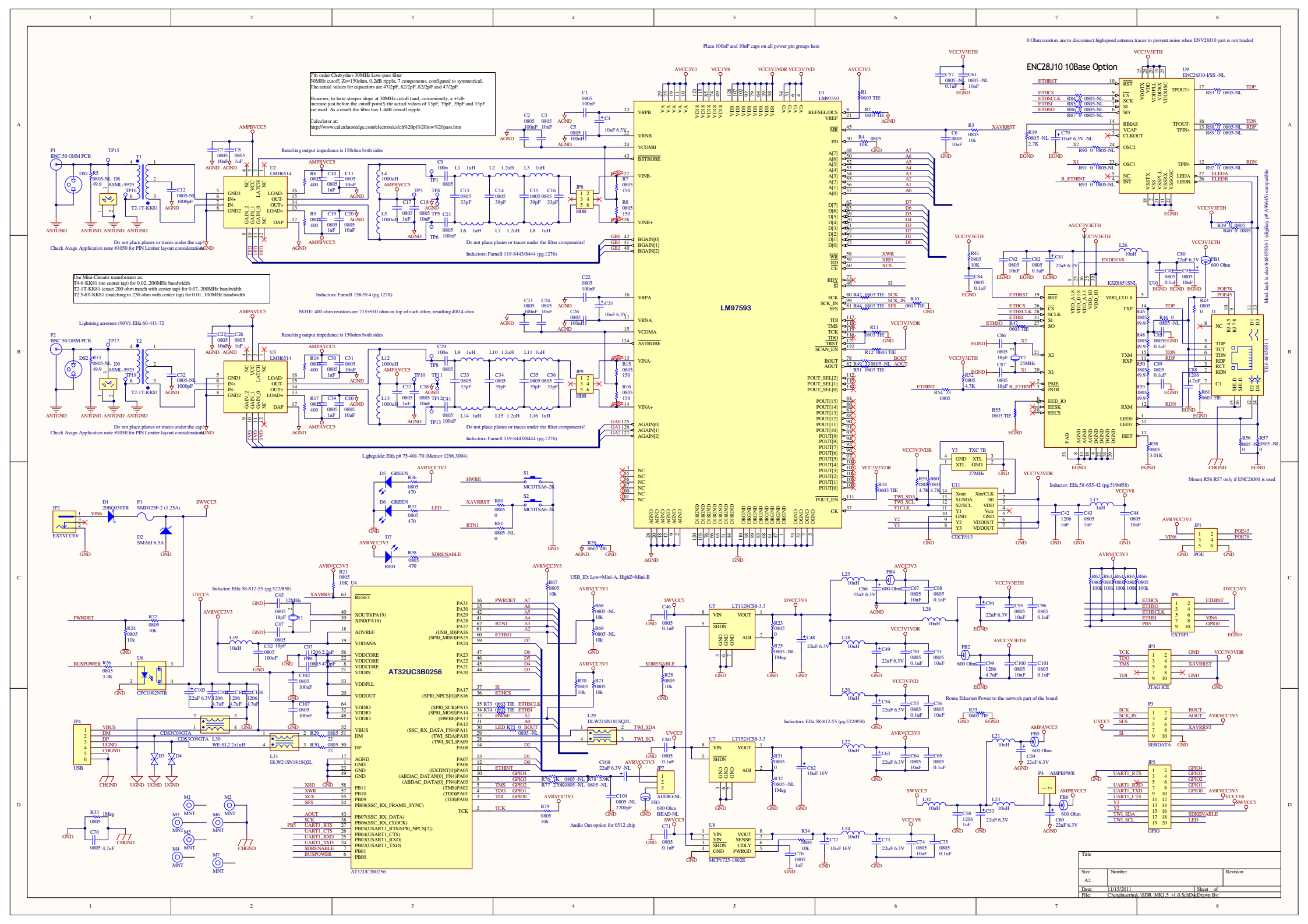
ENC28J10 10Base Option
LM97593
AT32UC3B0256
Place 100nF and 10nF caps on all power pin groups here
0 Ohm resistors are to disconnect highspeed antenna traces to prevent noise when ENV28J10 part is not loaded
7th order Chebyshev 30MHz Low-pass filter
Use Mini-Circuits transformers as:
Lightning arresters (90V): Elfa 60-411-72
Lightguide: Elfa p# 75-401-70 (Mentor 1296.3004)
Inductor: Elfa 58-812-55 (pg.522/#58)
Inductors: Elfa 58-812-55 (pg.522/#58)
Inductor: Elfa 58-655-42 (pg.519/#58)
Route Ethernet Power to the network part of the board
Audio Out option for 0512 chip
USB_ID: Low=Mini-A, HighZ=Mini-B
Mount R56 R57 only if ENC28J60 is used
Mod. Jack is also 6-606583-4+1 (digikey p# A39645) compatible
Title
Size
A2
Number
Revision
Date:
11/15/2011
Sheet of
File:
C:\engineering\...\SDR_MK1.5_v1.0.SchDoc
Drawn By: