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9/18/2012
1:35:46 PM
Freescale KL25Z “Freedom” Board I/O Headers...
BATTERY CHARGER/POWER MANAGER

CHRG_EN1* CHRG_EN2* Mode
0 0 100mA
0 1 500mA
1 0 724mA
1 1 Suspend

LOW - SENSE ENABLED
Hi-Z - SENSE DISABLED

ROUGH MEASUREMENT
KL25Z ADC Input-Z is 2.5kOhms

BUCK-BOOST

POWER SWITCH
Will only operate as expected when...
a) D1 has been removed from Freescale KL25Z Freedom Board
b) Power is provided by the WiFo battery only. i.e. all USB cables are unplugged and Freedom Coin cell is not present.

INDICATORS

Hi-Z - SENSE DISABLED
LOW - SENSE ENABLED

KINETIS-L WIGO Module
Sheet 5 - Battery Management, Buck-Boost and Indicators

AES-KL-WIGO-SCH-B

Sheet 2 of 6

Date: 9/18/2012