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NOTES:

1) EPI - External Peripheral Interface Impedance Matching

- (A) GPIO24, 25, 36, 37, 40, 41, 48-53, 68, 69, 70, 71 - SDRAM Memory Interface Data + Address
(B) GPIO12, 13, 18, 19, 26, 27, 54, 55 - SRAM Memory Interface Address
(C) GPIO56-62 - SDRAM&SRAM CS, DQM, etc
(D) GPIO34, 35, 28, 29 - SRAM Extended Address
(C) GPIO47 - Clock

2) ENET Differential Pairs - 100 Ohm

- (A) ENET_TD+ & ENET_TD-
(B) ENET_RD+ & ENET_RD-

3) USB Differential Pairs - 90 Ohm

- (A) USB-DM & USB-DP
(B) USB0_GPIO-42 & USB0_GPIO-45
(C) MCU_GPIO-42 & MCU_GPIO-45

REVISION RECORD

WHO:	SCH REV:	PCB REV:	NOTES:	DATE:
TI-SBL	R1.0	R1.0	Initial Release to PCB	14-May-2012
TI-SBL	R1.1	R1.1	Edited Order of Boot Mode Switches Added ENET Address Resistors Fixed Ethernet PHY LED order R43: 100K to 0R0 Added XRSn connection through HSEC connector	16-July-2012

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Texas Instruments Inc

PAGE NAME:

NOTES

TITLE:

F28M36x controlCARD

REV:

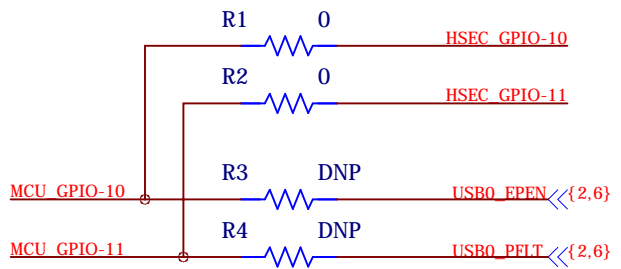
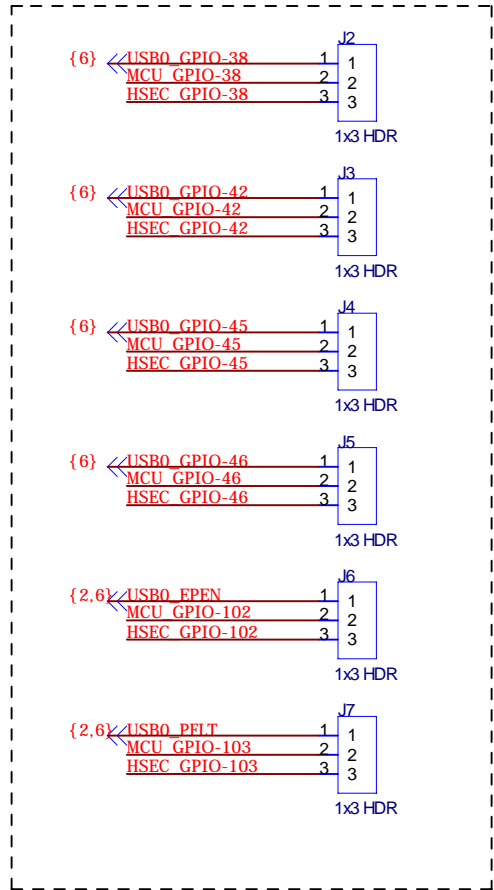
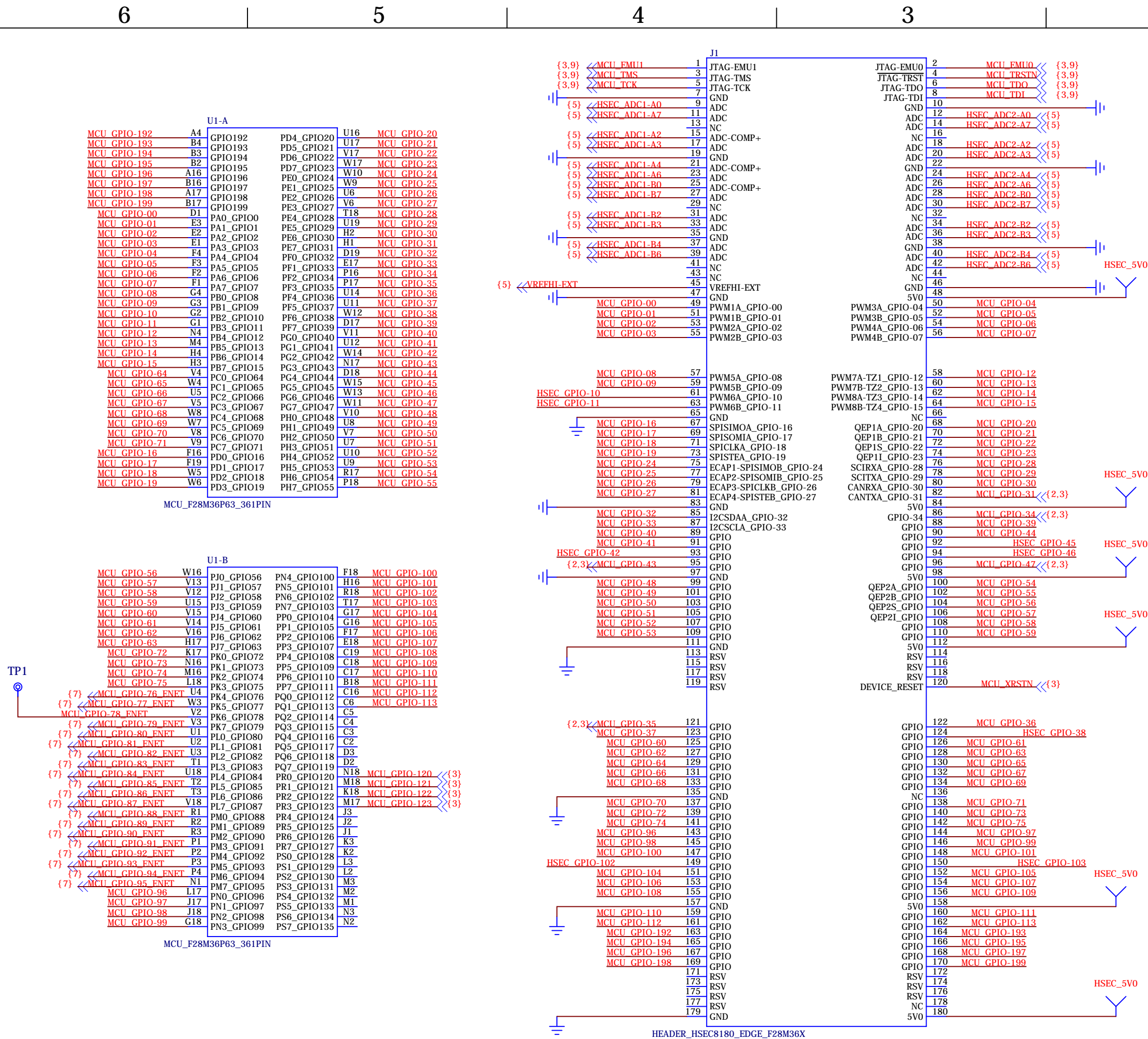
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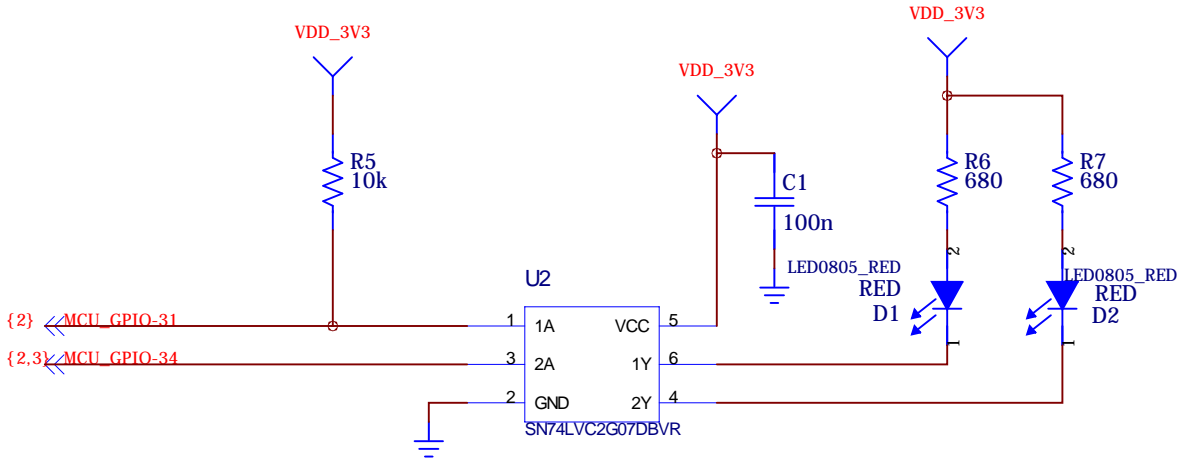
