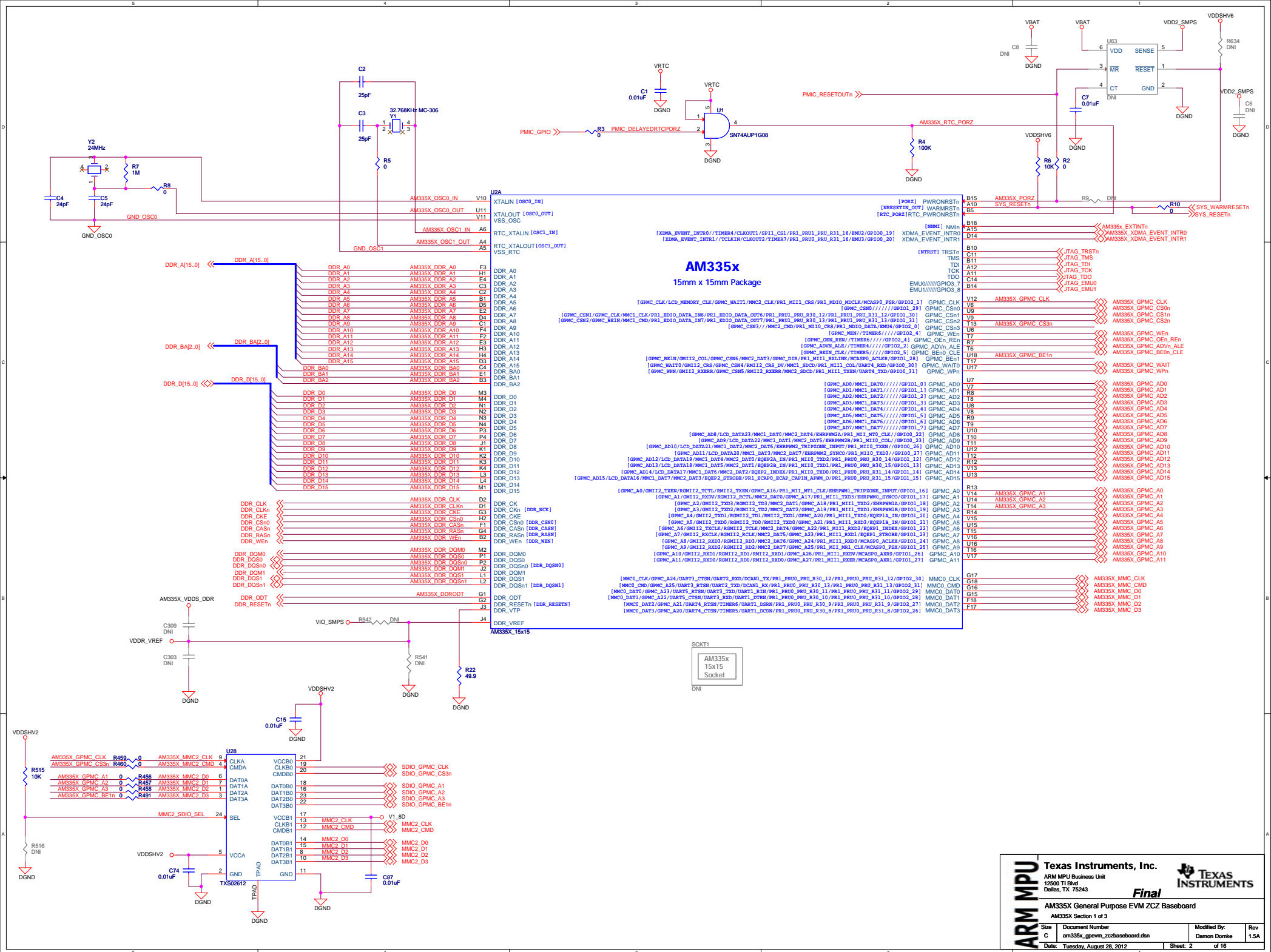


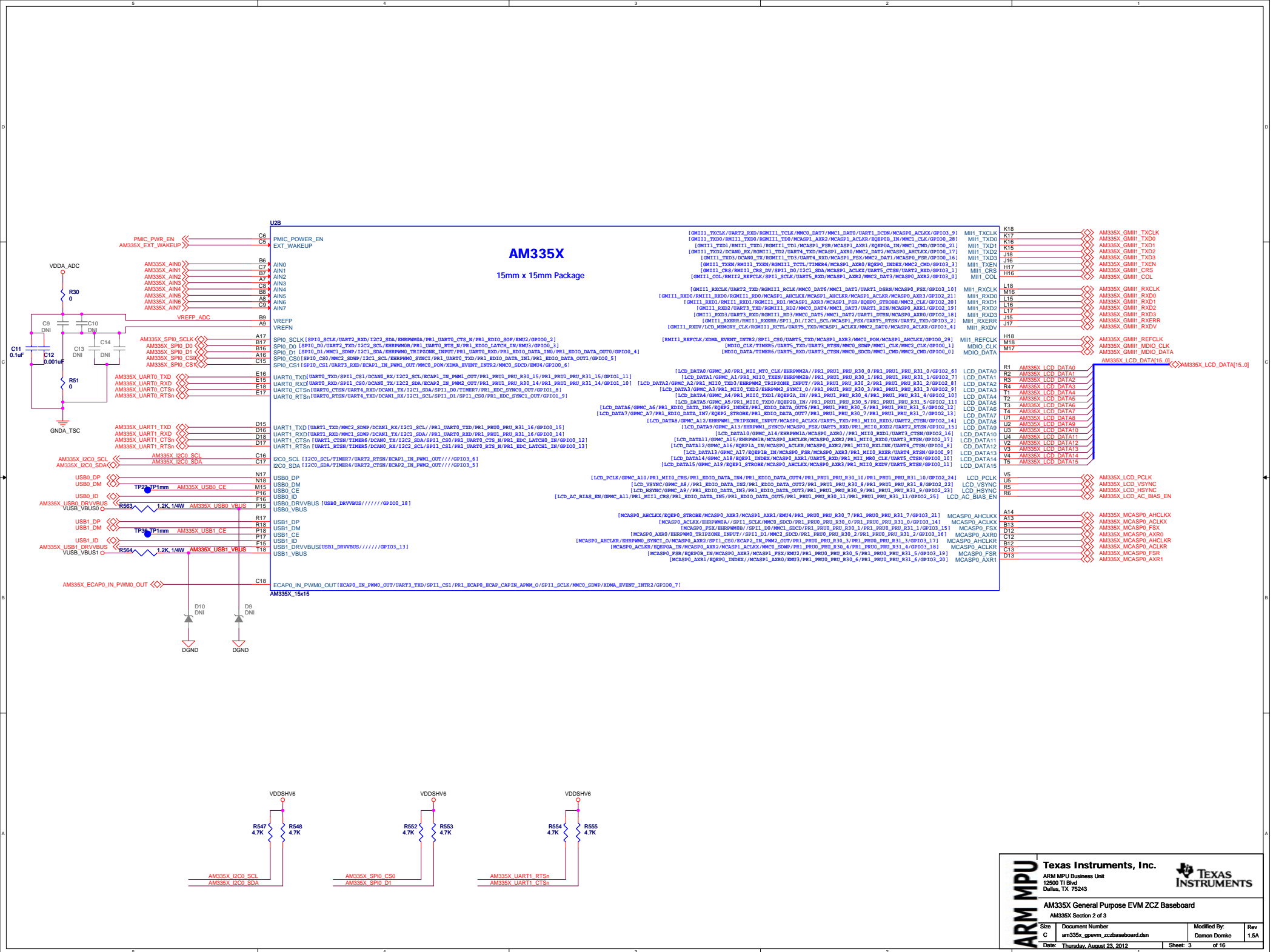
ARM MPU AM335X General Purpose EVM
Base Board
ZCZ Package

