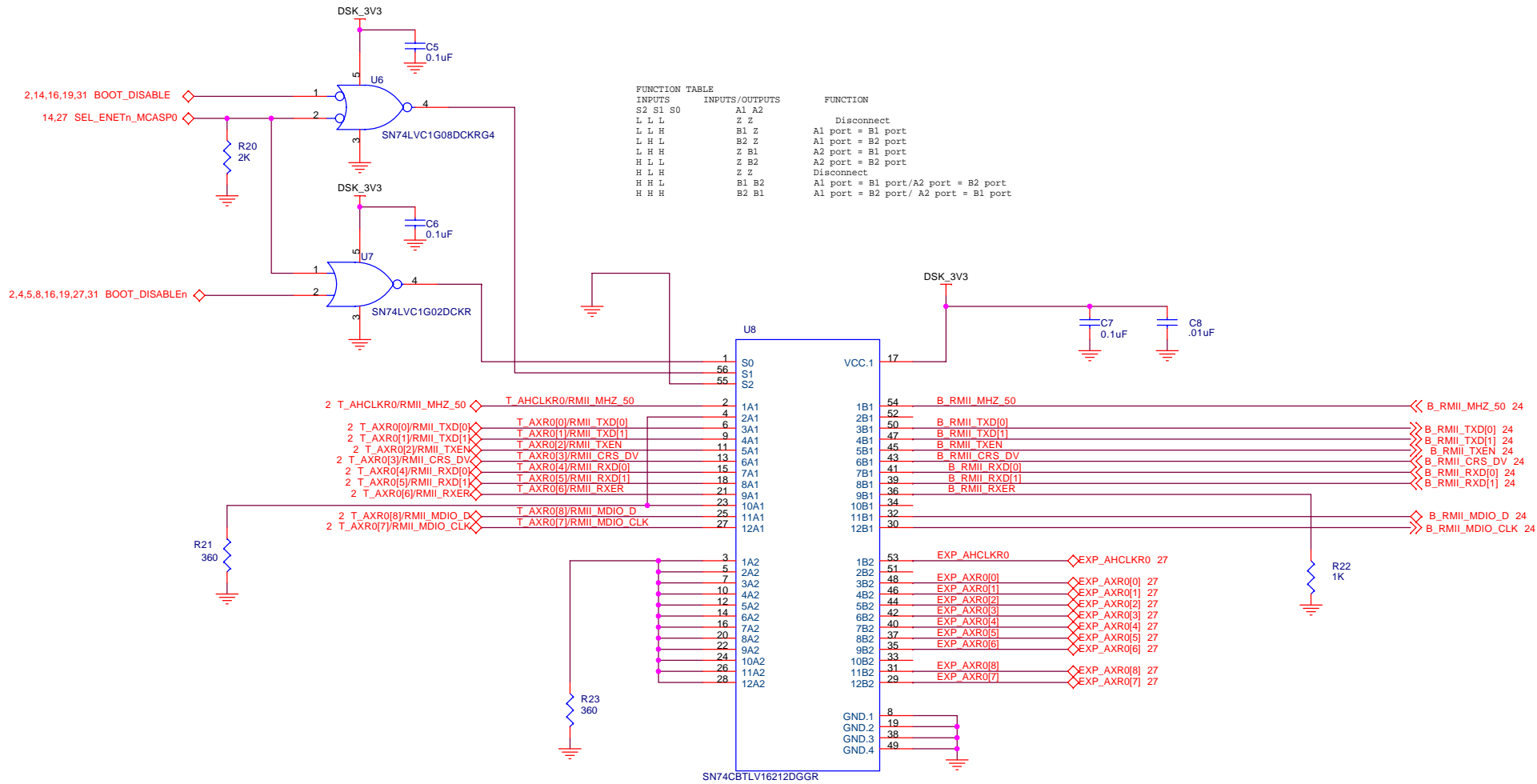
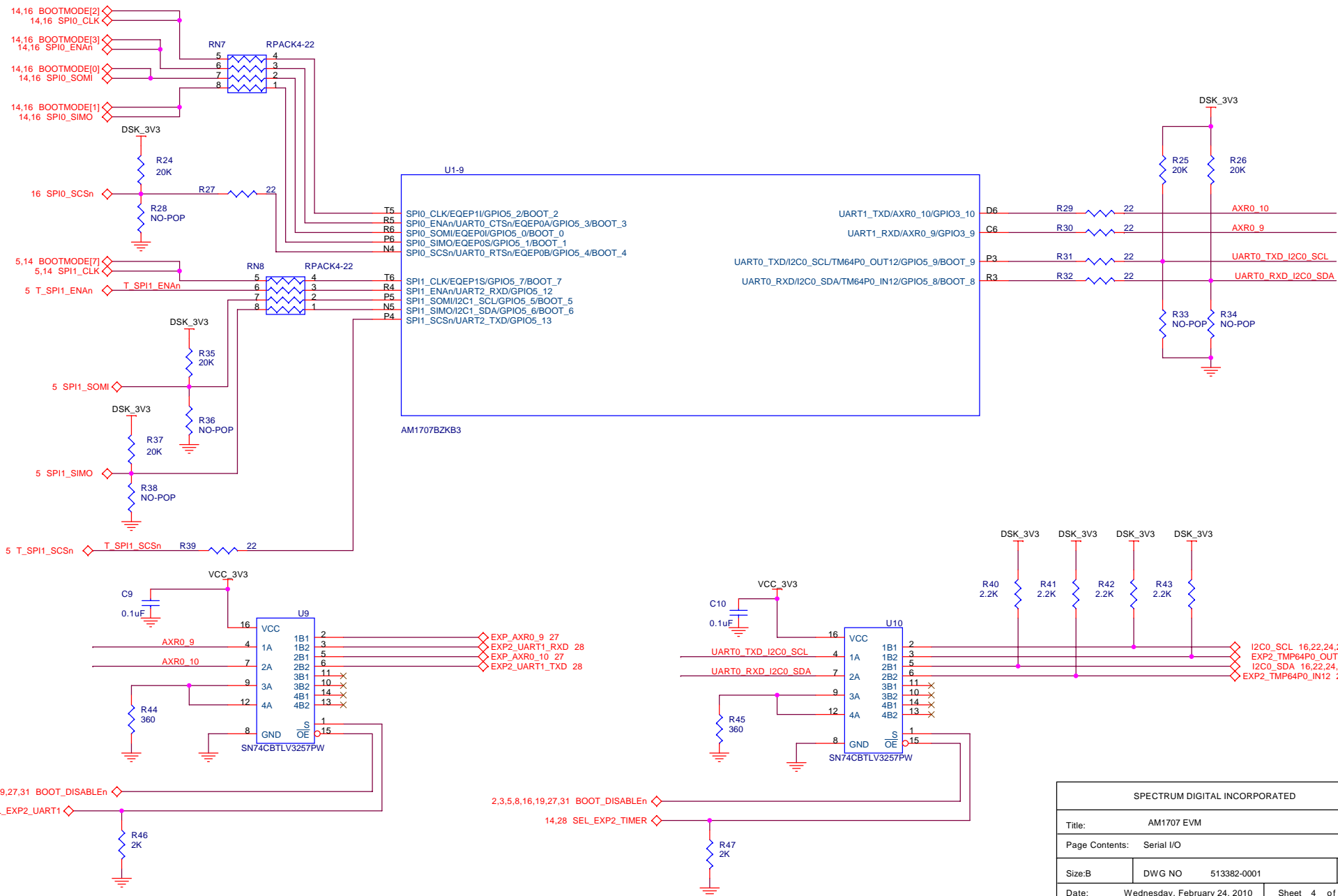


MCLK: AHCLKX1 (drive this clock into McASP)
 BCLK: ACLKX1 (McASP will drive this into the AIC)
 WCLK: AFSX1 (McASP will drive this into the AIC)
 DIN: AXR1[5] (McASP)
 DOUT: AXR1[0] (McASP)
 McASP generates the Tx bit and frame clocks.
 Configure McASP such that the Rx section operates off of the Tx section clocks.

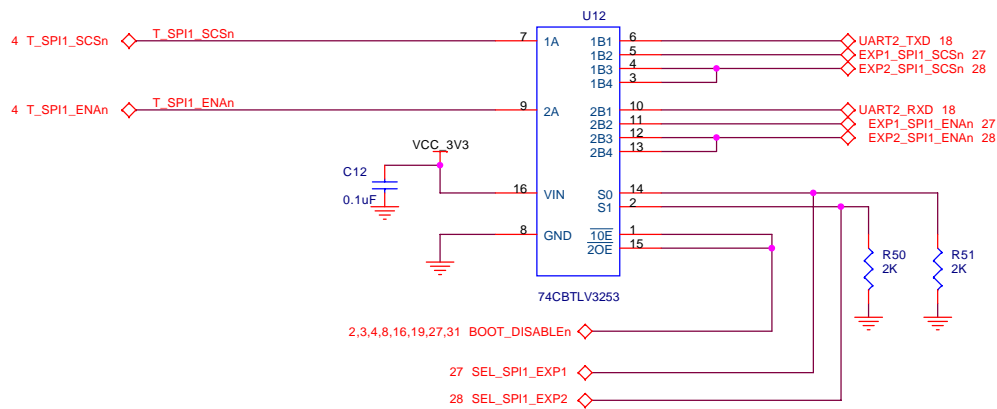
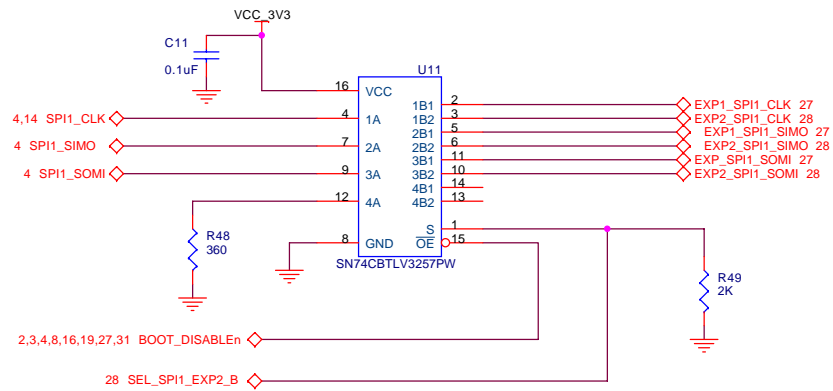
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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: McASP/Ethernet MAC | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 2 of | 32 |



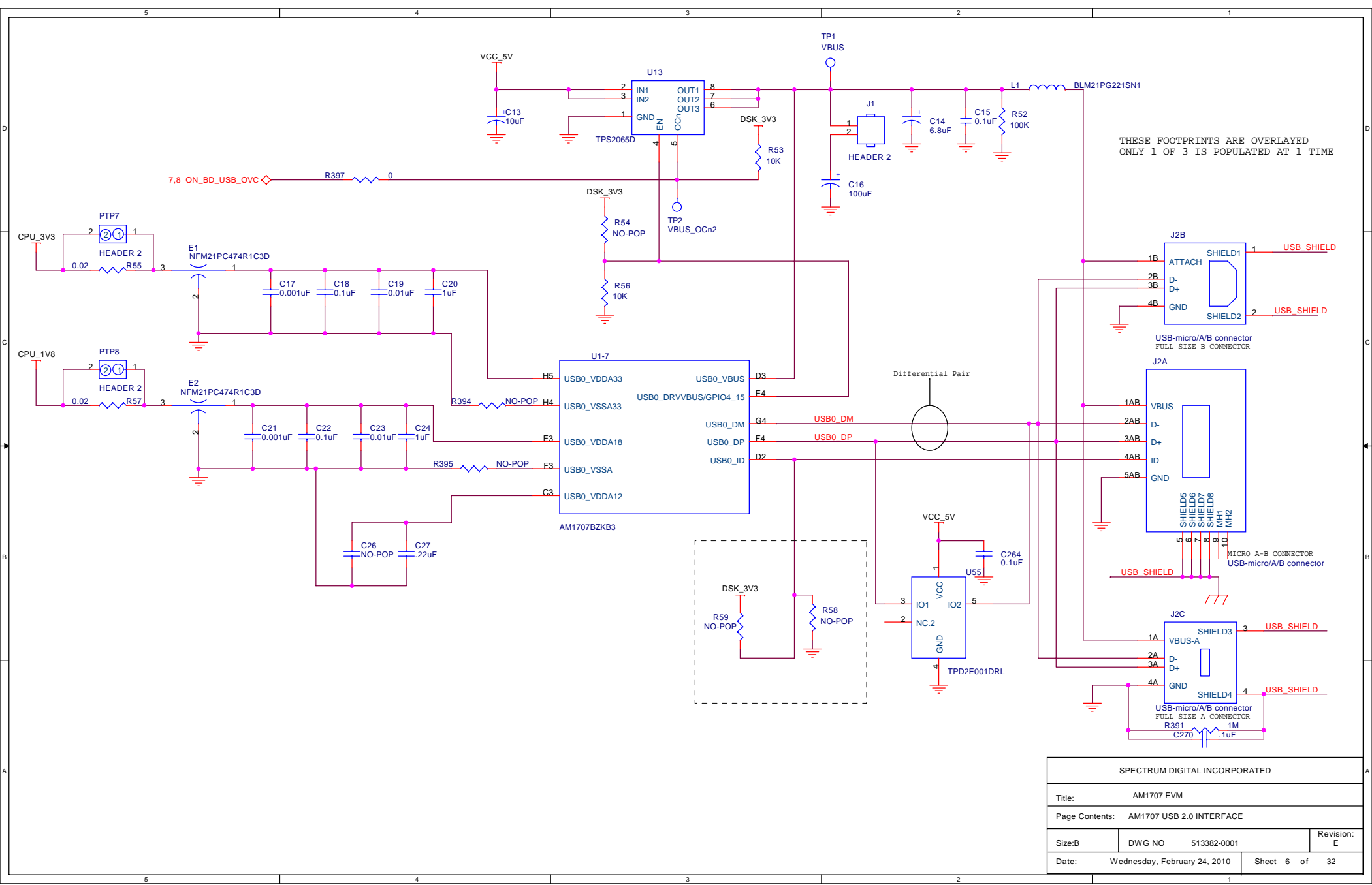
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| Title: AM1707 EVM | | | |
| Page Contents: Ethernet Muxes | | | |
| Size: B | DWG NO | 513382-0001 | Revision: B |
| Date: | Wednesday, February 24, 2010 | Sheet 3 of | 32 |



