




ETERNA (TM) Evaluation and Development Board

Content:

- 1. Title Page
- 2. Eterna Manager-on-a-Chip
- 3. Connectors, Visual Indicators and Power


Notes:

- 1. Assembly Options:
  - 1.a) With CR3022 battery holder (no CR2477)
  - 1.b) Without Mictor connector
  - 1.c) Without Address line ferrite filters
  - 1.d) With LE pulse gen circuits
- 2. Associated Documents
  -  **BOM**  
700-0191 Rev4
  -  **ASY DWG**  
705-0191 Rev2
  -  **PCB FAB**  
600-0191 Rev2

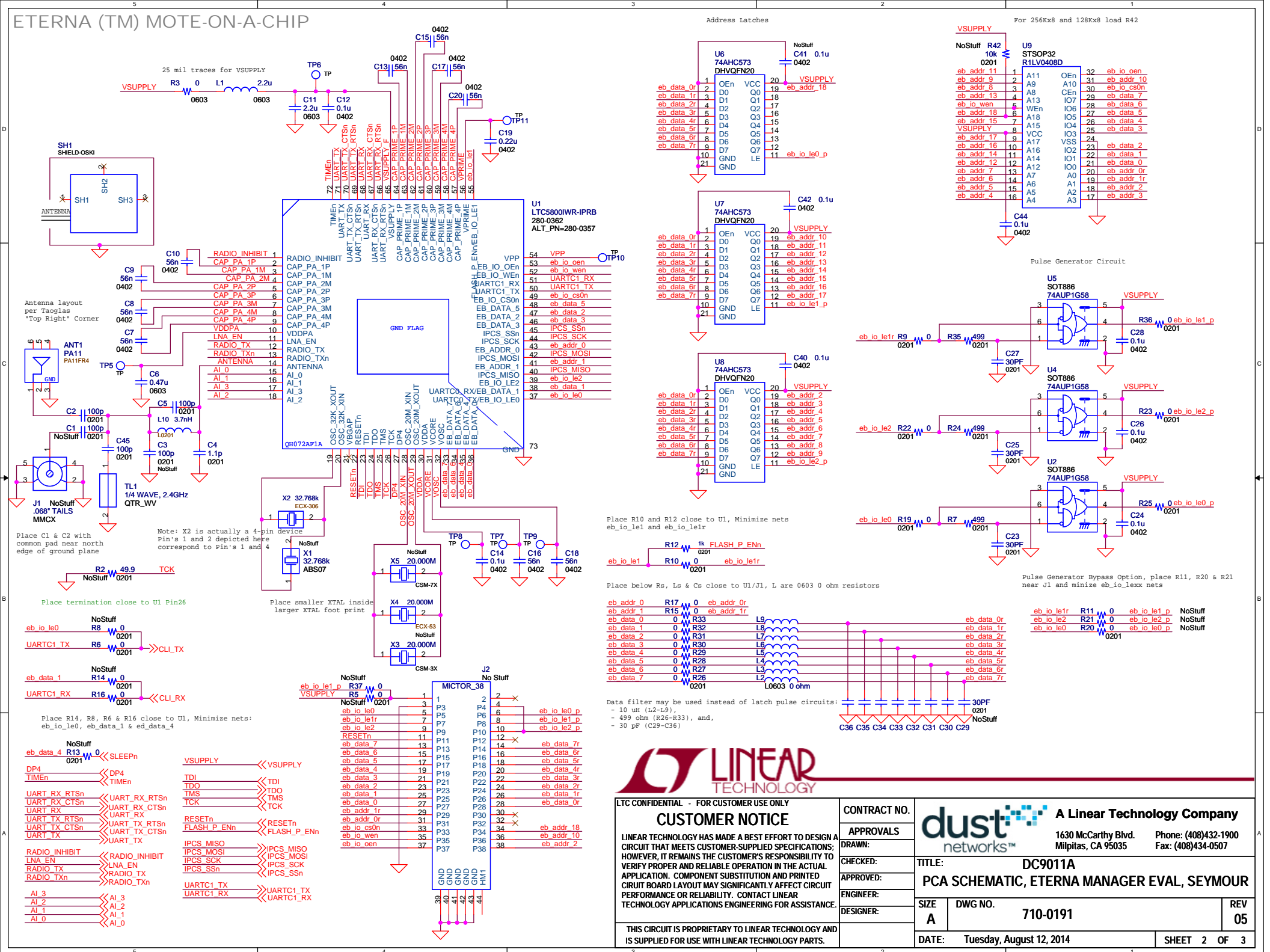
Revision History:

