

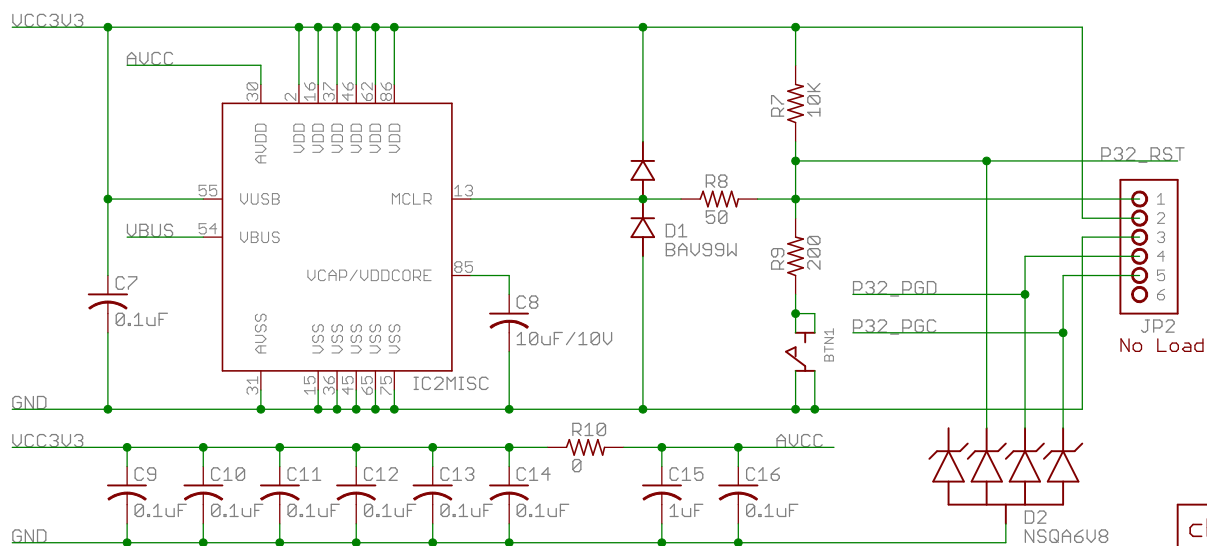
chipKIT™ WF32 Reference Design

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| chipKIT WF32 | | |
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| SHEET: ICSP, USB Serial | | Author: CLG |
| TITLE: chipKITWF32 | | Rev: B.0 |
| Doc#: 500-273 | Date: 03/26/2013 | Sheet: 1/7 |

