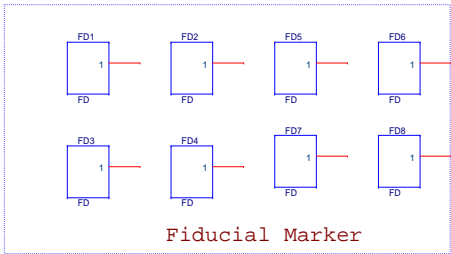
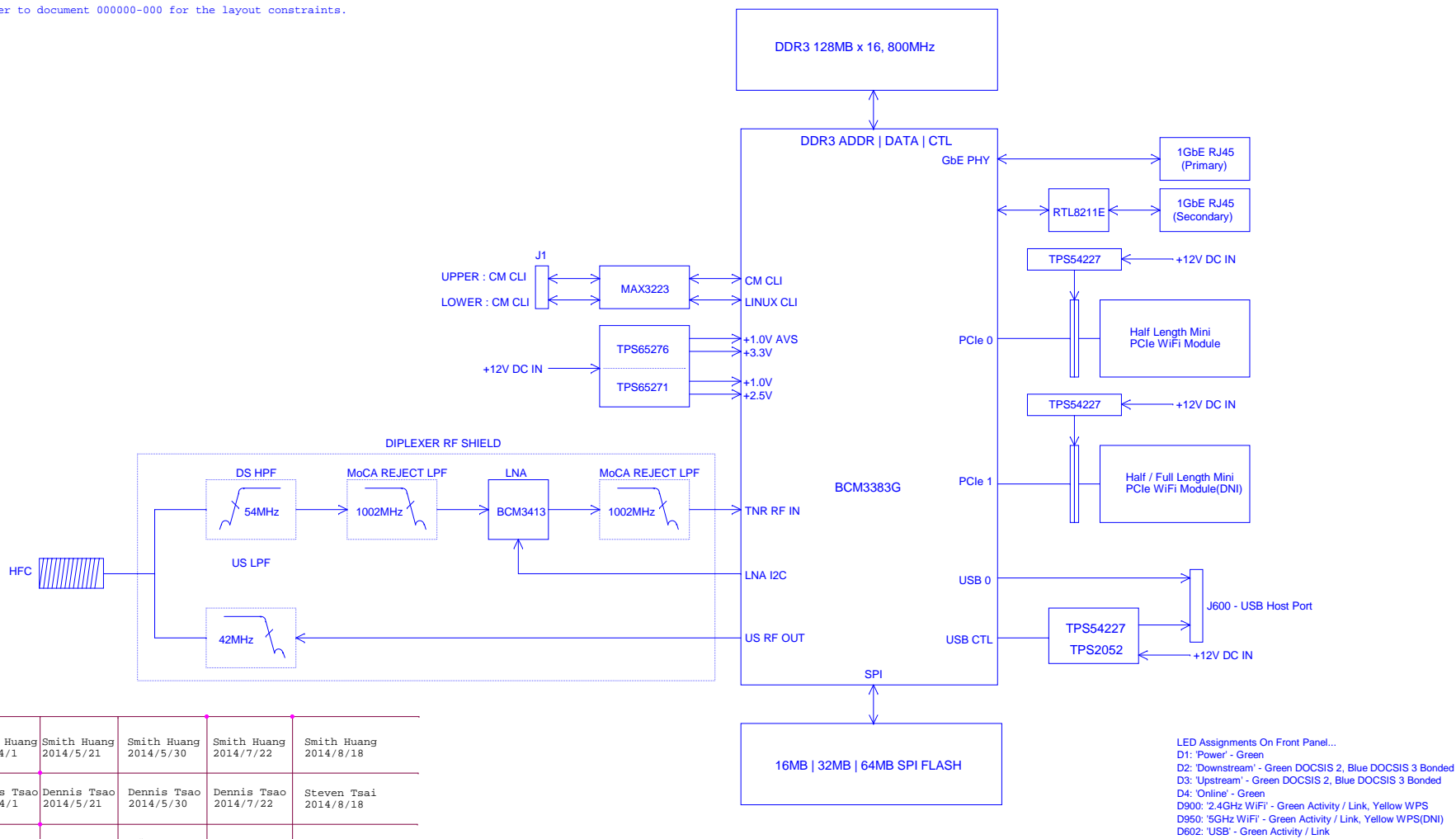


SBG6400 DOCSIS 3.0 8x4 Full Capture Bandwidth Cable Modem Gateway Schematic

Notes:

1. All resistors and capacitors are 0402 unless noted otherwise.
2. The DOCSIS 3.0 US/DS Diplexer, and the LNA section shall be placed inside a one piece RF shield.
3. The PWB shall be no more than 4 layers.
4. Exact component placement and routing for the BCM3383G and BCM3413 per the Broadcom design guide and reference design must be followed.
5. Refer to document 000000-000 for the layout constraints.



Revision	ECN Number	Description	APPD	INCCRP
A	EB-09415	The Rev 1 for SBG6400 (based on SBG6700-AC)	Smith Huang 2014/4/1	Dennis Tsao 2014/4/1
B	EB-09473	DNI R65/R74/R77/R78 update U2 part number	Smith Huang 2014/5/21	Dennis Tsao 2014/5/21
C	EB-09468	To correct double release schematic error, no any change in the schematic.	Smith Huang 2014/5/30	Dennis Tsao 2014/5/30
D	EB-09626	Put R134/R135 back for PCIE_CLKREQn/PCIE_RSTn	Smith Huang 2014/7/22	Dennis Tsao 2014/7/22
E	EB-09719	Changed R706/R72 from 47.5 ohm (AREC05787) to 150 ohm (AREC05528) to reduce LED brightness to 52%. Changed D1kD4 to Harvek (TG1691DYG (20C11001)) for Retain only.	Smith Huang 2014/8/18	Steven Tsai 2014/8/18

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