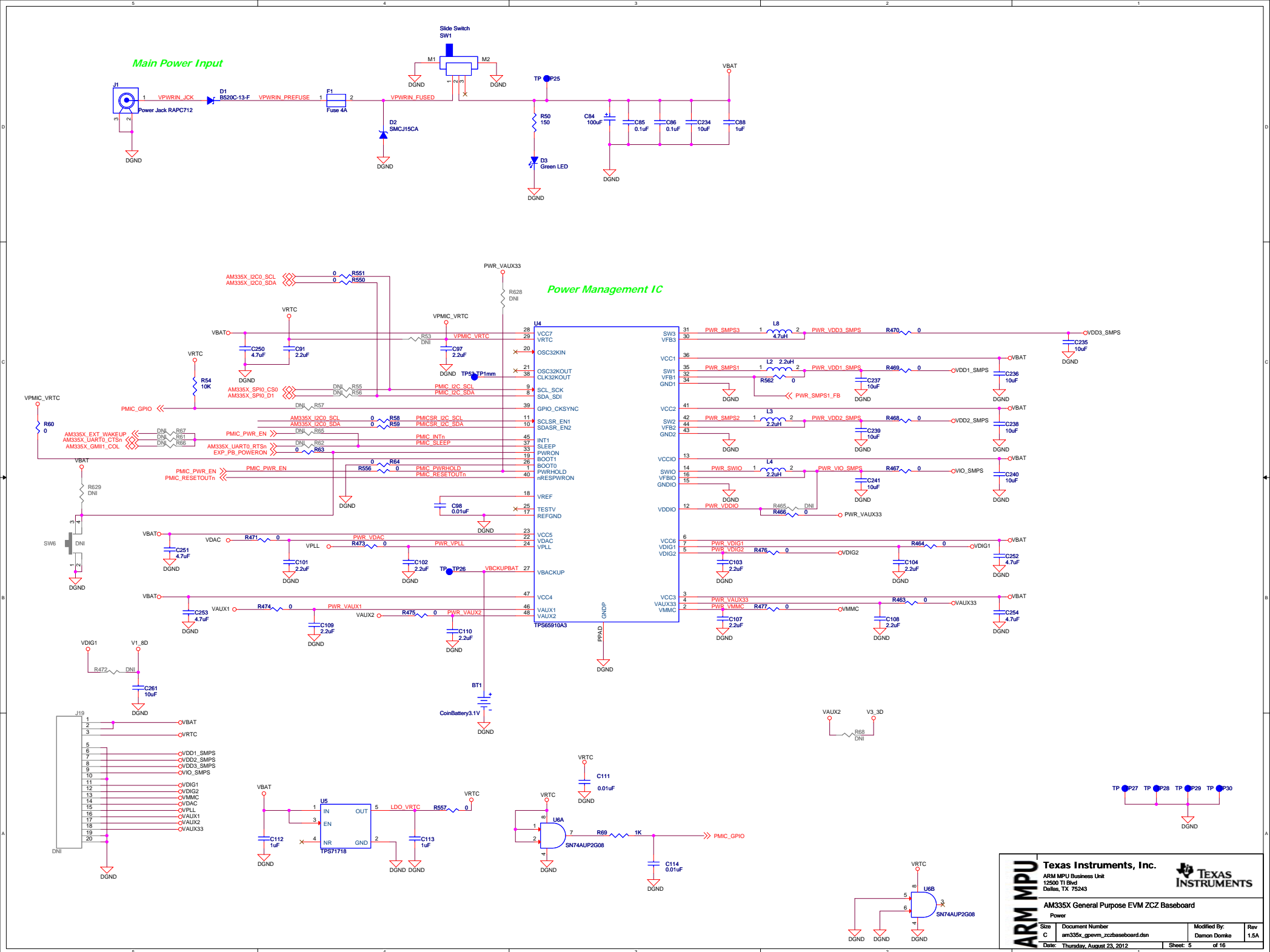
- See the Hardware User Guide for board details
- See the Hardware Implementation Document for design details
- See the PCB Build Specification for PCB Details
- See the EVM Errata Document for Known Issues



ARM MPU	Texas Instruments, Inc.			
	ARM MPU Business Unit 12500 TI Blvd Dallas, TX 75243			
	Final			
	AM335X General Purpose EVM ZCZ Baseboard			
	Title Page			
Size	Document Number	Modified By:	Rev	
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Date: Monday, August 27, 2012		Sheet: 1 of 16		