Rev	Description	ECO	Author
01	Initial release Mote evaluation & development board, featuring: <ul style="list-style-type: none"><li>- ETERNA Manager-on-a-Chip</li><li>- SRAM options up to 512k x 8-bit</li><li>- Battery holders loading option (CR2477 or CR3022)</li><li>- Fractus chip antenna</li><li>- Power switch, reset button, GPIO &amp; LED</li><li>- Address lines delay filters option</li><li>- Latch signal pulse generator circuit option</li></ul>	1141	CN
02	PIFA chip antenna, Updated LED footprint	1174	CN
03	Update U1 part number	1235	CN
04	Update LTC5800IWR-IPRB symbol, clean lib	1309	RMP
05	Replace L10, stuff C4 to improve the performance of PA11 antenna.	1401	KL



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<b>CUSTOMER NOTICE</b>  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.		APPROVALS		1630 McCarthy Blvd. Phone: (408)432-1900 Milpitas, CA 95035 Fax: (408)434-0507			
		DRAWN:		<b>TITLE: DC9011A</b> <b>PCA SCHEMATIC, ETERNA MANAGER EVAL, SEYMOUR</b>			
		CHECKED:					
		APPROVED:					
		ENGINEER:					
DESIGNER:		SIZE <b>A</b>		DWG NO. <b>710-0191</b>		REV <b>05</b>	
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND IS SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		DATE: <b>Tuesday, August 12, 2014</b>		SHEET <b>1</b> OF <b>3</b>			

