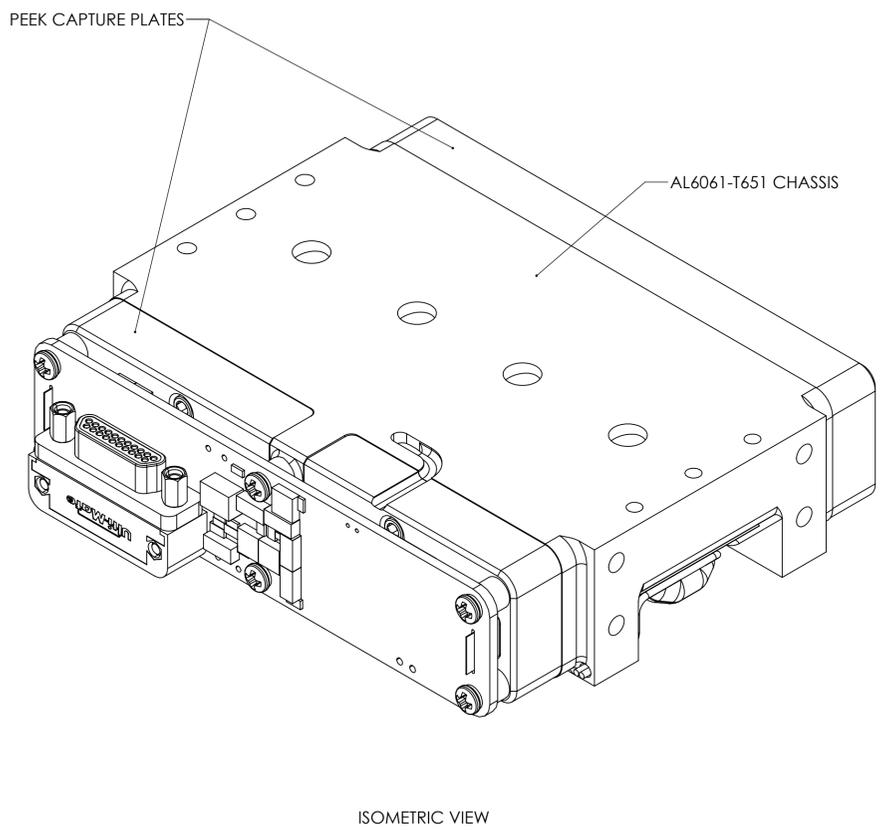
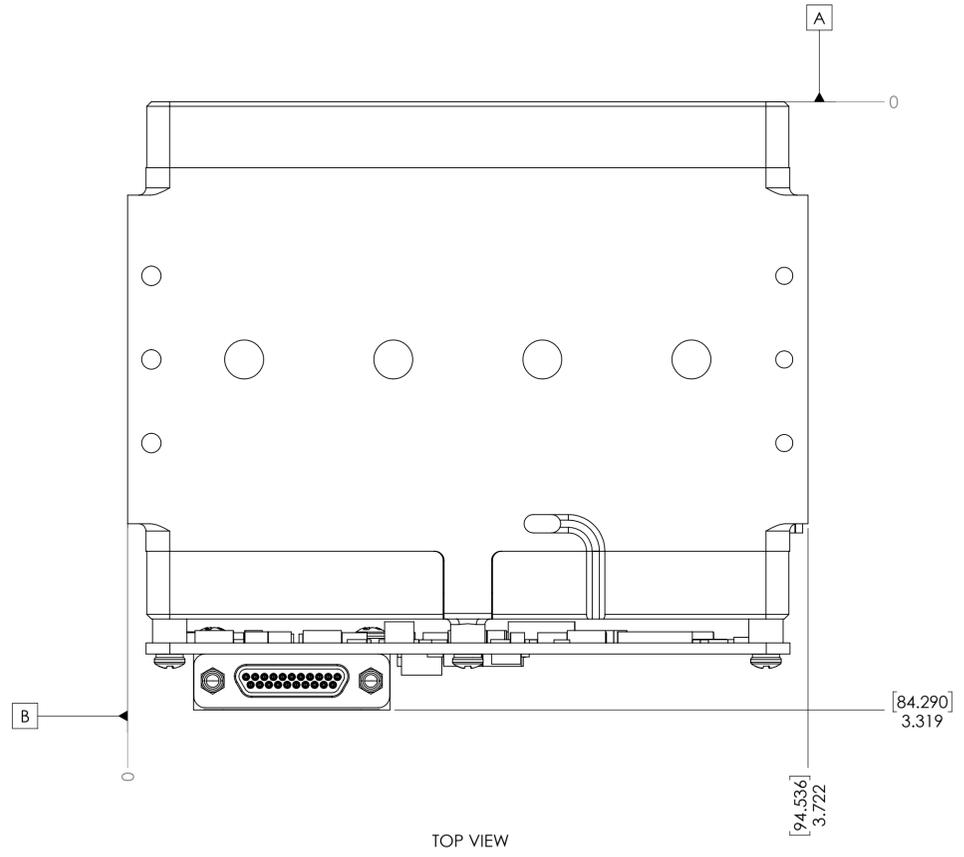


