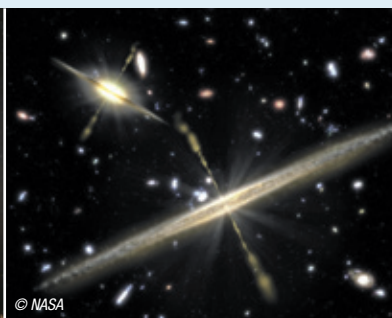


## SEPIA

- 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



Size	6.18" x 3.43" x 2.16"
Mass	0.8g
Power	3.00W wc



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