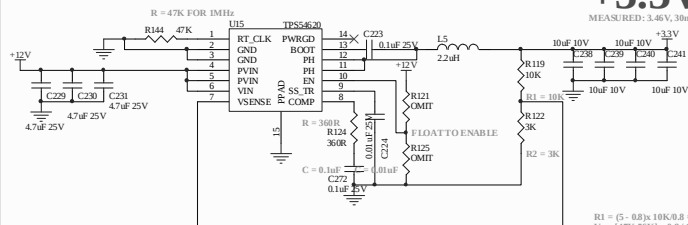


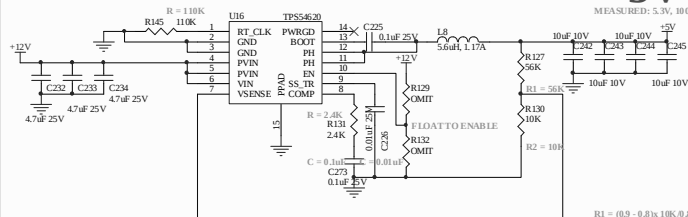
$R1 = (3.3 - 0.8) \times 10K / 0.8 = 31.25K$
 $V_o = 10K \times 0.8 / 3K + 0.8 = 3.46 V$

+3.3V
MEASURED: 3.46V, 30mV RIPPLE



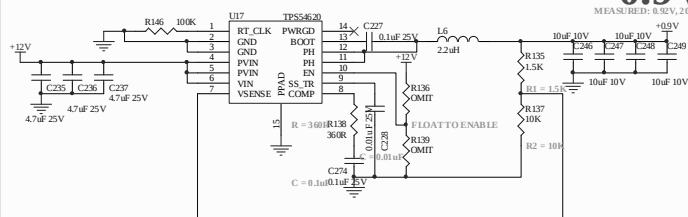
$R1 = (5 - 0.8) \times 10K / 0.8 = 52.5K$
 $V_o = [47K / 56K] \times 0.8 / 10K + 0.8 = [4.56, 5.3] V$

+5V
MEASURED: 5.3V, 10mV RIPPLE



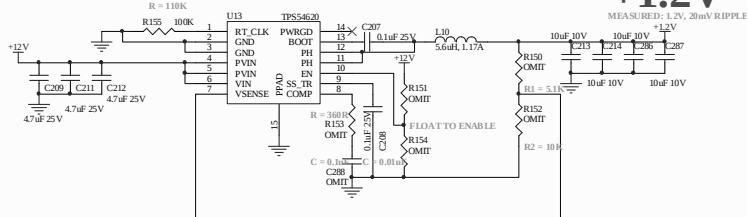
$R1 = (0.9 - 0.8) \times 10K / 0.8 = 1.25K$
 $V_o = [11K / 1.5K] \times 0.8 / 10K + 0.8 = [0.88, 0.95] V$

+0.9V
MEASURED: 0.92V, 20mV RIPPLE



$R1 = (1.2 - 0.8) \times 10K / 0.8 = 5K$
 $V_o = [4.3K / 5.1K] \times 0.8 / 10K + 0.8 = [1.141, 2.1] V$

+1.2V
MEASURED: 1.2V, 20mV RIPPLE



Title: DIG - TOP LEVEL				
Size: C	Number: 17-0000	Revision: A		
Date: 1/20/2011	Sheet: 1	of: 3		
File: POWER FOR TI.SchDoc				