NOTES:

1. THIS DRAWING IS THE SOLE AUTHORITY FOR THE BASIC FORM, LOCATION, ORIENTATION, AND DIMENSIONAL CHARACTERISTICS OF ALL DESIGN FEATURES IN ADDITION TO ALL MECHANICAL, THERMAL, AND ELECTRICAL INTERFACE SPECIFICATIONS.
2. PRECAUTIONARY PACKAGING, HANDLING, PROCESSING, AND INSTALLATION PROCEDURES SHALL BE USED TO PREVENT DAMAGE FROM ELECTROSTATIC, ELECTROMAGNETIC, AND OTHER ENVIRONMENTAL FIELD FORCES.
3. ASSEMBLY MASS: < 375 g
4. SIX .086-56 CLEARANCE AND HELICAL INSERT HOLES AND TOP SURFACE OF THE BATTERY CHASSIS ARE RESERVED FOR INTEGRATION WITH A SECOND 45WHR BATTERY FOR 90WHR BATTERY ASSEMBLY. THESE FEATURES ARE NOT INTENDED TO BE USED FOR THERMAL OR MECHANICAL INTEGRATION OF THE 45WHR BATTERY.
5. TWO PRIMARY MOUNTING CONFIGURATIONS ARE POSSIBLE: (1) SIDE MOUNTING WITH ALL HOLES MARKED "A" OR (2) BOTTOM MOUNTING WITH ALL HOLES MARKED "B" AND OPTIONAL HOLES MARKED "C" FOR ADDITIONAL STIFFNESS AND THERMAL INTERFACE COMPRESSION.
6. ALL EXTERNAL CHASSIS SURFACES ARE AL6061-T651 TREATED WITH CHEM FILM PER MIL-5541 TYPE II, CLASS 3

