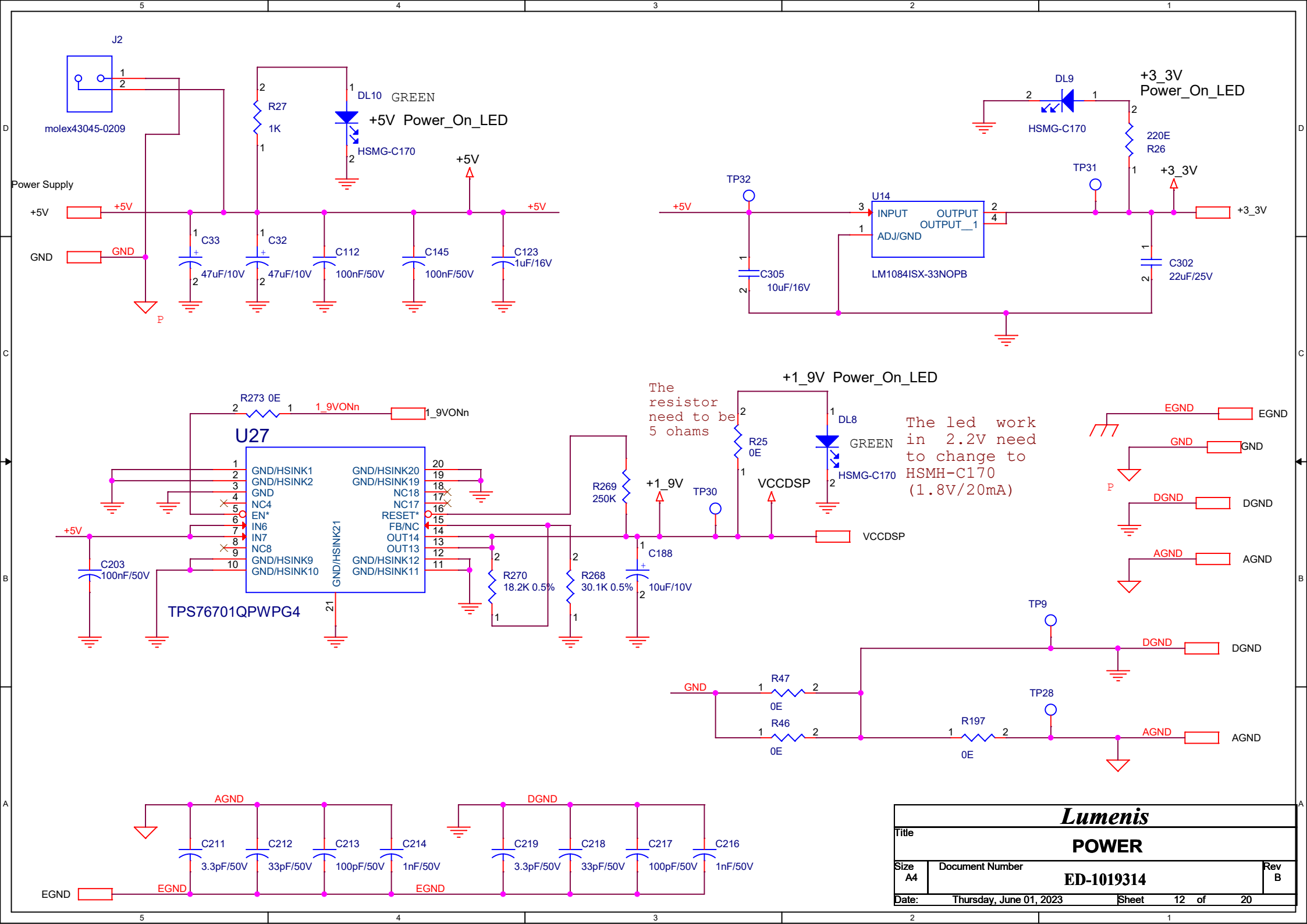




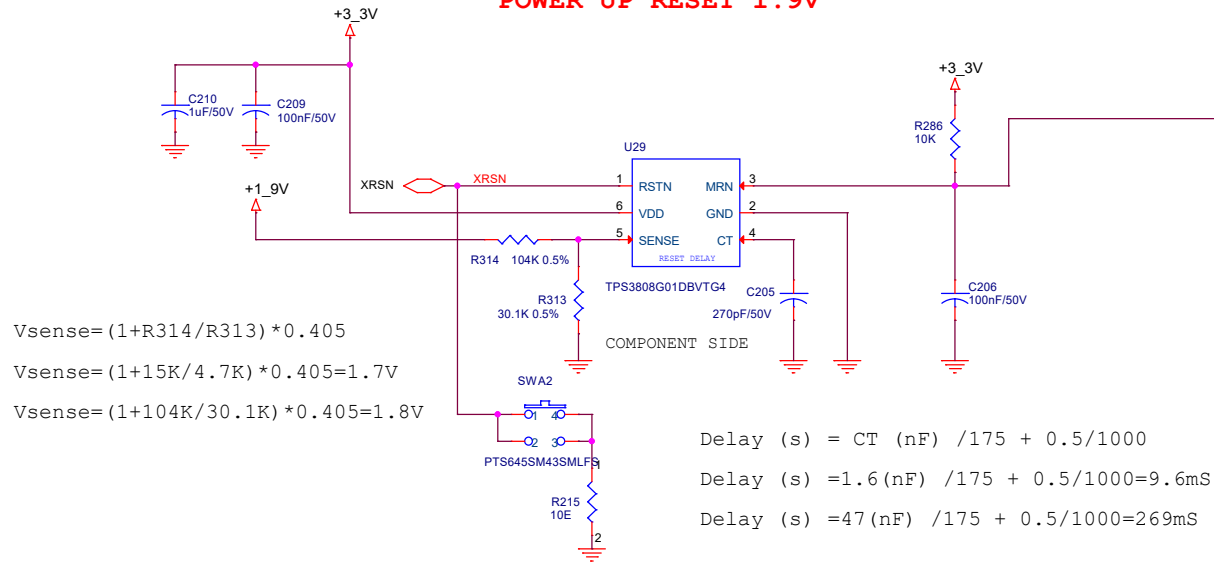
The resistor
need to be
5 ohms

The led work
in 2.2V need
to change to
HSMH-C170
(1.8V/20mA)

Lumenis		
POWER		
Size A4	Document Number ED-1019314	Rev B
Date: Thursday, June 01, 2023	Sheet 12 of 20	

POWER UP RESET