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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: Serial I/O | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: Wednesday, February 24, 2010 | Sheet 4 of 32 | | |

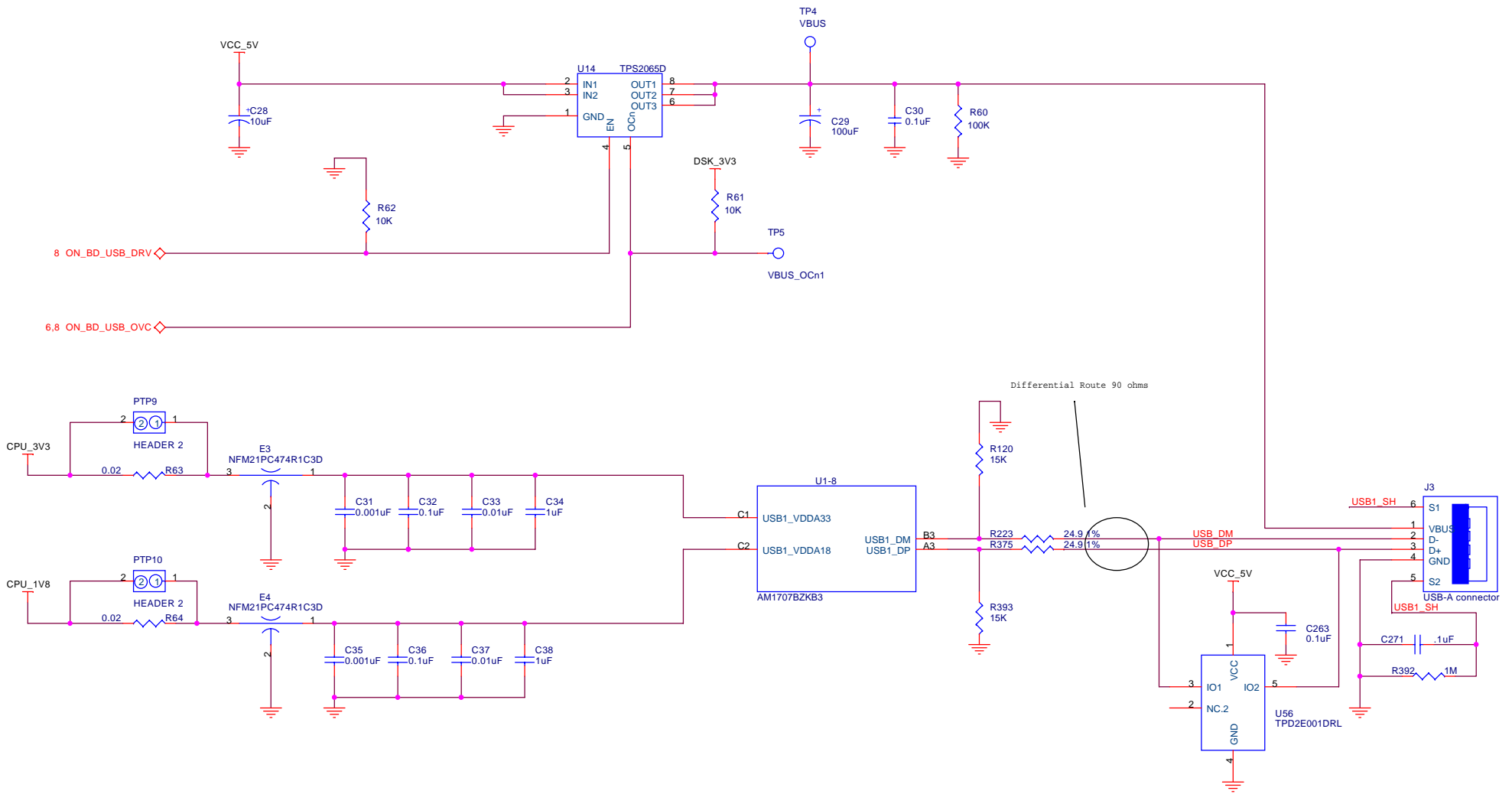


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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: SPI MUXING | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 5 of | 32 |

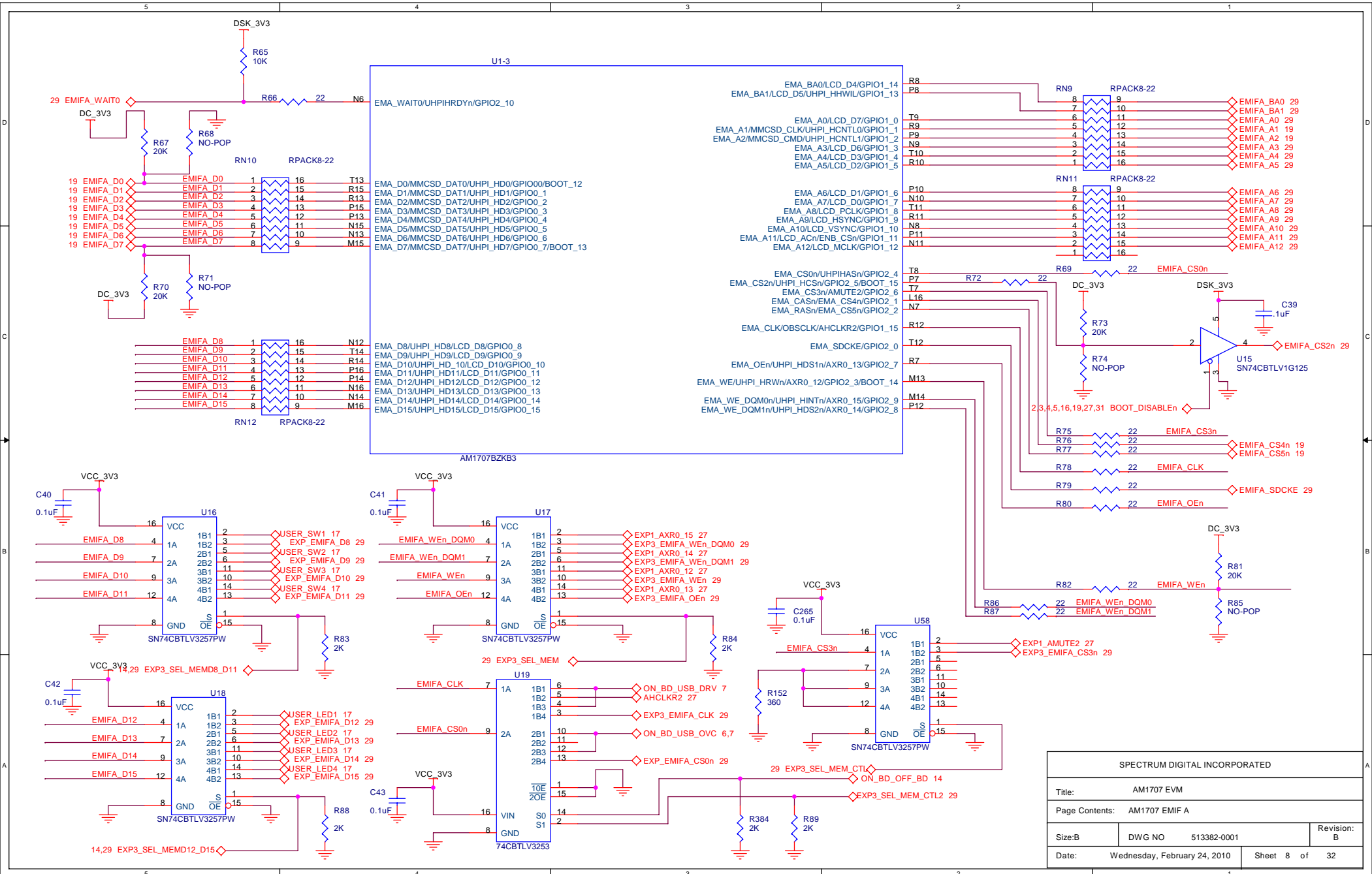


THESE FOOTPRINTS ARE OVERLAYED ONLY 1 OF 3 IS POPULATED AT 1 TIME

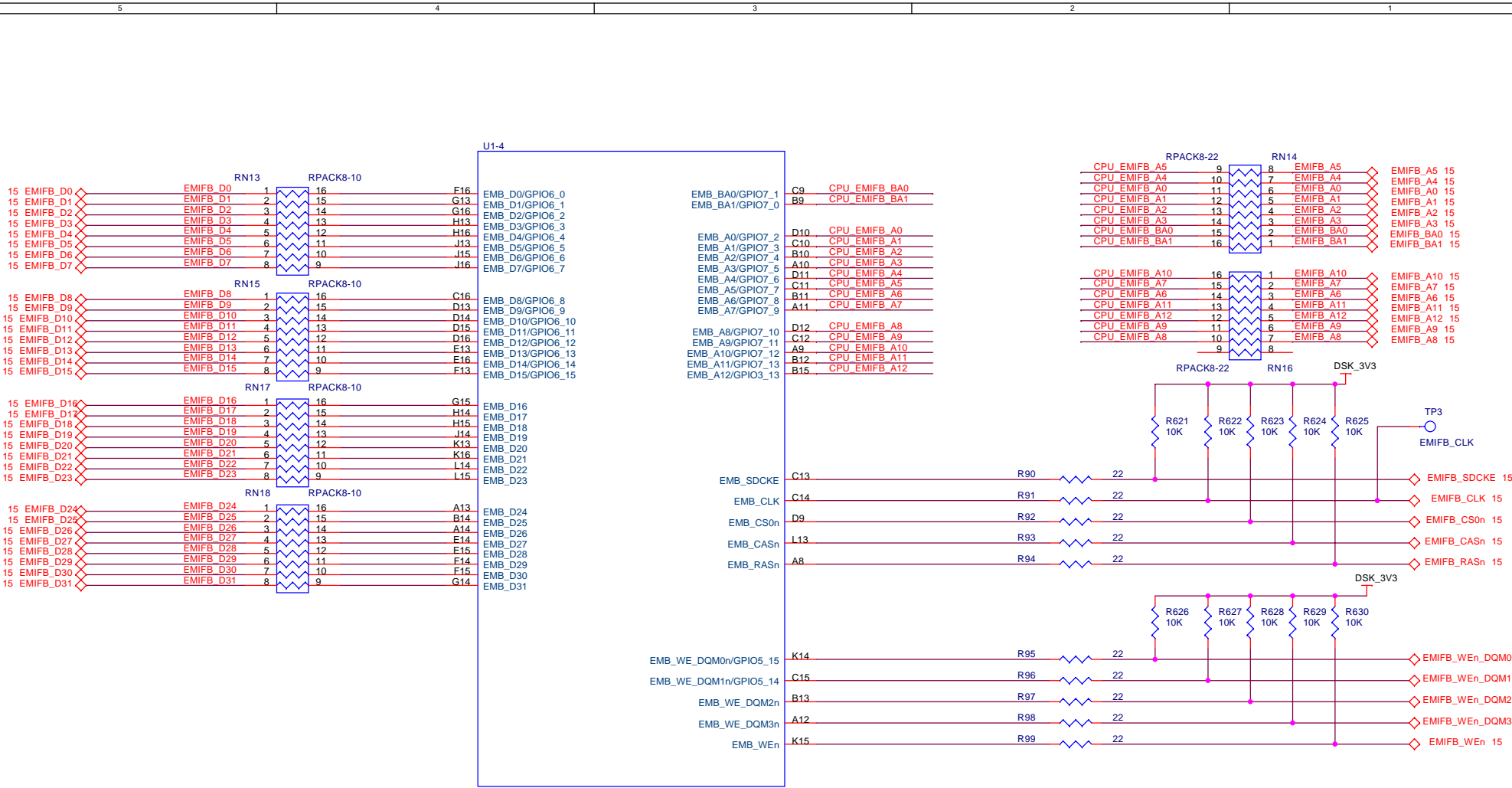
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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: | | AM1707 EVM | |
| Page Contents: AM1707 USB 2.0 INTERFACE | | | |
| Size: B | DWG NO | 513382-0001 | Revision: E |
| Date: | Wednesday, February 24, 2010 | Sheet 6 of | 32 |



