



Jumper K1 selects between 5V and 3.3V operation. By sending VBUS to either VCC or the regulator. Approximately 500mA in total is available.

$$V_o = 1.22(1 + 182.5k/43k) = 3.56V$$

For a desired V_O , need an R_{11} value of
 $R_{11} = 43k(V_O / 1.22) - 1)$

Regulator should output 3.56V as MBR120VLSF has a forward voltage drop of about 0.15V-0.4V
3.56-0.15 = 3.41, 3.56-0.4 = 3.16 which is within 3.3V +/-5% => 3.14...3.46

