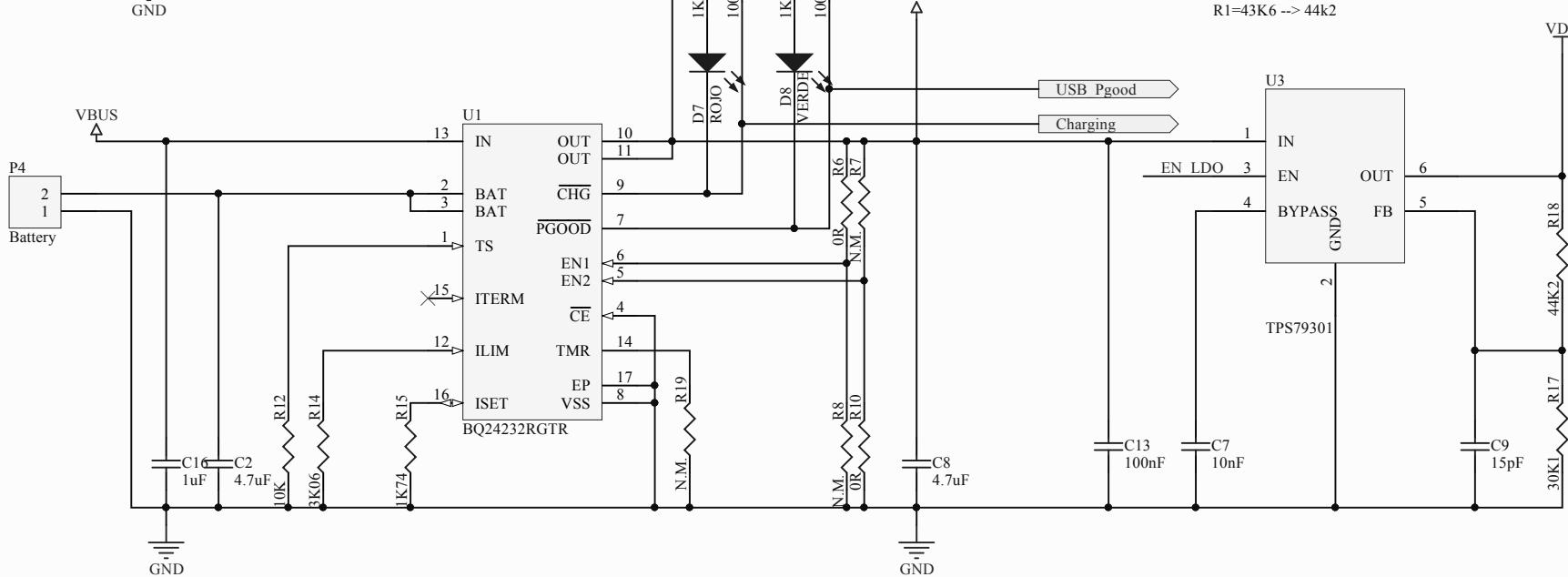


$$R1 = \left(\frac{V_O}{V_{ref}} - 1 \right) \times R2$$

$$R1 = (V_o / 1.2246 - 1) * R2 = (3 / 1.2246 - 1) * R2 = 1.45 * R2$$

R2=30K1
R1=43K6 \Rightarrow 44k2



EN2	EN1	Maximum input current into IN pin
0	0	100 mA. USB100 mode
0	1	500 mA. USB500 mode
1	0	Set by an external resistor from ILIM to VSS
1	1	Standby (USB suspend mode)