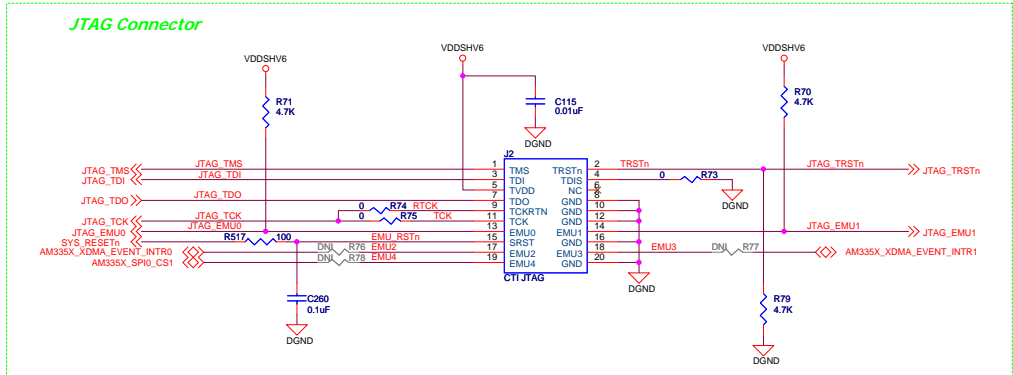
ID Memory

AM335X_I2C0_SCL
AM335X_I2C0_SDA

U7
SCL
SDA
VCC
VSS
WP
A0
A1
A2
CAT24C256W

VDDSHV6
C116
0.01uF
R72
10k
TP54

DGND



User LED's

The schematic diagram illustrates the User LED's circuit. It is powered by VBAT through a series of resistors (R80, R81, R82, R83) and diodes (D4, D5, D6, D7). The circuit features four LEDs (Q1, Q2, Q3, Q4) connected to the VBAT line. The LEDs are controlled by signals from the AM335X microcontroller, including UART1_CTSn, UART1_RTSn, MCASP0_AHCLKR, MCASP0_ACLKR, GPMC_A5, GPMC_A7, GPMC_A8, GPMC_A9, and TX0K. The circuit also includes a 100k resistor (R96) and a 100k resistor (R95) connected to ground.

Clockout Measurement Testpoints

AM335X_XDMA_EVENT_INTR0 TP1mm TP31
AM335X_XDMA_EVENT_INTR1 TP1mm TP32

ADC Test

AM335X_AIN0 << R461 DNI GND_ADC

AM335X_AIN1 << R462 DNI VDDA_ADC

SW3

SW3 is a 6-position switch. The connections are as follows:

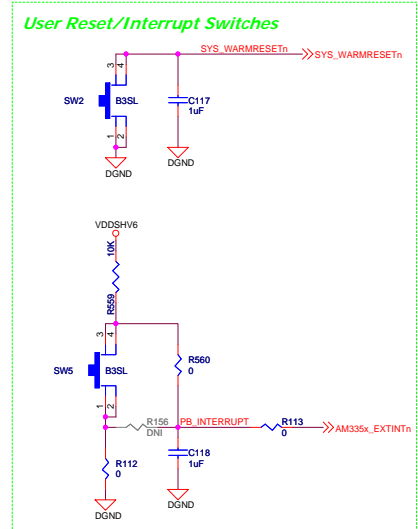
- Position 1: AM335X_LCD_DATA0 to SYSBOOT0
- Position 2: AM335X_LCD_DATA1 to SYSBOOT1
- Position 3: AM335X_LCD_DATA2 to SYSBOOT2
- Position 4: AM335X_LCD_DATA3 to SYSBOOT3
- Position 5: AM335X_LCD_DATA4 to SYSBOOT4
- Position 6: AM335X_LCD_DATA5 to SYSBOOT5

SW4

SW4 is a 6-position switch. The connections are as follows:

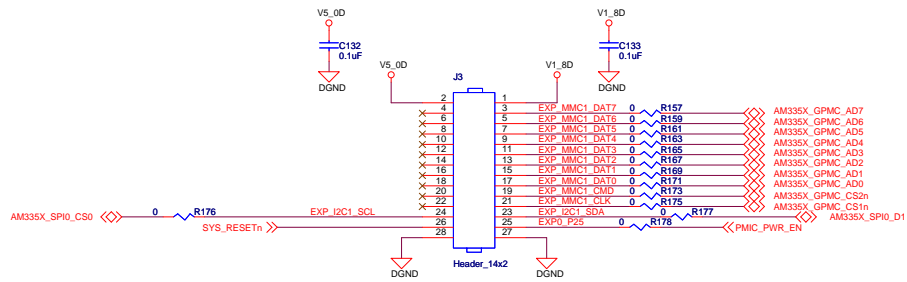
- Position 1: AM335X_LCD_DATA6 to SYSBOOT6
- Position 2: AM335X_LCD_DATA7 to SYSBOOT7
- Position 3: AM335X_LCD_DATA8 to SYSBOOT8
- Position 4: AM335X_LCD_DATA9 to SYSBOOT9
- Position 5: AM335X_LCD_DATA10 to SYSBOOT10
- Position 6: AM335X_LCD_DATA11 to SYSBOOT11

The diagrams also show the connection of the AM335X_LCD_DATA12 to SYSBOOT12, AM335X_LCD_DATA13 to SYSBOOT13, AM335X_LCD_DATA14 to SYSBOOT14, and AM335X_LCD_DATA15 to SYSBOOT15.