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|---------------------------------------|------------------------------|-------------|-------------|
| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: | | AM1707 EVM | |
| Page Contents: USB 1.0 HOST INTERFACE | | | |
| Size: B | DWG NO | 513382-0001 | Revision: E |
| Date: | Wednesday, February 24, 2010 | Sheet 7 | of 32 |

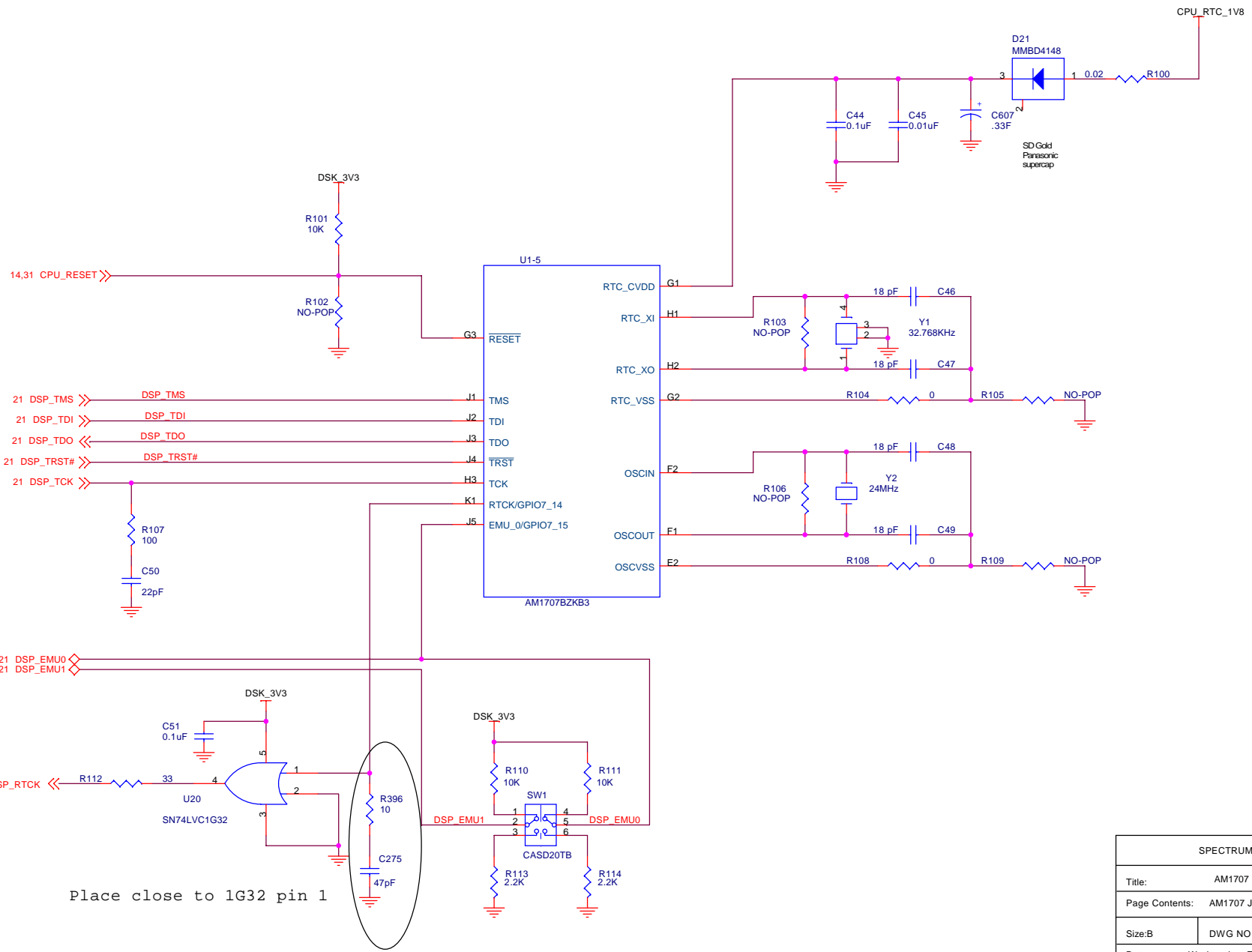


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| Title: AM1707 EVM | | | |
| Page Contents: AM1707 EMIF A | | | |
| Size: B | DWG NO: 513382-0001 | Revision: B | |
| Date: Wednesday, February 24, 2010 | Sheet 8 of 32 | | |



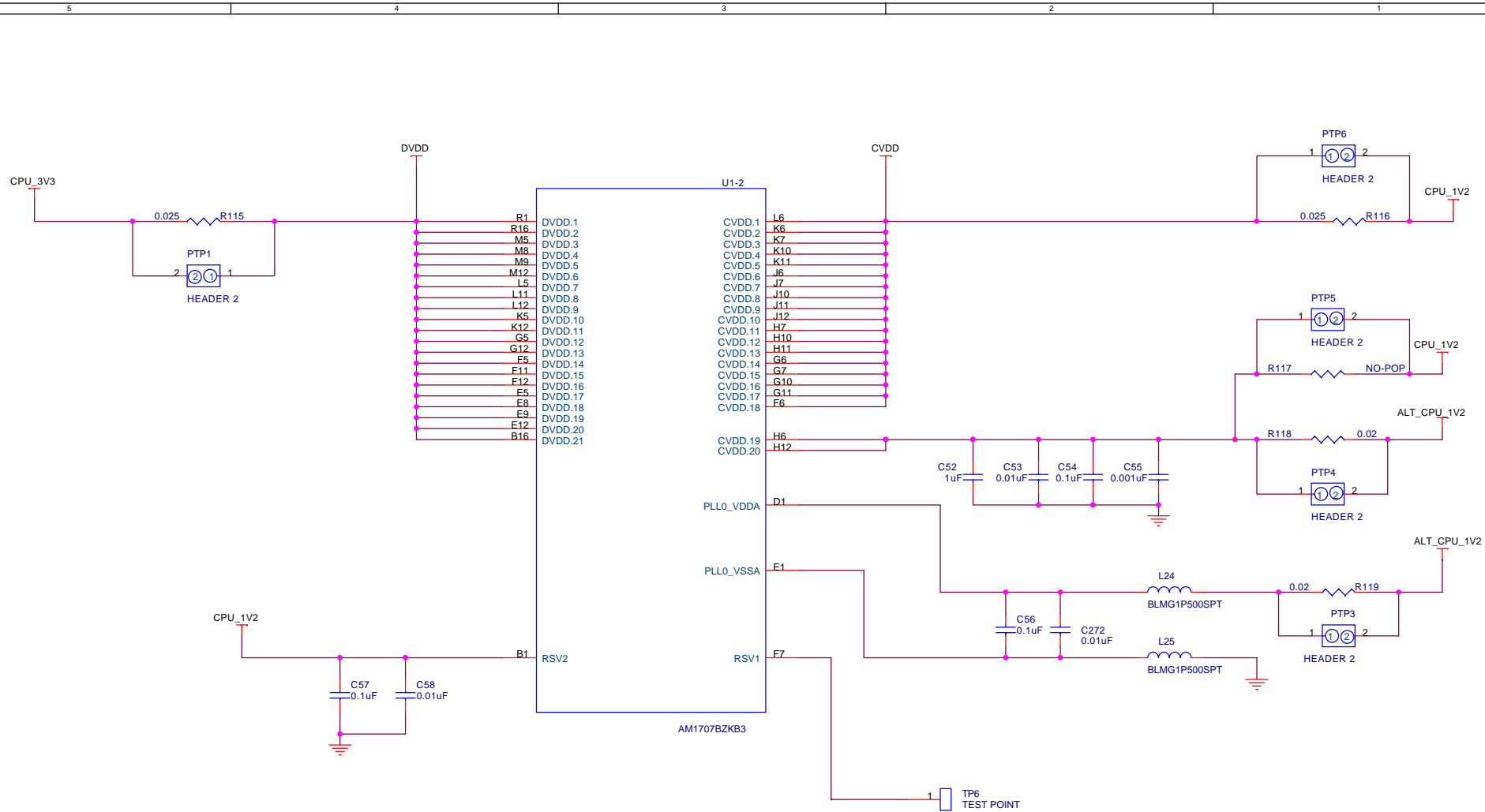
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| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 9 of | 32 |

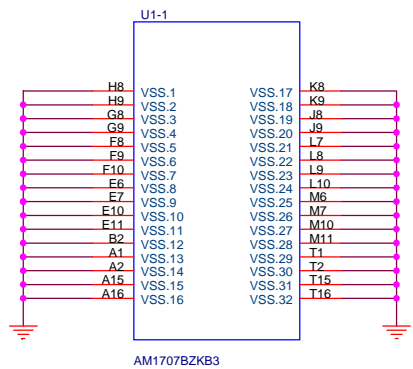


Place close to 1G32 pin 1

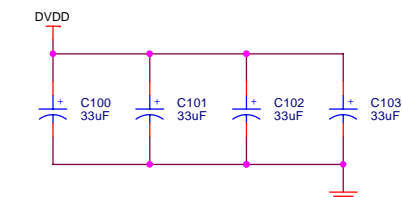
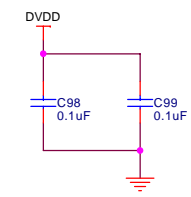
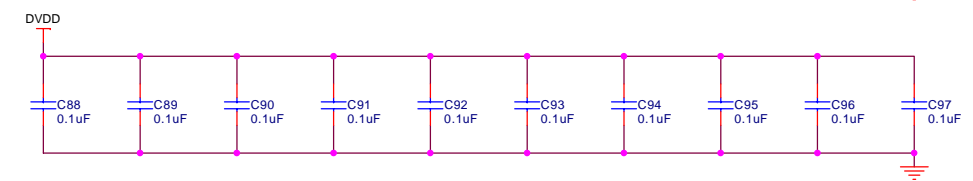
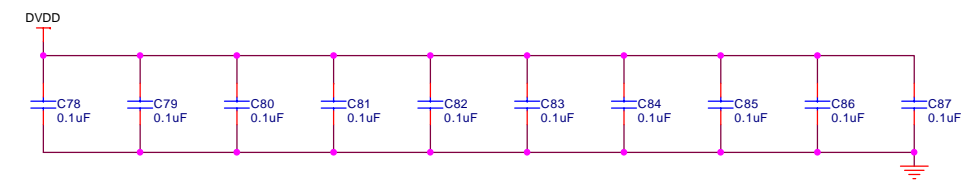
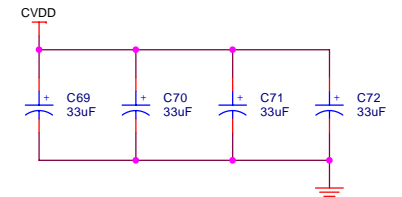
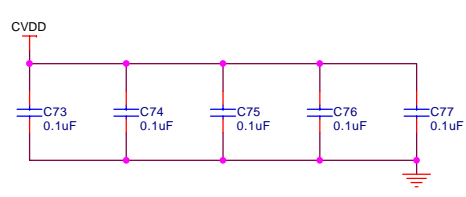
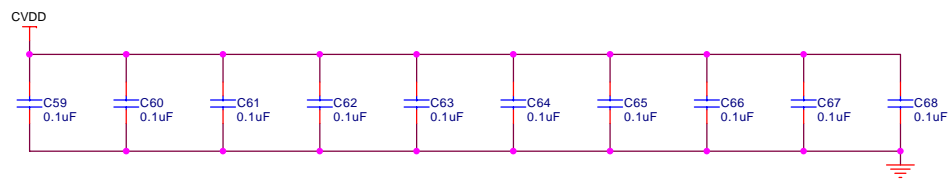
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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: | | AM1707 EVM | |
| Page Contents: AM1707 JTAG/CLOCKS | | | |
| Size: B | DWG NO | 513382-0001 | Revision: F |
| Date: | Wednesday, February 24, 2010 | Sheet | 10 of 32 |



