

Log Viewer

Steak Electronics

1 Log Viewer

1.1 LM317

As the viewfinder needs its own power supply, I need 7V from 12V.
Parts box has LM317.

Formula for LM317:

$$V_{out} = 1.25 * (1 + R2/R1)$$

R1 = vout to gndpin

R2 = gndpin to gnd

e.g. 720 R2, 240 R1 == 5V

1K R2 == 6.45V

1.1K R2 == 6.97V

Standard R1 is 240ohm, so let's keep to the standard.¹

Make sure to account for the drop out needed for Vin to LM317.

¹Check when looking through devices that use LM317, which adhere to that standard. They should, when possible. Standards should always be followed.