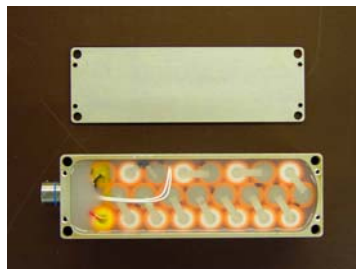
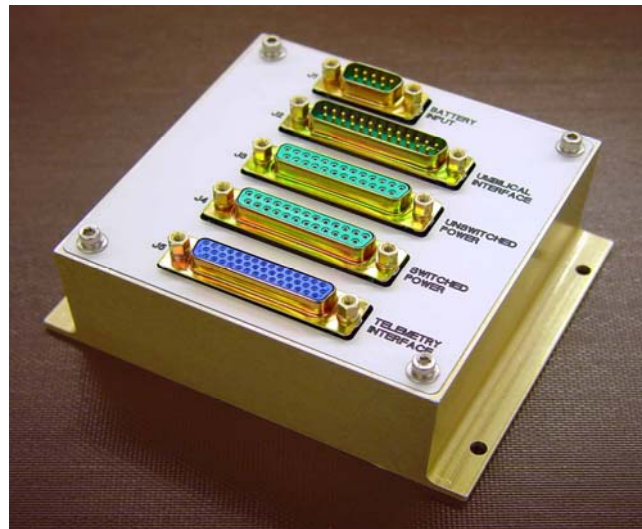


# Flight Instrumentation System Components

NMSU/PSL is known for innovative development and application of flight instrumentation systems. The WFF93 and MV PCM Encoder Systems have provided flexible, modular, economical flight-capable instrumentation platforms. PSL engineers have applied invaluable lessons learned in support of test and launch operations to develop reliable, flexible, and inexpensive power system and other critical components for high performance flight instrumentation and avionic systems.

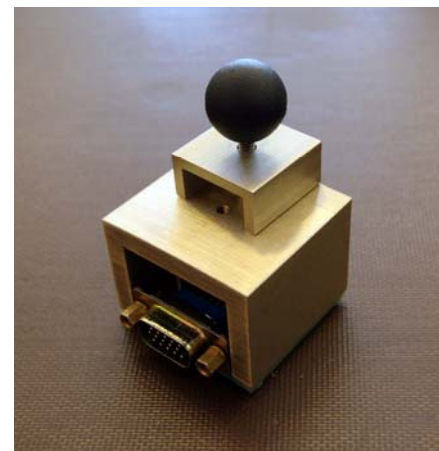
Power Control Board II



4.2 AH Battery



H06 Lanyard Switch



## Flight System

### Power System Components

#### Price List

Prices shown valid 1 July 2007

<b>Power Control Board II</b> - Provides battery recharging, internal/external switching capability for three payload power buses via an umbilical. Includes signal conditioning for bus voltage/current and temperature and includes a linear voltage regulator for auxiliary requirements.	<b>\$ 3,406</b>
<b>H06 Lanyard Switch</b> - Provides positive indication of first vehicle motion for initiation of flight system. When used with Power Control Board II can assure that all power is switched to internal, provide a positive timer start signal, and assure switching of other critical systems.	<b>\$ 1,104</b>
<b>Delay Line Module</b> - Provides reliable short-duration delays for initiation spin motors or other flight critical events.	<b>\$ 507</b>
<b>TB06 Thermal Block</b> - Provides temperature monitoring of thermocouple – copper junctions.	<b>\$ 524</b>
<b>4.2 AH Battery</b> - Flight proven NiMH rechargeable battery pack. Provides nominal +28 volts/4.2 amp-hours of power for flight avionics components. Machined enclosure and MIL-standard connector are designed for reliable operation in missile flight environments.	<b>\$ 1,945</b>

Contact info: Marcos Quinones (505) 646-9554  
TelemetryProducts&Solutions@psl.nmsu.edu