SEPIA

• SEPIA Powers SC Upon Separation Detection From Launch Vehicle
• Isolates Battery & Lazarus S/A Power From IAU Prior to Separation
• Redundant Relay Isolation – Either Relay Capable of Powering the Spacecraft
• Discrete Inputs Available for Powering IAU On / Off During Test
• Power Application Delay Time Programmable
**Performance Characteristics**

- Keeps Battery, Unswitched and Lazarus Solar Array Strings Disconnected from IAU Before Separation
- Autonomously Connects Battery, Unswitched and Lazarus Solar Array Strings to IAU Upon Separation
- Provides Battery Voltage Sense Inputs to IAU
- Provides Battery Trickle Charge Path Without Powering IAU
- Provides IAU 28V Input Without Connecting Battery for Test
- Provides IAU and EGSE Battery Monitor Board Power
- Saves Power by De-energizing Relay Coils Upon IAU Power Up
- Provides 28V Bus Voltage Sense to EGSE
- EGSE Verification of Relay Status
- Independent IAU Current Telemetry to EGSE
- Relays Resettable via EGSE Command Only

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Size</td>
<td>6.18” x 3.43” x 2.16”</td>
</tr>
<tr>
<td>Mass</td>
<td>0.8g</td>
</tr>
<tr>
<td>Power</td>
<td>3.00W wc</td>
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