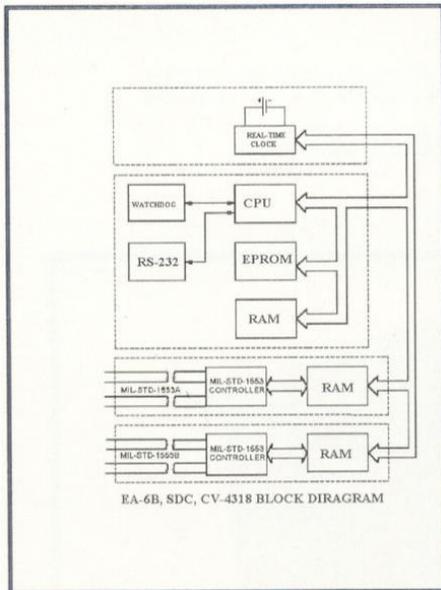


## SIGNAL DATA CONVERTER CV-4318/ASH-37(v)

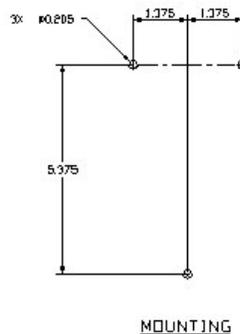
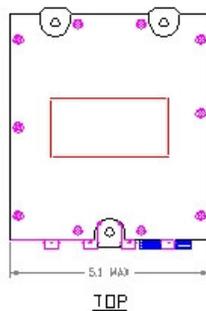
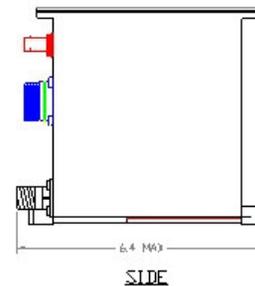
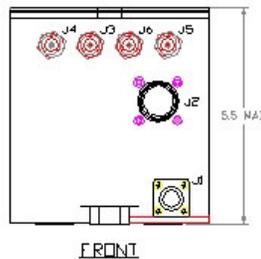


Systems & Electronics, Inc. (SEI) *Signal Data Converter (SDC), CV-4318/ASH-37* offers the capability of acquiring data from dual MIL-STD-1553 busses and has a real time clock. The data acquired from these busses and real time clock are transmitted to SEI's multiplatform *Structural Data Recording Set (SDRS), AN/ASH-37(v)* via RS-232. The SDRS is a multi aircraft data acquisition system. The unit presented in this technical data sheet is currently on the Navy's EA-6B aircraft.



Functional Block Diagram

| POWER REQUIREMENTS    |  |
|-----------------------|--|
| Input Voltage         | +28 VDC per Mil-Std-704                |
| Power                 | < 15 Watts                             |
| Isolation             | Power & Signal Returns<br>> 50 Megohms |
| PERFORMANCE           |  |
| Environments          | Mil-E-5400 Class 2                     |
| Operating Temperature | -54°C to +71°C                         |
| Altitude              | 70,000 ft                              |
| Vibration             | 7g RMS, 20 to 2,000 Hz                 |
| Shock                 | 100g 11 milliseconds                   |
| EMI                   | Mil-Std-461/462                        |
| Weight                | 4.8 lbs                                |



Signal Data Converter (SDC) CV-4318/ASH-37(v)  
Outline Drawing