

The diagram shows the MIC5504-3.3YMTR voltage regulator in a 5-pin package. The input (pin 1) is connected to the input voltage through a 1uF capacitor (C11) and a 50R resistor (X5R) to ground. The ground pins (pin 2) and the enable pin (pin 3) are connected to ground. The no-connection pin (pin 4) is also connected to ground. The output (pin 5) is connected to the 3.3V output through a 1uF capacitor (C14) and a 50R resistor (X5R) to ground. An optional 0.1uF capacitor (C13) is connected between the output and ground, labeled 'Optional For TAR5SB33'.

5V Output

5V_BOOST

MBR0520LT1 20V 1A
RMB160M-30 30V 1A*

Sumida CDRH6D38NP-470NC 0.95A*
TOKO #A921CY-470M 0.89A

Schottky diode
D2

L1
47u

PSEL

C12
47u

47-68uF 10V Tantalum
ESR: 0.15-0.300m

NCP1402SN50
CE LX
VOUT
NC GND
U3

C15
10u

16V Tantalum or
low ESR Ceramic (X5R/X7R/J1S B)

USB connected: VUSB
USB not connected: LIPO

[illegible]

*Select one of two

On: Bluetooth mode
Off: USB mode or BT off

Rev: G
Id: 2/2