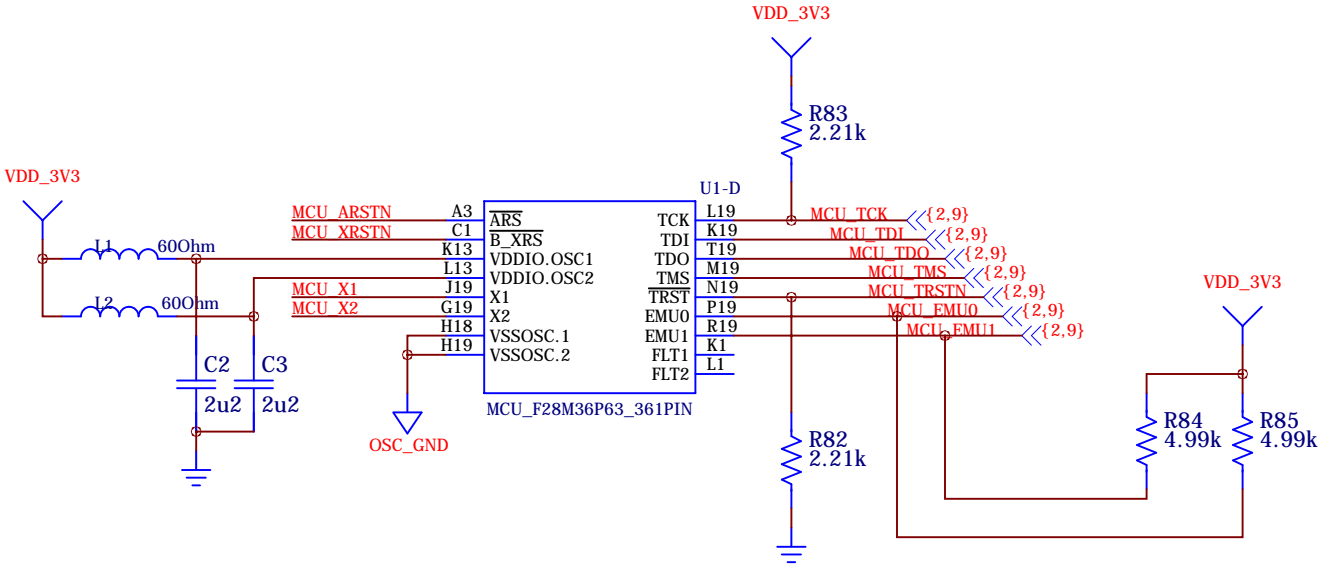
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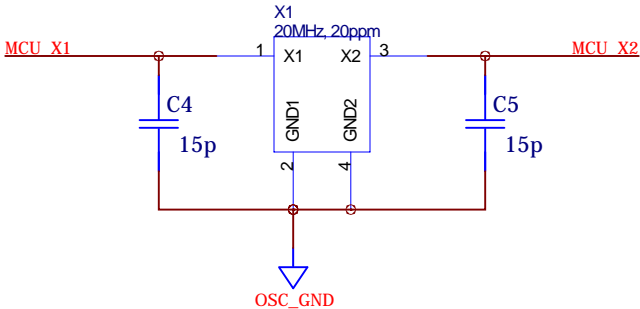
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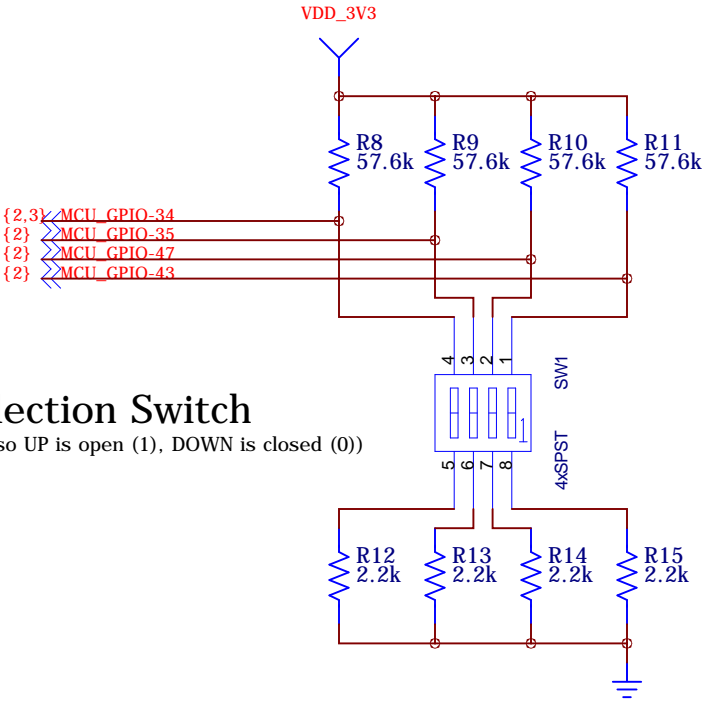




LEDs

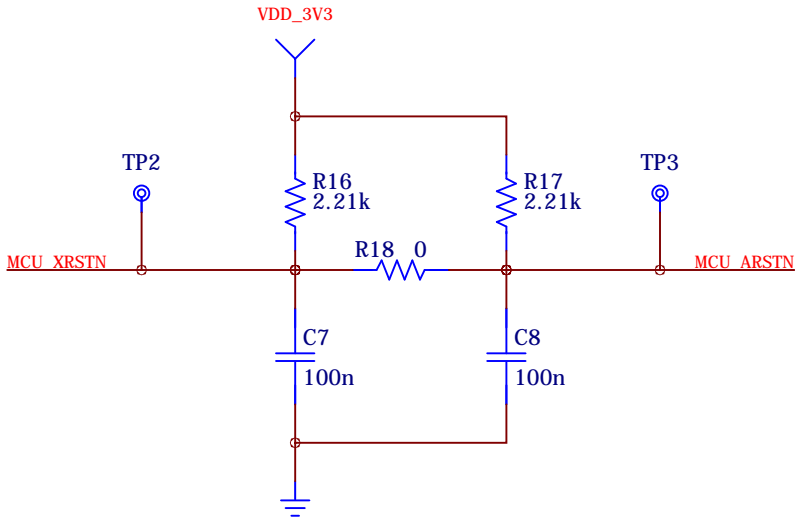


F28M36x Clock

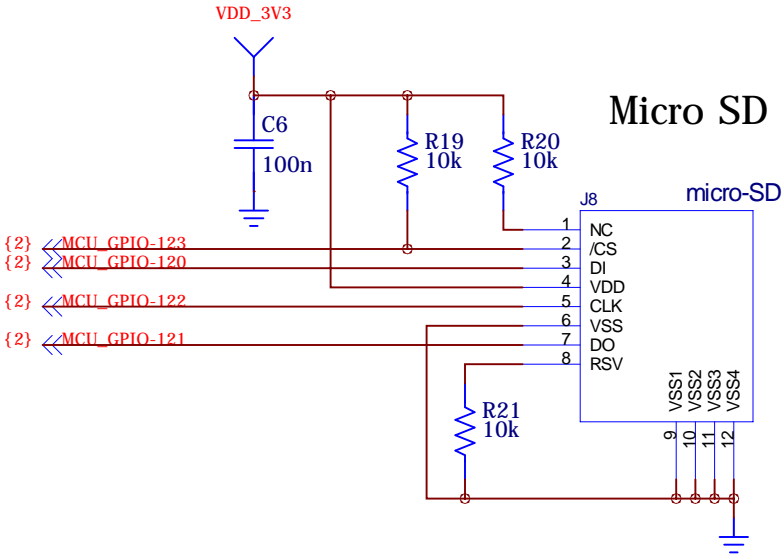


Boot Mode Selection Switch

*SW1 placed upside-down (so UP is open (1), DOWN is closed (0))



F28M36x Reset Pins



Micro SD Card

Selected Boot Mode Chart

(see datasheet for other boot modes and more information)

Mode #	GPIO34	GPIO35	GPIO47	GPIO43	Boot Mode
00	0	0	0	0	Boot from Parallel GPIO
02	0	0	1	0	Boot to Serial Peripherals
07	0	1	1	1	Boot from Flash
12	1	1	0	0	Boot from Ethernet (for cCARD)
15	1	1	1	1	Boot from Flash (Fast)

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PAGE NAME: **SUPPORT,LEDS,BOOT**

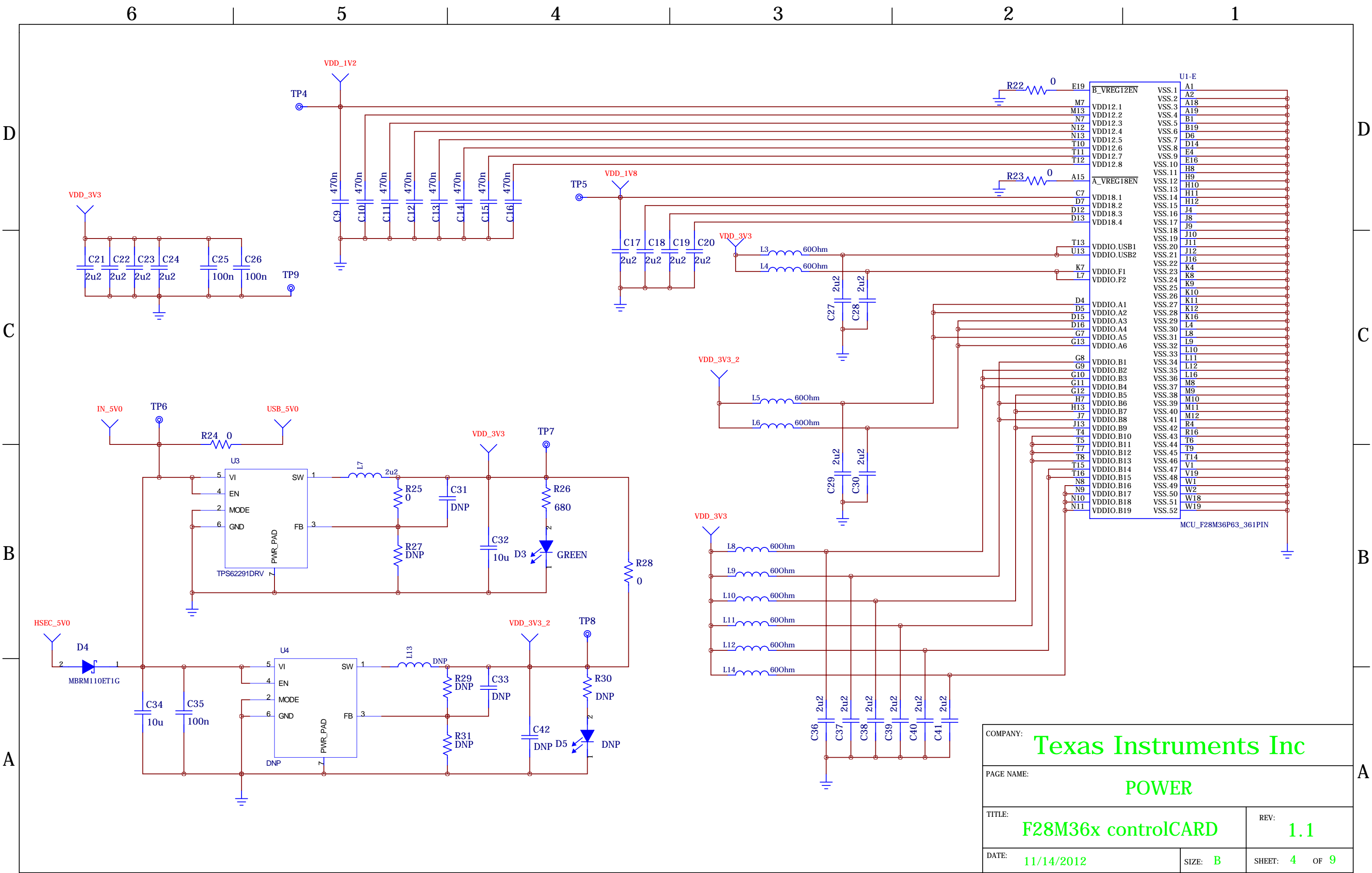
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REV: **1.1**

DATE: **11/14/2012**

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SHEET: **3** OF **9**



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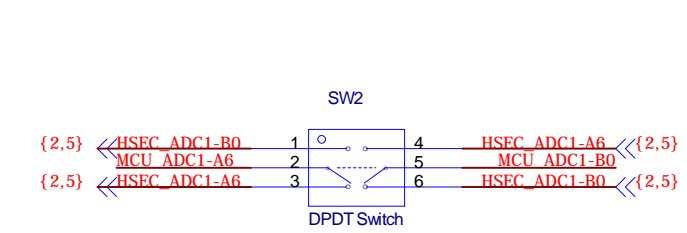
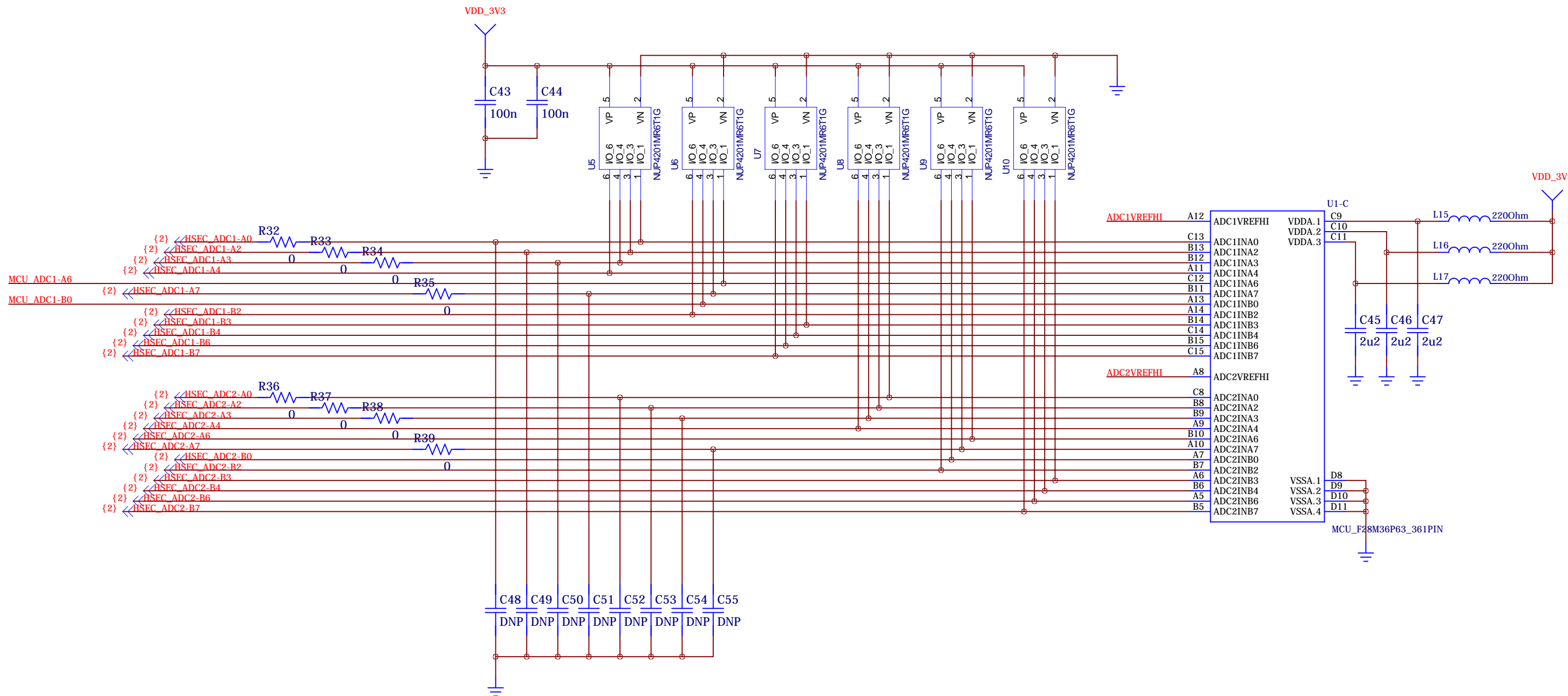
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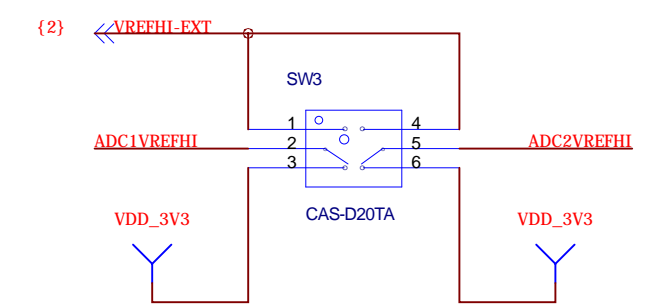
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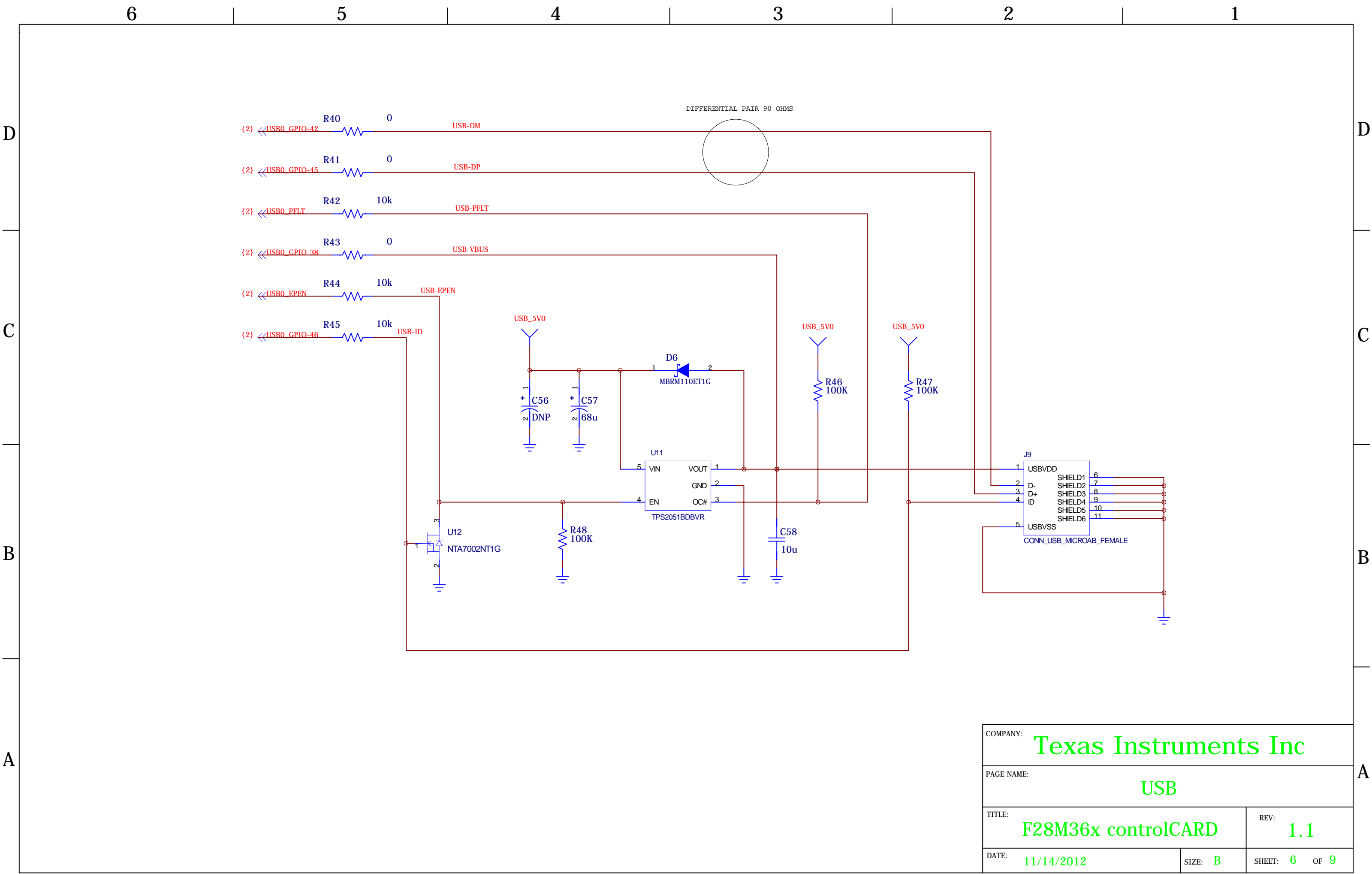


To Increase Flexibility/Compatibility
with other cCARDS

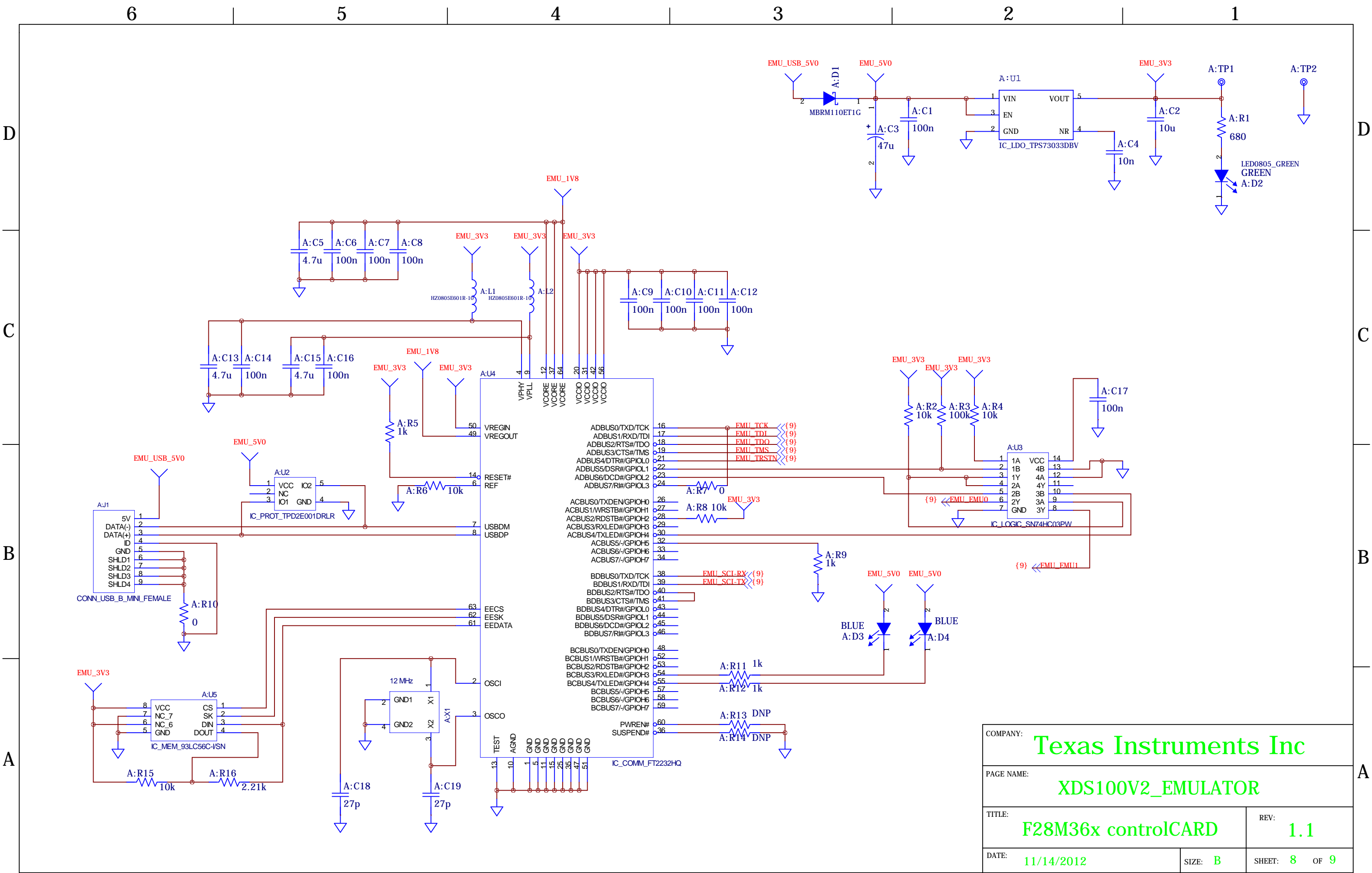


ADC HI Reference Select

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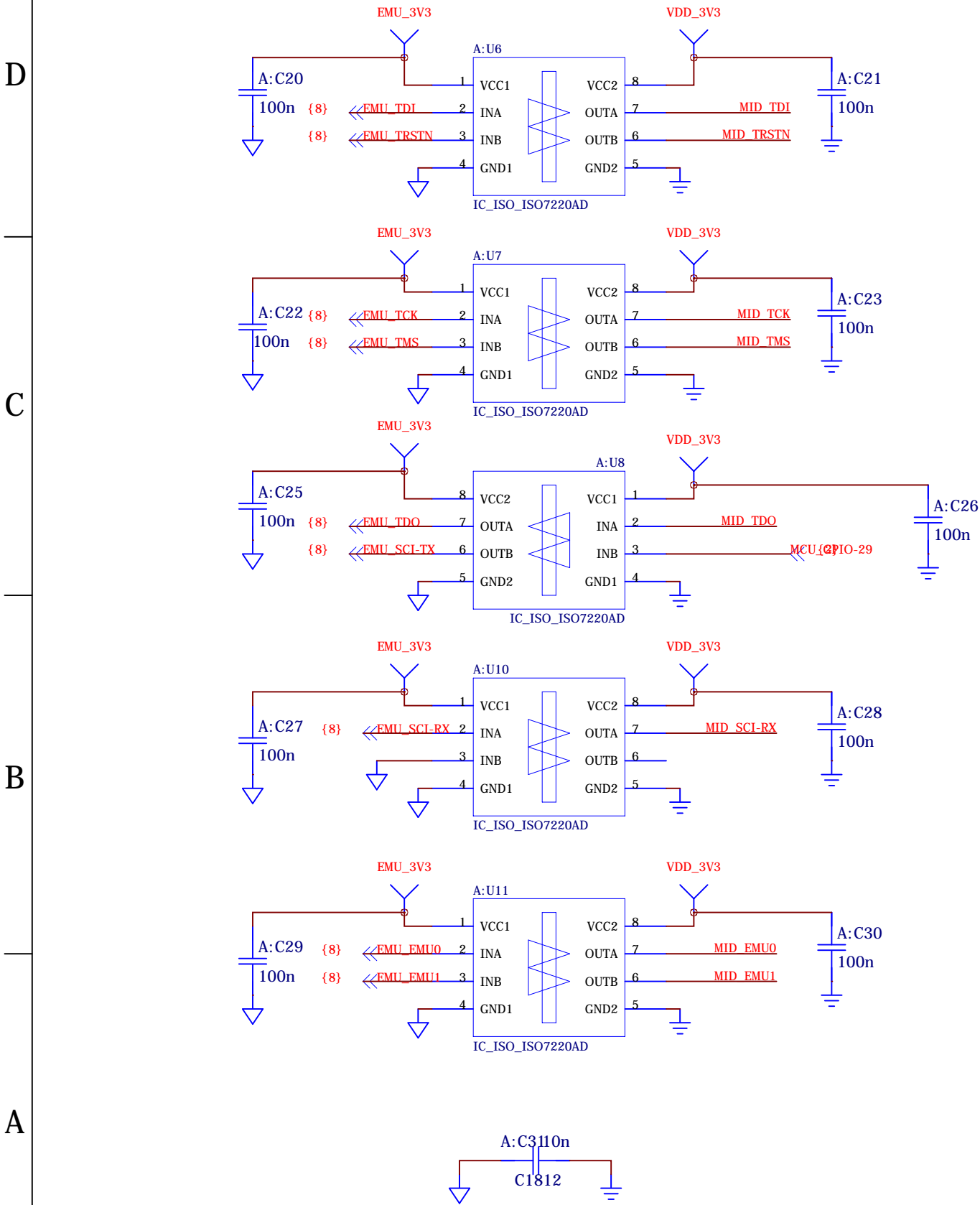


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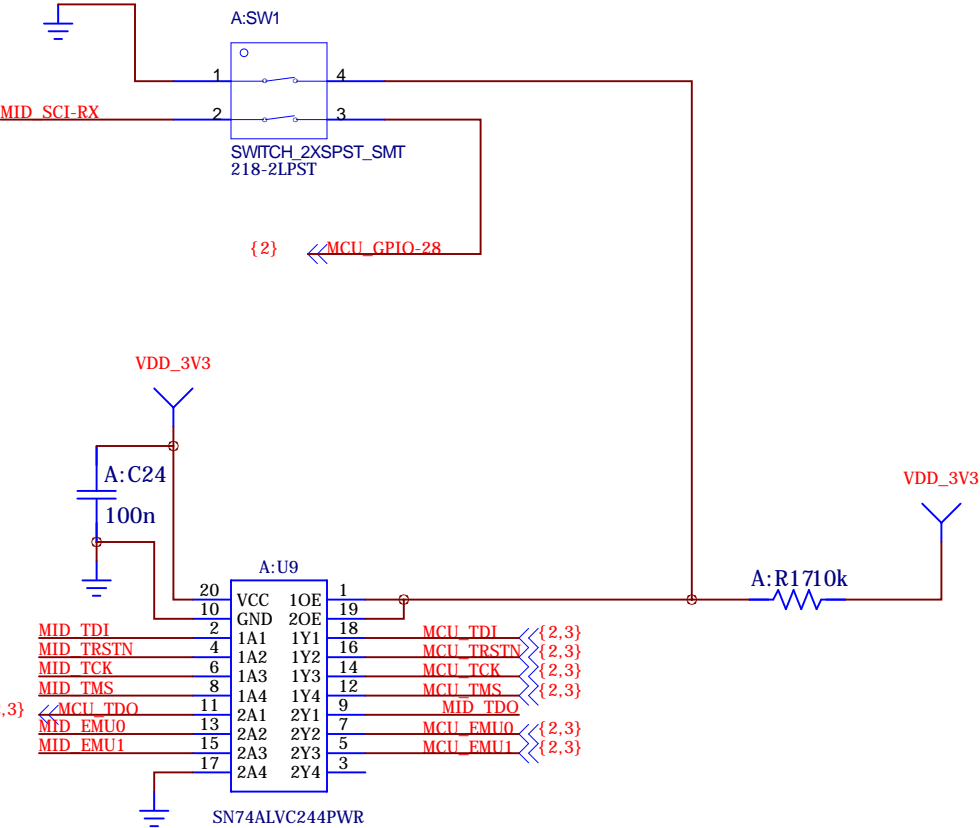
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A



A:SW1 - Emulation & GPIO28 Switch

Pos 1 ON: Use xds100v2 emulator that is on the cCARD
Pos 1 OFF: Boot from FLASH/peripheral (see SW1) OR use the emulator on the baseboard
Pos 2 ON: GPIO28 will be controlled by the USB-to-UART adapter on the FTDI chip.
Pos 2 OFF: GPIO-28 can be controlled by a pin in HSEC connector



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