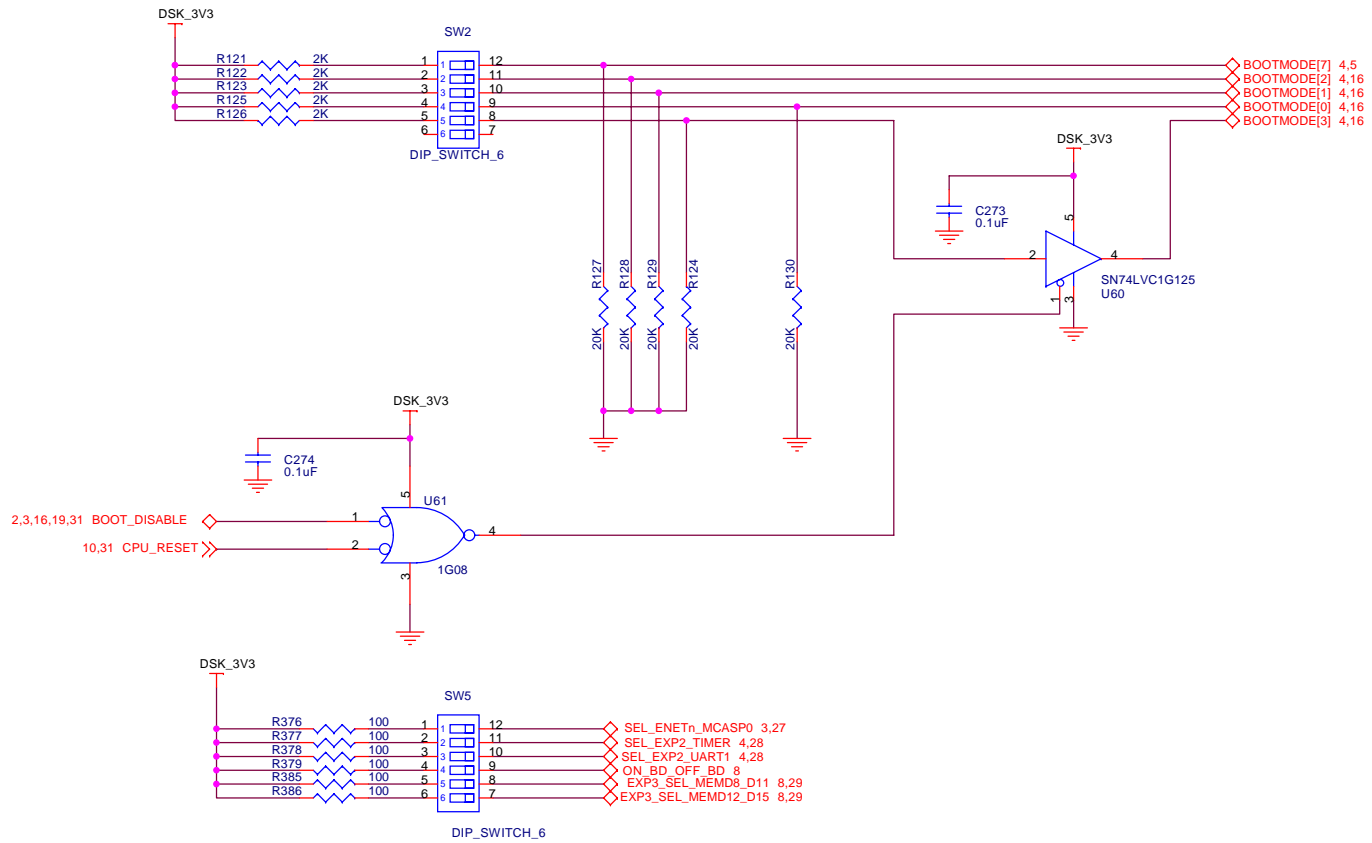
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| Title: AM1707 EVM | | | |
| Page Contents: AM1707 POWER PINS | | | |
| Size: B | DWG NO | 513382-0001 | Revision: C |
| Date: | Wednesday, February 24, 2010 | Sheet 11 of | 32 |



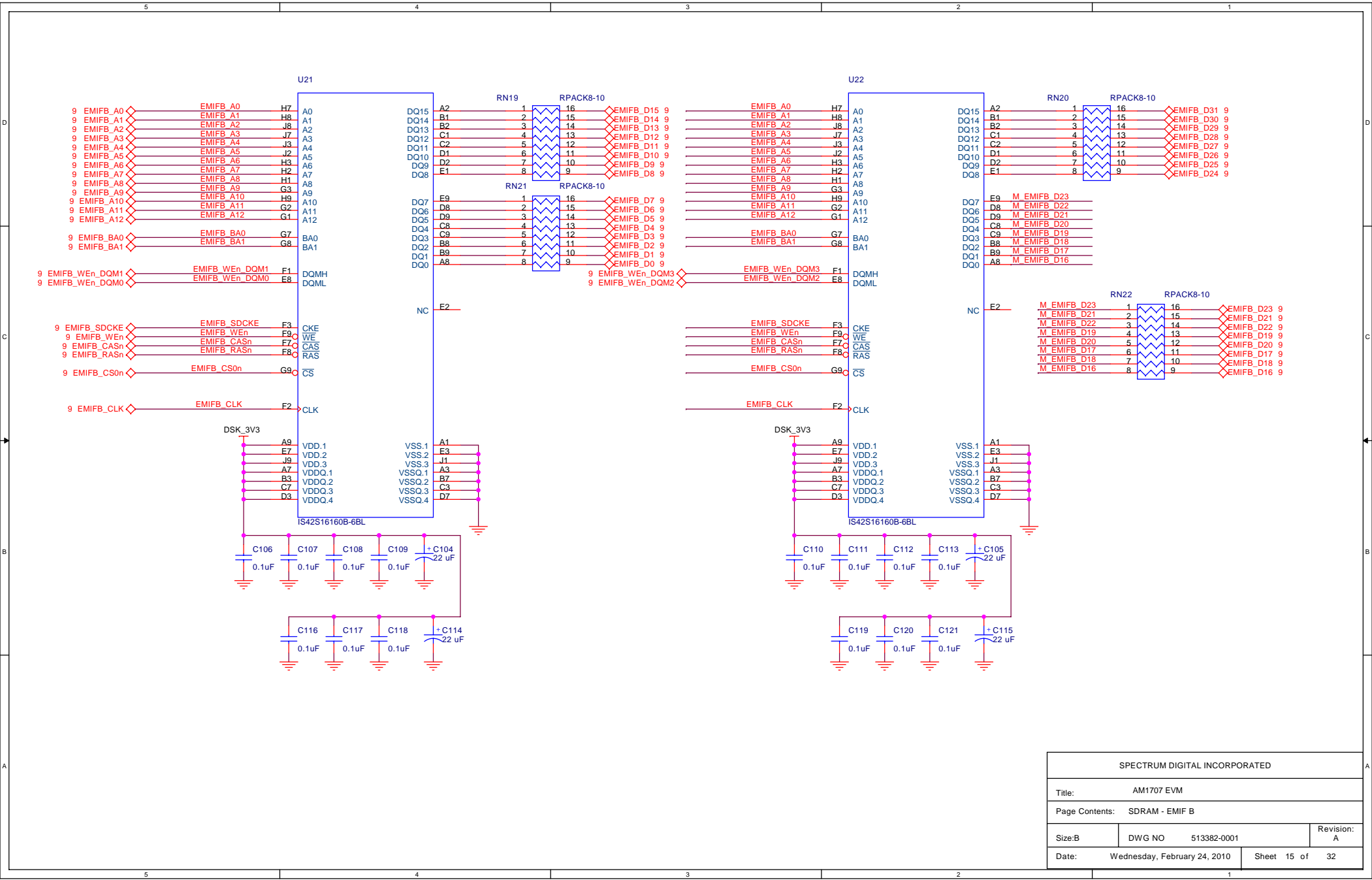
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| Title: AM1707 EVM | | | |
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| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 12 of | 32 |



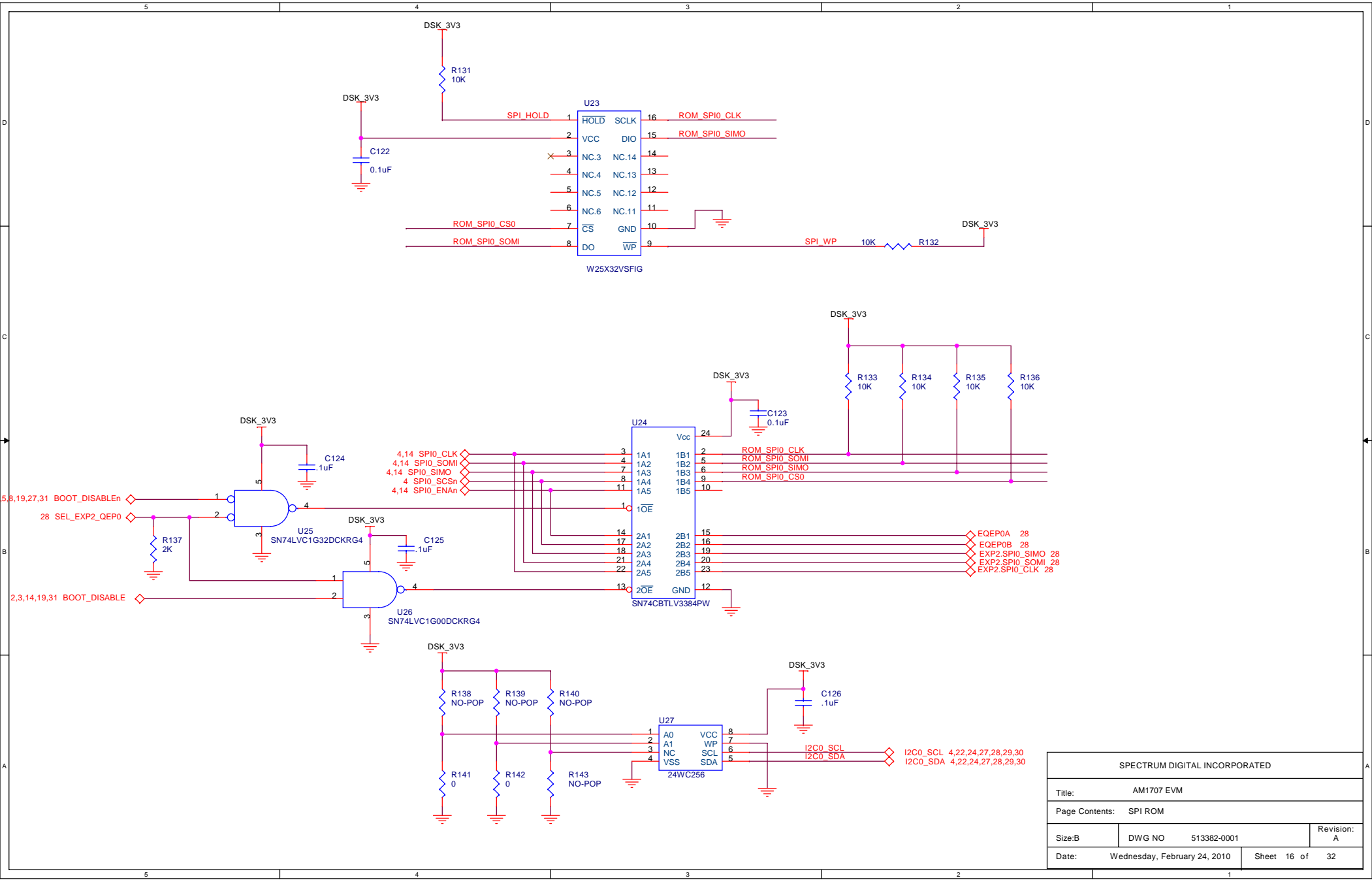
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| Title: AM1707 EVM | | | |
| Page Contents: AM1707 DECOUPLING CAPACITORS | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 13 of | 32 |



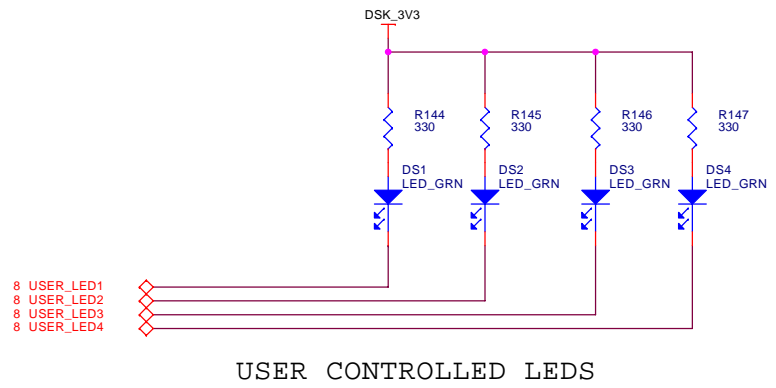
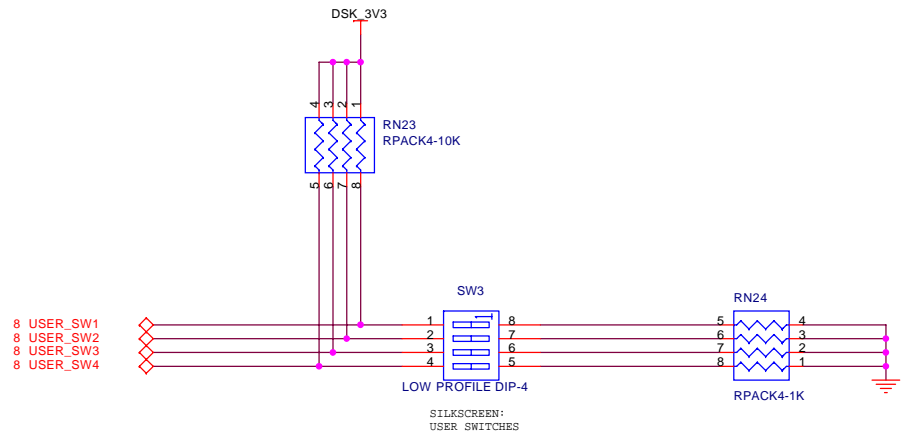
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| Title: | | AM1707 EVM | |
| Page Contents: BOOT MODES | | | |
| Size: B | DWG NO | 513382-0001 | Revision: C |
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|-------------------------------|------------------------------|-------------|----------------|
| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: SDRAM - EMIF B | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | | Sheet 15 of 32 |