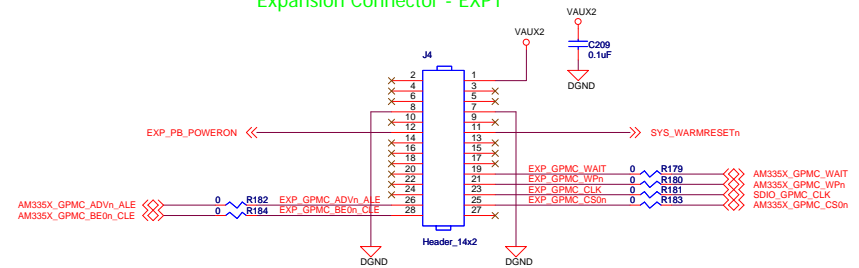




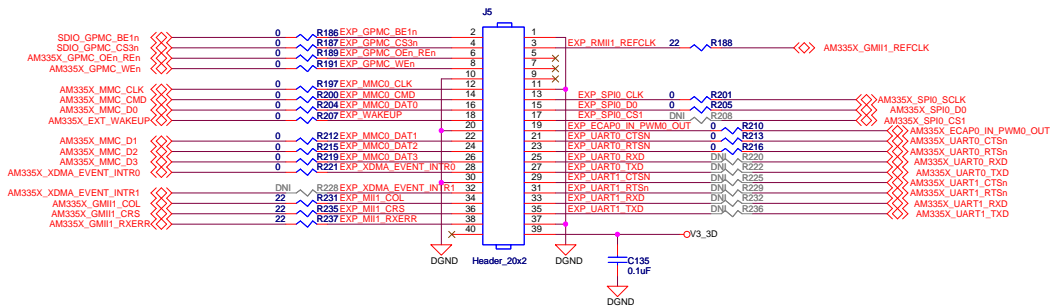
Expansion Connector - EXP0



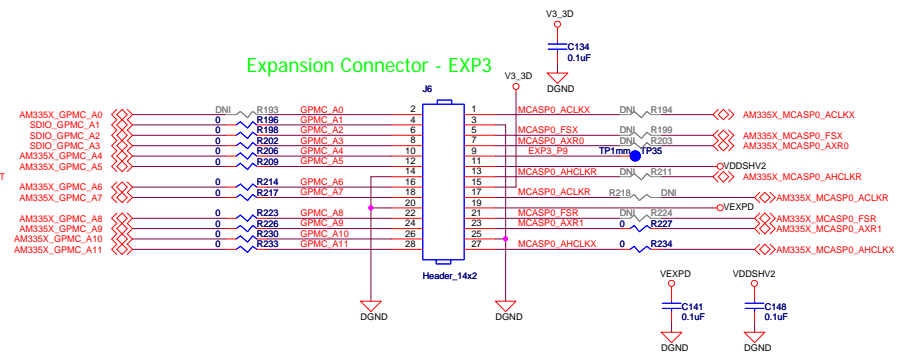
Expansion Connector - EXP1



Expansion Connector - EXP2

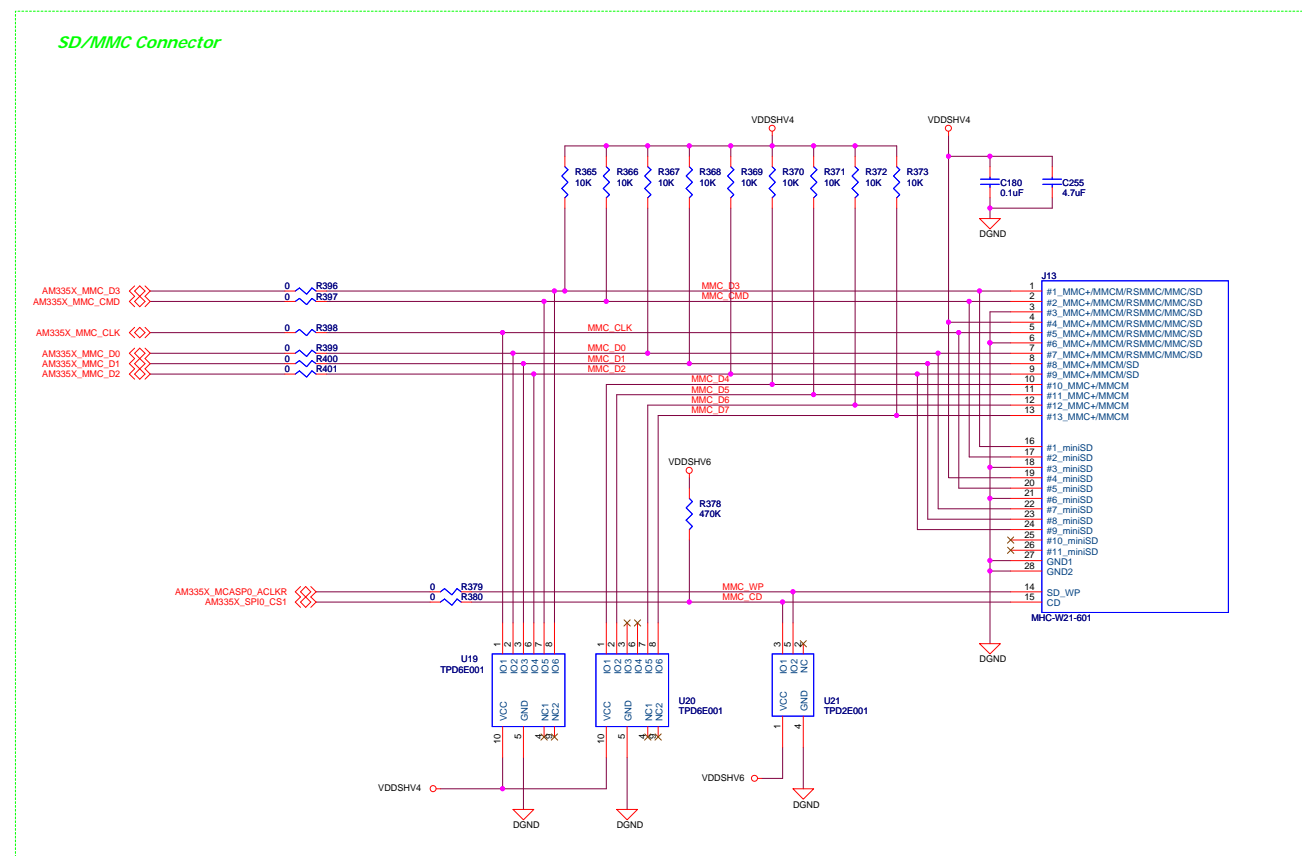
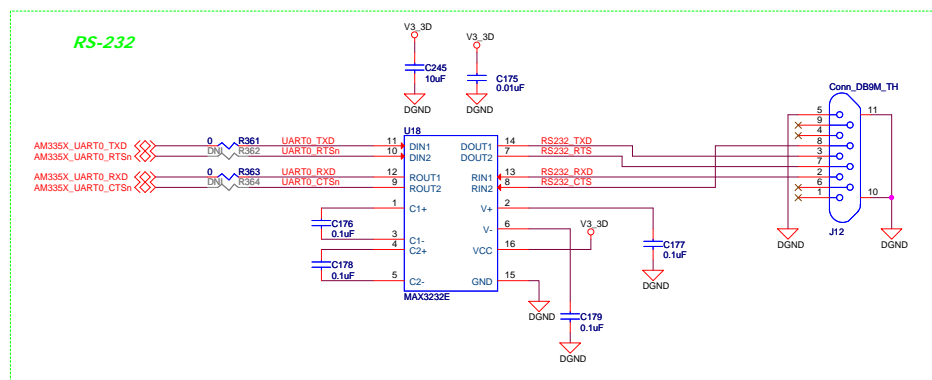


