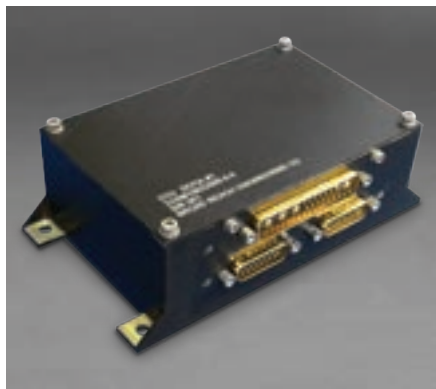# SPACECRAFT ENERGIZATION AND POWER INTERFACING ASSEMBLY (SEPIA™)

- SEPIA Powers SC Upon Separation Detection From Launch Vehicle
- Isolates Battery and 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

© ESA

© NASA

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

© ESA

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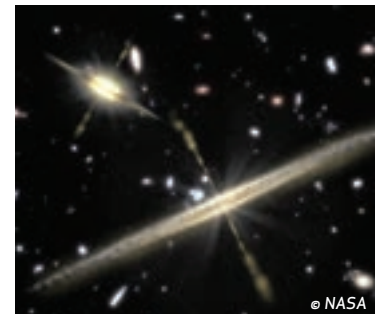
MOOG

MOOG
SPACE AND DEFENSE GROUP

2228 W. Guadalupe Road
Gilbert. AZ 85233
www.moog.com/space

Moog Space and Defense   @MoogSDG   @MoogSDG   @MoogSDG   @MoogInc