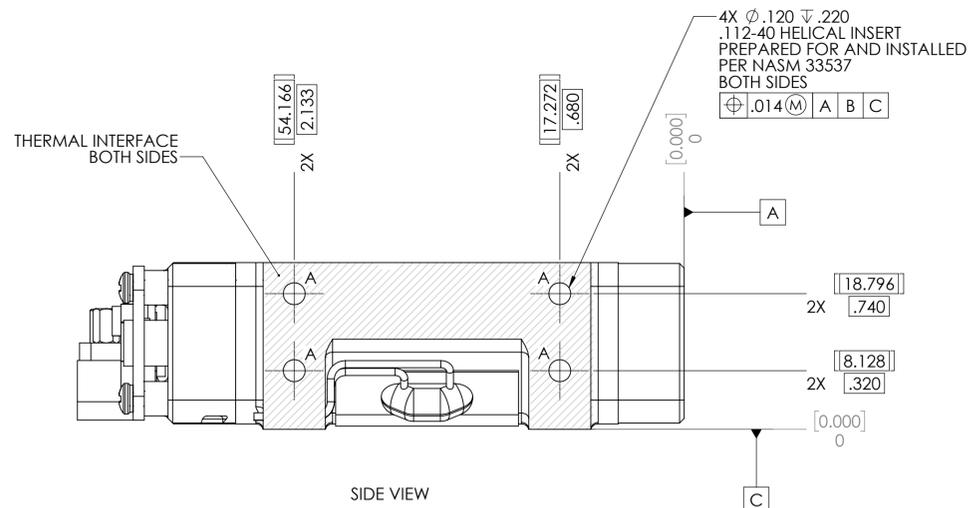
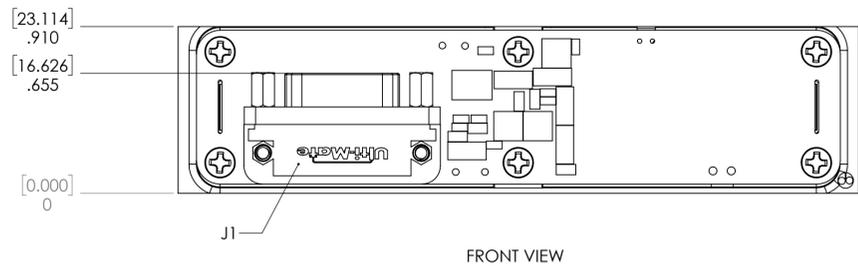
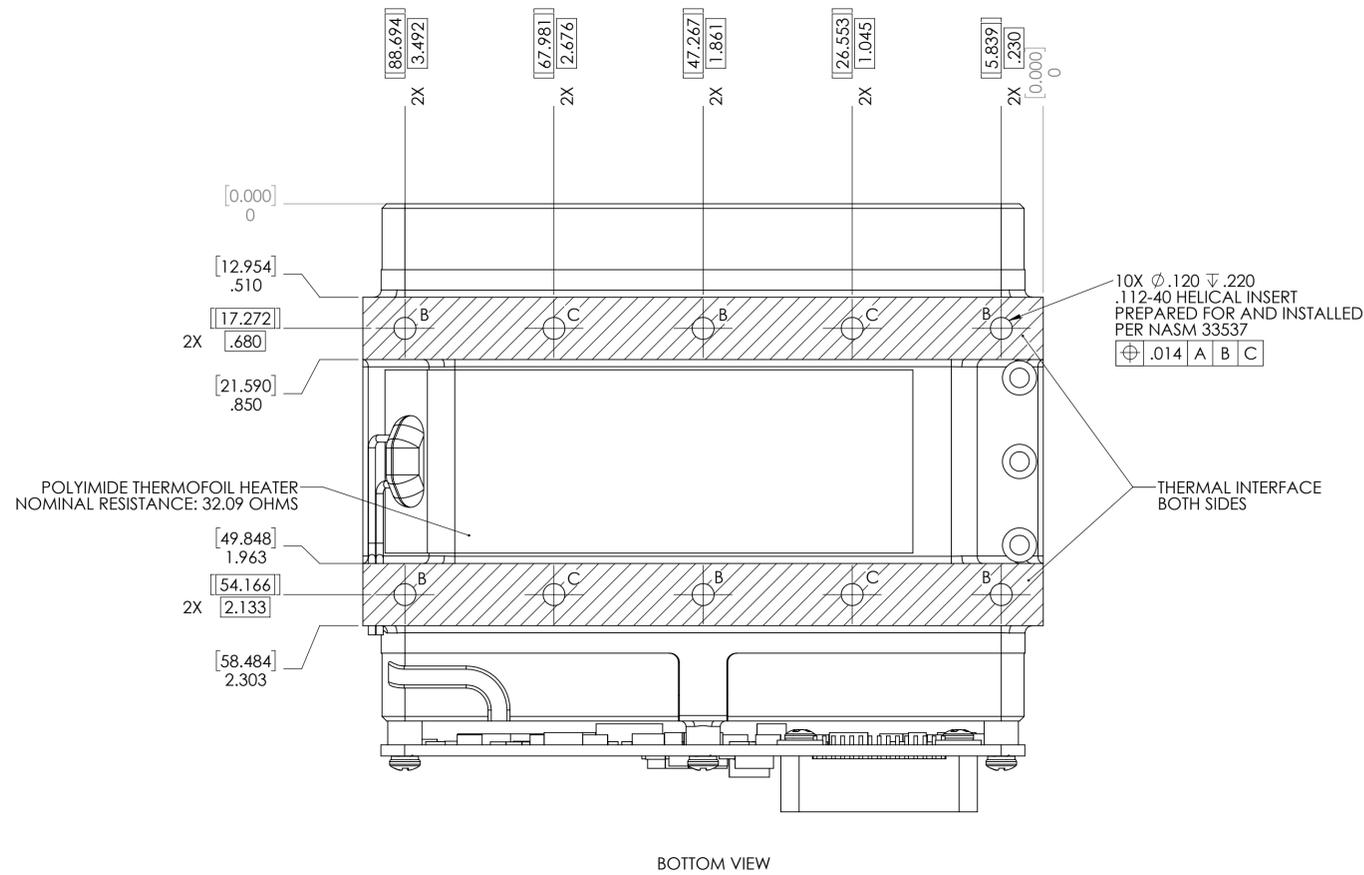
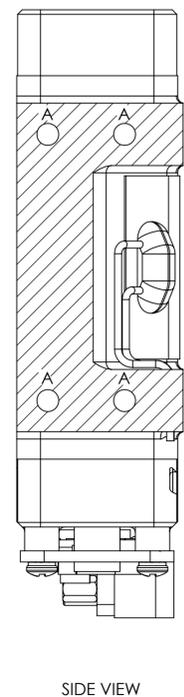
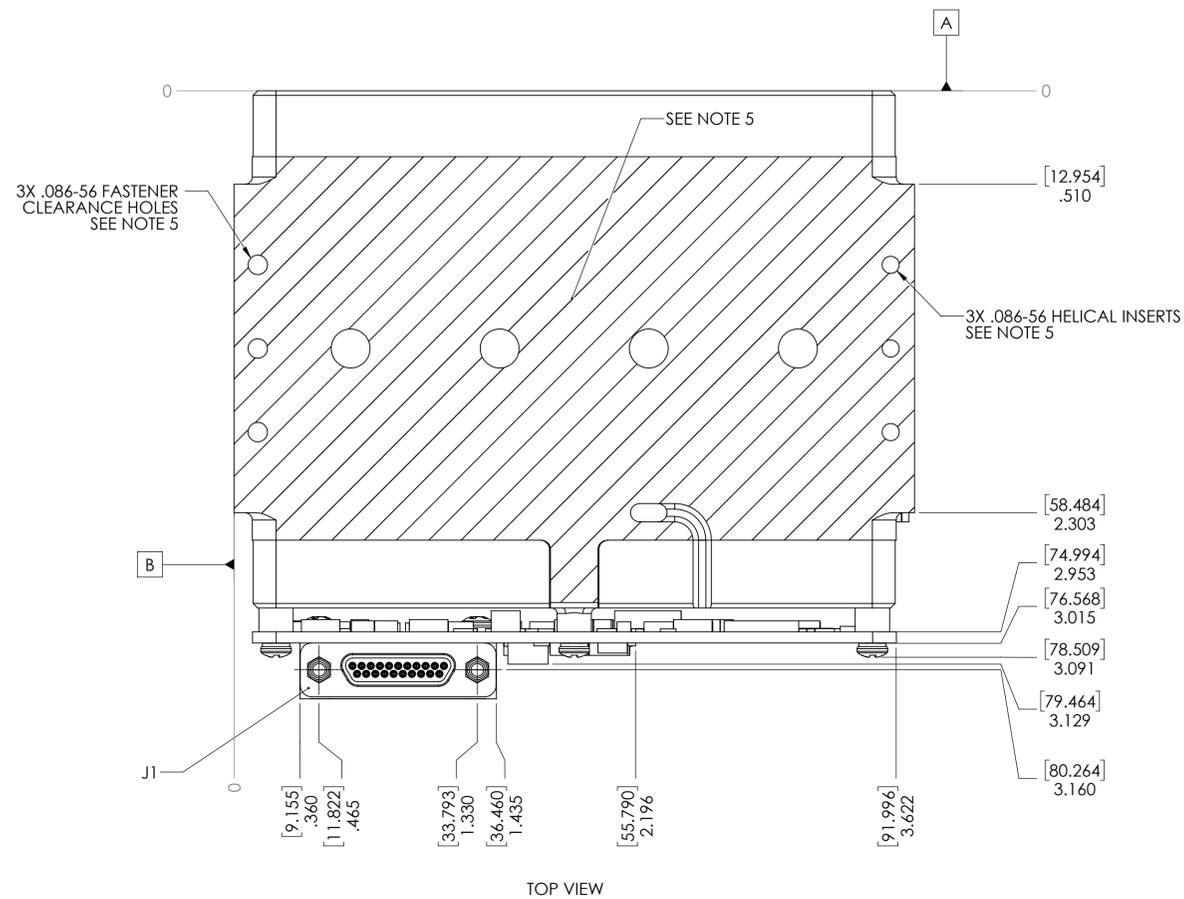
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	1/29/19	R. ROBERTSON
ALL VIEWS	A	UPDATED TO REFLECT MINOR CHASSIS DESIGN UPDATES	3/5/2019	R. ROBERTSON
ALL VIEWS; SHEET 1 D6-8	B	UPDATED BATTERY INTERFACE ELECTRONICS TO SHOW ACCURATE COMPONENT LIMITS; REMOVED MAXIMUM INTERFACE TEMPERATURE (MSB TECHNICAL REFERENCE MANUAL PROVIDES THERMAL DESIGN CONSIDERATIONS)	5/7/2019	R. ROBERTSON
SHEET 1 D6-8; SHEET 1 C3-4	C	ADDED CHASSIS SURFACE FINISH AND MATERIAL NOTE; ADDED CAPTURE PLATE AND CHASSIS LABELS TO ISOMETRIC VIEW; REMOVED SHEET 3 WITH CONNECTOR PINOUT, WHICH IS PROVIDED IN THE TECHNICAL REFERENCE MANUAL	5/9/2019	R. ROBERTSON
D8; ALL VIEWS	D	UPDATED NOTE 3. ADDED DUAL DIMENSIONS	2/3/2021	G. ROTH



