Teton

Mixed-signal computational module for the Marmote platform http://marmote.googlecode.com

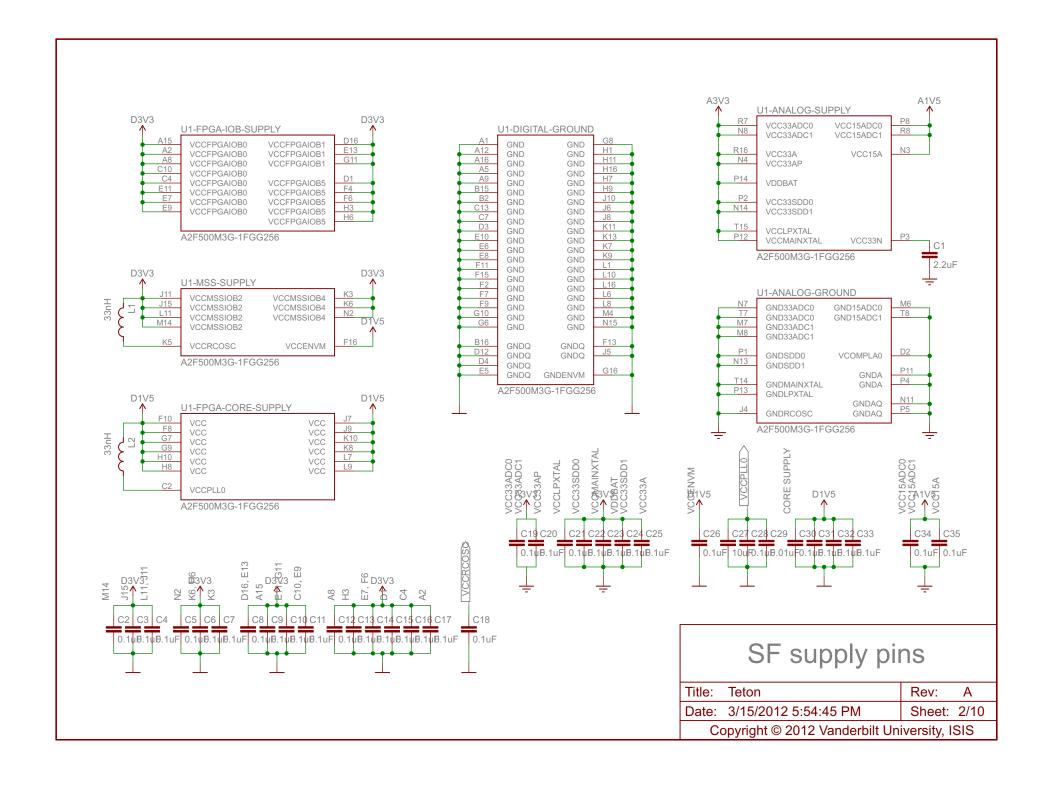


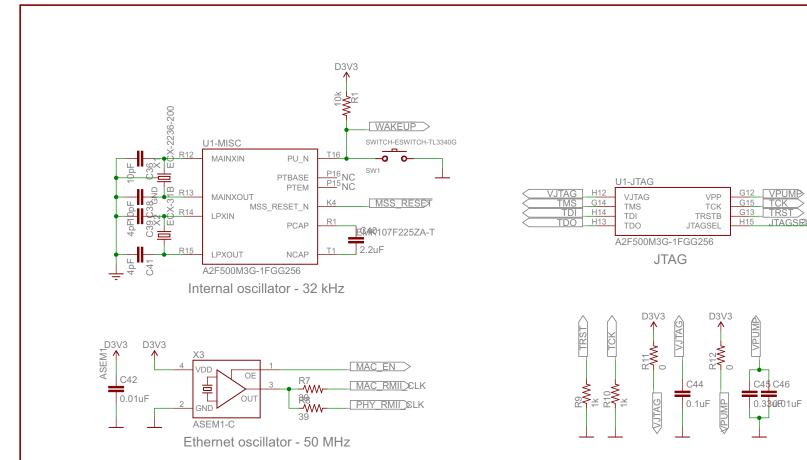






Designed by: Pages: Cover page Sandor Szilvasi sandor.szilvasi@vanderbilt.edu 1 - Cover page 6 - External AFE #2 2 - SF supply pins 7 - Ethernet 3 - Clock, reset, JTAG 8 - USB and AFE dig. Verified by: Title: Teton Rev: 4 - SF AFE 9 - I/O signals Date: 3/15/2012 5:54:45 PM Sheet: 1/10 Peter Volgyesi peter.volgyesi@vanderbilt.edu 5 - External AFE #1 10 - Connectors Copyright © 2012 Vanderbilt University, ISIS