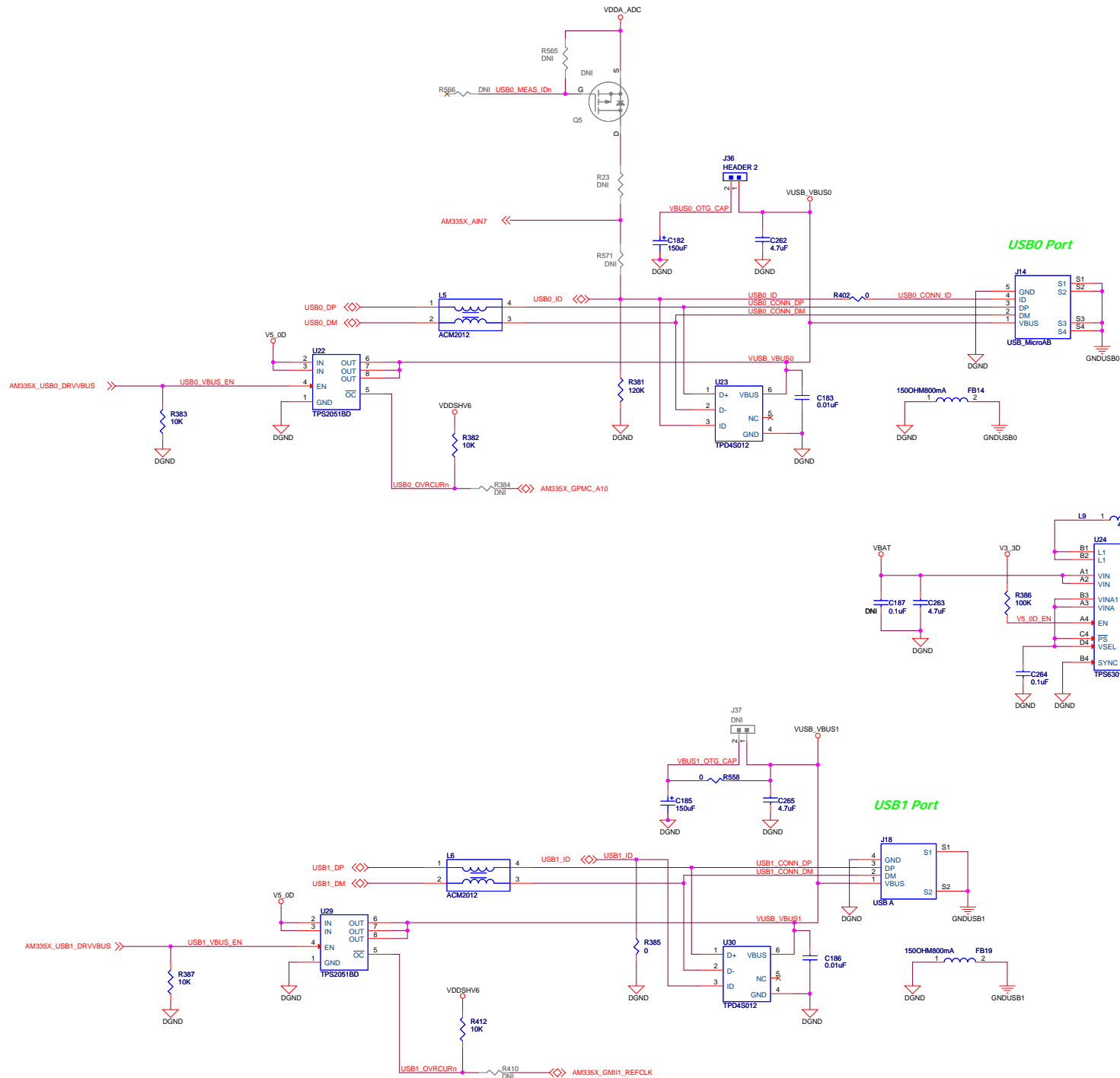
Expansion Connector - EXP3