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	IBEOS
DIMENSIONS ARE IN INCHES		G. ROTH	1/18/19	
TOLERANCES:		DRAWN		
FRACTIONAL: 1/16		CHECKED R. ROBERTSON 1/29/19		
ANGULAR: ±0.5 DEG		COMMENTS:		
TWO PLACE DECIMAL ±.010		INTERFACE CONTROL DOCUMENT:		
THREE PLACE DECIMAL ±.005		45 WHR BATTERY		
INTERPRET DRAWING PER:		SIZE DWG. NO.		
ASME Y14.100-2004		D CA-002-ICD-01 D		
INTERPRET GEOMETRIC TOLERANCING PER:		SCALE: 2:1		
ASME Y14.5-2009		CAGE CODE: 71UQ8 SHEET 1 OF 2		
ALL SURFACES TO BE		DO NOT SCALE DRAWING		
43				

THIS DEVICE IS ELECTROSTATIC SENSITIVE. HANDLE IN ACCORDANCE WITH ANSI/ESD S20.20

PROPRIETARY AND CONFIDENTIAL



CONNECTOR

REF. DES.	PART NUMBER	MANUFACTURER	DESCRIPTION	REC MATING CONN PN	MATING CONN MANUFACTURER
J1	MWDM2L-21PCBRPT-110	GLENAIR	BATTERY CONNECTOR	MWDM2L-21S-4J5-18L	GLENAIR

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: 1/16 ANGULAR: ±0.5 DEG TWO PLACE DECIMAL: ±0.10 THREE PLACE DECIMAL: ±0.05		NAME G. Roth	DATE 1/18/19	IBEOS TITLE: INTERFACE CONTROL DOCUMENT: 45 WHR BATTERY
DRAWN G. Roth		CHECKED R. ROBERTSON	DATE 1/29/19	
INTERPRET DRAWING PER: ASME Y14.100-2004		COMMENTS:		SIZE DWG. NO. D CA-002-ICD-01
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		ALL SURFACES TO BE <input checked="" type="checkbox"/> FINISHED		REV D
DO NOT SCALE DRAWING		PROPRIETARY AND CONFIDENTIAL		SCALE: 2:1 CAGE CODE: 71UQ8 SHEET 2 OF 2

THIS DEVICE IS ELECTROSTATIC SENSITIVE.  
HANDLE IN ACCORDANCE WITH  
ANSI/ESD S20.20