

RHI is the top end of a 10 section voltage divider. RLO is the bottom end.

On the LM3914 it is ten 1,000 Ohm resistors.

On the LM3916 it is ten unequal resistors to make a VU meter scale.

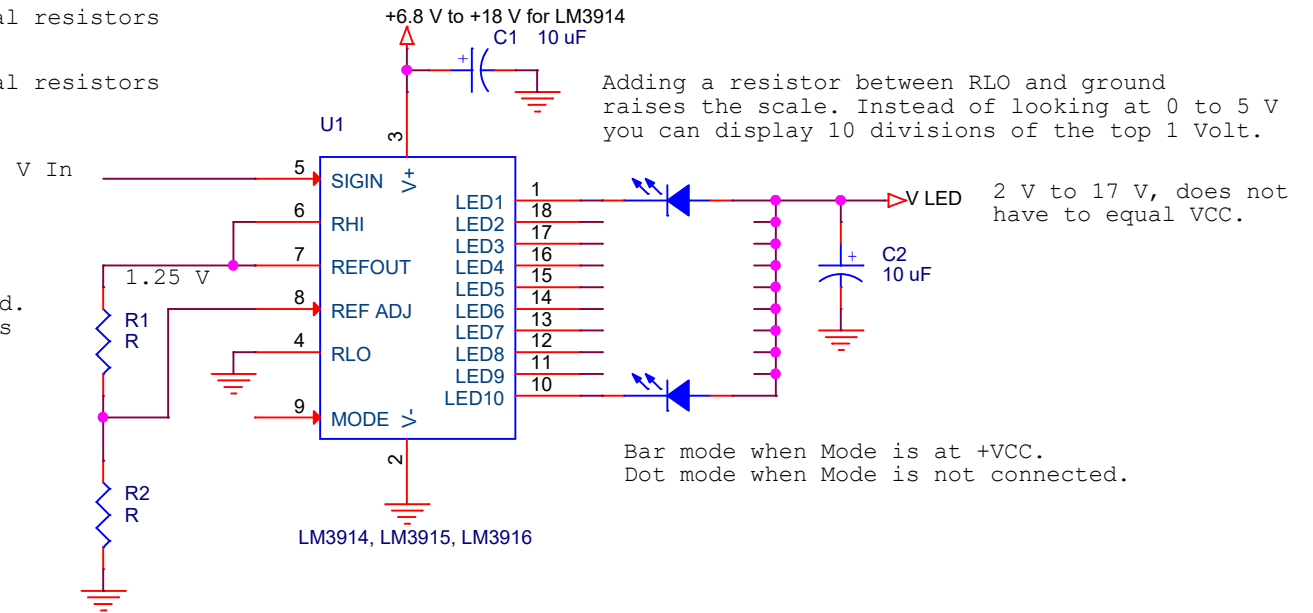
On the LM3915 it is ten unequal resistors to make 3 dB divisions.

R1 sets LED brightness also.
2 mA to 30 mA
About 1,200 Ohms is suggested.
LED current is about 10 times the current through R1.

R2 raises the operating voltage up from 1.25 V.

$(1.25 \text{ V} / R1)$ sets the current through R2.
That current times R2 raises the voltage range above 1.25 Volts. Add about 80 uA to that for REF ADJ current for precision.

LM3914 10 equally weighted divisions
LM3915 10 divisions, a VU meter
LM3916 10 divisions, 3dB apart



Title		
LM3914, LM3915, LM3916 Bar / dot display driver		
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Date:	Thursday, February 18, 2021	Sheet 1 of 1