Cat Z

Induced Signal Susceptibility:

Cat ZC

Radio Frequency Susceptibility (Radiated & Conducted):

Cat YK

Emission of Radio Frequency Energy:

Cat M

Lightning Induced Transient Susceptibility:

Cat A3J3L3

Electrostatic Discharge (ESD):

Cat A

Fire, Flammability:

Cat C

Power Requirement:

10W Maximum @ 9 - 32 VDC

Control Buses:

RS-422
RS-232

Voltage Input:

28 VDC

Discrete Inputs:

GCP Address
Program Enable
NVG Mode

Export:

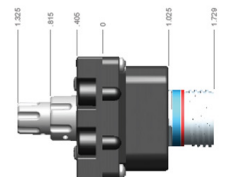
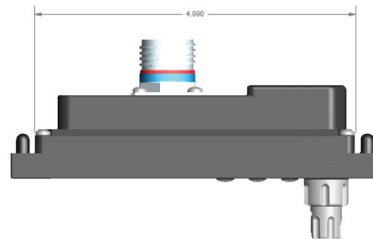
Non-ITAR, ECCN 7A994

TSO:

TSO-C113B: Airborne Multipurpose Electronic Displays

MOPS:

AS8034C



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