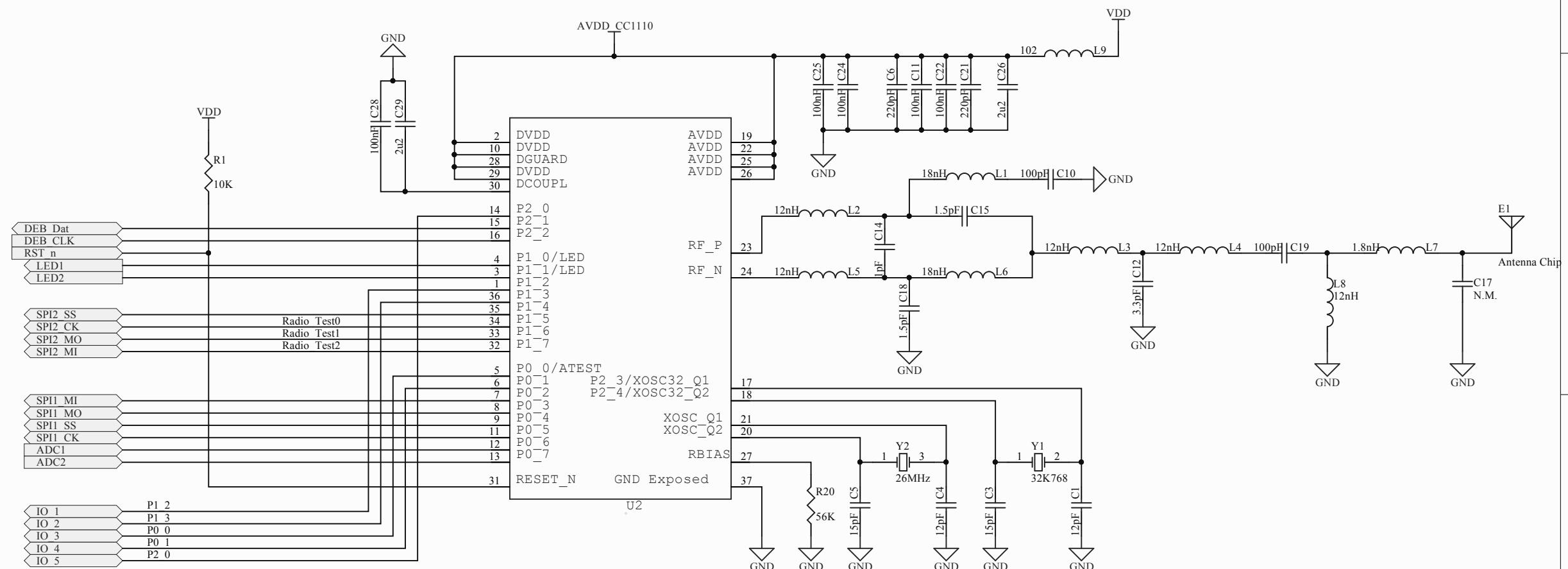
$$I_{in_max} = 1530 / R_{ilim} = 1530 / 3060 = 0.5A$$

$$I_{chg_max} = 870 / R_{iset} = 870 / 1740 = 0.05A$$

Title		
Size	Number	Revision
A4		
Date:	27/12/2014	Sheet of
File:	D:\Work\mdap\Altium\MDAP\Alim.Sch	Drawn By:

