



AC1/2 serial capacitance calculations:
 $f_d = 1\text{MHz}$
 $f_s = 100\text{kHz}$
 $l_p s = 12\mu\text{H}$
 $l_s = 10.5\mu\text{H}$

AC1 capa = $\left(\frac{(f_s * 2 * \pi)^2 * l_p s}{f_d^2} - 1\right)^{-1} = 211\text{nF}$
 AC2 capa = $\left(\frac{(f_d * 2 * \pi)^2 * l_s * (l_s - c_1^2 - 1)}{f_s^2} - 1\right)^{-1} = 2.464\text{nF}$



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Sheet: /
File: qi.sch

Title: Crazyflie Qi 1.2 wireless charging deck

Size: A4	Date: 2018-10-17	Rev: C
KiCad E.D.A. kicad 4.0.2+dfsg1-stable		Id: 1/1