

Eaton Hydraulics, Inc.  
7945 Wallace Road  
Eden Prairie, MN 55344

Page 1 of 4

**Subject: Wireless Sensor antenna Info**

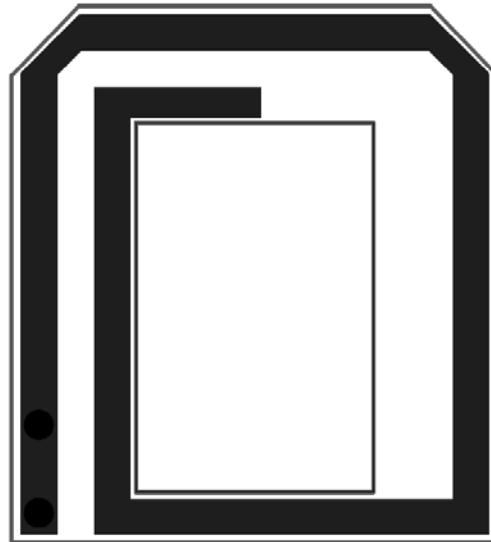
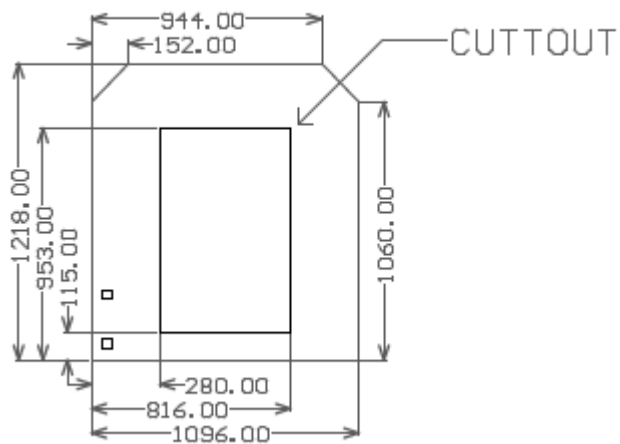
### Antenna Schematic



### Fab Drawing

#### NOTES:

1. GOVERNING SPECIFICATIONS TO BE IPC-A-6006, CLASS 2, UNLESS SPECIFIED.
2. MATERIAL: NEMA GRADE FR4, 0.5 OZ. COPPER ALL LAYERS.
3. ALL HOLES ARE PLATED THROUGH UNLESS OTHERWISE SPECIFIED.
4. FABRICATE THE TOP AND BOTTOM LAYERS OF THE BOARD USING TOP AND BOTTOM FILMS.
5. PCB FINISH IS TO BE WHITE TIN.
6. FINISHED BOARD THICKNESS IS 0.031+/-0.003.



Notice to persons receiving this drawing and/or technical information.

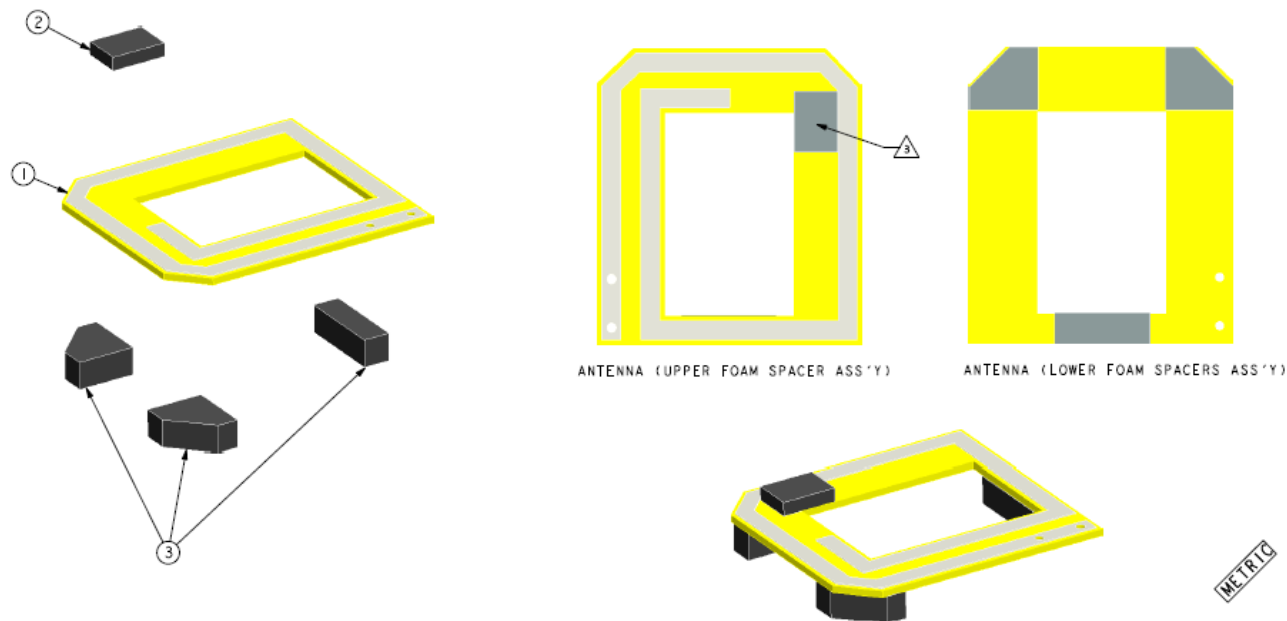
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Page 2 of 4

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**Antenna Assembly:**



⚠ INSTALL UPPER FOAM SPACER OUTSIDE OF TRACE OUTLINE AS SHOWN.

