

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

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Subject: Wireless Sensor antenna Info

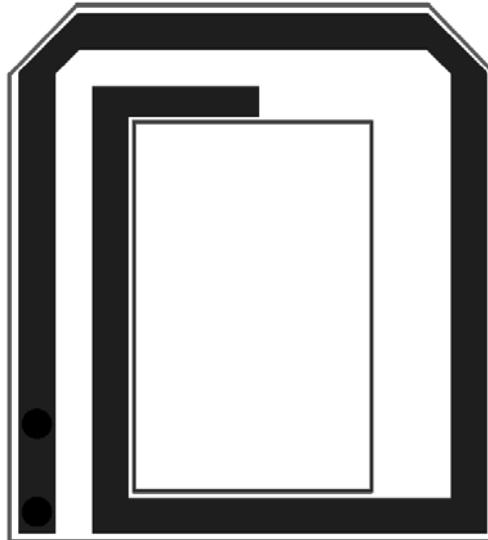
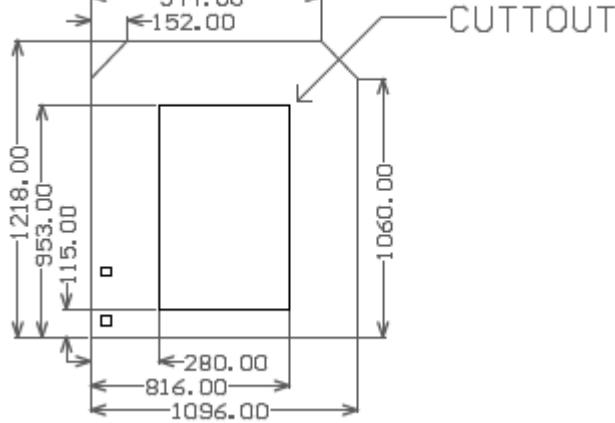
Antenna Schematic



Fab Drawing

NOTES:

1. GOVERNING SPECIFICATIONS TO BE IPC-A-600G, 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+/- .003.



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

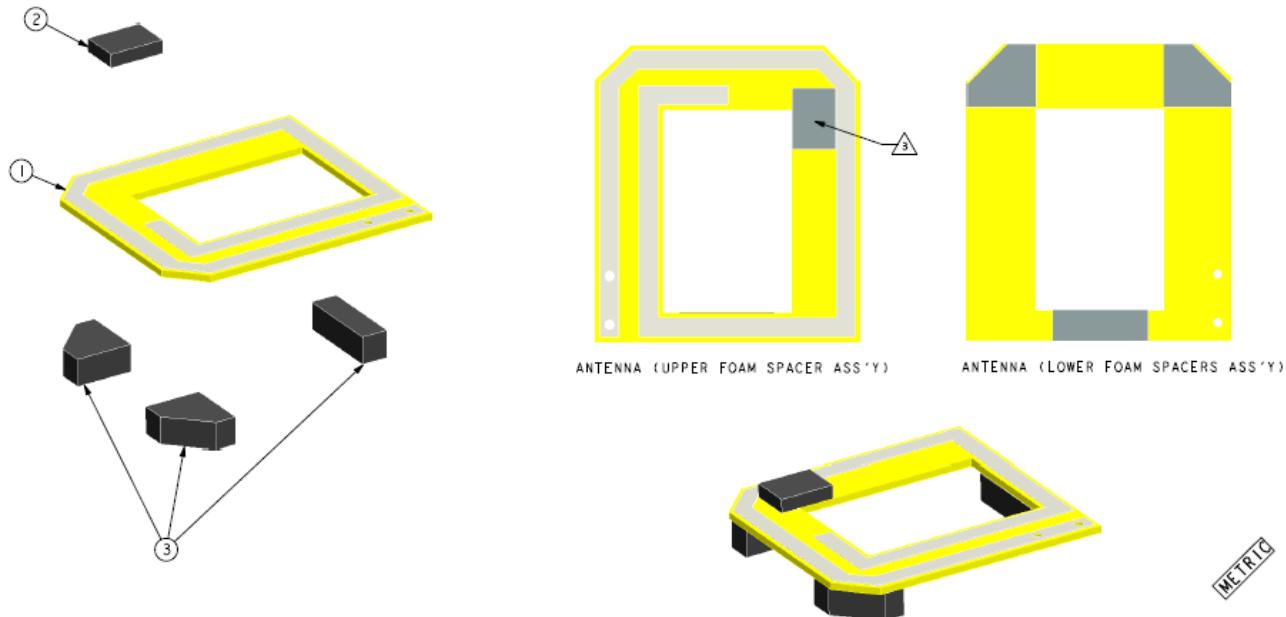
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Antenna Assembly:



