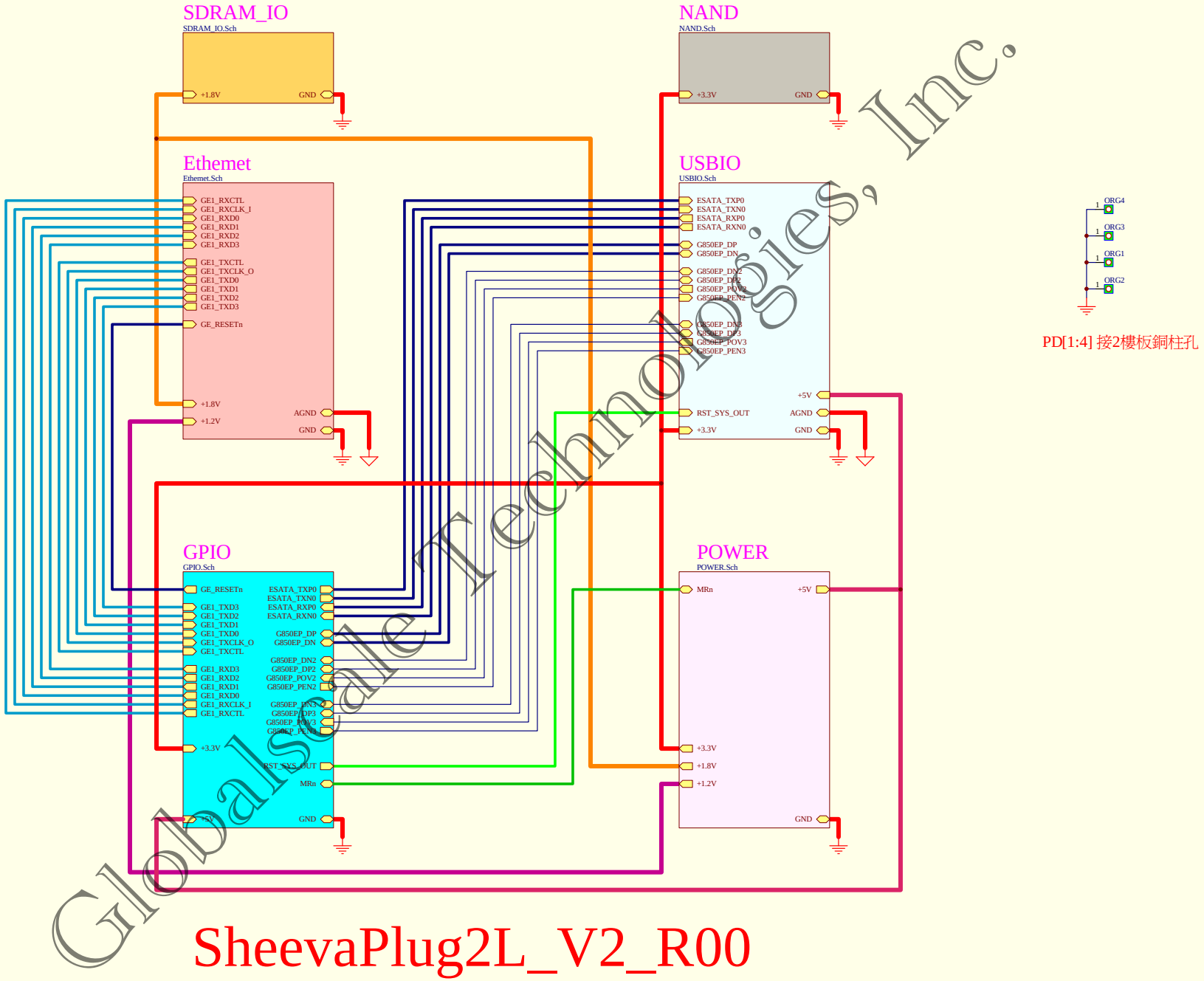




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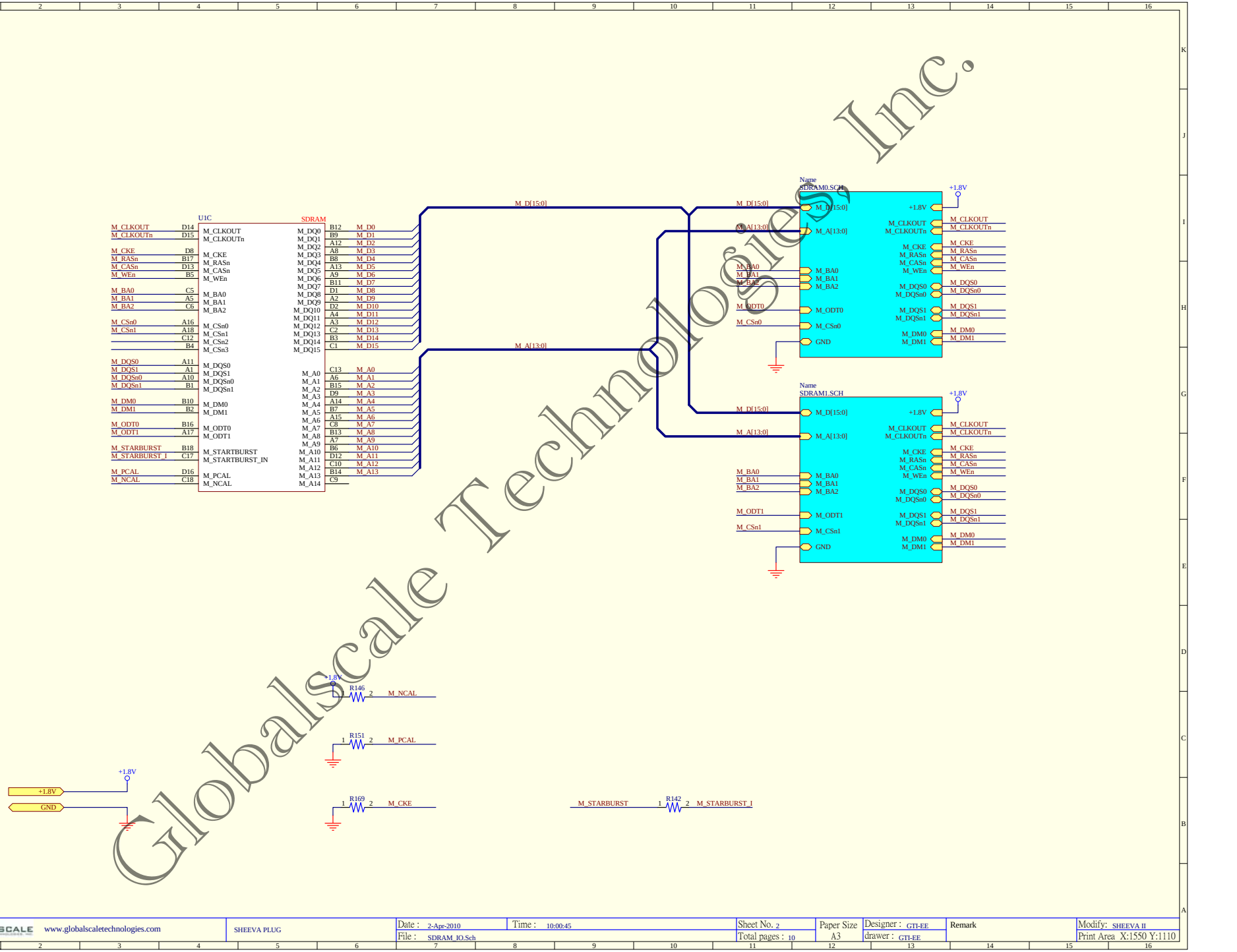
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 10:00:45 | Sheet No. 10 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : SheevaPlug2L.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |



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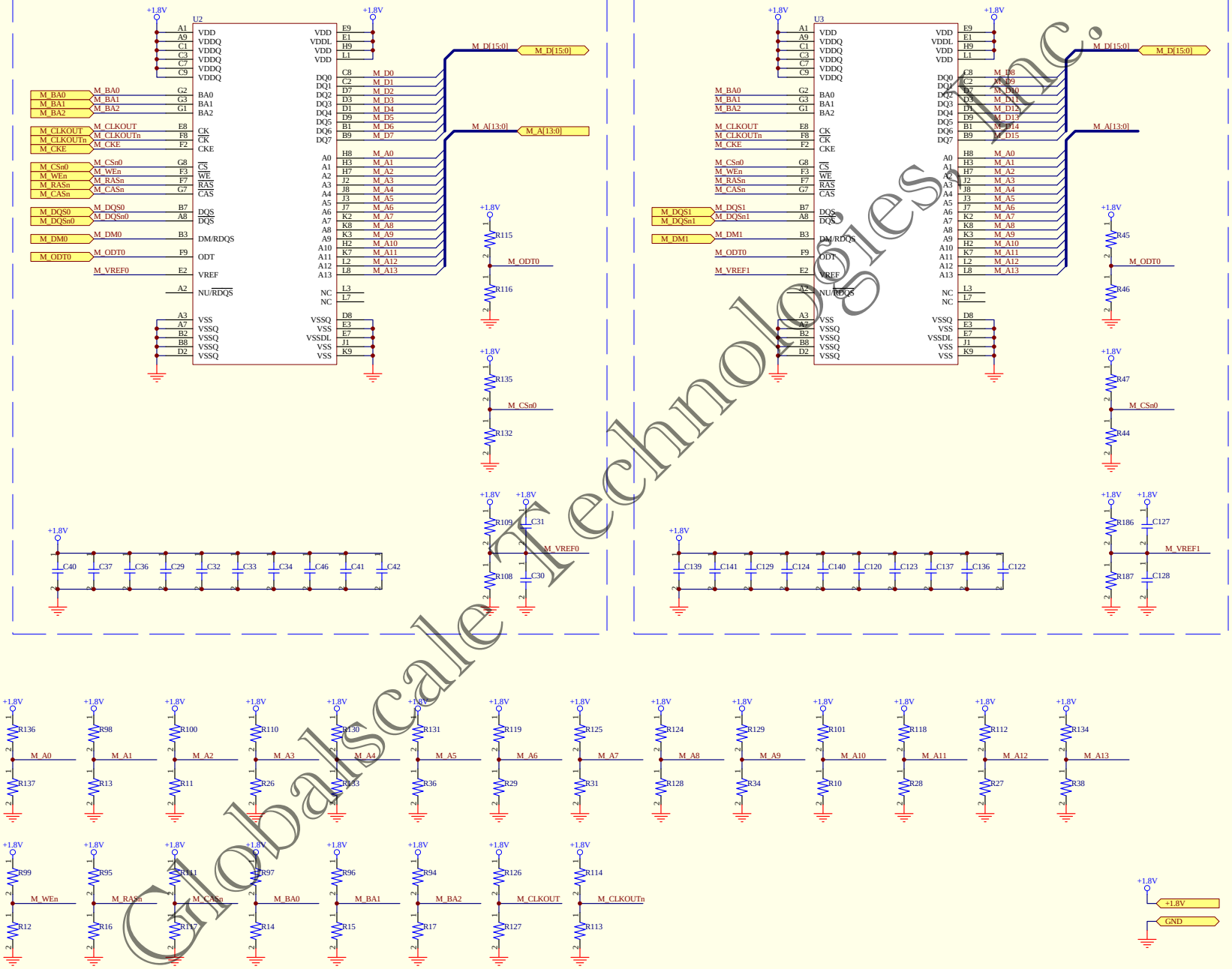


