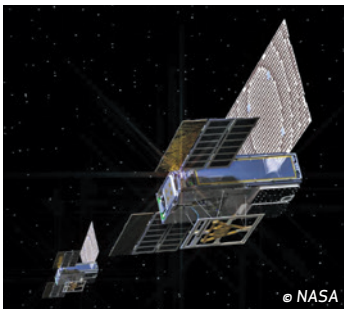
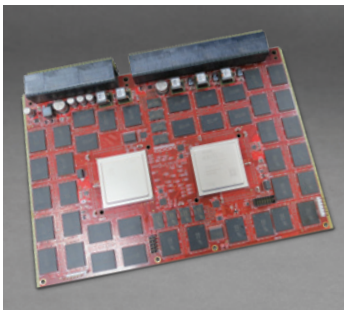


## RAD TOLERANT, 10Tb FLASH SpaceVPX MEMORY BOARD



Today's payloads can produce significant volumes of data at gigabit rates. EO, IR, and RF type sensors demand large data storage capacity at high access speeds to maximize sensor capability.

Extensive memory storage coupled with ultra-fast write and read speeds enables longer sensor on-times, eliminating data storage as a limiting factor in payload operations.

Moog has invested significantly in components, architectures, and automated manufacturing equipment to provide state-of-the-art, radiation tolerant data storage and processing solutions for the space market. Components are selected, sourced, and tested for radiation resiliency from single lot date code procurements.

The Durango series of SpaceVPX boards provides over 10 Tb of Flash based storage in the 6U version and over 4 Tb in the 3U version. Both provide Gigabit access rates from the backplane.

Multiple Durango Flash boards can be integrated into a Solid State Recorder (SSR) Sub-System to provide extensive storage capability for modern payloads.

### FEATURES

- 6U: > 10Tb Flash Storage w/ ECC
- 3U: > 4Tb Flash Storage w/ ECC
- >10 Gbps Access Speeds
- DDR-4 Buffer Memory
- Robust Channel Level ECC
- HW Based Bad Block and File Management
- Modern Radiation Tolerant FPGA
- Radiation Tolerant - 50KRad TID
- SpaceVPX (VITA 78), 3U and 6U
- Ruggedized VITA REDI, Conduction Cooled
- Supports Redundant Architectures
- LEO, GEO, Lunar, and Interplanetary Missions
- Scalable - multiple boards in parallel significantly increases capacity and access speed

# RAD TOLERANT, 10Tb FLASH SpaceVPX MEMORY BOARD

## APPLICATIONS

- Payload Data Storage
- Payload Data Processing
- Data Compression
- Artificial Intelligence/Machine Learning

## AVAILABILITY

- Now accepting orders for EDU and Flight models



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