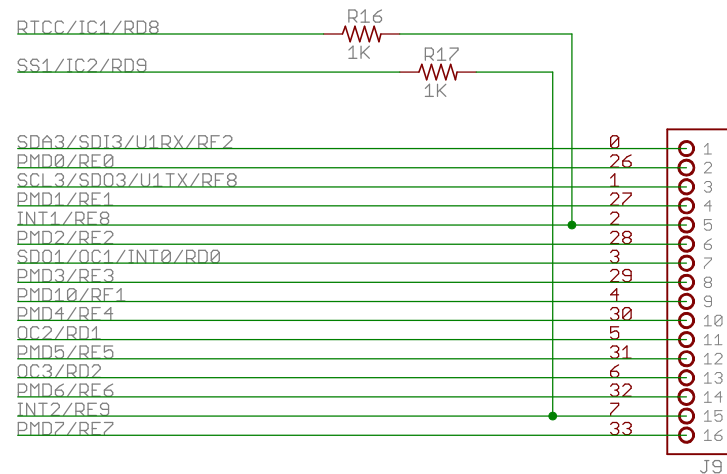
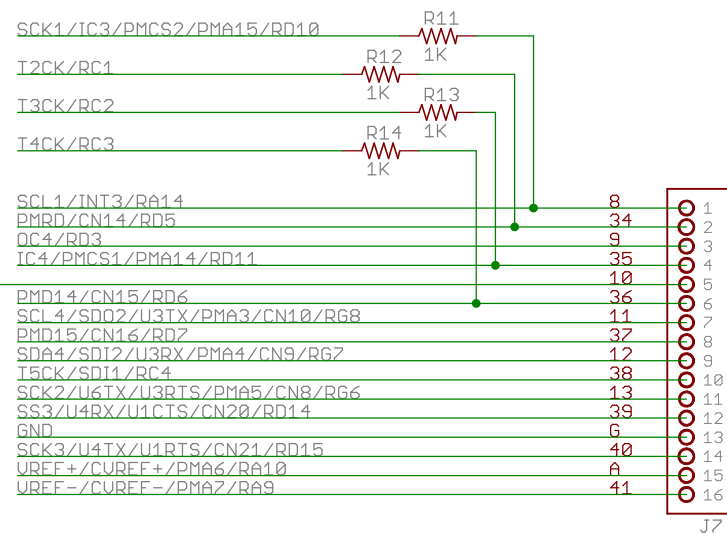
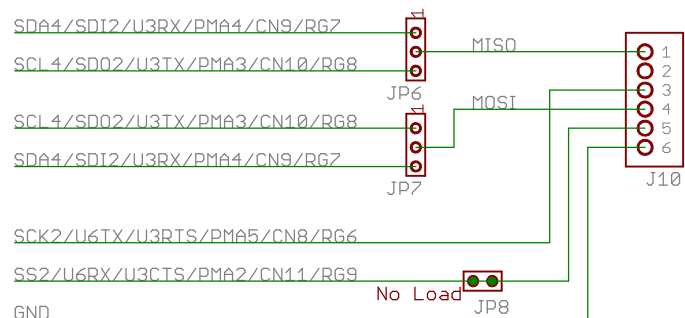
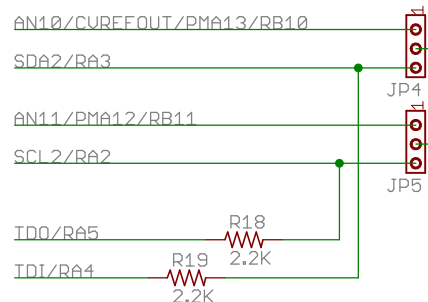
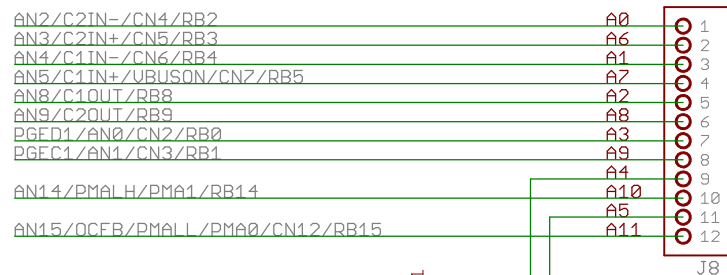
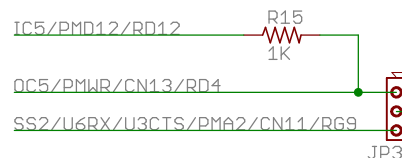
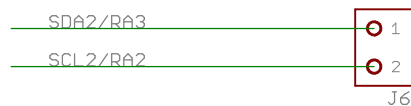


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Sheet: 2/7



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|-------------------------------|--|------------------|--|
| chipKIT WF32 | | Engineer: NEA | |
| Copyright 2013, Digilent Inc. | | Author: CLG | |
| SHEET: chipKIT I/O connectors | | Rev: B.0 | |
| TITLE: chipKITWF32 | | Date: 03/26/2013 | |
| Doc#: 500-273 | | Sheet: 3/7 | |

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| Port D | | |
|----------------------------------|----|---------------------------|
| SD01/OC1/INT0/RD0 | 22 | SD01/OC1/INT0/RD0 |
| OC2/RD1 | 26 | OC2/RD1 |
| OC3/RD2 | 27 | OC3/RD2 |
| OC4/RD3 | 28 | OC4/RD3 |
| OC5/PMWR/CN13/RD4 | 81 | OC5/PMWR/CN13/RD4 |
| PMRD/CN14/RD5 | 82 | PMRD/CN14/RD5 |
| ETXEN/PMD14/CN15/RD6 | 83 | PMD14/CN15/RD6 |
| ETXCLK/PMD15/CN16/RD7 | 84 | PMD15/CN16/RD7 |
| RTCC/EMDIO/IC1/RD8 | 68 | RTCC/IC1/RD8 |
| SS1/IC2/RD9 | 69 | SS1/IC2/RD9 |
| SCK1/IC3/PMCS2/PMA15/RD10 | 70 | SCK1/IC3/PMCS2/PMA15/RD10 |
| EMDC/AEMDC/IC4/PMCS1/PMA14/RD11 | 71 | IC4/PMCS1/PMA14/RD11 |
| ETXD2/IC5/PMD12/RD12 | 79 | IC5/PMD12/RD12 |
| ETXD3/PMD13/CN19/RD13 | 80 | PMD13/CN19/RD13 |
| AETXD0/SS3/U4RX/U1CTS/CN20/RD14 | 47 | SS3/U4RX/U1CTS/CN20/RD14 |
| AETXD1/SCK3/U4TX/U1RTS/CN21/RD15 | 48 | SCK3/U4TX/U1RTS/CN21/RD15 |

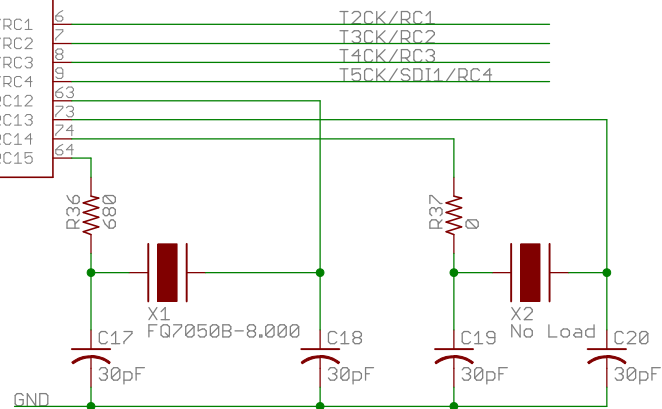
IC2PD

| Port E | | |
|-----------------|-----|----------|
| PMD0/RE0 | 93 | PMD0/RE0 |
| PMD1/RE1 | 94 | PMD1/RE1 |
| PMD2/RE2 | 98 | PMD2/RE2 |
| PMD3/RE3 | 99 | PMD3/RE3 |
| PMD4/RE4 | 100 | PMD4/RE4 |
| PMD5/RE5 | 3 | PMD5/RE5 |
| PMD6/RE6 | 4 | PMD6/RE6 |
| PMD7/RE7 | 5 | PMD7/RE7 |
| AERXD0/INT1/RE8 | 18 | INT1/RE8 |
| AERXD1/INT2/RE9 | 19 | INT2/RE9 |

IC2PE

| Port C | | |
|---------------------|----|---------------|
| T2CK/RC1 | 6 | T2CK/RC1 |
| T3CK/AC2TX/RC2 | 7 | T3CK/RC2 |
| T4CK/AC2RX/RC3 | 8 | T4CK/RC3 |
| T5CK/SDI1/RC4 | 9 | T5CK/SDI1/RC4 |
| OSC1/CLKI/RC12 | 63 | |
| SOSCI/CN1/RC13 | 73 | |
| SOSCO/T1CK/CN0/RC14 | 74 | |
| OSC2/CLK0/RC15 | 64 | |

IC2PC



| Port F | | |
|------------------------------|----|------------------------------|
| C1RX/ETXD1/PMD11/RF0 | 87 | PMD11/RF0 |
| C1TX/ETXD0/PMD10/RF1 | 88 | PMD10/RF1 |
| SDA3/SDI3/U1RX/RF2 | 52 | SDA3/SDI3/U1RX/RF2 |
| USBID/RF3 | 51 | USBID/RF3 |
| SDA5/SDI4/U2RX/PMA9/CN17/RF4 | 49 | SDA5/SDI4/U2RX/PMA9/CN17/RF4 |
| SCL5/SD04/U2TX/PMA8/CN18/RF5 | 50 | SCL5/SD04/U2TX/PMA8/CN18/RF5 |
| SCL3/SD03/U1TX/RF8 | 53 | SCL3/SD03/U1TX/RF8 |
| AC1RX/SS4/U5RX/U2CTS/RF12 | 40 | SS4/U5RX/U2CTS/RF12 |
| AC1TX/SCK4/U5TX/U2RTS/RF13 | 39 | SCK4/U5TX/U2RTS/RF13 |

IC2PF

| Port G | | |
|--|----|------------------------------|
| C2RX/PMD8/RG0 | 90 | PMD8/RG0 |
| C2TX/ETXERR/PMD9/RG1 | 89 | PMD9/RG1 |
| D+/RG2 | 57 | D+/RG2 |
| D-/RG3 | 56 | D-/RG3 |
| ECOL/SCK2/U6TX/U3RTS/PMA5/CN8/RG6 | 10 | SCK2/U6TX/U3RTS/PMA5/CN8/RG6 |
| ECRS/SDA4/SDI2/U3RX/PMA4/CN9/RG7 | 11 | SDA4/SDI2/U3RX/PMA4/CN9/RG7 |
| ERXDU/AERXDU/ECRS DU/AECRS DU/ SCL4/SD02/U3TX/PMA3/CN10/RG8 | 12 | SCL4/SD02/U3TX/PMA3/CN10/RG8 |
| ERXCLK/AERXCLK/EREFCLK/AEREFCLK/ SS2/U6RX/U3CTS/PMA2/CN11/RG9 | 14 | SS2/U6RX/U3CTS/PMA2/CN11/RG9 |
| TRD1/RG12 | 96 | TRD1/RG12 |
| TRD0/RG13 | 97 | TRD0/RG13 |
| TRD2/RG14 | 95 | TRD2/RG14 |
| AERXERR/RG15 | 1 | RG15 |

IC2PG

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Engineer: NEA

SHEET: PIC32 I/O

Author: CLG

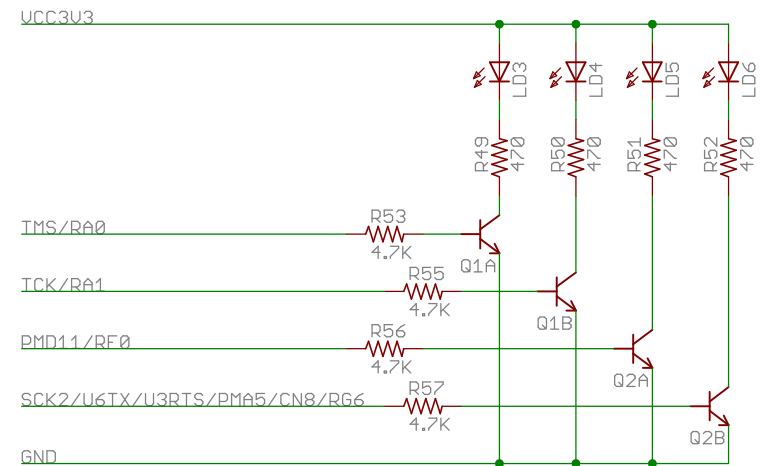
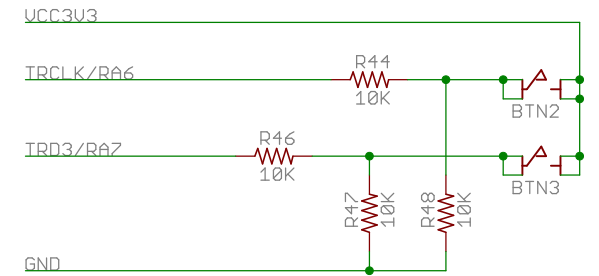
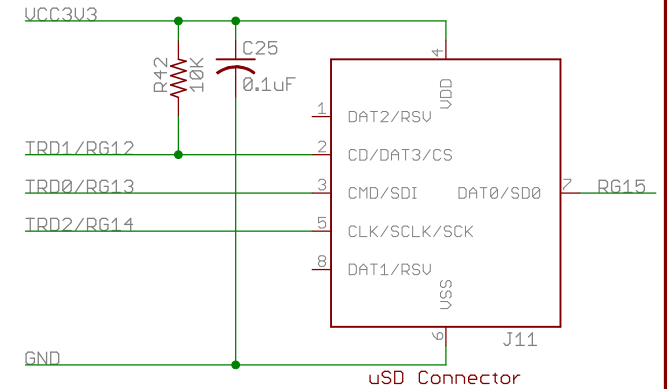
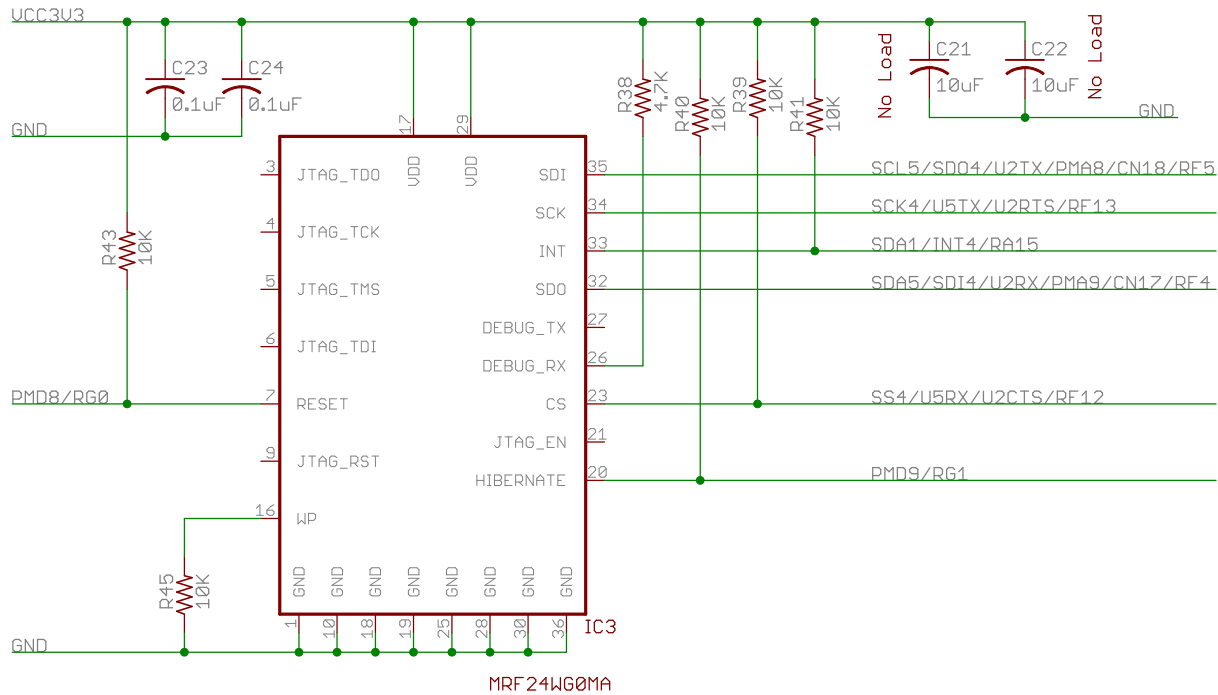
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Engineer: NEA