MSS RESEX

SW2

SWITCH-ESWITCH-TL3340G

D3V3

Reset logic

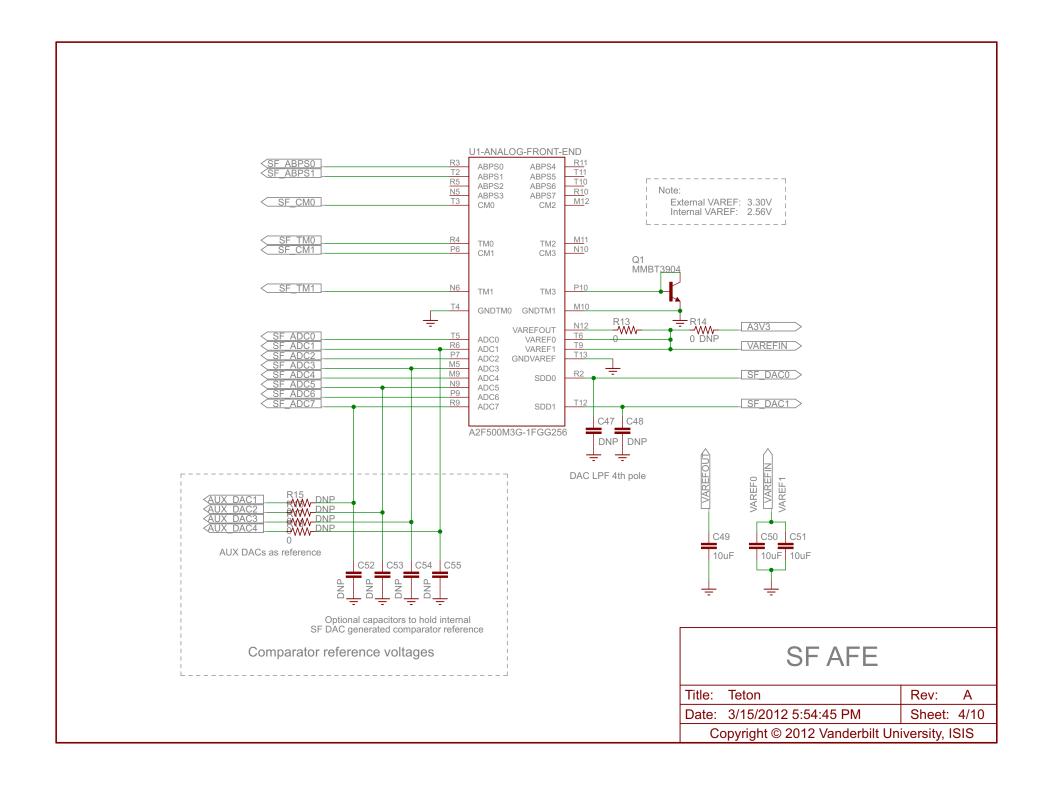
VCC GND

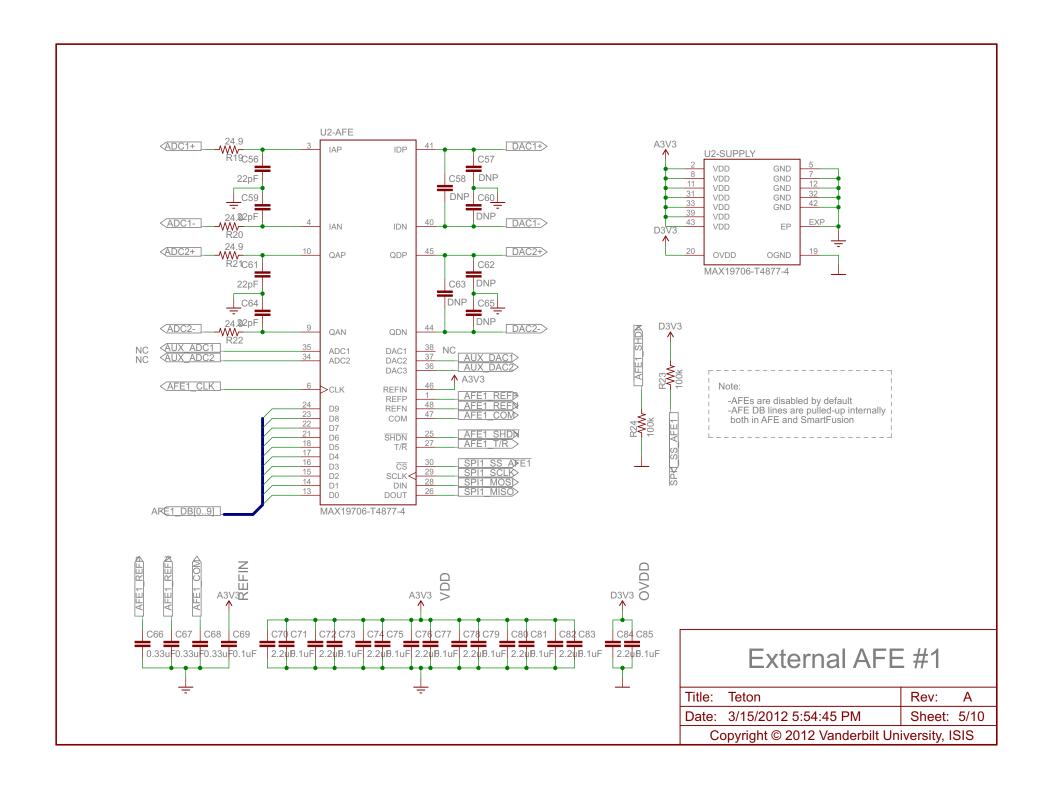
DS1818-10-SOT-23

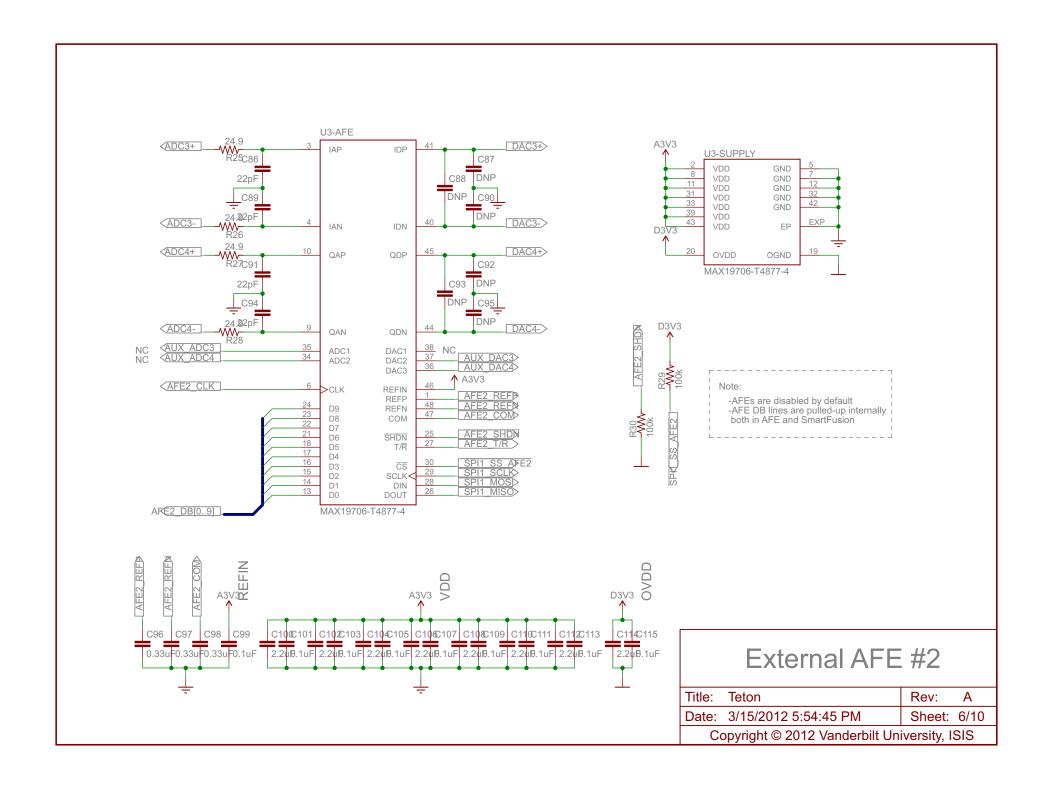
Clock, reset, JTAG

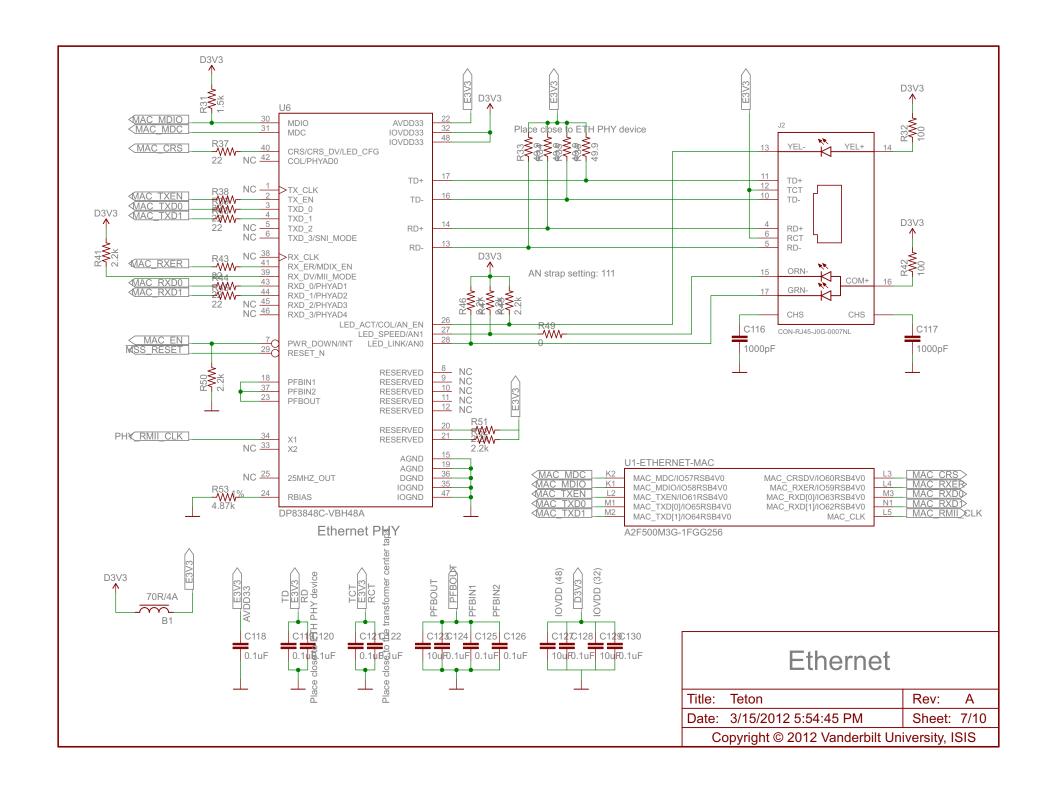
D3V3

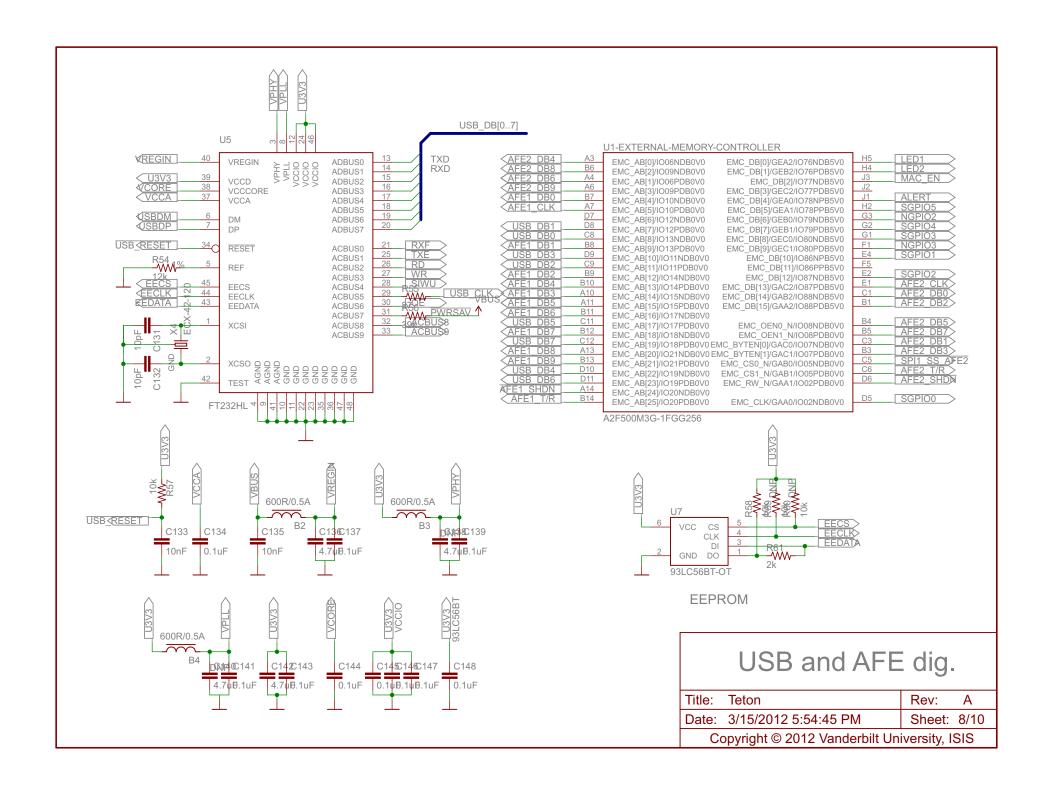
| Title: | Teton | Rev: A | | |
|--|----------------------|-------------|--|--|
| Date: | 3/15/2012 5:54:45 PM | Sheet: 3/10 | | |
| Copyright © 2012 Vanderbilt University, ISIS | | | | |



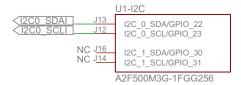


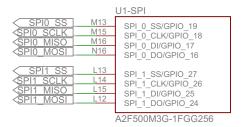


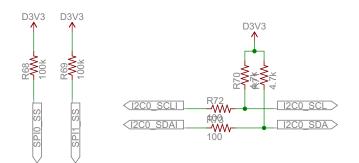


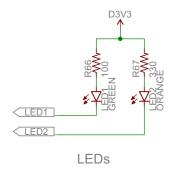












| | U1-IOB | | _ |
|-------------------------|-----------------|-----------------|------------|
| SPK SS AFE1 C14 RXF D13 | GBA2/IO27PPB1V0 | GCA1/IO36PDB1V0 | E12 ACBUS8 |
| | GBB2/IO27NPB1V0 | GCA0/IO36NDB1V0 | F12 ACBUS9 |
| REF CLK+ C15 | GCA2/IO28PDB1V0 | GDC1/IO38PDB1V0 | E15 WR |
| | IO28NDB1V0 | GDC0/IO38NDB1V0 | E16 OE |
| RD D14 TXE D15 | GCB2/IO33PDB1V0 | GFC2/IO84PDB5V0 | G4 |
| | IO33NDB1V0 | IO84NDB5V0 | G5 |
| SIWU E14 USB_CLK F14 | GCB1/IO34PDB1V0 | GFA2/IO85PDB5V0 | E3 NGPIO1 |
| | GCB0/IO34NDB1V0 | GFB2/IO85NDB5V0 | F3 NGPIO0 |

A2F500M3G-1FGG256

I/O signals

| Title: | Teton | Rev: A | | |
|--|----------------------|------------|---|--|
| Date: | 3/15/2012 5:54:45 PM | Sheet: 9/1 | 0 | |
| Copyright © 2012 Vanderbilt University, ISIS | | | | |