ETERNA (TM) MOTE-ON-A-CHIP




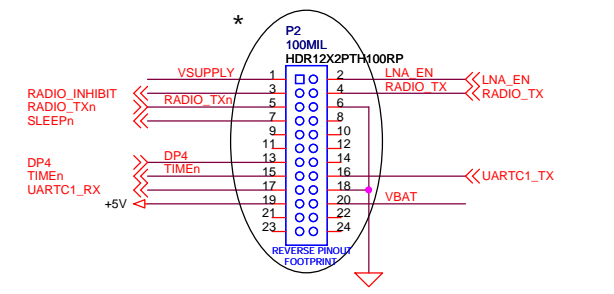
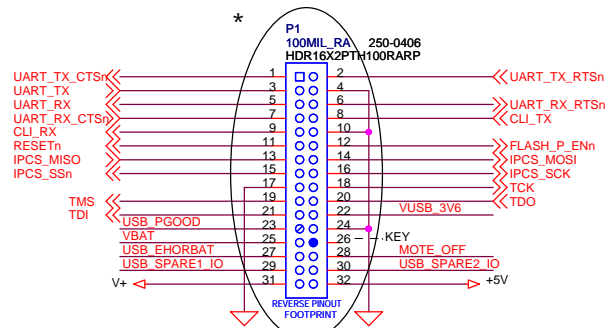
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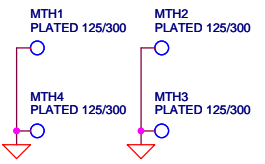
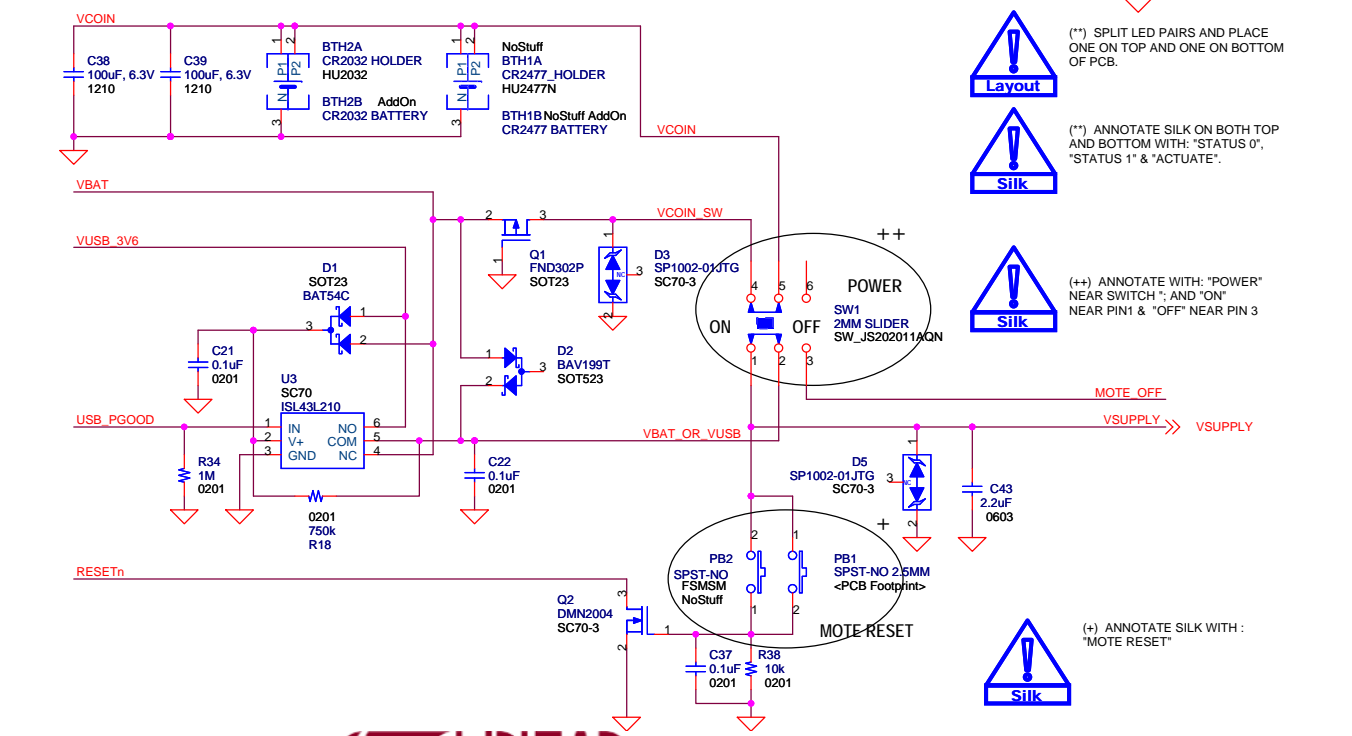
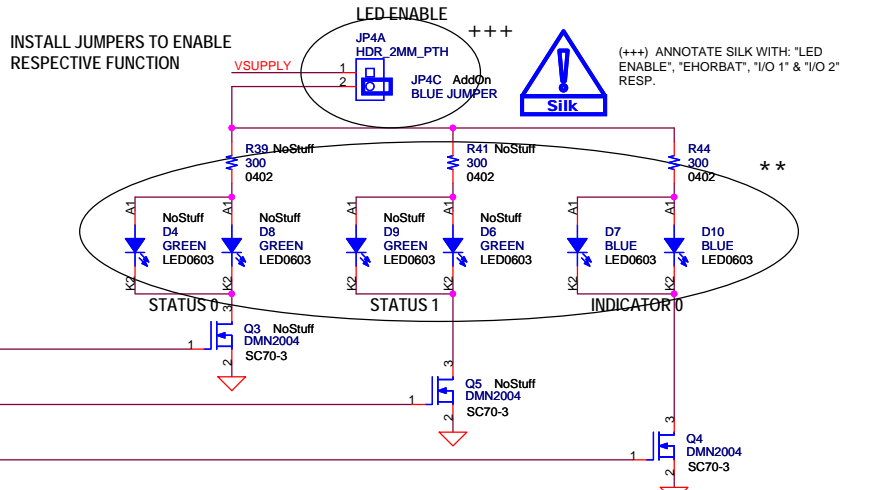
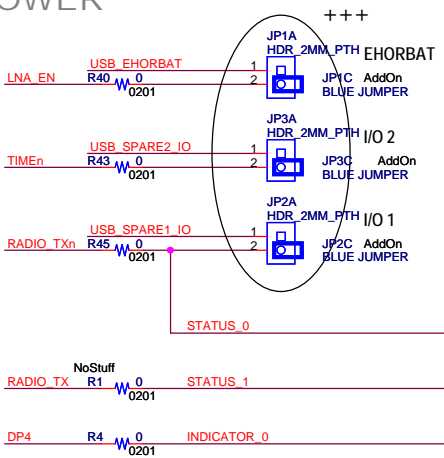
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APPROVALS				Milpitas, CA 95035		Fax: (408)434-0507		
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		DATE: <b>Tuesday, August 12, 2014</b>				SHEET <b>2</b> OF <b>3</b>		




(\*) (2x) ANNOTATE TOP SILK WITH SIGNAL NAMES (SEE SEPARATE INSTRUCTIONS FOR DETAILS)



(\*) (2x) PLACE HEADERS ON BOTTOM (SEE SEPARATE INSTRUCTIONS FOR DETAILS)



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