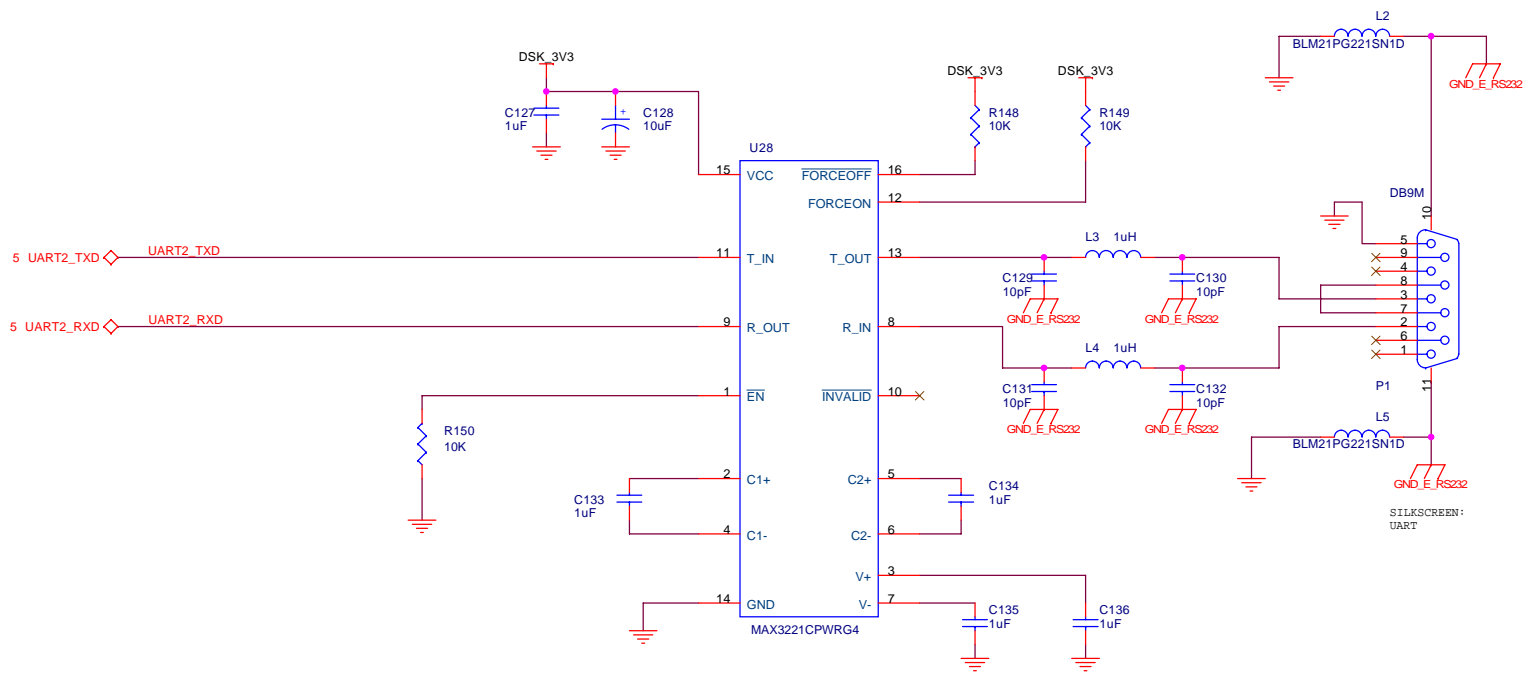


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| Title: AM1707 EVM | | | |
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| Size: B | DWG NO: 513382-0001 | Revision: A | |
| Date: Wednesday, February 24, 2010 | Sheet 16 of 32 | | |



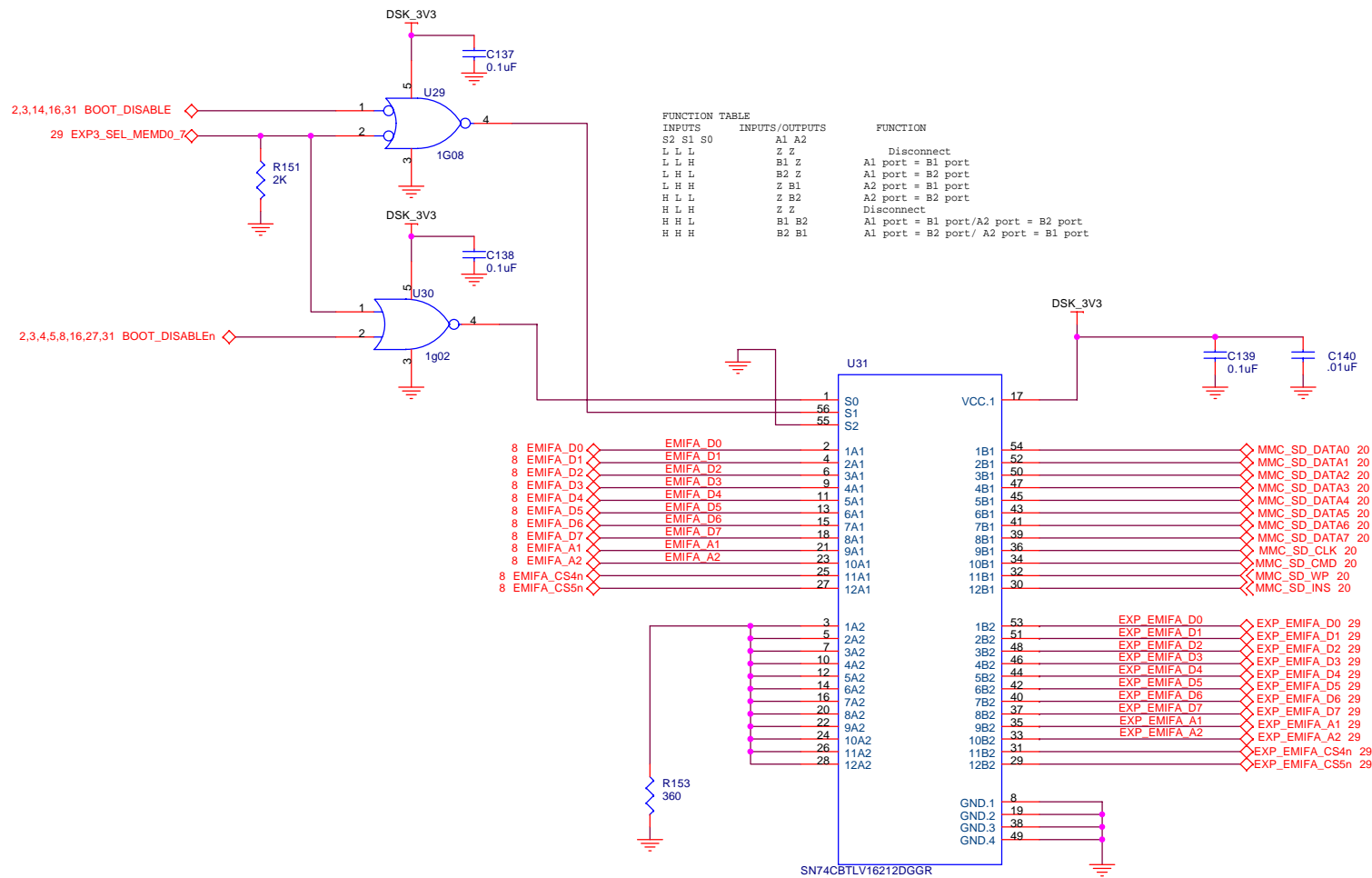
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| Title: AM1707 EVM | | | |
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| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 17 of | 32 |

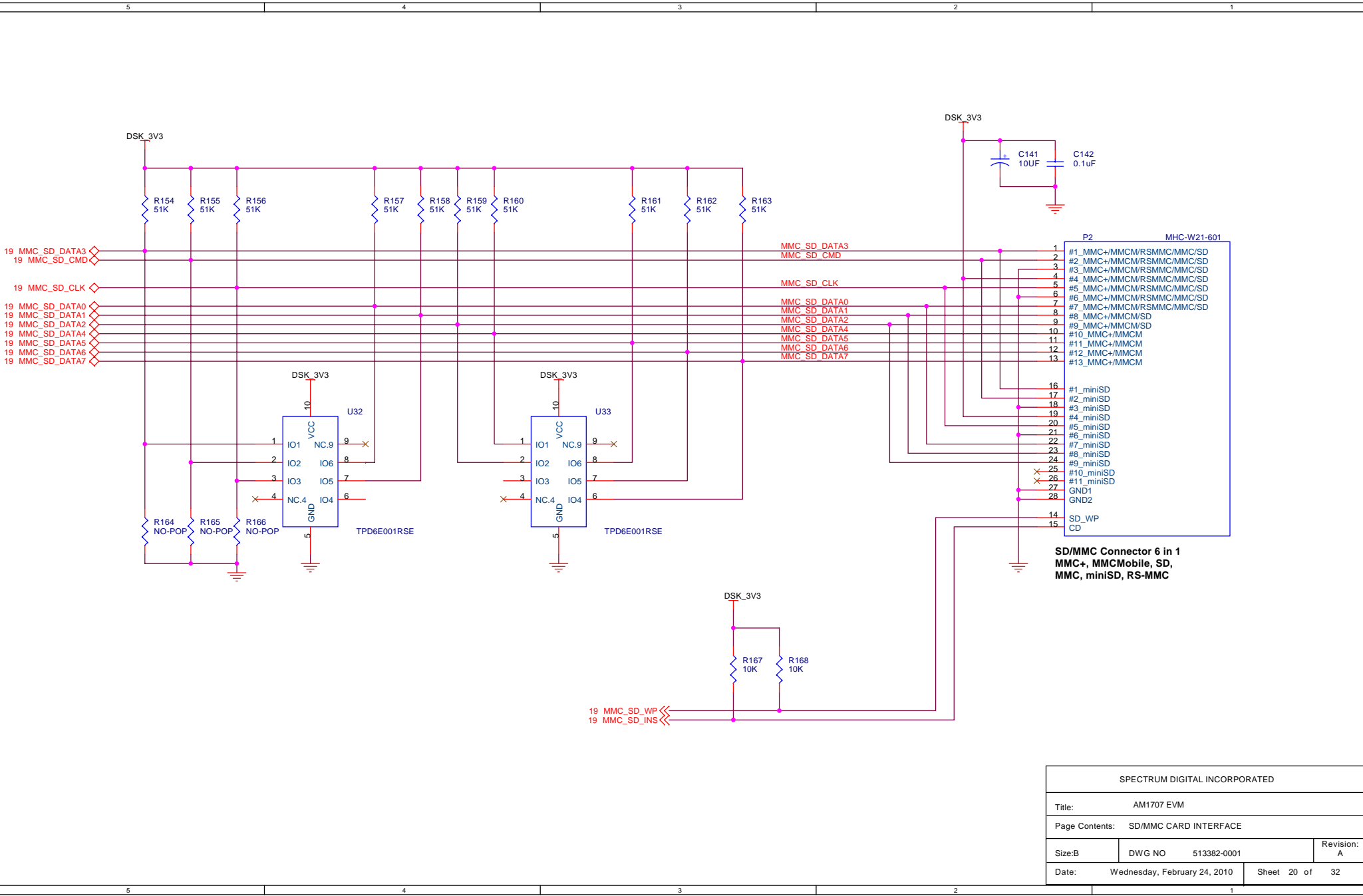
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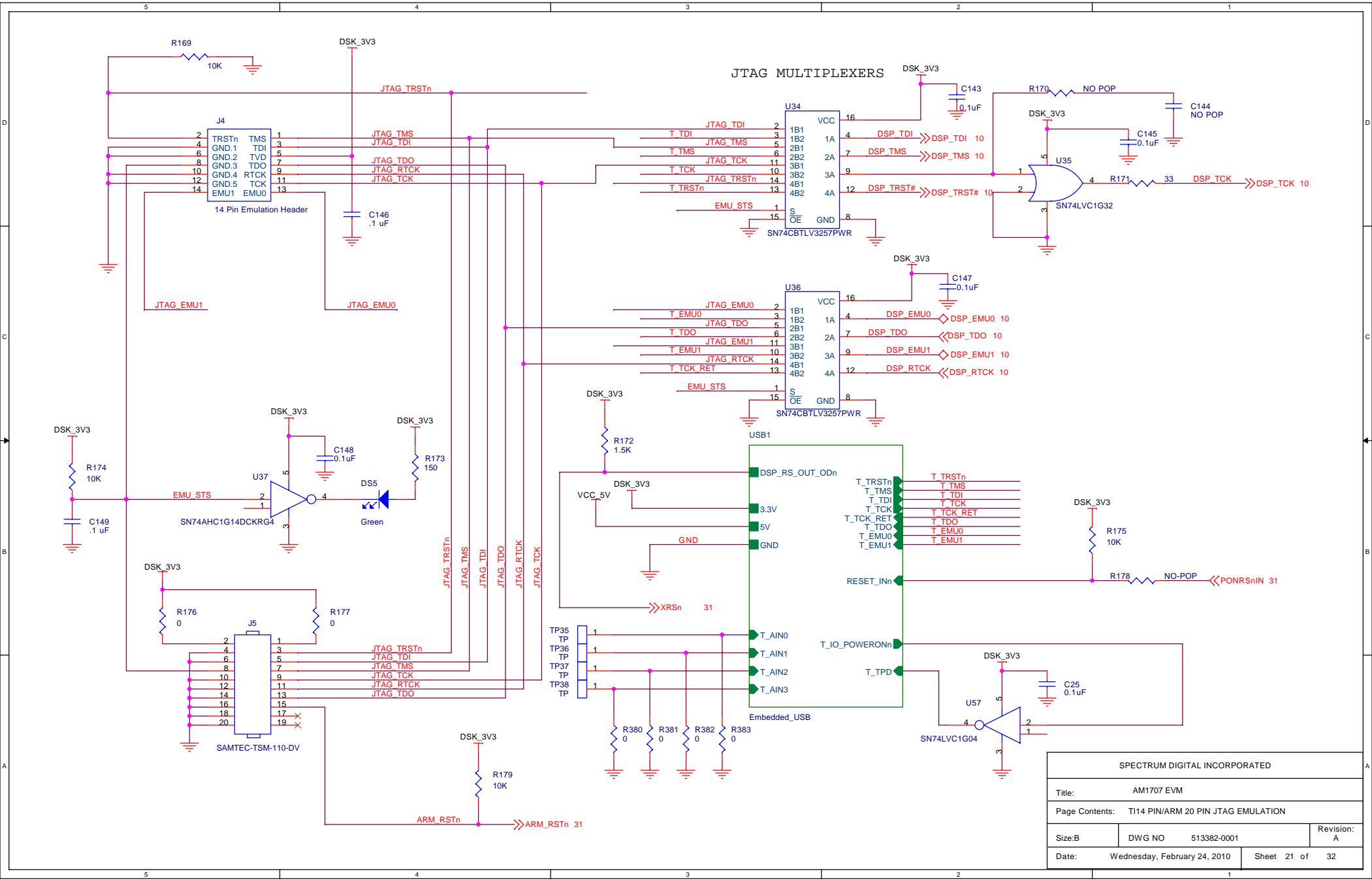
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| Title: AM1707 EVM | | | |
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| Size: B | DWG NO | 513382-0001 | Revision: A |
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5 4 3 2 1