3 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

2

3

NEMA GRADE FR4, 0.5 OZ

PORON- URETHANE

PORON- URETHANE

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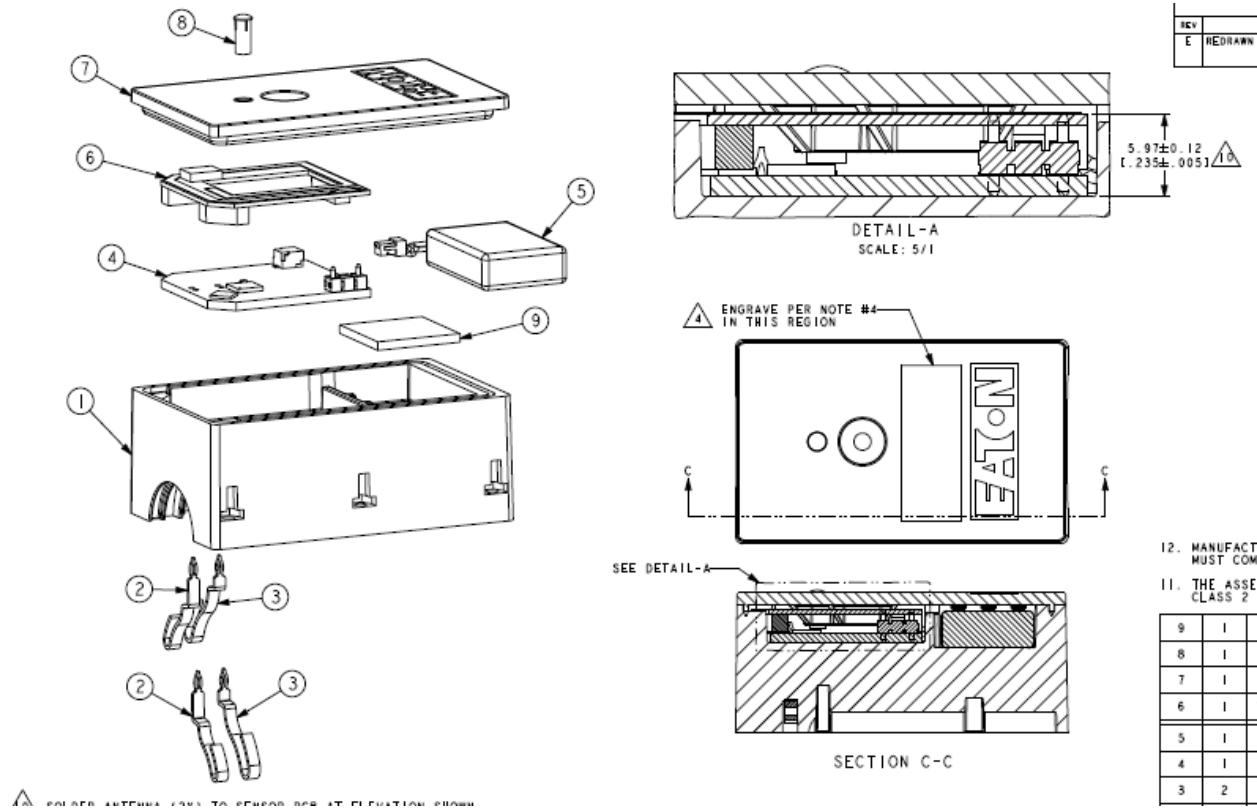
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Sensor Assembly and Antenna Mount:



ITEM NO.	QTY REQ'D	DESCRIPTION
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

LIST OF MATERIALS

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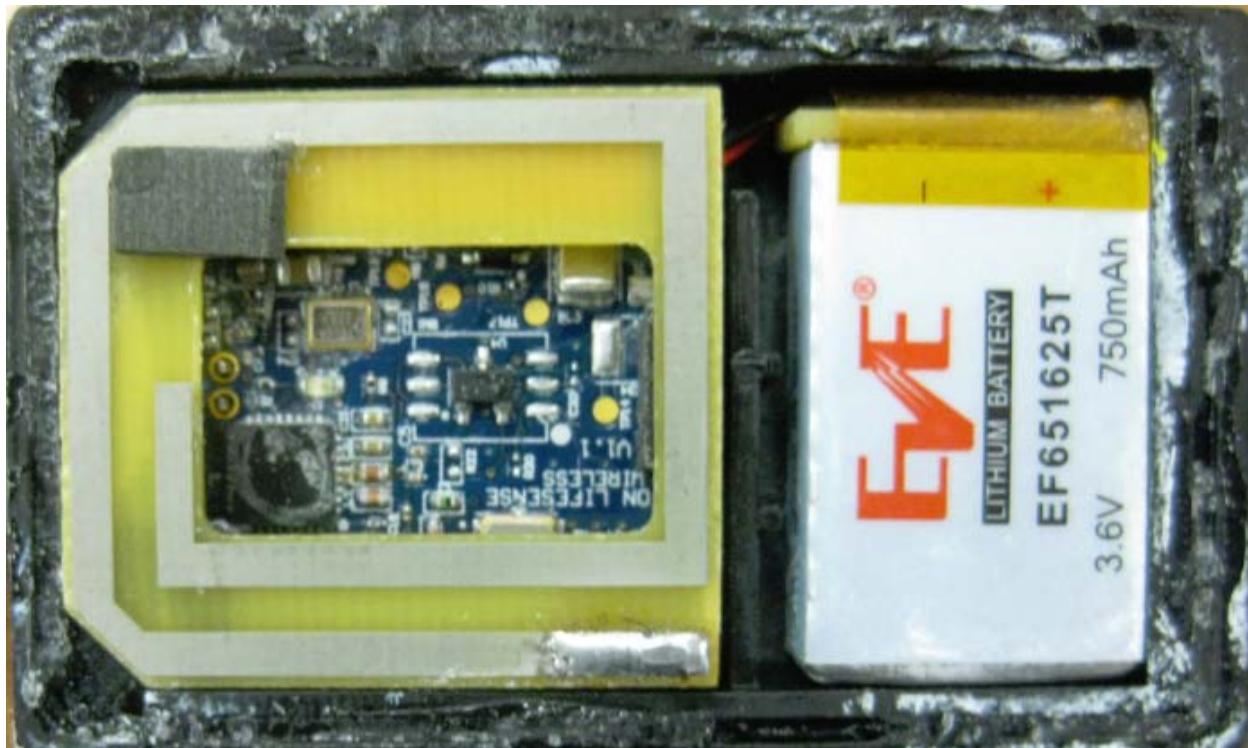
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Antenna Installed in Sensor



The effective gain of the assembled antenna is -6.23dBi

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