POWER UP RESET 1.9V



$$V_{sense} = (1 + R_{314}/R_{313}) * 0.405$$

$$V_{\text{sense}} = (1 + 15\text{K}/4.7\text{K}) * 0.405 = 1.7\text{V}$$

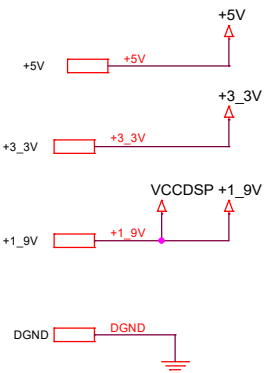
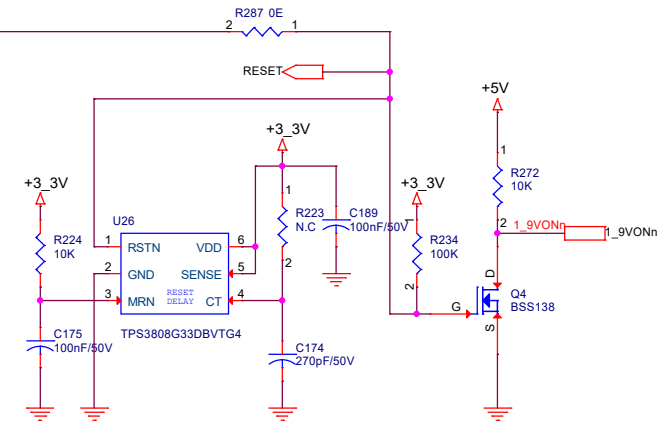
$$V_{\text{sense}} = (1 + 104\text{K}/30.1\text{K}) * 0.405 = 1.8\text{V}$$

