

RUGGED ELECTRONIC PACKAGING



**MOUNTAIN
SECURE
SYSTEMS**

RELIABLE PERFORMANCE WHEN IT COUNTS



CUSTOMIZABLE FEATURES:

I REMOVABLE, PACKAGED 2.5" SATA SOLID STATE DRIVE

- Internal drive may be selected to meet program requirements
- Environmentally sealed enclosure to protect against—rapid decompression, EMI, humidity, dust, salt fog, immersion and condensation
- Captive thumb screws for docking. Wedge-locks available upon request.
- Connector rated for 100,000 insertion cycles
- Hot swappable
- Available encryption, secure erase, destructive erase, extended temperature and/or power protection options

II 3.5" HALF HEIGHT DOCKING BAY FOR ON-VEHICLE INTEGRATION

- Available with Mini Mil-Circular Connectors or commercial SATA connector SATA interface. Other interfaces available upon request. + 5VDC power. +28VDC option available EMI filter options
- Available encryption, secure erase, destructive erase, extended temperature and/or power protection options

III DESKTOP DOCKING BAY FOR OFF-VEHICLE DATA DOWNLOADING

- SATA interface
- Power supply included



SAWATCH REMOVABLE, SEALED, SATA 2.5" | 3.5" SOLID STATE DRIVE

The Sawatch is a removable, sealed, rugged SATA memory device containing a 2.5" solid state drive that mates with a 3.5" docking bay.

Mountain Secure Systems (MSS) packages COTS electronics that incorporate sealed enclosures, removability, EMI/EMC shielding, extended temperature range, firmware control, conformal coating, and other techniques to meet rugged commercial and military standards, including program-specific requirements. By listening to and working closely with our customers, as well as building strong relationships with OEMs and distributors, MSS provides the most reliable rugged electronics in the marketplace. Simply put: No one can match MSS's meticulous attention to detail and proven track record of delivering world-class performance in harsh, demanding environments.

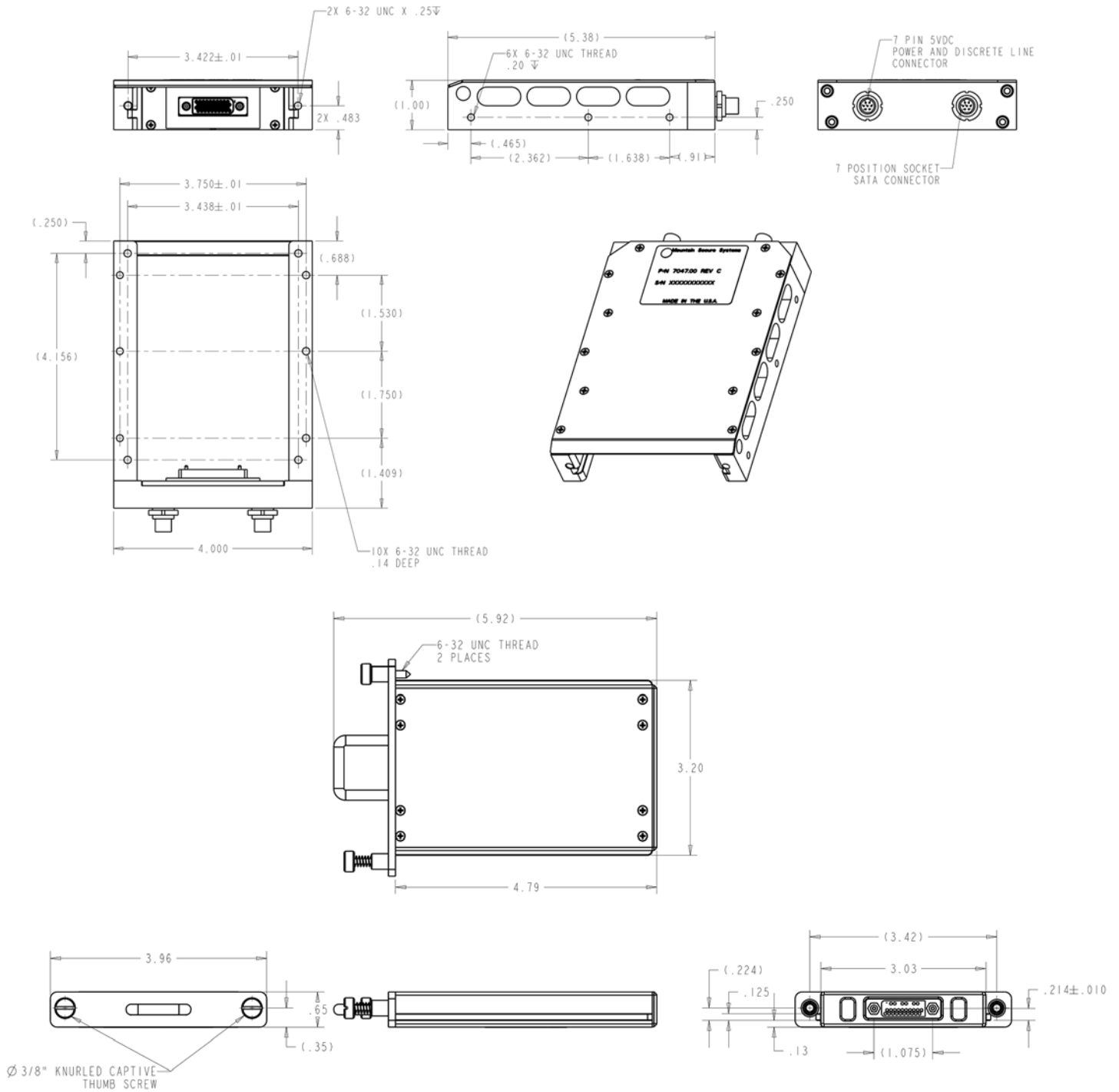
SPECIFICATIONS:		SOLID STATE DRIVE	
Capacity		Selectable*	
Drive Interface		SATA 3	
Read Performance		500 MB/Sec SATA	
Write Performance		430 MB/Sec SATA*	
Input Voltage		+5 Volts	
Temperature (°C)	Operating	Commercial	-20 to +75*
		Extended	-40 to +80*
	Non-Operating		-45 to +90*
Shock (Gs)	MIL-STD-810, RTCA/DO-160D	Operating	15 @ 11ms
Vibration (Gs)	MIL-STD-810, RTCA/DO-160D		7.7 Grms Random
Humidity		0% to 100%	
Fungus Resistance (MIL-STD-810, 508.5)		Inert	
EMI ESD		EN61000-4-2 A 8kV	

*MSS leverages the best data storage technologies available on the commercial market. Our expertise is properly ruggedizing, packaging, and integrating the memory to meet your program requirements. While we have close relationships with many of the OEM manufacturers, we are always open to utilizing your SSD choice or recommending the proper drive for your application. Capacity, MLC/SLC, speed, operating temperature and other performance characteristics may be dependent on drive selection.

PHYSICAL:		SOLID STATE DRIVE	
Dimensions		1" H x 4.0" W x 5.38" D	
Weight*		1.2 lbs	

*Depends on SSD selected.

SAWATCH DOCKING BAY AND DRIVE



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CAGE Code: 09FR8
9001:2008
AS9100B | J-STD-001

www.mountainsecuresystems.com

Made in the USA