A

A



B

B

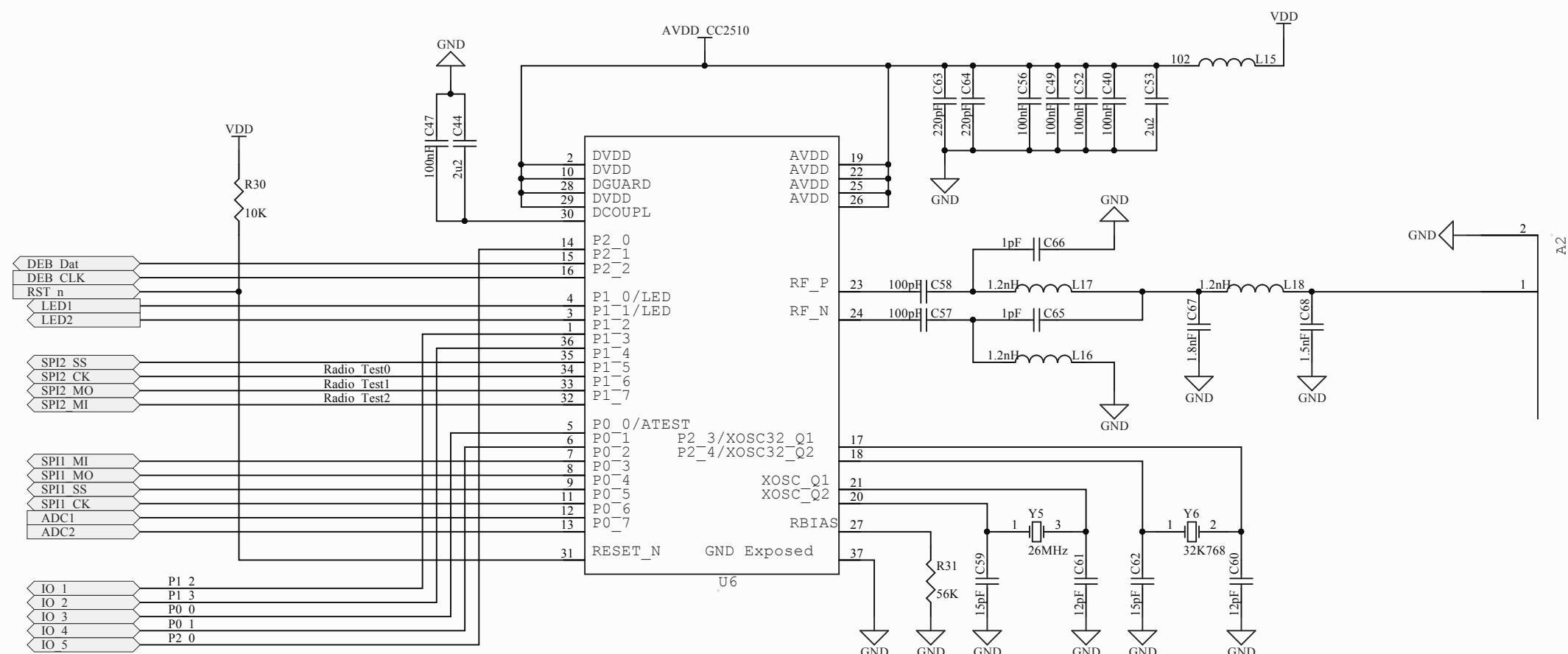
C

C

D

D

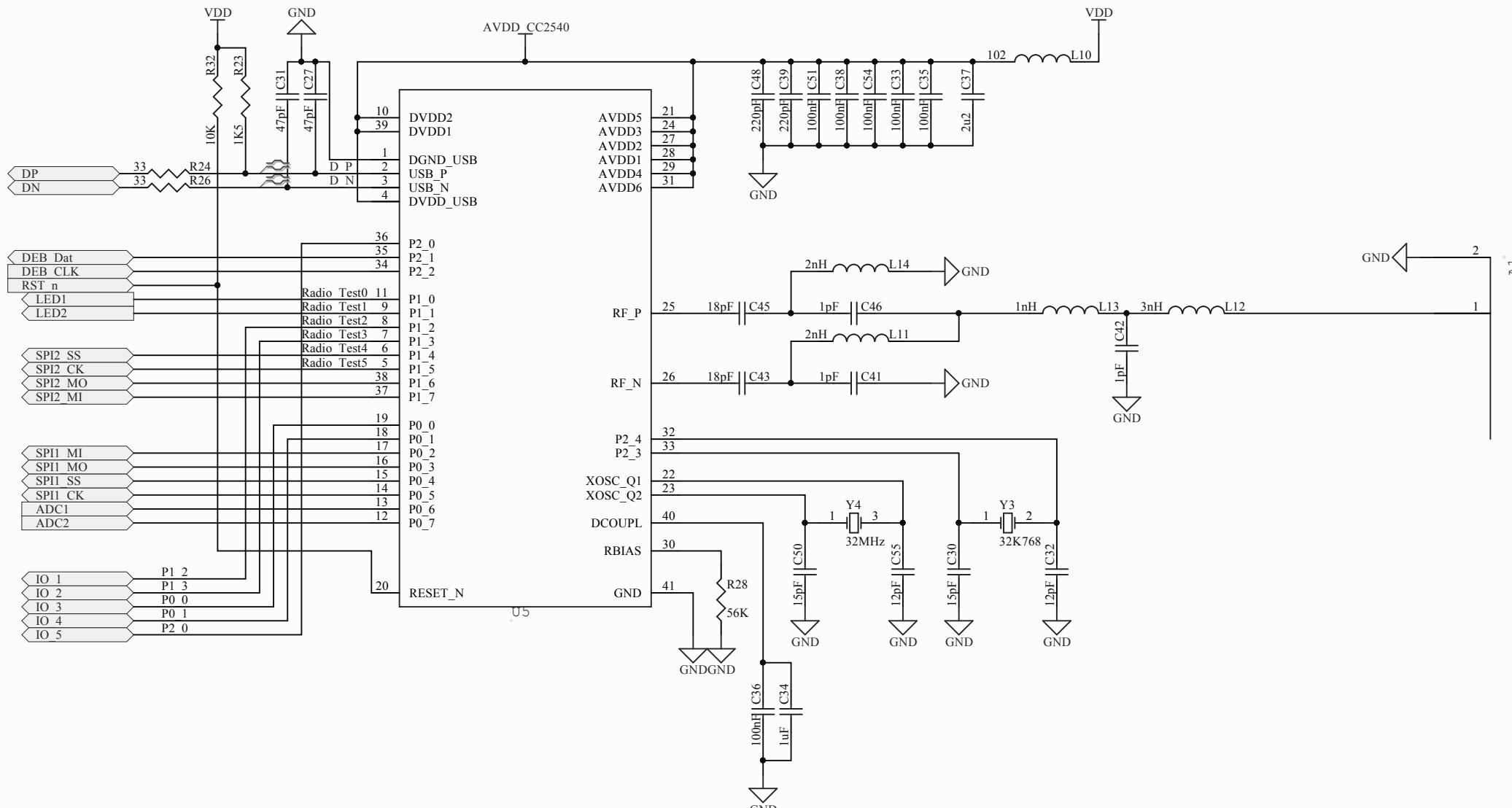
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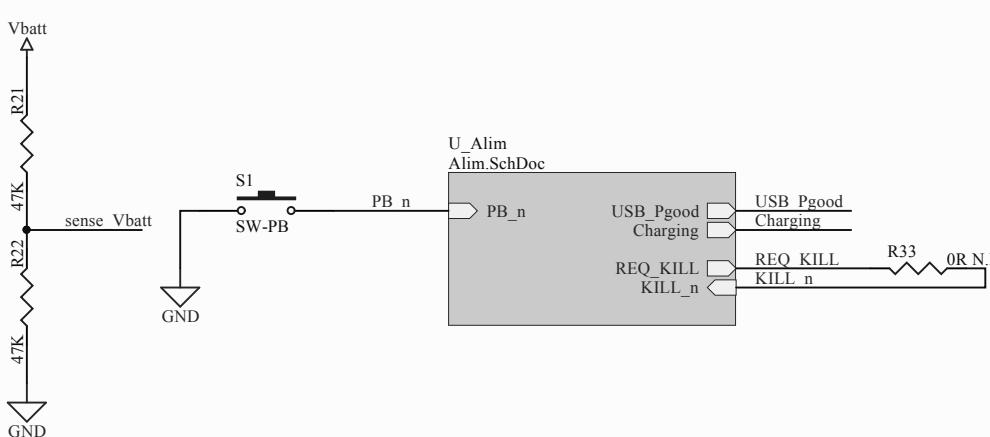
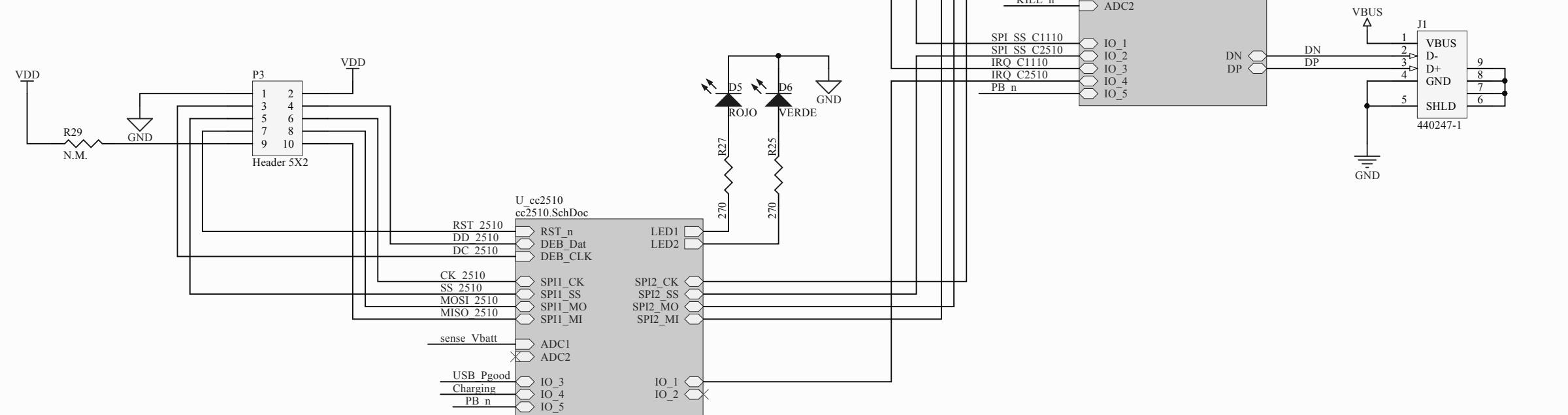