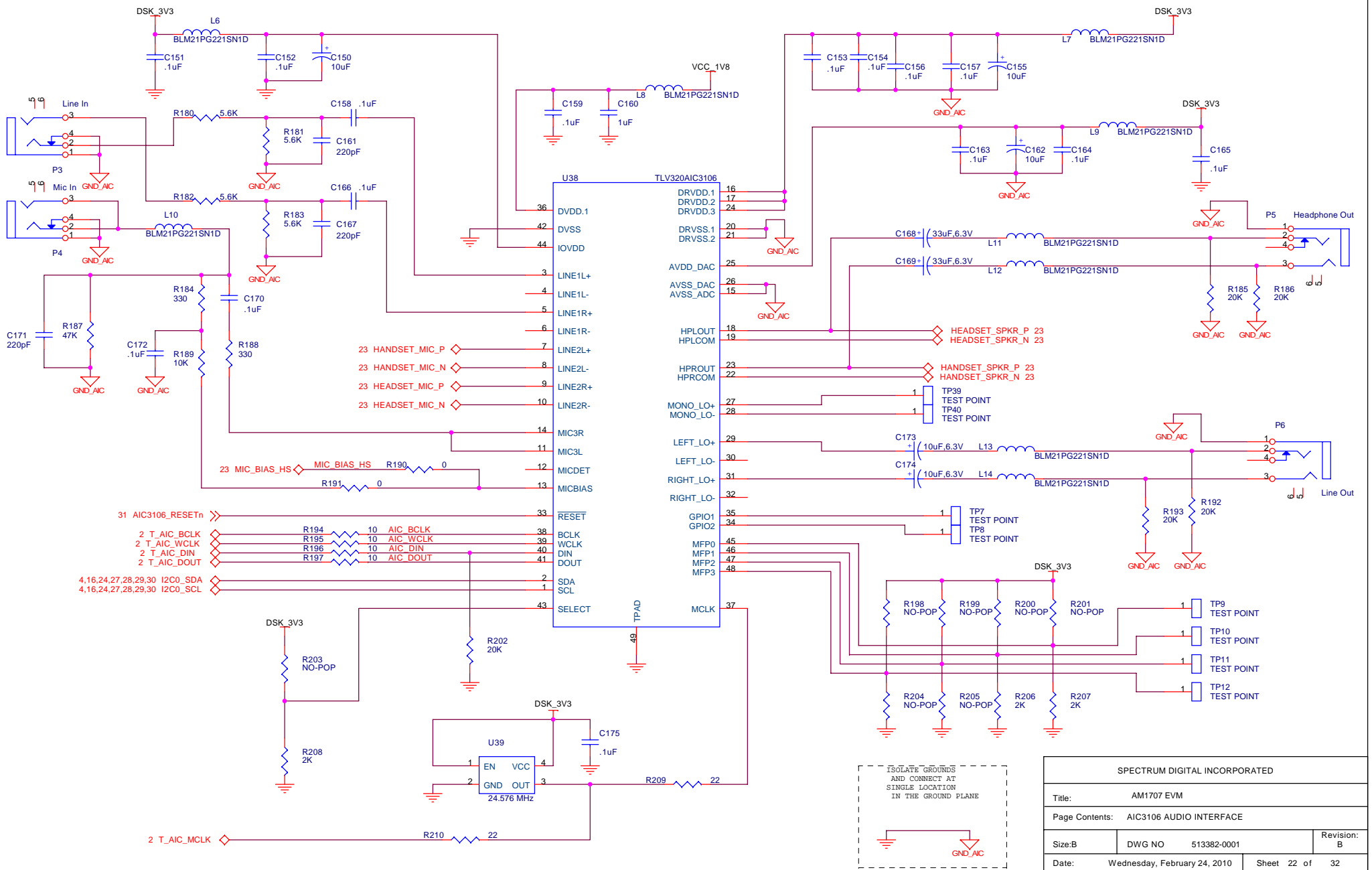




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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: SD/MMC CARD INTERFACE | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
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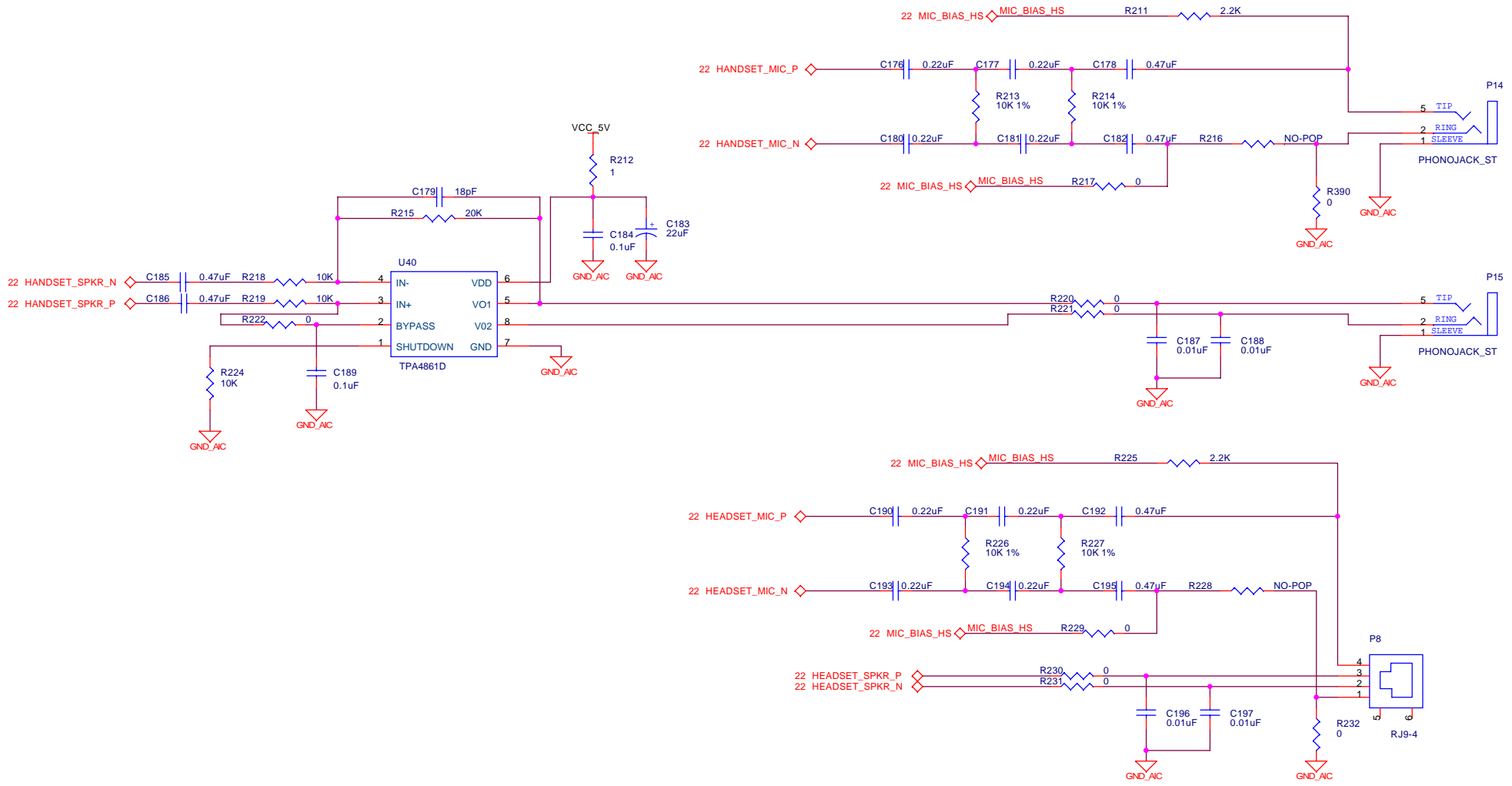


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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: T114 PIN/ARM 20 PIN JTAG EMULATION | | | |
| Size: B | DWG NO: 513382-0001 | Revision: A | |
| Date: Wednesday, February 24, 2010 | Sheet 21 of 32 | | |