$$\text{Delay (s)} = \text{CT (nF)} / 175 + 0.5/1000$$

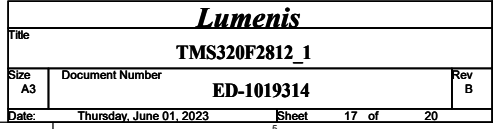
$$\text{Delay (s)} = 1.6(\text{nF}) / 175 + 0.5 / 1000 = 9.6\text{mS}$$

$$\text{Delay (s)} = 47 \text{ (nF)} / 175 + 0.5 / 1000 = 269 \text{ ms}$$

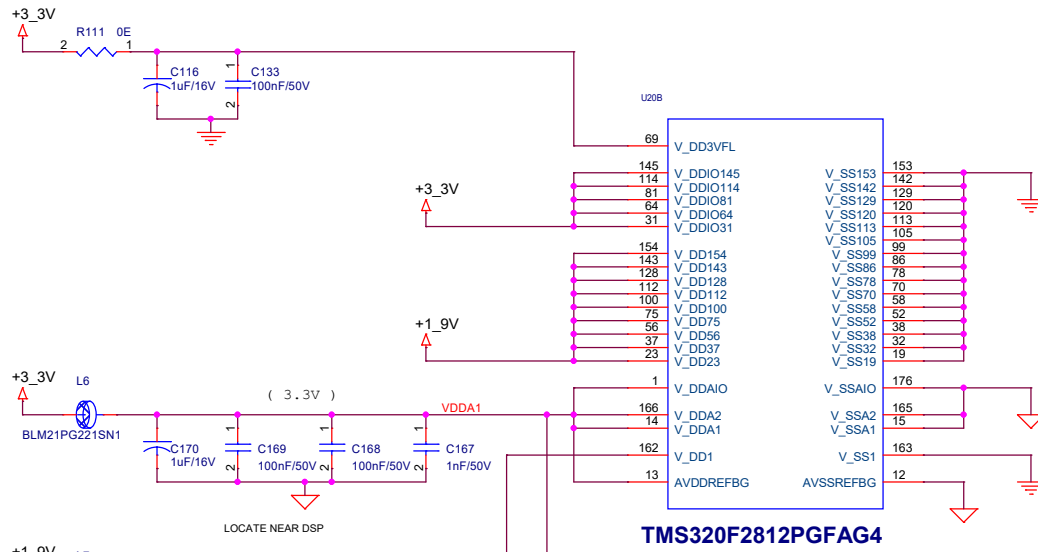
POWER UP RESET 3.3V



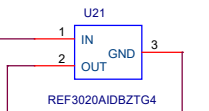
U20



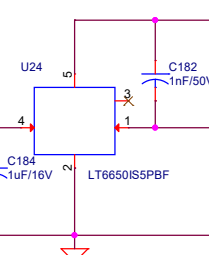
TMS320F2812_2



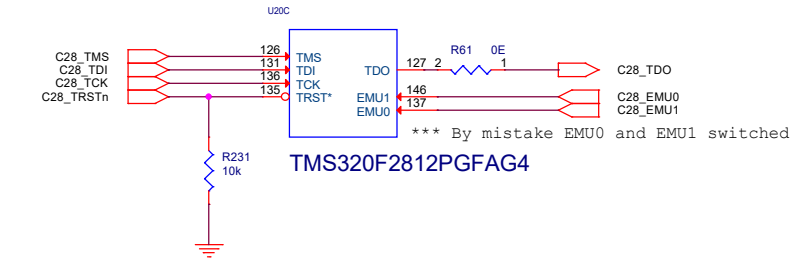
TMS320F2812PGFAG4



Vref 2V



Vref 1V



TMS320F2812PGFAG4

