U3

VDD 5V

OE
VCCA VCCB

RXD 2 A1 B1 13 RXD_5V
NCTS 3 A2 B2 12 NCTS_5V
NRTS 4 A3 B3 11 NRTS_5V
TXD 5 A4 B4 10 TXD_5V

1.2-3.6V GND 1.65-5.5V

GND

U1

GND
VDD_FILT VDD
RESET RES

USB_D+ USB_D+
USB_D- USB_D-

PCMI PCMI PIO2 PIO2
PCMO PCMO PIO3 PIO3
PCMC PCMC PIO4 PIO4
PCMS PCMS PIO5 PIO5
PIO6 PIO6
PIO7 PIO7

RXD RXD MOSI MOSI
NCTS NCTS MISO MISO
NRTS NRTS SCLK SCLK
TXD TXD NCSB NCSB

WT12-A

RESET
RESET 1

PIO
PIO6 1
PIO7 2

SMIRF
NRTS_5V 1
RXD_5V 2
TXD_5V 3
GND GND 4
5V 5V 5
NCTS_5V 6

VDD_FILT

C1 C2
10uF 0.1uF

GND

VDD_FILT L1 10nH VDD

5V 5V 3 VIN VOUT 2 VDD
GND 1
GND

JP1 R1 GRN PWR
VDD 470

JP2 R2 BLU USR
PIO5 470

GND

TITLE: WT12 UART Breakout Board v2.1

Document Number: REV:

Date: 1/17/2014 1:53:55 PM Sheet: 1/1