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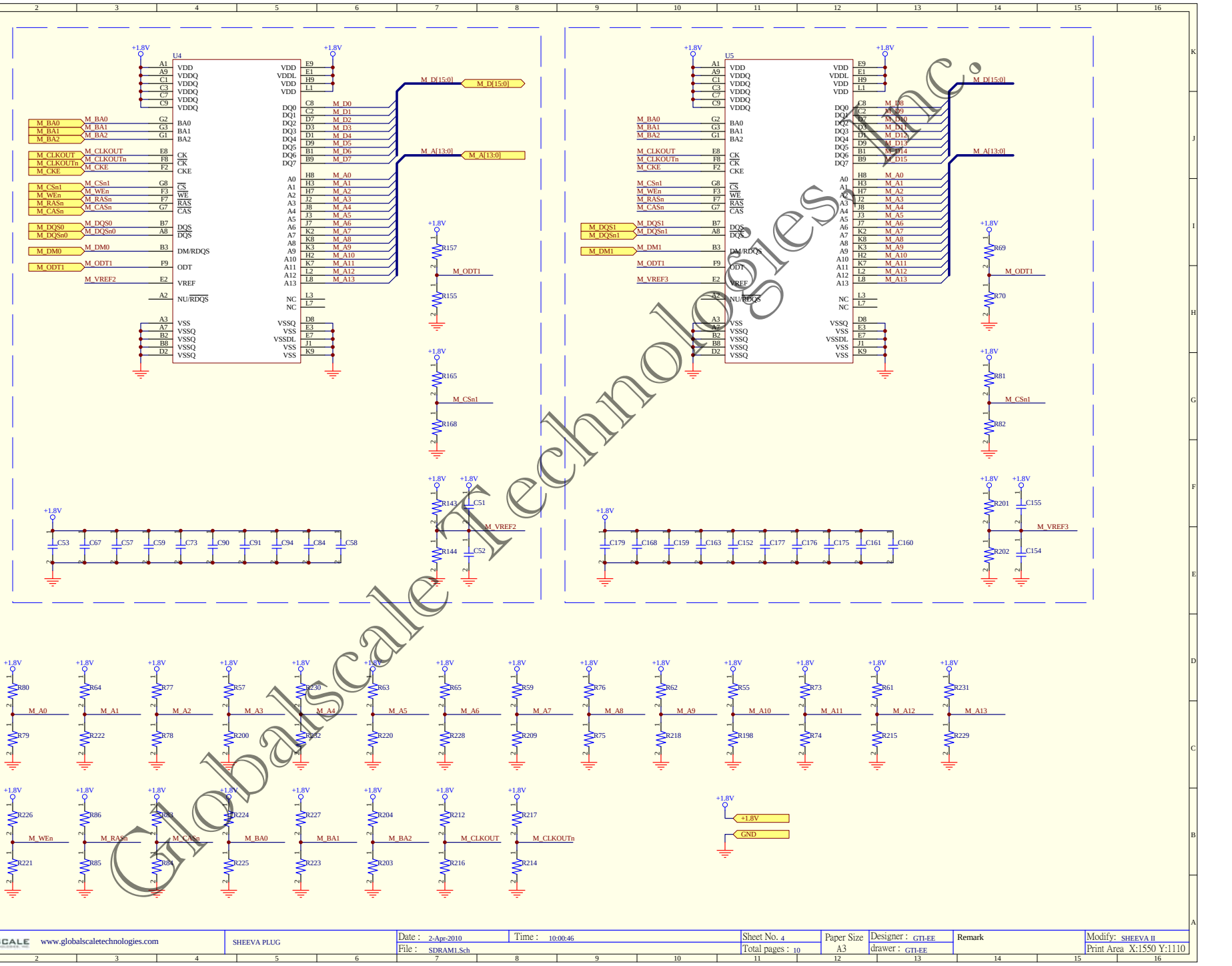




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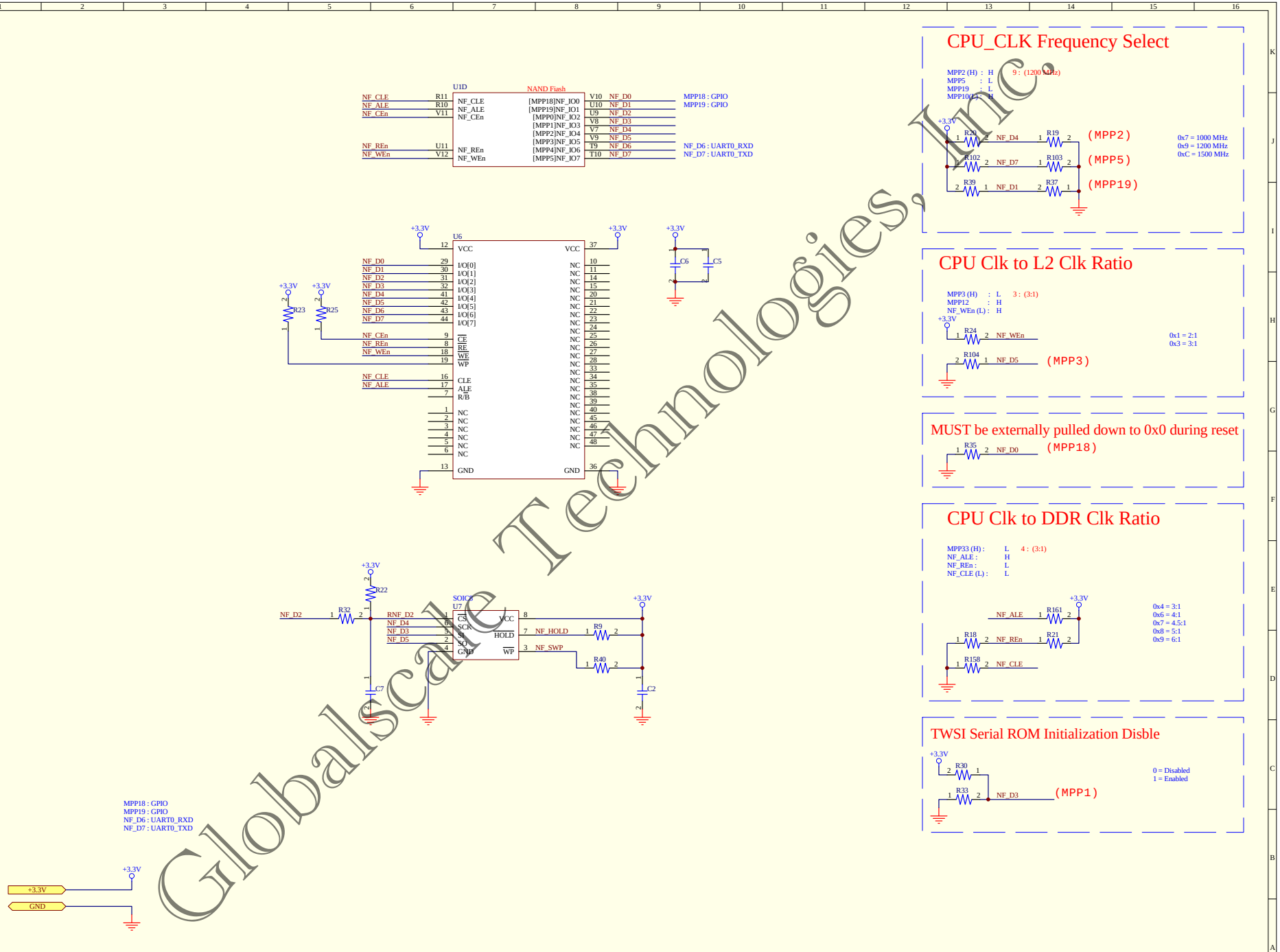
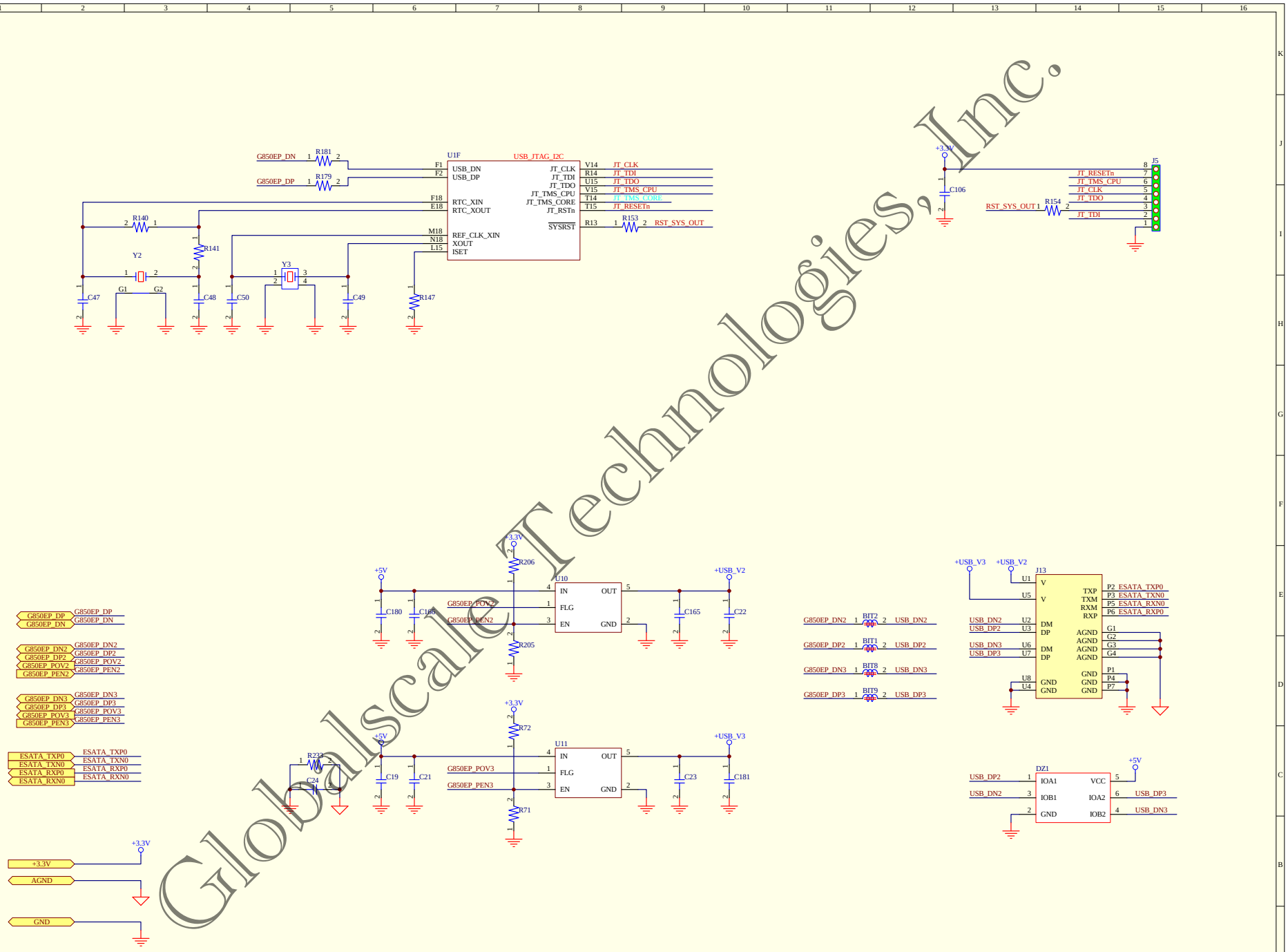
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 10:00:46 | Sheet No. 4 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : SDRAM1.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |