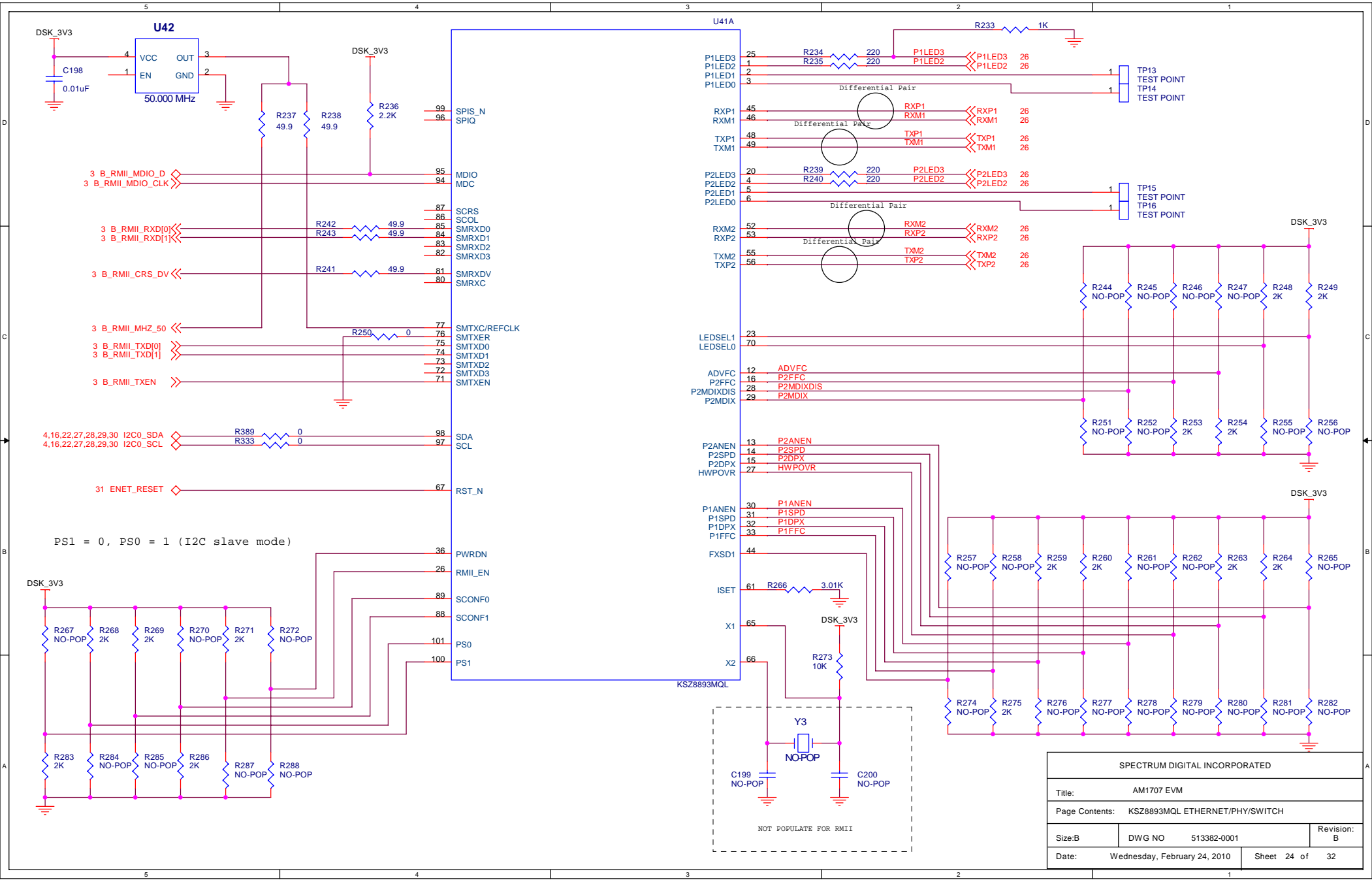


ISOLATE GROUNDS
AND CONNECT AT
SINGLE LOCATION
IN THE GROUND PLANE

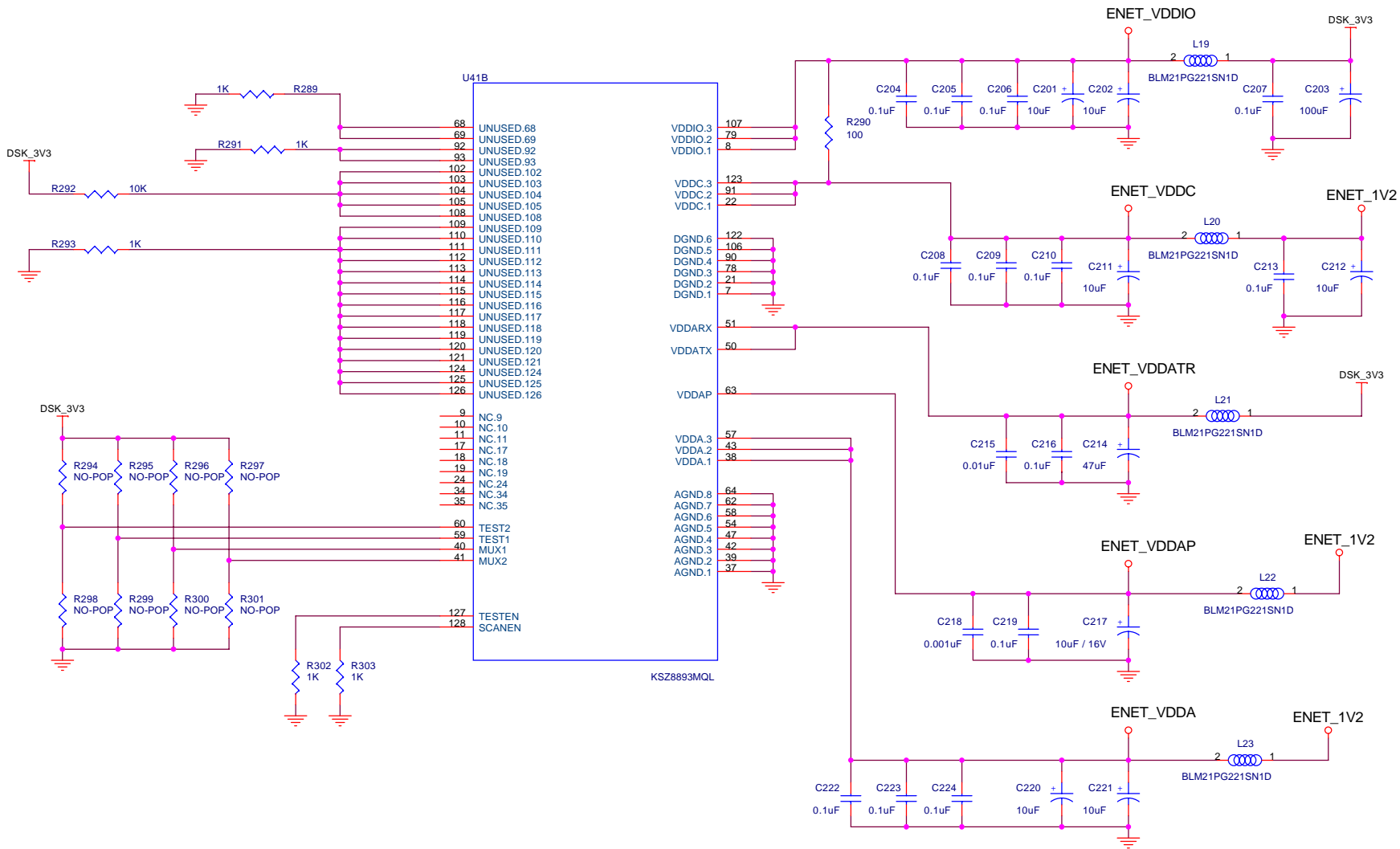
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| Page Contents: AIC3106 AUDIO INTERFACE | | | |
| Size: B | DWG NO | 513382-0001 | Revision: B |
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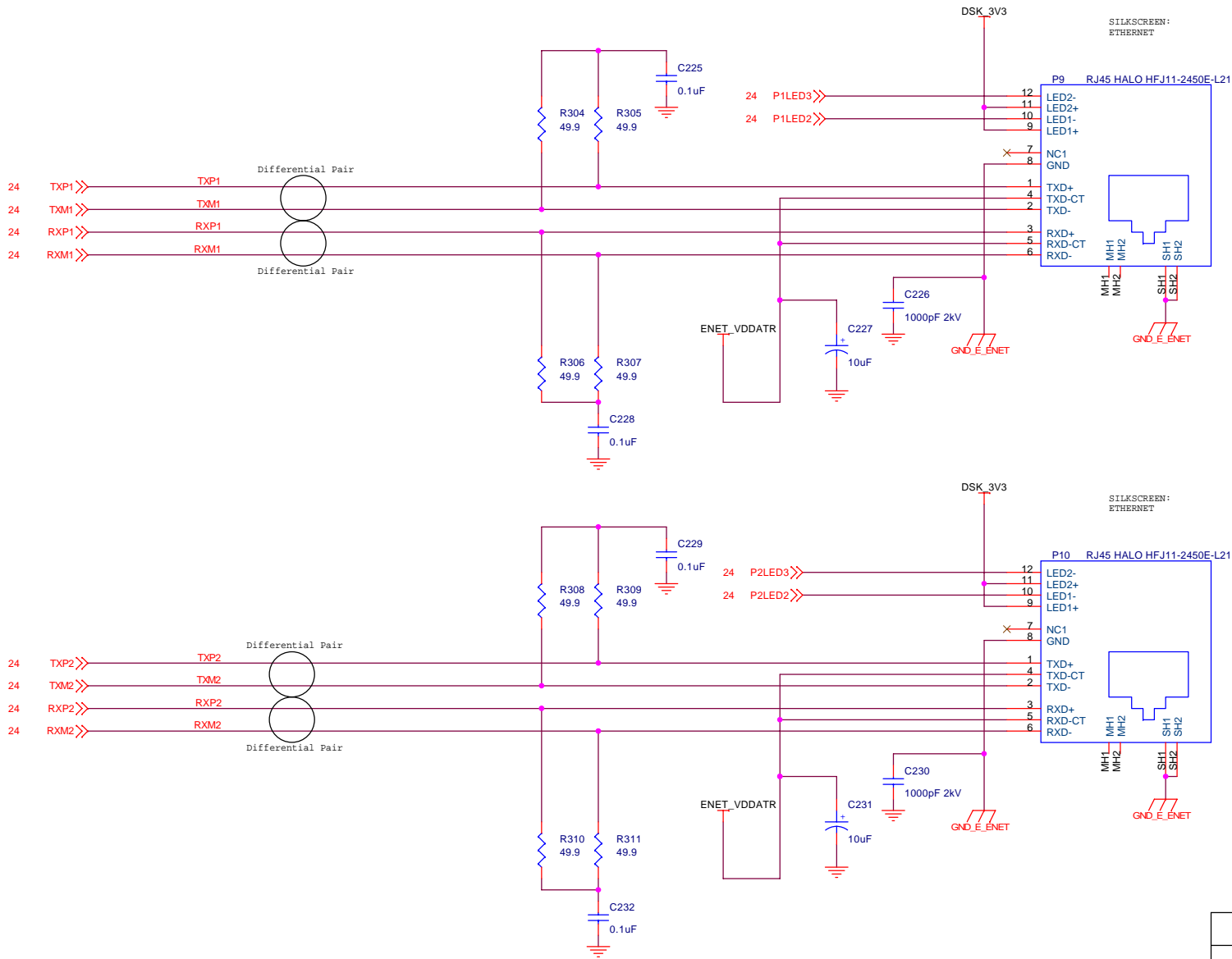
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| Title: AM1707 EVM | | | |
| Page Contents: AIC3106 VOIP INTERFACE | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
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| SPECTRUM DIGITAL INCORPORATED | | | |
|---|----------------|-------------|-------------|
| Title: AM1707 EVM | | | |
| Page Contents: KSZ8893MQL ETHERNET/PHY/SWITCH | | | |
| Size: B | DWG NO | 513382-0001 | Revision: B |
| Date: Wednesday, February 24, 2010 | Sheet 24 of 32 | | |

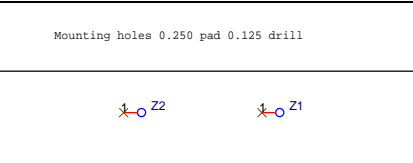
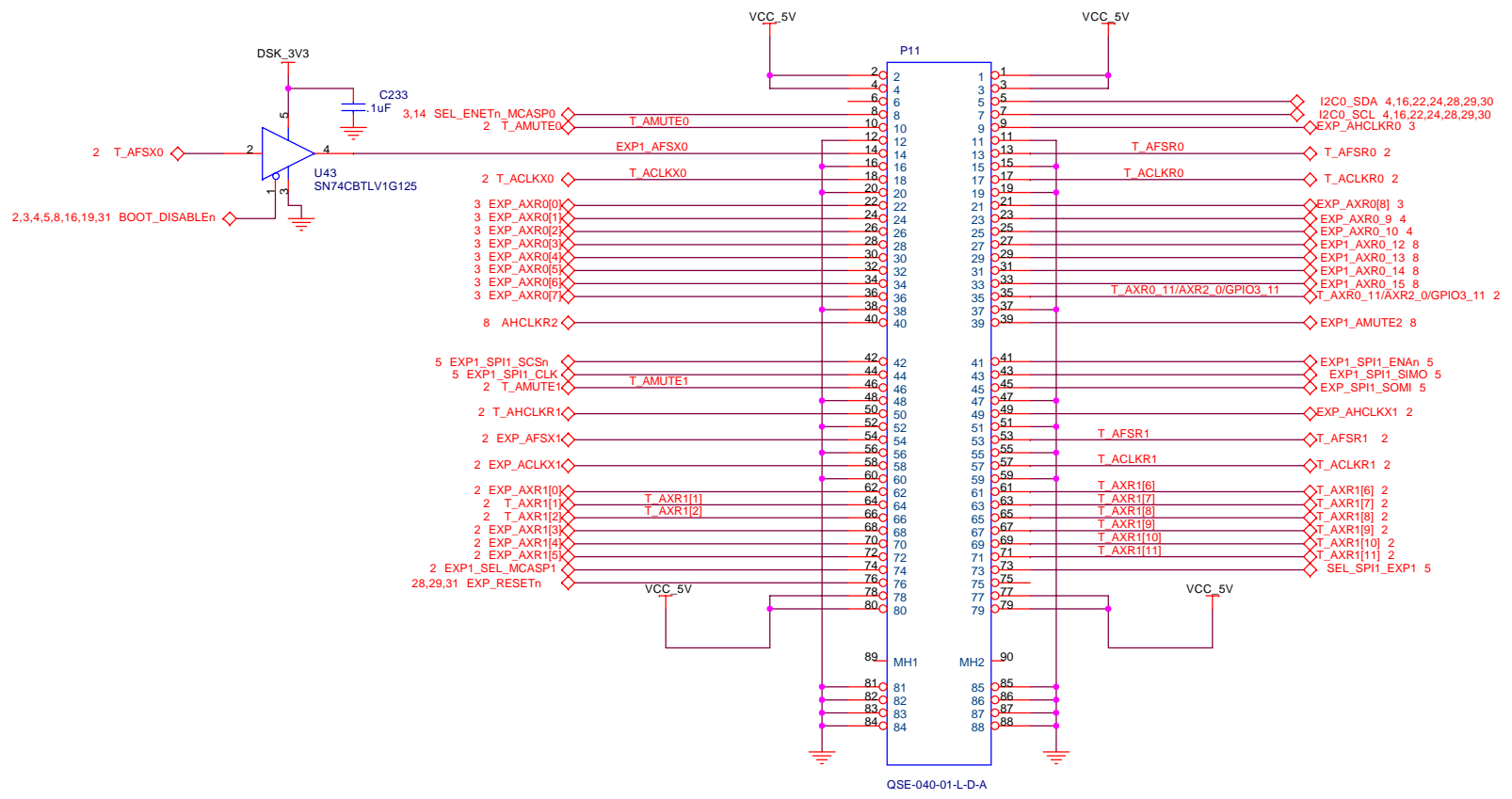


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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
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| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 25 of | 32 |



