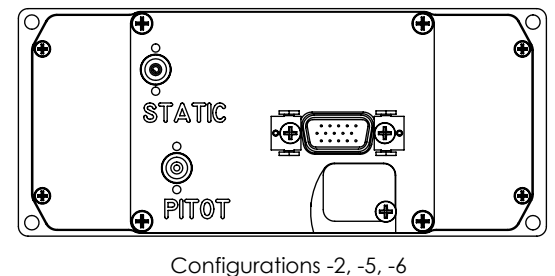
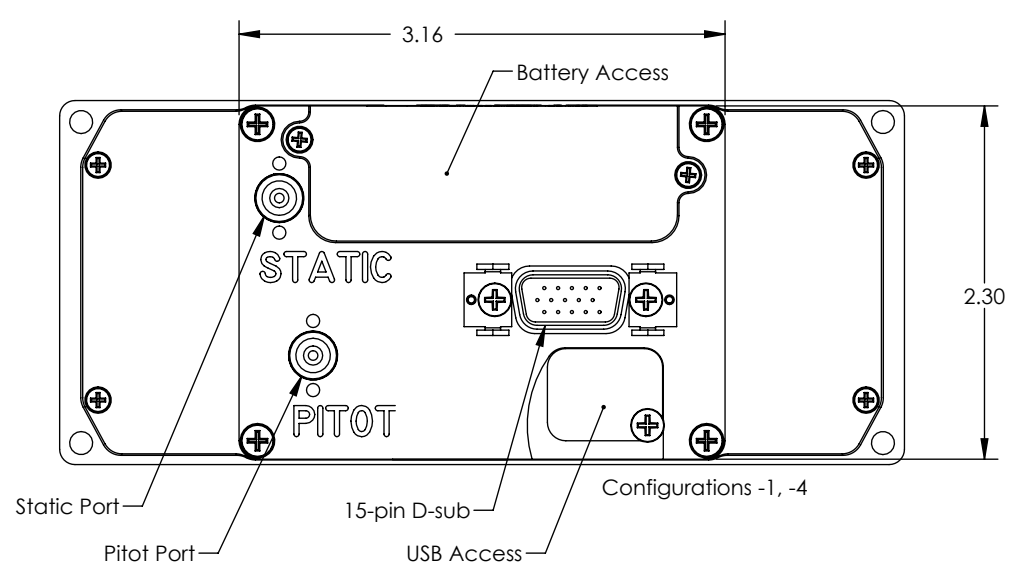
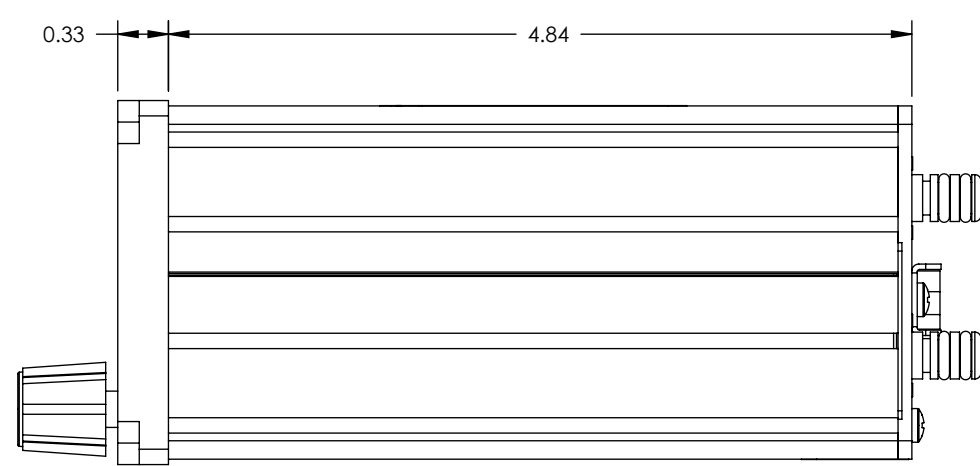
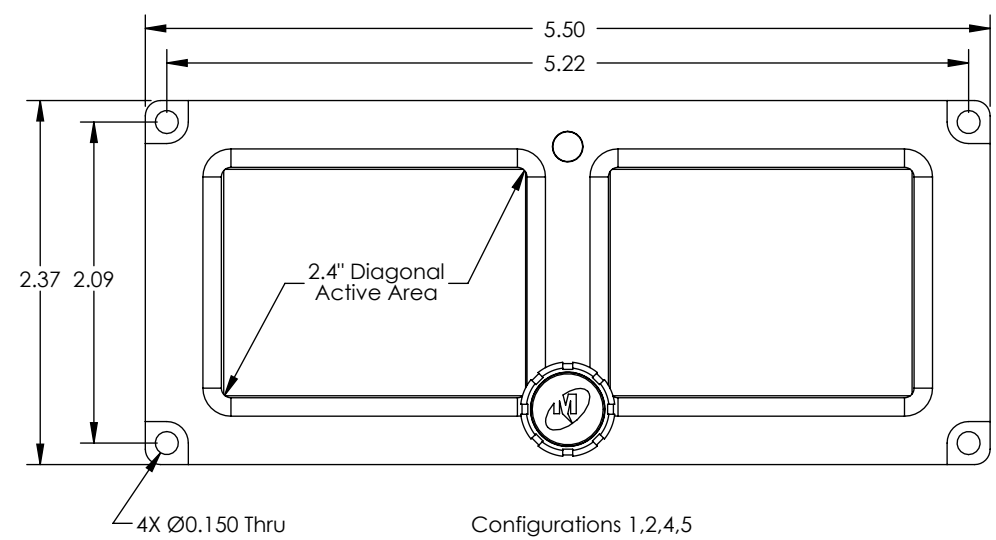