SHEET: WiFi, USB, SD Card

Author: CLG

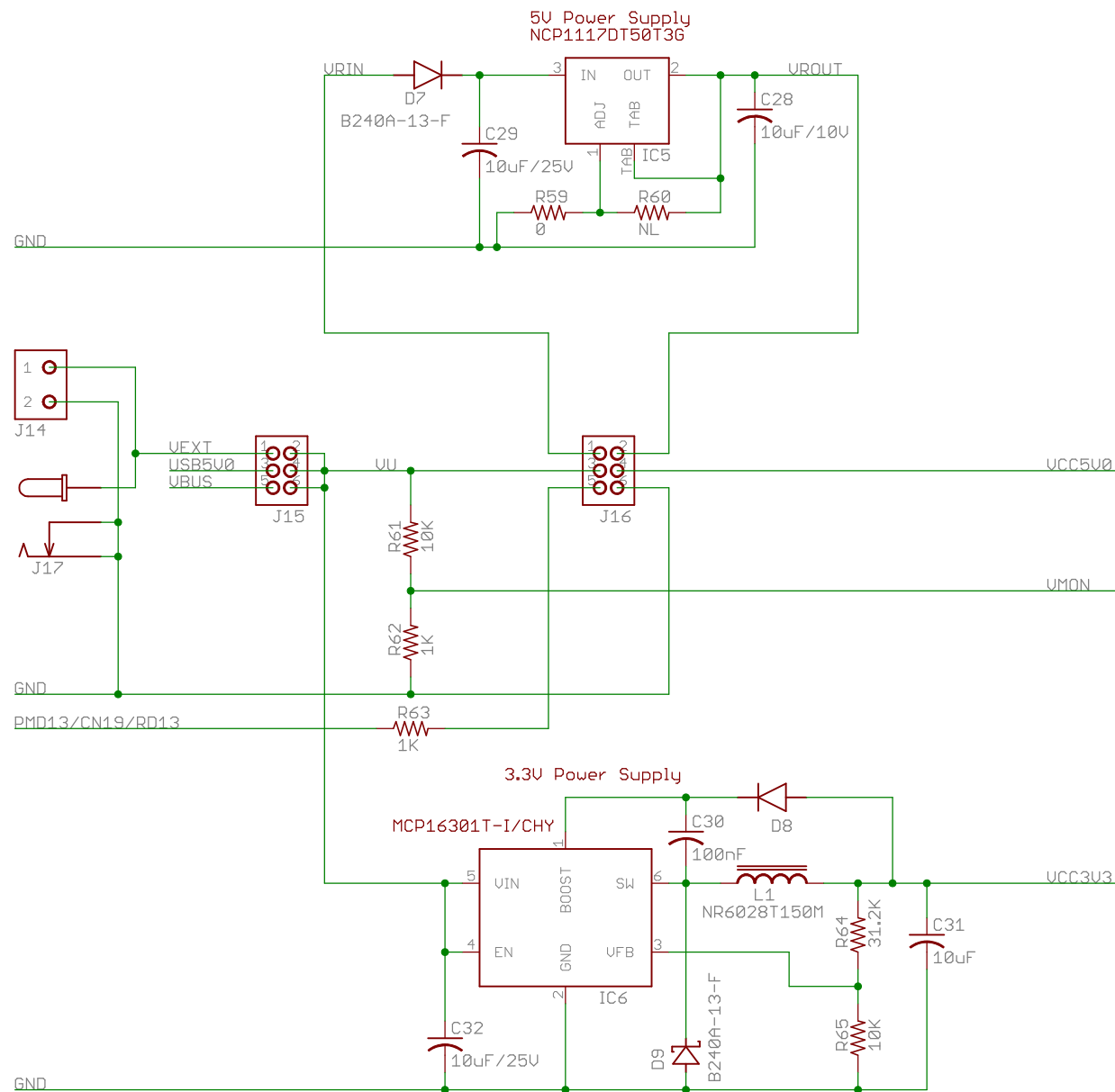
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Engineer: NEA

SHEET: Power Supplies

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