

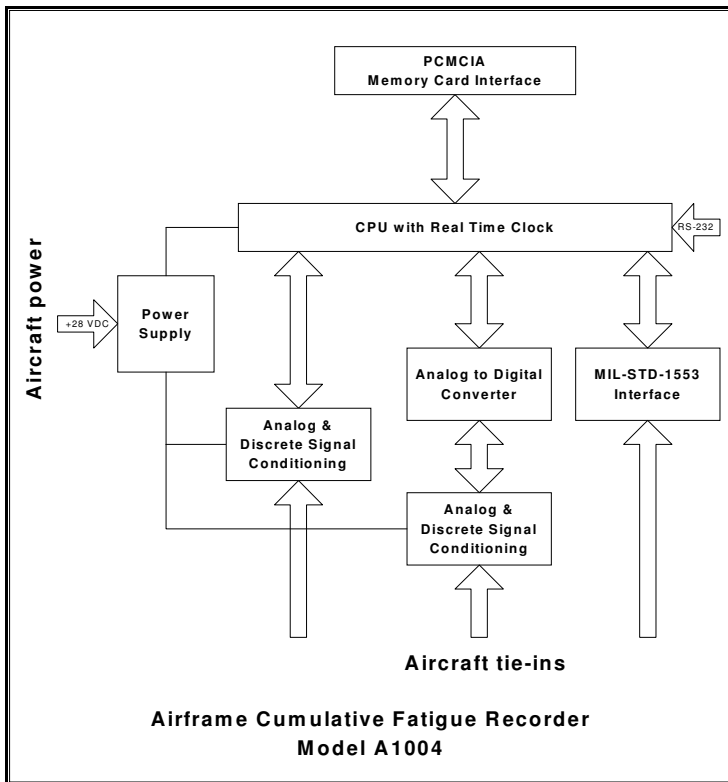
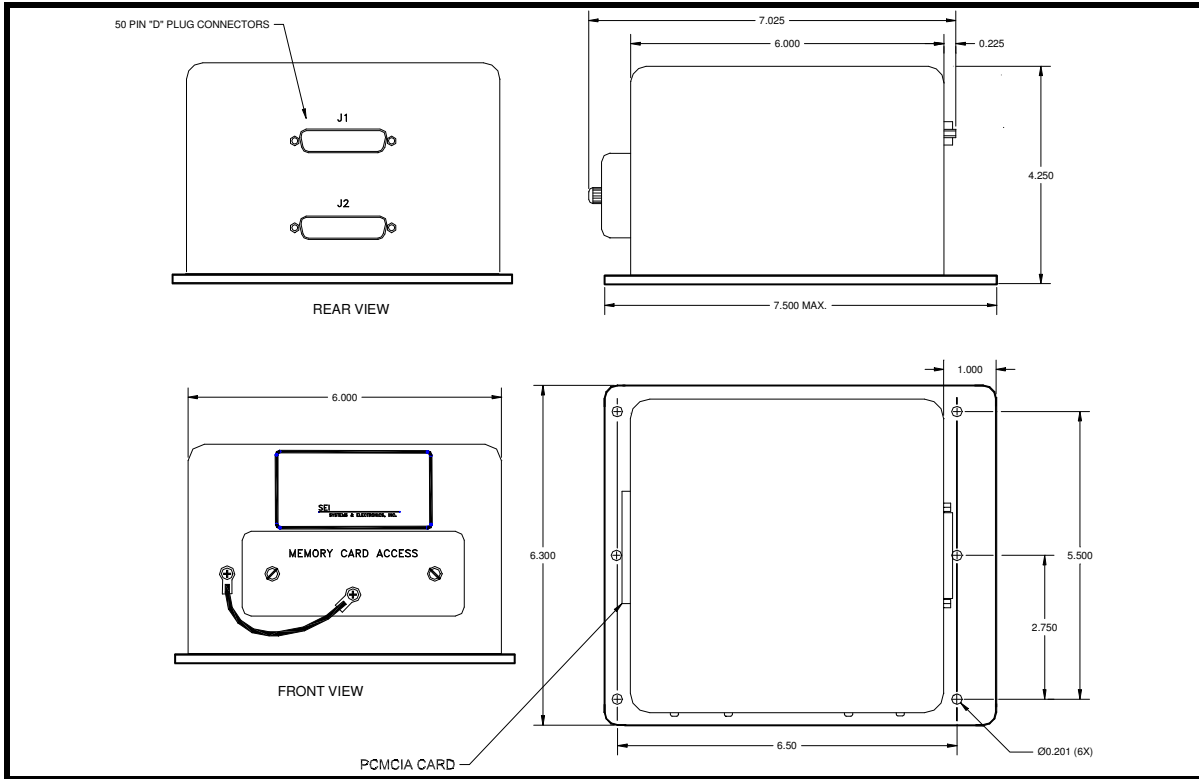
CUMULATIVE FATIGUE RECORDER MODEL A1004



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