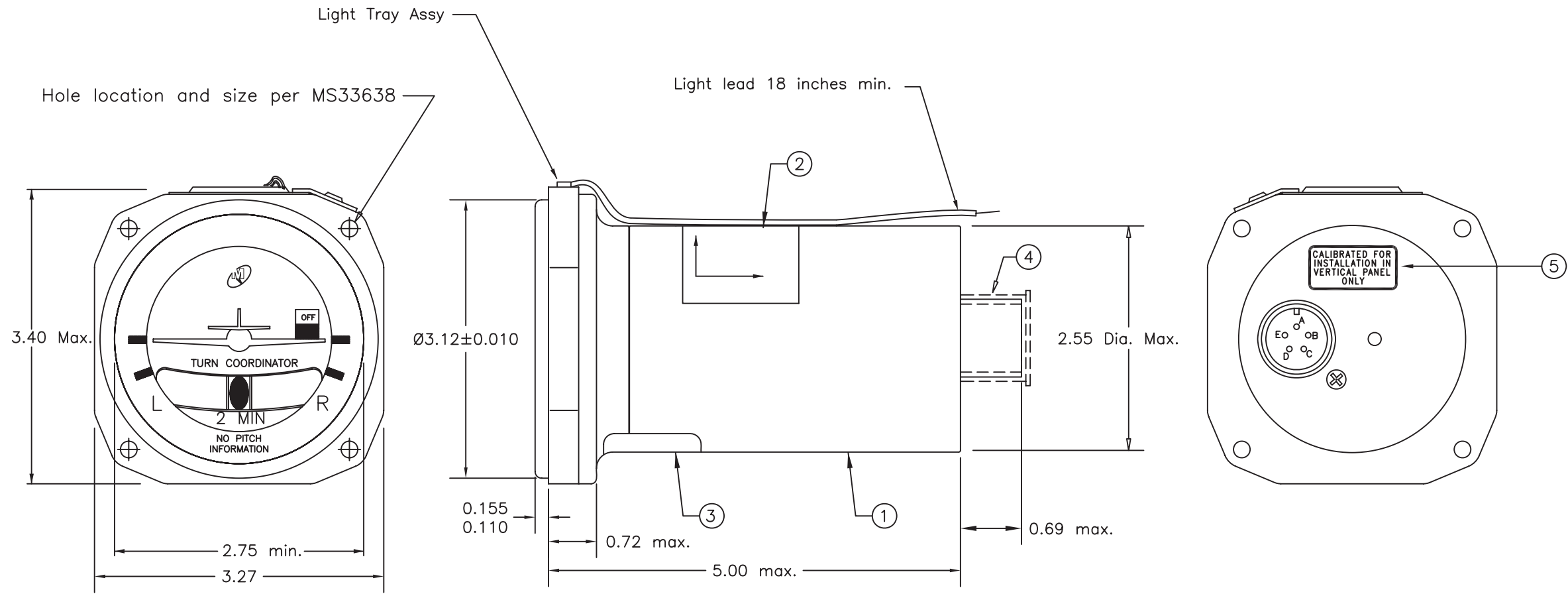


Revisions				
ECO	Rev.	Description	Date	Approved
	A	Initial release. See 1394T100-12RA for unit history.	4/17/06	BAW/ScH
4643	B	Turn Coordinator Assembly p/n was 1394560-12RB.	6/19/06	BAW/ScH
4652	C	Add blue callout for "D.C. ELEC" in Note 2.	6/28/06	BAW/MCH
5037	D	Add "M" logo and delete "D.C. ELEC." Note 2: Delete part referencing D.C. Elec.	6/3/08	MKN/ScH

Logo and company name have been changed in title block only. No functional or technical changes have been made. Revision remains unchanged.



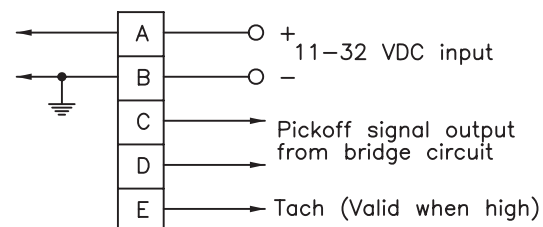
Notes:

- Case and bezel are black.
- Appearance:
 - Background: Black per FED-STD-595 color #37038
 - Markings: White per FED-STD-595 color #37875 except
 - Text: Universal Bold font, condensed by 0.004".
 - 0.080" high: "TURN COORDINATOR", "NO PITCH INFORMATION"
 - 0.120" high: "2 MIN"
 - 0.160" high: "L", "R"
 - Index Marks: 0.200" x 0.080"
- Conforms to FAA-TSO C3b.
- Cover glass is anti-reflective coated (HEA).
- Lighting: 28 volt lamps with blue/white filtering. Externally replacable light tray.
- #MS3102A14S-5P connector (Mates with MS3106A14S-5S plug)
- Instrument must be mounted in a panel that is within 5° of vertical, perpendicular within 5° to the longitudinal flight axis, and parallel within 5° to the lateral flight axis.
- Inclinometer contains 0.300" diameter dark grey (FED-STD-595B color #26081 or darker) ball in a liquid-filled tube with white background.
- Functional test with 100K ohm resistor across pins C & D per TDS315.
- Split red/black flag shows black while unit is operating normally.

Specifications:

Power: Rated: 14-28 VDC
 Limits: 11 to 32 VDC
 Current: Running: 0.80A max.
 Starting: 0.90A max.
 Weight: 1.4 lbs.
 Output: Autopilot: 0-1.6VDC
 Tach: High (>9VDC)
 Low (<1.2VDC)

Connector Pinout



Item	Qty	Part Number	Description
1	1	9016353-7	Turn Coordinator Assembly
2	1	1394256-4	Nameplate
3	1	6018956	Warranty Label
4	1	8012486-14	Cover, Electrical Connector
5	1	1394515	Label, Vertical panel

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: S. Haines
 2/22/06
 APPROVED: BAW
 2/22/06

This document discloses proprietary information of Mid-Continent Instrument Co. It may be reproduced or disclosed only with written permission of Mid-Continent Instrument Co. and is not to be used in any way detrimental to the interests of Mid-Continent Instrument Co.

MidContinent
 INSTRUMENTS+AVIONICS

TITLE: TURN COORDINATOR, BRUSHLESS, A/P OUTPUT
 PART NUMBER: 1394T100-12RB

SCALE: None DO NOT SCALE THIS DRAWING SHEET 1 of 1