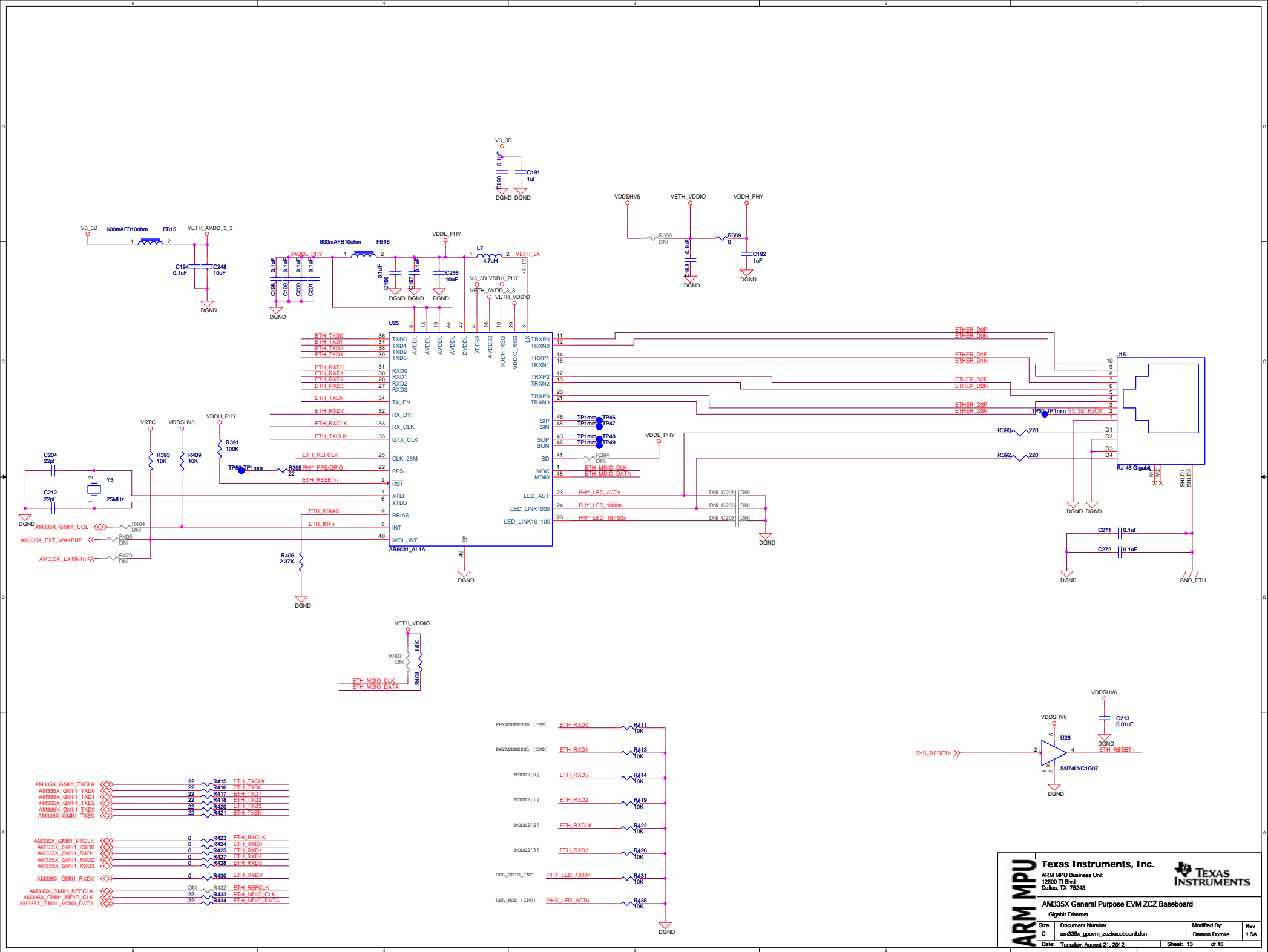












MAVRK Connector

