

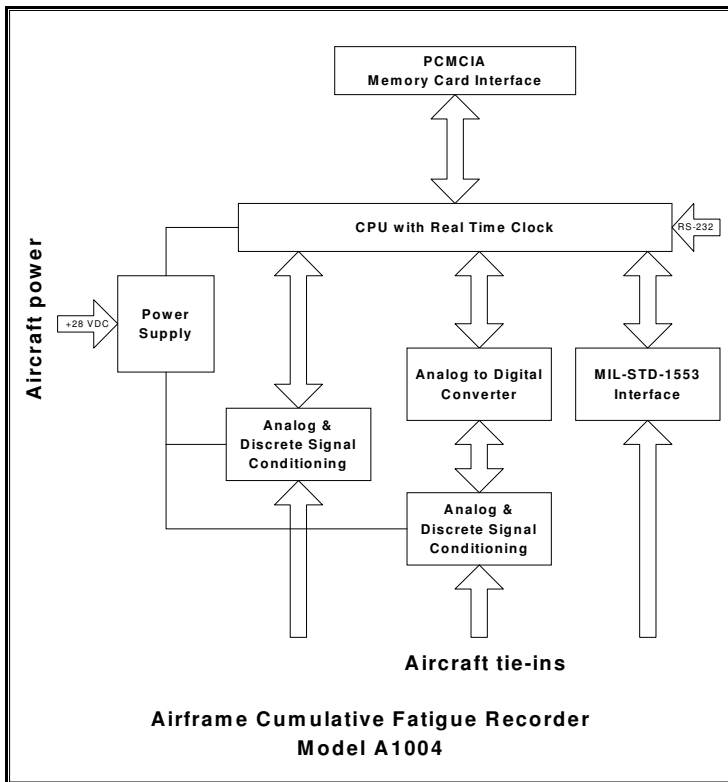
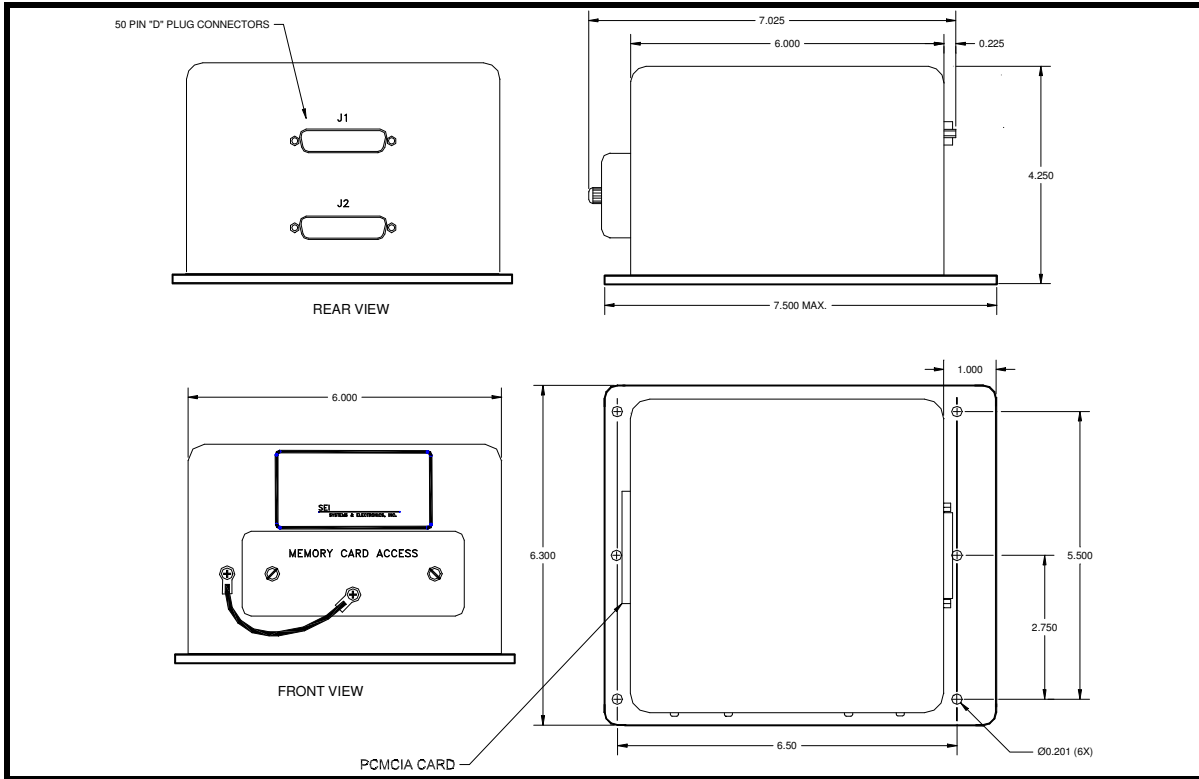
CUMULATIVE FATIGUE RECORDER MODEL A1004



Systems & Electronics, Inc. (SEI) *Cumulative Fatigue Recorder (CFR) Model A1004* is an advanced, low cost structural data recorder capable of monitoring parameters from the aircraft's Mil-Std-1553 data bus and provides analog and digital channels for other aircraft parameters which are not available in the aircraft's data. The *CFR Model A1004* has the Mil-Std-1553 feature which can function as a remote terminal or bus monitor, and is capable of recording *16 analog signals and 12 digital signals*. The recording media is a removable PCMCIA card which can easily be downloaded from a laptop computer with SEI software. The *CFR Model A1004* has low power consumption, light weight, and small size which allows for easy aircraft installation.

**A Cost-Effective
Solution For Aircraft
Structural Monitoring
and Tracking of
Individual Aircraft**

- ◆ **Product Features:**
- ◆ **8 ± 10 VDC Analog Channels**
- ◆ **8 ± 60 millivolt Analog Channels**
- ◆ **12 Digital Input Channels**
- ◆ **Redundant Mil-Std-1553 Data Bus**
- ◆ **Two RS232 Communication Links**
- ◆ **PCMCIA Memory 32 Megabytes**
- ◆ **Real-Time Clock**
- ◆ **Programmable Sampling Rates**
- ◆ **Built-In-Test (BIT)**
- ◆ **Designed to DO-160D**



SUMMARY SPECIFICATIONS	
Parameter	Specification
Input Voltage	+18 to 36 VDC
Power Consumption	< 10 Watts
Weight	< 4 pounds
Analog Channels (8)	± 10 VDC
Analog Channels (8)	± 62.5 mVDC
Digital Channels (6)	Ground / Open
Digital Channels (6)	+28V / Open
Memory Capacity	32 Mbytes PCMCIA Flash
Communication Interfaces	RS-232 MIL-STD-1553
Voltage Outputs	+10 and ±15 VDC
Operating Environment	-20°C to +70°C