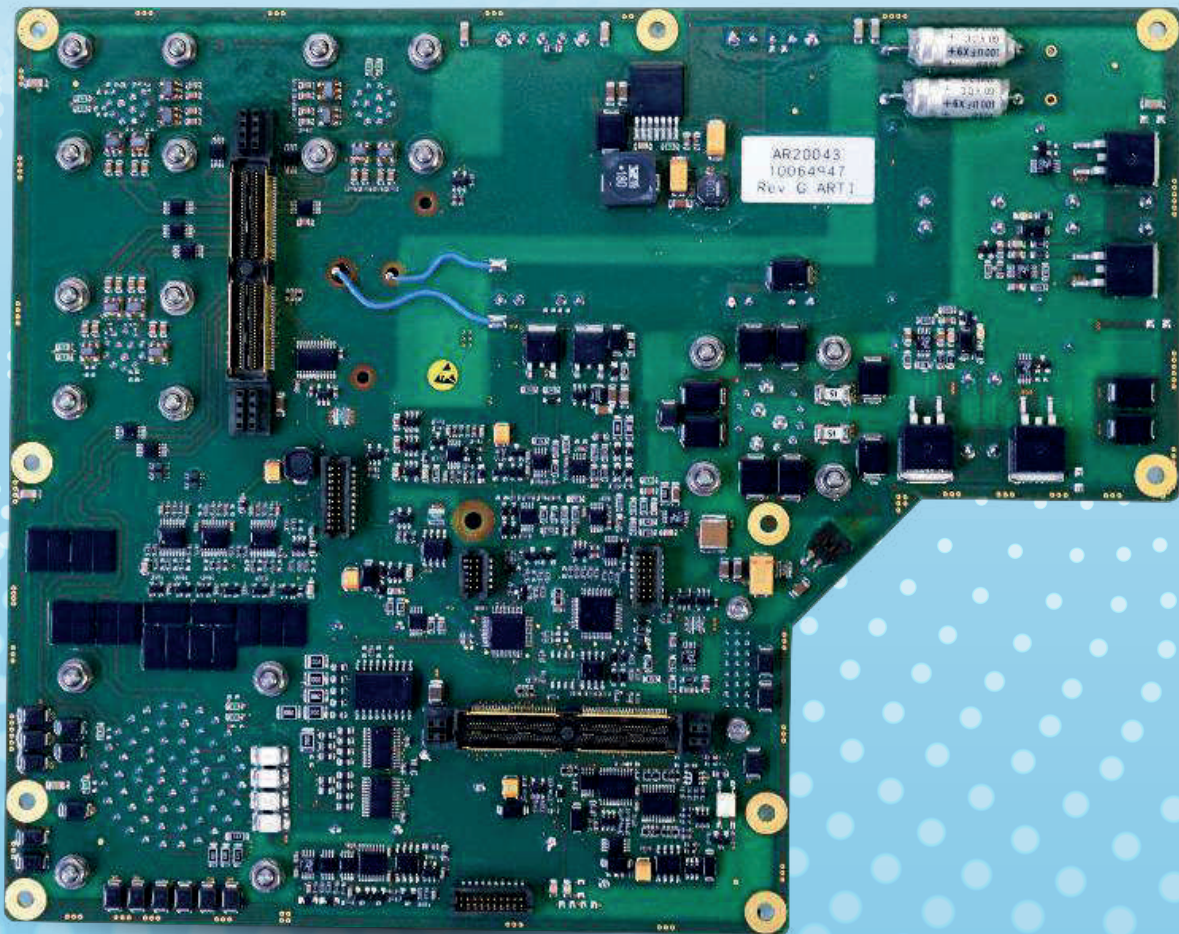


28 VDC Power and System Interface Board for Aircraft



28 VDC Power and System Interface Board for Helos

The Power and System Interface Board has been specially developed for aircraft. It creates an interface between the external units and the display inside the multi-purpose display used in aircraft. At the same time, it converts the power it receives from a 28 VDC source to other voltages required by the system. In case of power cuts, the system continues to feed for a sufficient time for safe shutdown. It complies with MIL-STD-704F and RTCA/DO-160E standard input supply voltage conditions. The power and signal inputs/outputs of the board are designed for DO-160E category 3 and category 4 lightning protection. The card has dual power inputs and can select main power and auxiliary power. It has three channels of DVI (650 Mbps), three channels of analog video input and one channel analog video output interface to provide the interface of the multi-function display (MFD).

Input Features

● Input Voltage	28 VDC
● No-load Power Consumption	<1,0 A

Environmental Characteristics

● Operating Temperature	MIL-STD-810F -40°C ~ +71°C
● Storage Temperature	MIL-STD-810F -55°C ~ +85°C
● Temperature Shock	MIL-STD-810F -55°C ~ +85°C
● High Altitude	MIL-STD-810F, Method 500.4, 15.000 ft MIL-STD-810F, Method 500.4, 40.000 ft
● Combination	MIL-STD-810F, Method 520.2
● Humidity	MIL-STD-810F, Method 507.4 %95 humidity (Without condensation)
● Shock	MIL-HDBK-5400 Paragraph 4.6.2.6.1
● Crash	MIL-HDBK-5400 Paragraph 4.6.2.6.2
● Vibration	MIL-STD-810F, Method 514.5, Procedure I
● Fungus	MIL-STD-810F, Method 508.5
● Salt Fog	RTCA/DO-160E, Chapter 14, Category S

Electromagnetic Compatibility

● MIL-STD-461E	CE101, CE102 CS101, CS114, CS115, CS116 RE101, RE102 RS101, RS103
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