$+5$

$7.3\ \Omega$

$10\ \mu f$

$3.3V$

$mA \rightarrow$

$\downarrow I_c$

50 mA MAX

220

$\beta = 200$

$\dfrac{5V - Q2 = 4.8}{I_c = 300\ mA}$

$R_T = \dfrac{4.8}{0.3} = 16$

$R_L = 10\ \Omega\ MIN$

$R_L = 20\ \Omega$

$I_c = 175\ mA$

$3.3 - 0.7 = 2.6V$

$36\ \Omega$

$\dfrac{2.6V}{220} = 0.0118 = 11.8\ mA$

$I_{C\ MAX} = 2360\ mA$

GPIO-g MODE 18 PWM

GPIO-g WRITE 18 1 } CHECK PIN 12

GPIO-g WRITE 18 0 } TOGGLES

434 MHz

TX: 5.6 mA ⊙ 5V

RX: 3.6 mA