Configuration			
Dash #	Unit Assembly	Bezel	Battery
-1	9017165-1	Black	Yes
-2	9017165-2	Black	No
-3	9017164-3	None	No
-4	9017165-4	Gray	Yes
-5	9017165-5	Gray	No
-6	9017165-6	Black	No

Revision				
ECO	Rev.	Description	Date	Approved
		See Obsolete Drawings for Revision History		
6217	F	Added -3 Configuration	07/08/14	TKV/ScH
6247	G	Added -6 Configuration	09/17/14	TKV/MKN
6375	H	Corrected Connector Pin-Out. (ARINC Out A/B reversed)	04/02/15	BMC/TKV
6388	J	Added Max to unit weight	05/04/15	TKV/RMV



SPECIFICATIONS	
Model	MD302 Standby Attitude Module (SAM®)
Features	Panel-Mounted Solid-State Standby Attitude Module Providing Attitude, Altitude, Airspeed, and Slip with LCD Display and Data Output
Configuration	Installation Options for Panel Tilt, Range Markings, Attitude Appearance, Display Orientation, Altitude/Airspeed Units, Lighting Characterization and Data Output Format
Certifications	FAA TSO-C2d (Type B), C3e, C4c, C10b, C106, C113a, C179a
Qualifications	RTCA DO-178B, Level A RTCA DO-254, Level A RTCA DO-160G (F1)(S2)AB[R(BB1)U(G)]XXXXXXXX(ZXX)AZ(ZC)[WFP[B3H3L3]XXAX
Output	ARINC 429 Information for Attitude, Altitude, and Airspeed
Updates	Field Updates Available Via Download and Installed Using Standard USB Flash Drive
Display	(2) 2.4" QVGA TFT Active Matrix LCDs
Power Input	10-32VDC; 6 Watts Nominal, 25 Watts Maximum
Backup Power	Integrated Rechargeable and Field-Replaceable Battery Provides 1 Hour Minimum of Backup Power (Configurations -1 and -4)
Case/Bezel	Aluminum Extrusion Case With Black Anodized or Gray Painted Bezel
Mating Connector	Installation Kit, MCIAP/n 9017646, Includes: 15-pin D-Sub Configuration Module, Pitot / Static Quick Disconnect Fittings, and Hardware
Installation Manual	Configurations -1, -2, -4, -5, and -6: 9017782 Configuration -3: 9018233
Weight	1.6 lbs (0.71 kg) Max
Modifications	Mod 0: Initial Release Mod 1: Enhanced Environmental Protections

Connector Pinout			
1	+10-32VDC input	8	ARINC Out A
2	Valid Signal Out	9	Reserved
3	ARINC Out B	10	Config Clock
4	Reserved	11	Reserved
5	Config Power	12	ARINC In A
6	Ground	13	ARINC In B
7	Lighting Bus Input	14	Config Data
		15	Config Return

Item	Qty	Part Number	Description
1	1	See Config	Assembly, MD302
2	1	9017790-1	Nameplate, MD302
3	1	6018956	Label, Warranty
4	1	DC-9	Dust Cap, Size 9 D-sub
5	2	VC-312-8	Dust Cap, air ports

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
TOLERANCE:
FRACTIONAL=±1/64
.XX=±0.015
.XXX=±0.005
.XXXX=±0.002
ANGULAR=±0.5°
CONCENTRICITY: 0.005 TIR
BREAK ALL SHARP EDGES
THREADS PER MIL-S-7742

DRAWN:
BAW
9/21/2012

APPROVED:
MKN
10/4/2012

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INSTRUMENTS+AVIONICS

TITLE:
Standby Attitude Module, MD302

PART NUMBER:
6420302

SCALE: 4:5 DO NOT SCALE THIS DRAWING SHEET: 1 of 1