

ETERNA (TM) CASTELLATED MOTE WITH CHIP ANTENNA

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Notes:

1. Assembly Options:
 - 1.a) X1 & X5: installed crystals (32kHz and 20 MHz resp.)
 - 1.b) R12 TCK termination not installed
 - 1.c) Battery holder not installed
 - 1.d) Accelerometer not installed
 - 1.e) 1/4 Wave stub disconnected

2. Associated Documents



PCB FAB
600-0167 REV3



BOM
700-0202 REV3



ASY DWG
705-0167 REV3

Revision History:

Rev	Description	ECO	Author
01	Initial release Based on 700-0167 rev3 using LTC5800IWR-WHMA	1180	CN
02	Update U1 p/n (documentation only, not a functional change)	1214	CN
03	Change 32kHz & 20MHz XTAL	1394	RMP



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CUSTOMER NOTICE

LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND IS SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

CONTRACT NO.

APPROVALS

DRAWN:

CHECKED:

APPROVED:

ENGINEER:

DESIGNER:



Linear Technology Corporation

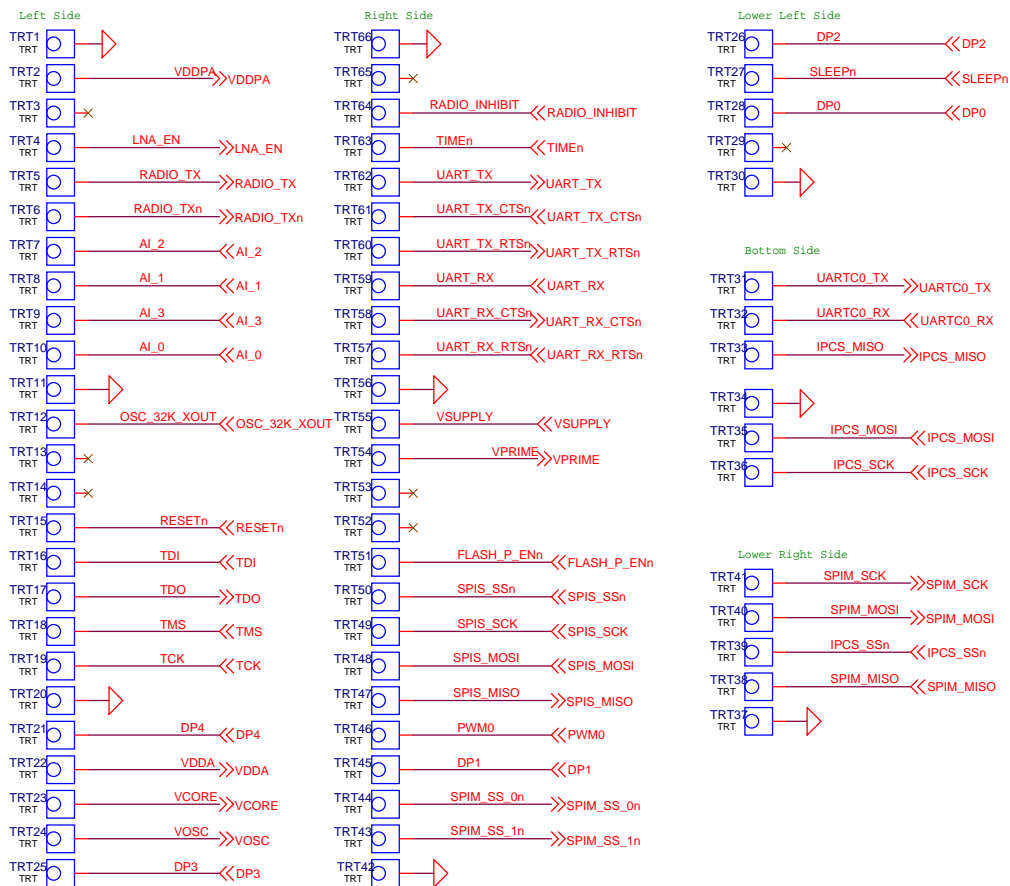
1630 McCarthy Blvd. Phone: (408)432-1900
Milpitas, CA 95035 Fax: (408)434-0507

TITLE: LTP5901IPC-WHMA
PCA SCH, ETERNA CASTELLATED WH MOTE, RUSSIAN

SIZE A DWG NO. 710-0202 REV 03

DATE: Wednesday, July 29, 2015 SHEET 1 OF 4

CASTELLATIONS




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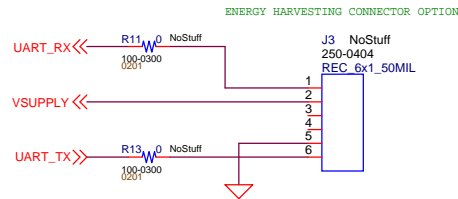
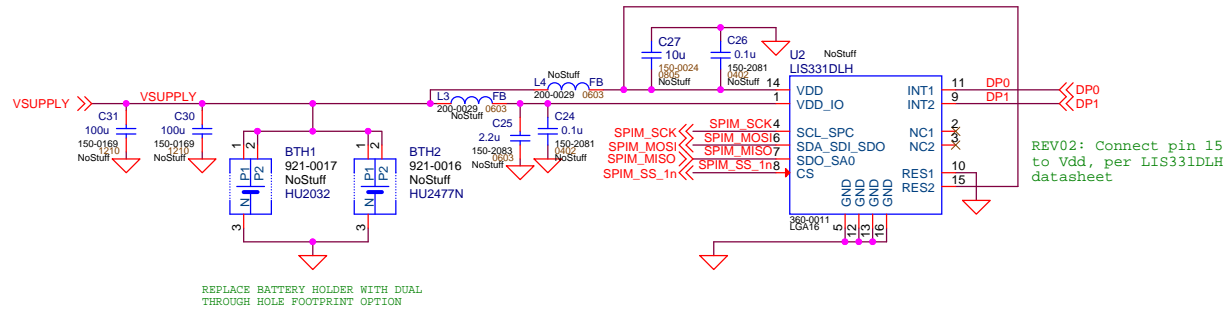
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ENGINEER:				
DESIGNER:		SIZE A	DWG NO. 710-0202	REV 03
DATE: Tuesday, July 28, 2015		SHEET 3 OF 4		


BATTERY HOLDER & ACCELEROMETER OPTIONS



PLACE R11, R13 & J3 ON BOTTOM, MAY INTERFERE WITH BATTERY HOLDER.
J3 SHROUD SHALL PROTRUDE FROM EDGE OF BOARD OPPOSITE TO CHIP ANTENNA.
PLACE R11 and R13 NEAR U1 TO MINIMIZE UART_RX AND UART_TX NET LENGTH.



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