2. FOAM SPACERS SHOULD BE ASSEMBLED TO ANTENNA WITH ADHESIVE BACKED SIDE TO ANTENNA FACE AS SHOWN.

1. DIMENSIONS ARE IN MILLIMETERS [INCHES].

1	NEMA GRADE FR4, 0.5 OZ
2	PORON- URETHANE
3	PORON- URETHANE

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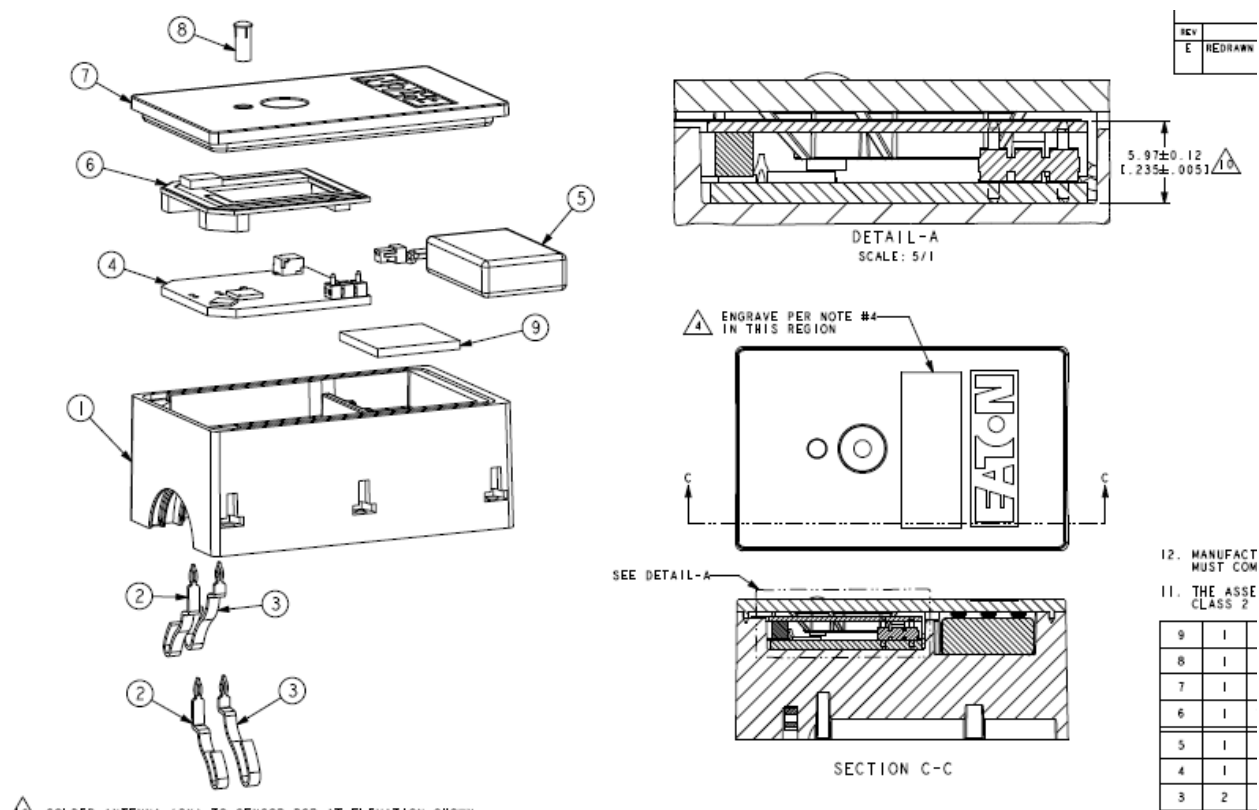
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Page 3 of 4

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**Sensor Assembly and Antenna Mount:**



9	1	FOAM SPACER
8	1	BIVAR LED LIGHT PIPE
7	1	UNIVERSAL SHELL COVER
6	1	SENSOR ANTENNA ASSEMBLY
5	1	BATTERY WITH CONNECTOR
4	1	PCB ASSEMBLY
3	2	SOCKET SIDE CONTACTS
2	2	HEX SIDE CONTACTS
1	1	SHELL- UPPER HALF
ITEM NO.	QTY REQ'D	DESCRIPTION

LIST OF MAT

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Page 4 of 4

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### Antenna Installed in Sensor



The effective gain of the assembled antenna is -6.23dBi

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