U1D
NAND Flash
NF_CLE
NF_ALE
NF_CEn
NF_REn
NF_WEn
[MPP18]NF_IO0
[MPP19]NF_IO1
[MPP0]NF_IO2
[MPP1]NF_IO3
[MPP2]NF_IO4
[MPP3]NF_IO5
[MPP4]NF_IO6
[MPP5]NF_IO7
NF_D0
NF_D1
NF_D2
NF_D3
NF_D4
NF_D5
NF_D6
NF_D7
MPP18 : GPIO
MPP19 : GPIO
NF_D6 : UART0_RXD
NF_D7 : UART0_TXD
U6
VCC
I/O[0]
I/O[1]
I/O[2]
I/O[3]
I/O[4]
I/O[5]
I/O[6]
I/O[7]
CE
RE
WE
WP
CLE
ALE
R/B
NC
GND
+3.3V
R23
R25
C6
C5
SOIC8
U7
CS
SCK
SI
SO
GND
HOLD
NF_HOLD
NF_SWP
RNF_D2
R22
R32
R9
R40
C7
C2
MPP18 : GPIO
MPP19 : GPIO
NF_D6 : UART0_RXD
NF_D7 : UART0_TXD
GND
CPU_CLK Frequency Select
MPP2 (H) : H
MPP5 : L
MPP19 : L
MPP18 (L) : L
9 : (1200 MHz)
R20
R19
R102
R103
R39
R37
(MPP2)
(MPP5)
(MPP19)
0x7 = 1000 MHz
0x9 = 1200 MHz
0xC = 1500 MHz
CPU Clk to L2 Clk Ratio
MPP3 (H) : L
MPP12 : H
NF_WEn (L) : H
3 : (3:1)
R24
R104
(MPP3)
0x1 = 2:1
0x3 = 3:1
MUST be externally pulled down to 0x0 during reset
R35
(MPP18)
CPU Clk to DDR Clk Ratio
MPP33 (H) : L
NF_ALE : H
NF_REn : L
NF_CLE (L) : L
4 : (3:1)
R161
R18
R21
R158
0x4 = 3:1
0x6 = 4:1
0x7 = 4.5:1
0x8 = 5:1
0x9 = 6:1
TWSI Serial ROM Initialization Disble
R30
R33
(MPP1)
0 = Disabled
1 = Enabled
Globalscale Technologies, Inc.
GLOBALSCALE
www.globalscaletechnologies.com
SHEEVA PLUG
Date : 2-Apr-2010
Time : 10:00:46
File : NAND.Sch
Sheet No. 5
Total pages : 10
Paper Size A3
Designer : GTI-EE
drawer : GTI-EE
Remark
Modify: SHEEVA II
Print Area X:1550 Y:1110



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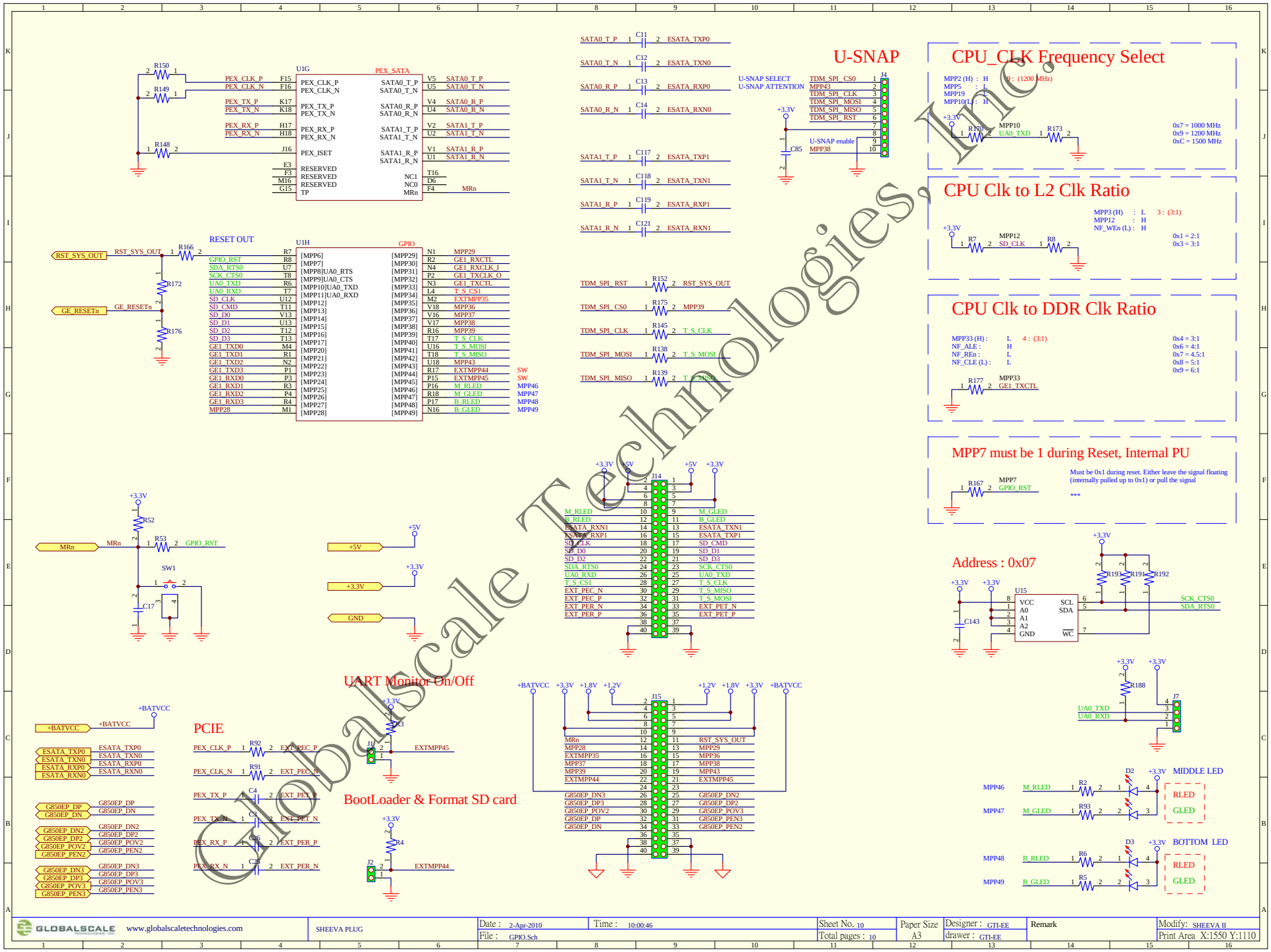
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 10:00:46 | Sheet No. 9 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : USBIO.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |

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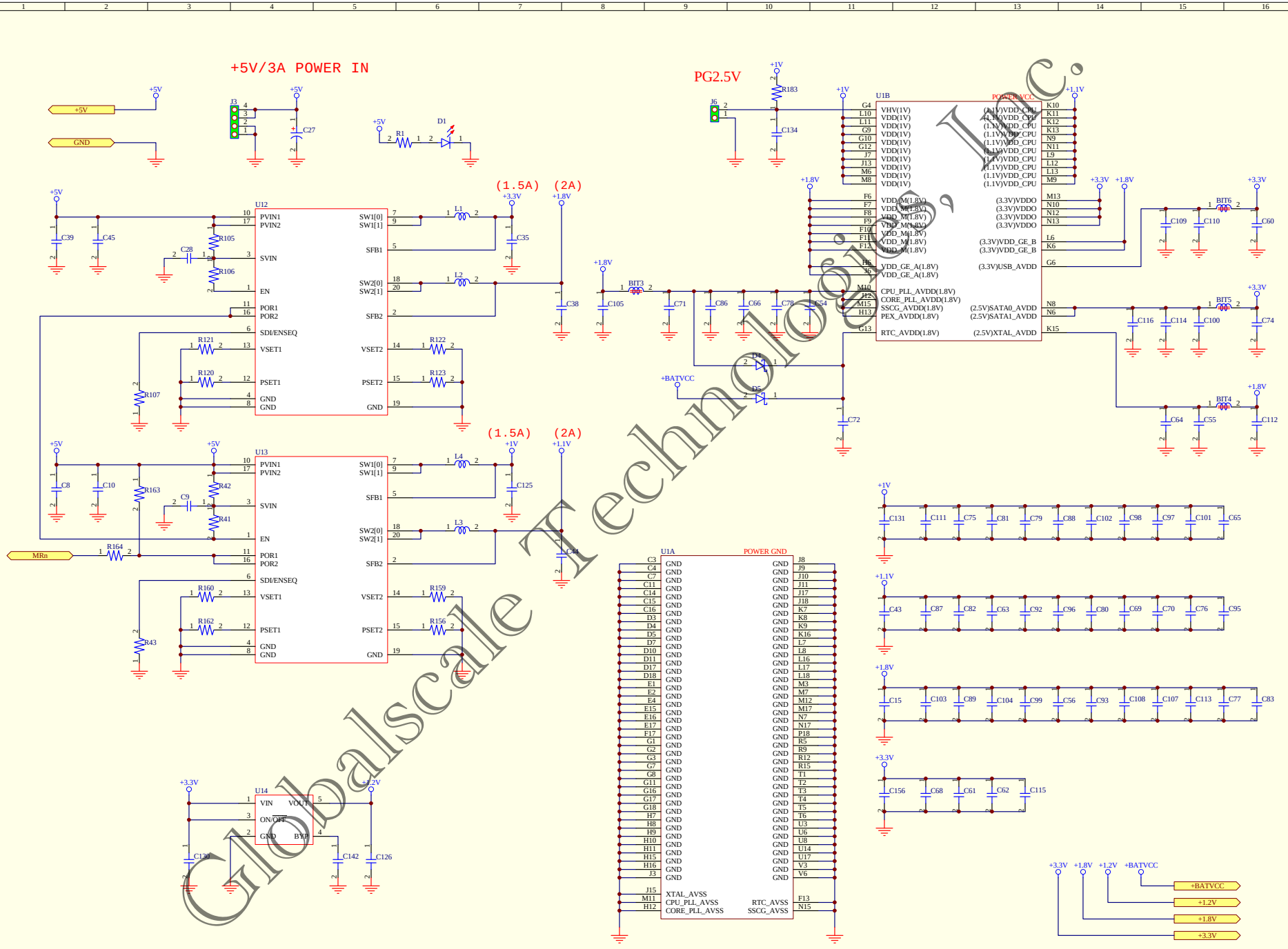
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 10:00:46 | Sheet No. 10 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : GPIO.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |

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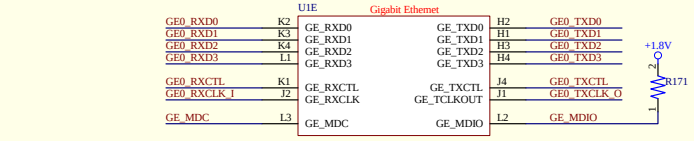
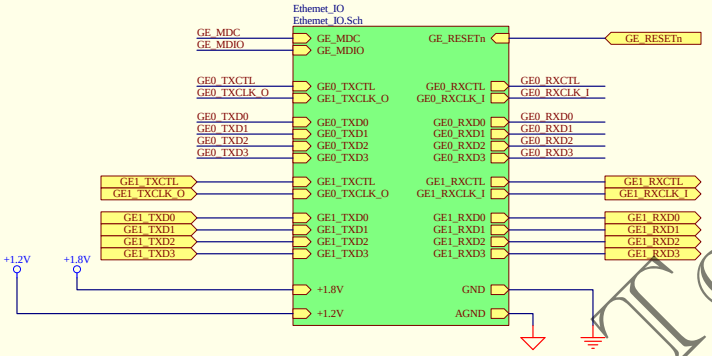
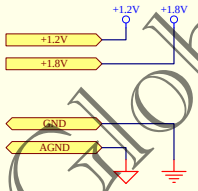
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 10:00:46 | Sheet No. 8 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : POWER.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |



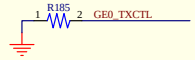




## PCI Express Clock

0x0 = The device use external source for PCI Express clock. Pins PEX_CLK_P/PEX_CLK_N are
0x1 = The device uses internal generated clock for PCI Express clock. Pins
PEX_CLK_P/PEX_CLK_N pins are outputs, driving out the PCI Express differential clock.


## Used for internal testing

GE_TXCTL
Must be 0x0 during reset. Either leave the signal floating
(internally pulled down to 0x0) or pull the signal to

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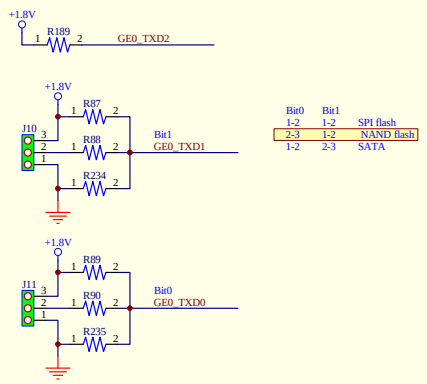
## SSCG

Spread Spectrum Clock Generator


## Reset Configuration(Boot from NAND flash)

GE0_TXD2(H) : H 4 : Boot from SPI flash (SPI_CSn on MPP[0])
GE0_TXD1 : L 5 : Boot from NAND flash
GE0_TXD0(L) : L 6 : Boot from SATA



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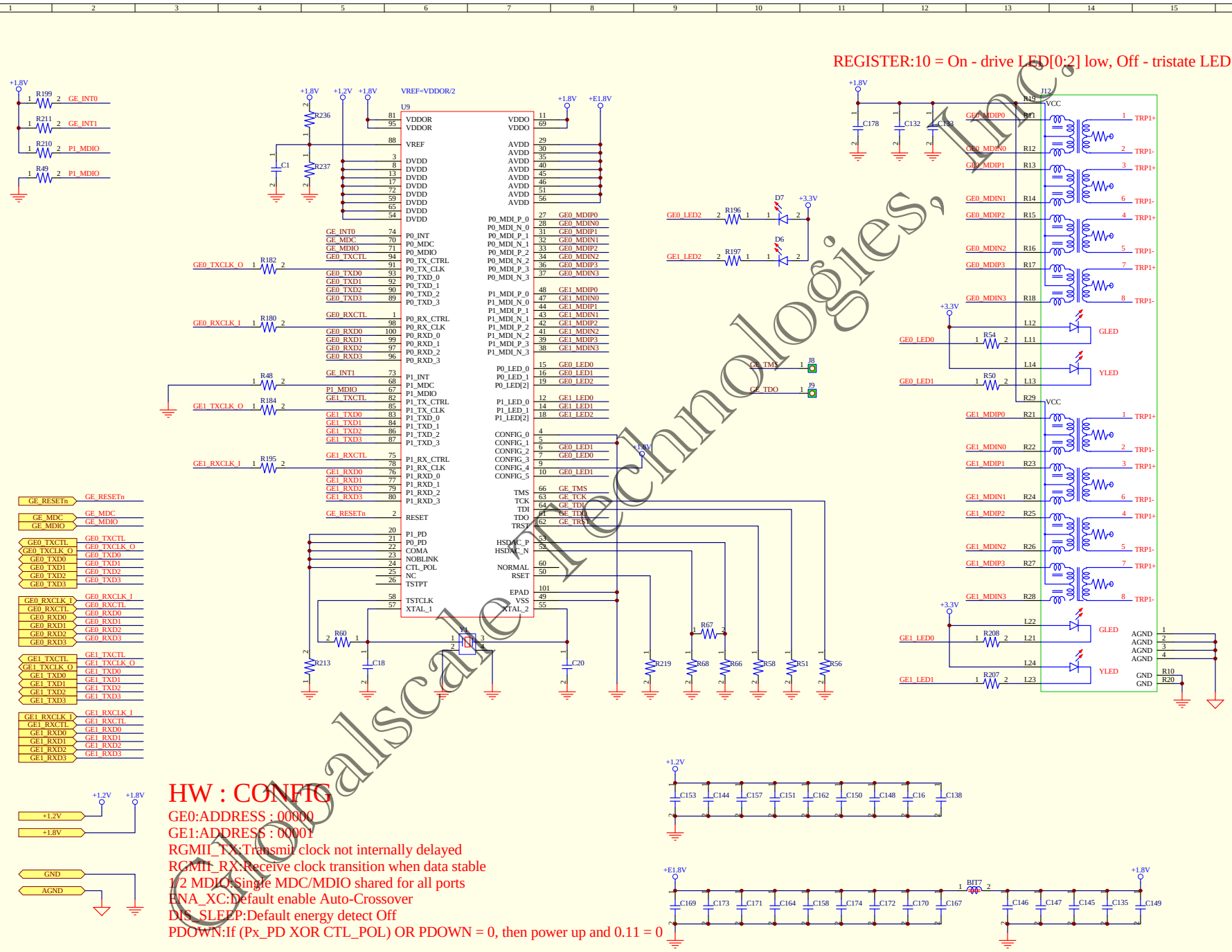
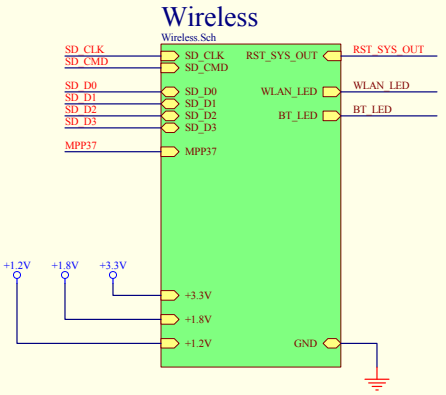
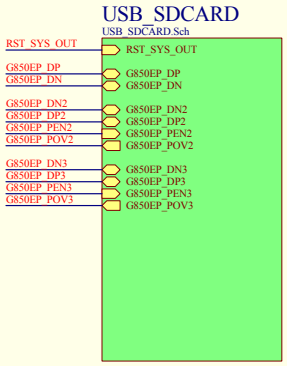
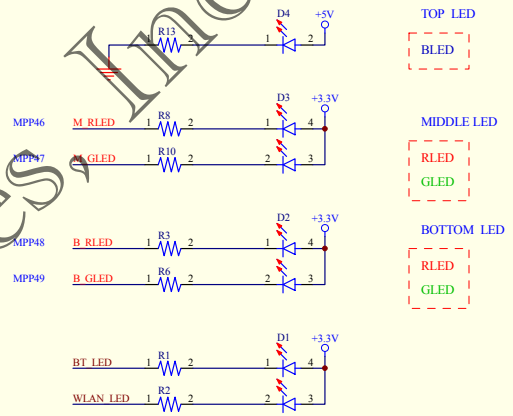
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 10:00:47 | Sheet No. 6 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : Ethernet.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |

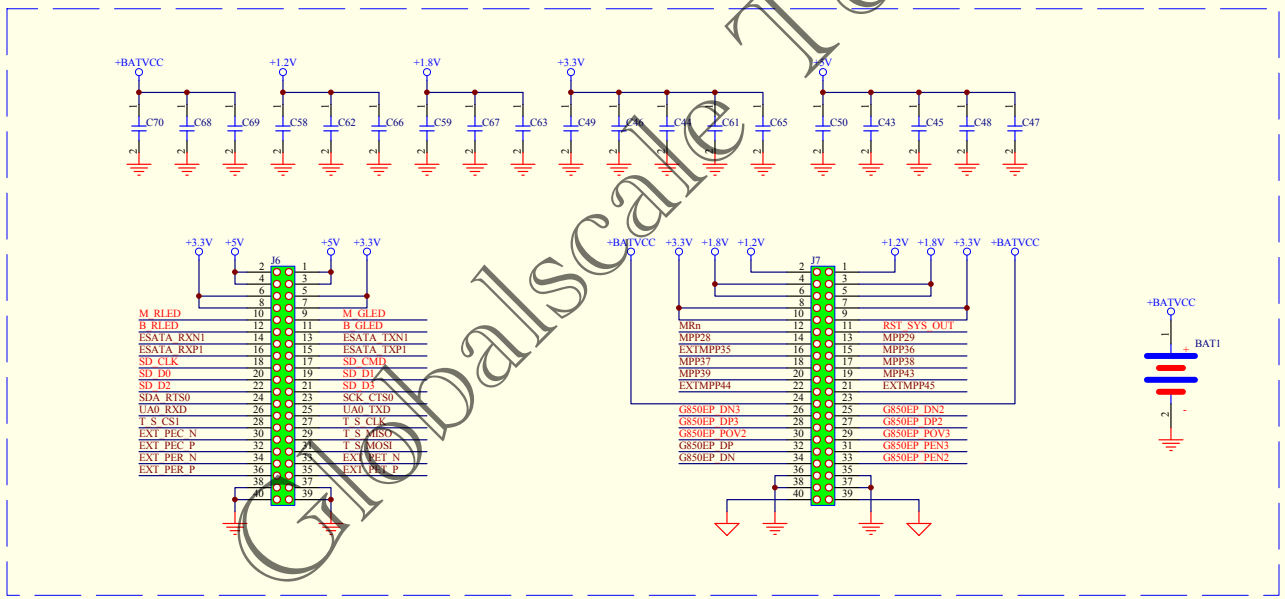





# SheevaPlug2_F2_V02_R02



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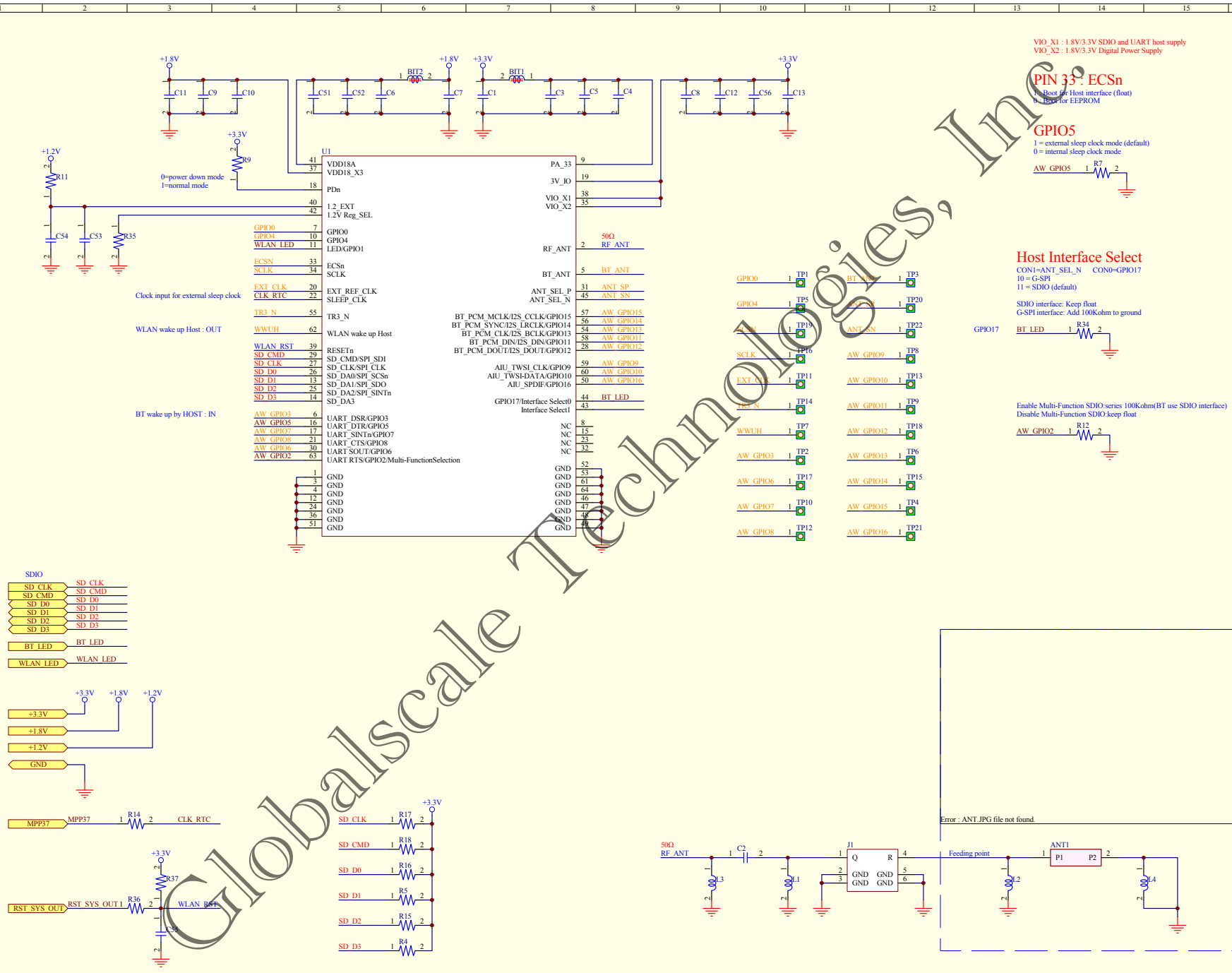
| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 11:38:35 | Sheet No. 8 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : SheevaPlug2_F2 | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |



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| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 11:38:35 | Sheet No. 8 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
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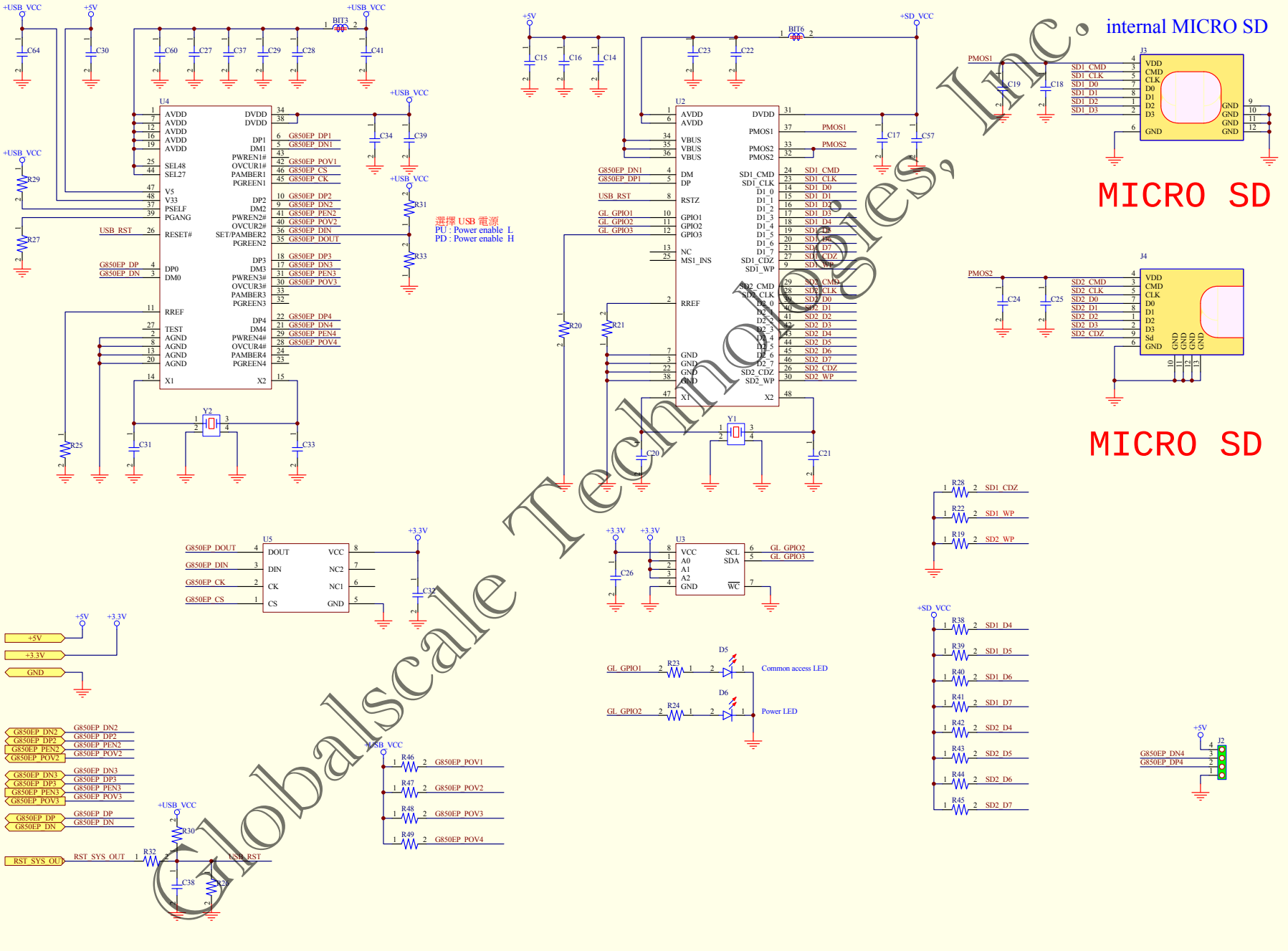




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| GLOBALSCALE www.globalscaletechnologies.com | SHEEVA PLUG | Date : 2-Apr-2010 | Time : 11:38:35 | Sheet No. 8 | Paper Size A3 | Designer : GTI-EE | Remark | Modify: SHEEVA II |
| | | File : USB_SDCARD.Sch | | Total pages : 10 | | drawer : GTI-EE | | Print Area X:1550 Y:1110 |