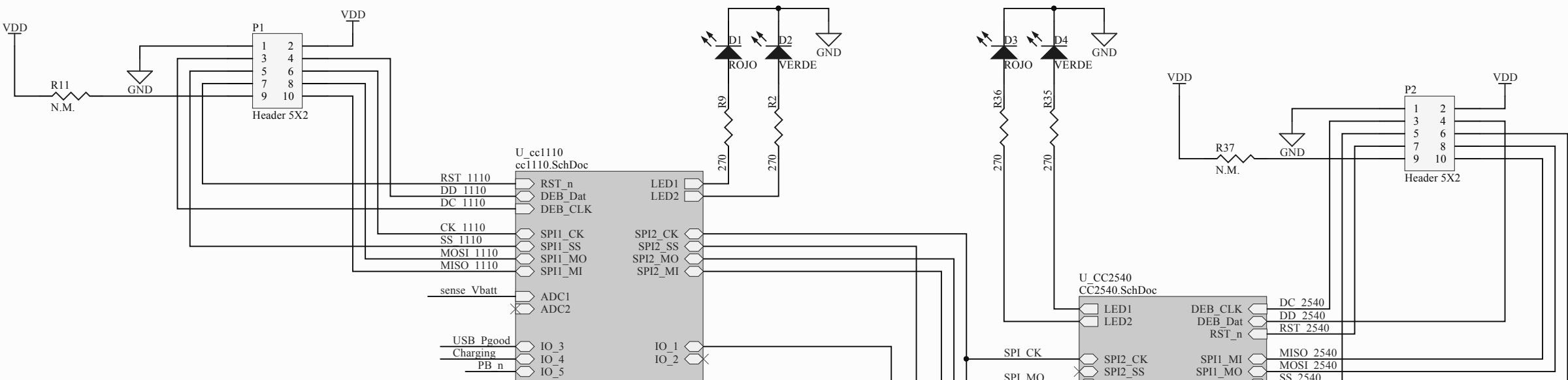


Differential Pairs Routing [Pref Gap = 14mil Min Gap = 10mil Max Gap = 14milPref Width = 12mil Min Width = 10mil Max Width = 12mil]



Title

Size	Number	Revision
A4		
Date: 27/12/2014	Sheet of	
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Title		
Size	Number	Revision
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Date: 27/12/2014	Sheet of	
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