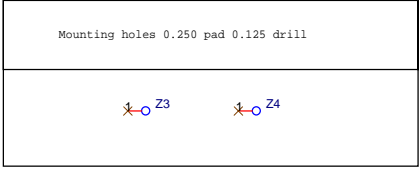
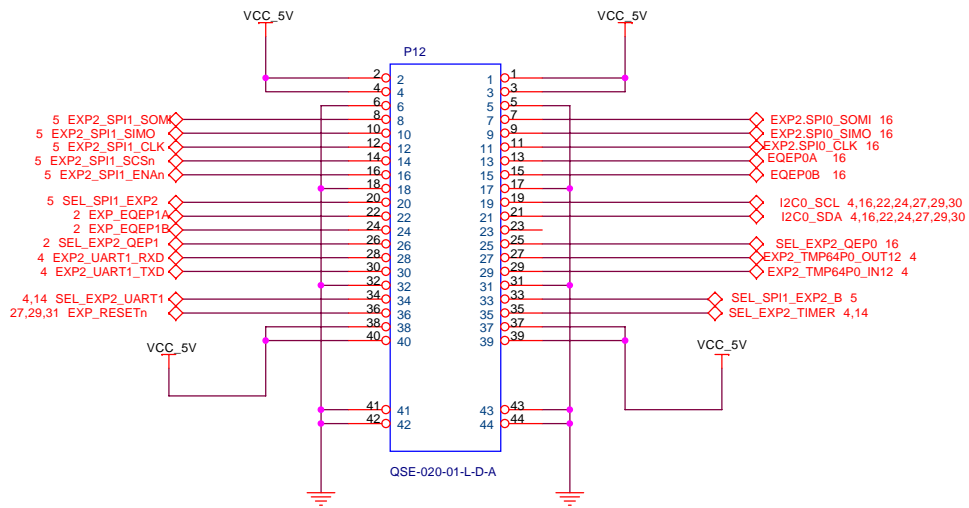
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| Title: AM1707 EVM | | | |
| Page Contents: KSZ8893MQL ETHERNET PORTS | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 26 of | 32 |

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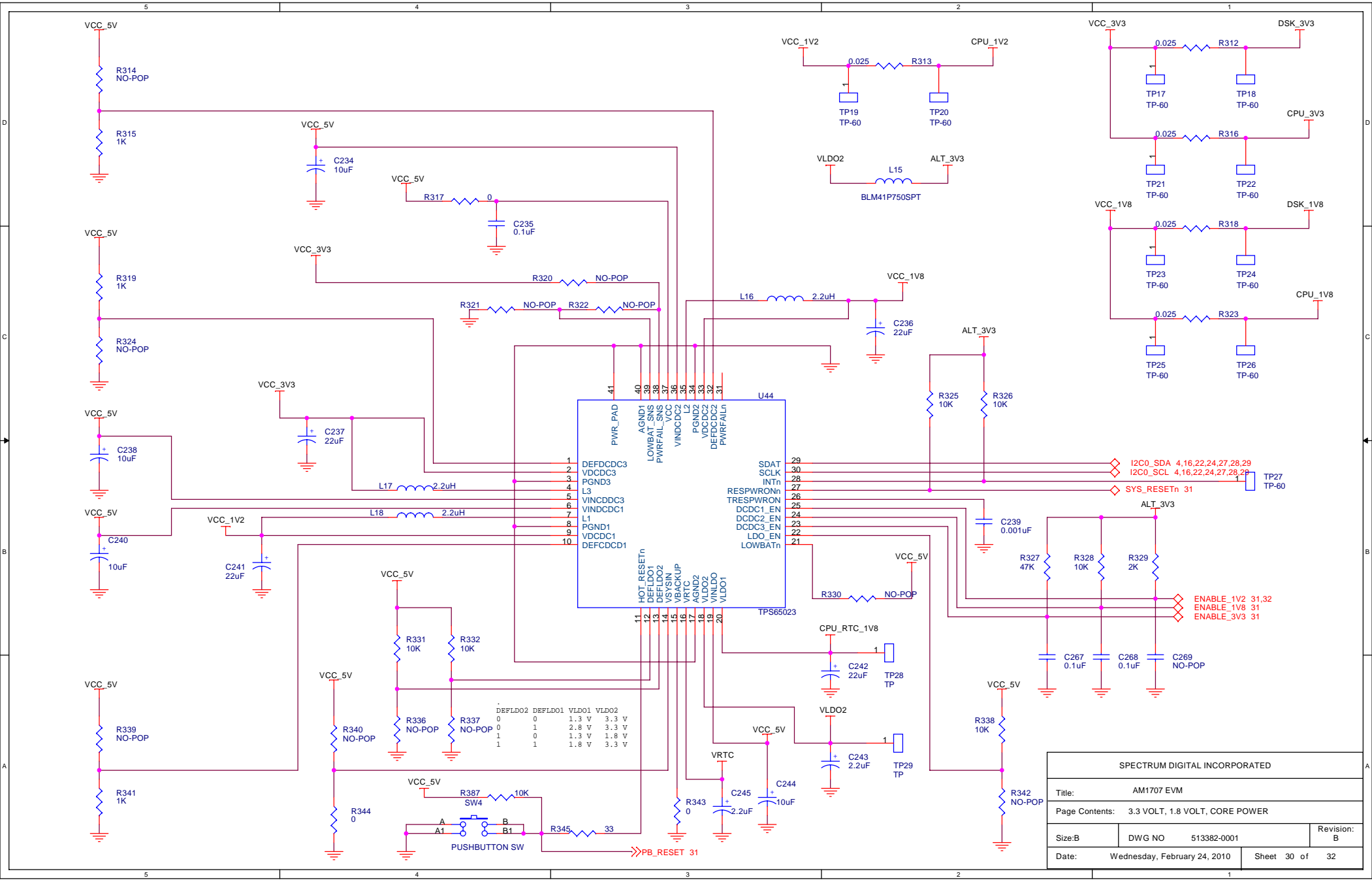


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| Page Contents: AUDIO / EXPANSION COINNECTOR 1 | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 27 of | 32 |

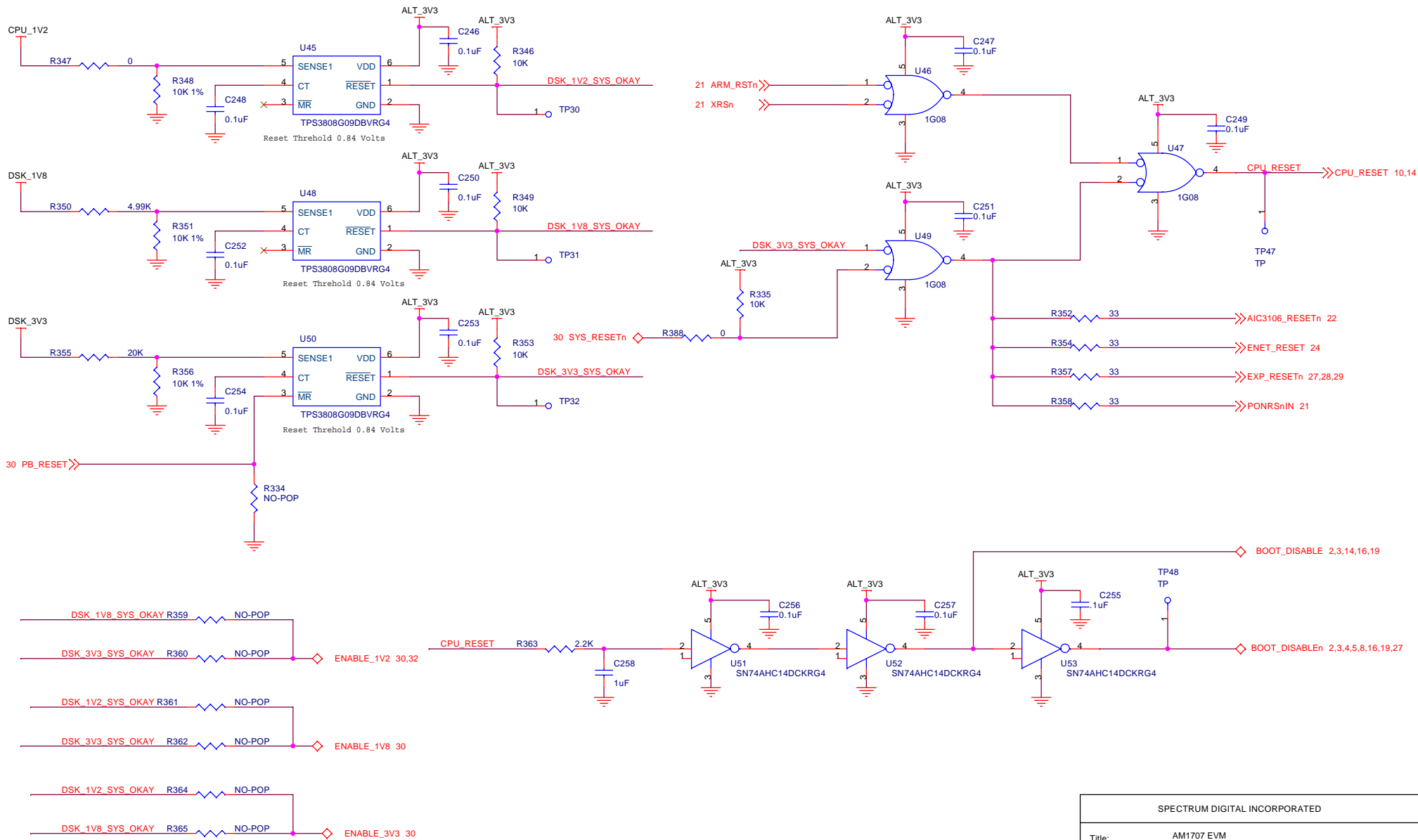
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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: | | AM1707 EVM | |
| Page Contents: EXPANSION 2 | | | |
| Size: B | DWG NO | 513382-0001 | Revision: A |
| Date: | Wednesday, February 24, 2010 | Sheet 28 of | 32 |

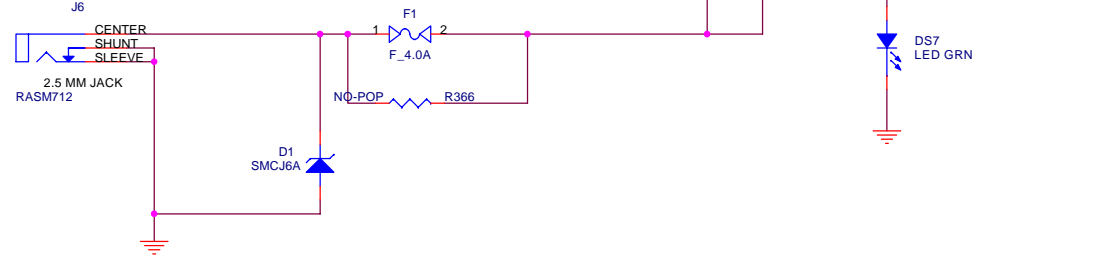


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| SPECTRUM DIGITAL INCORPORATED | | | |
| Title: AM1707 EVM | | | |
| Page Contents: 3.3 VOLT, 1.8 VOLT, CORE POWER | | | |
| Size: B | DWG NO | 513382-0001 | Revision: B |
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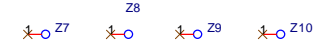


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| Title: AM1707 EVM | | | |
| Page Contents: POWER IN | | | |
| Size: B | DWG NO | 513382-0001 | Revision: B |
| Date: | Wednesday, February 24, 2010 | Sheet 31 of 32 | |

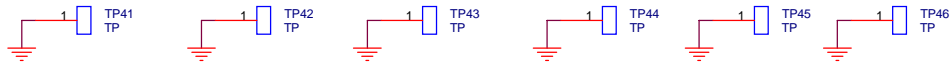
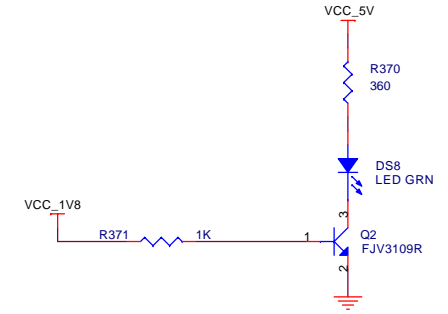
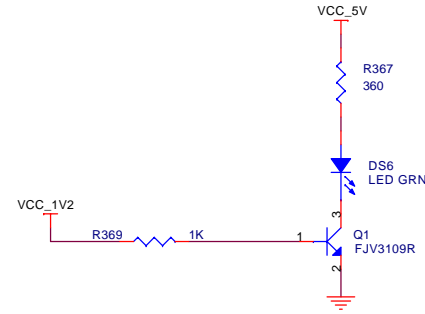
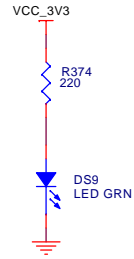
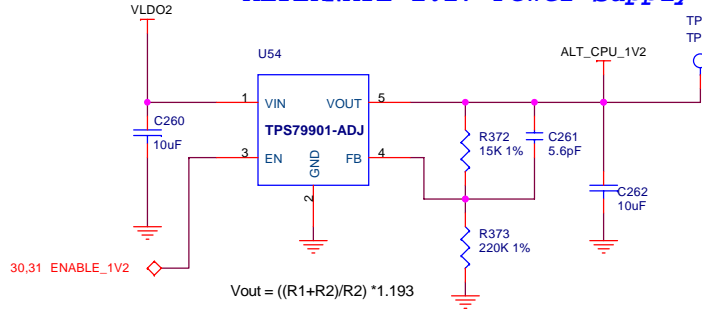
SILKSCREEN:
5V IN



Mounting holes 0.250 pad 0.125 drill



ALTERNATE 1.2V Power Supply



SPECTRUM DIGITAL INCORPORATED

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| Title: AM1707 EVM | | | |
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