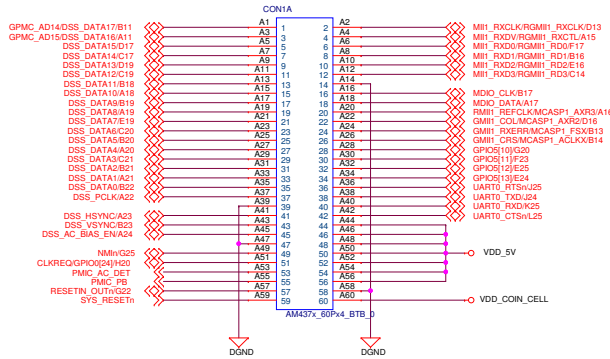

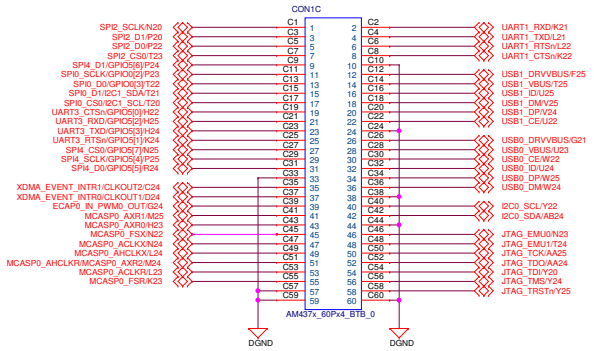

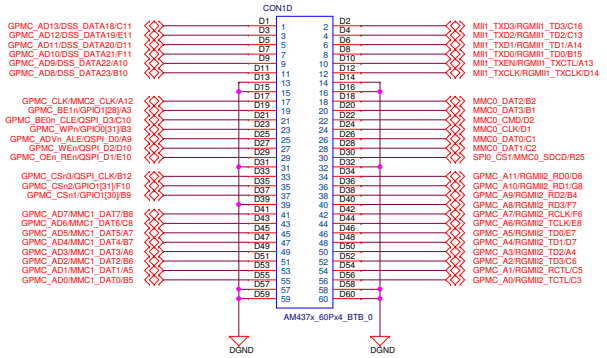

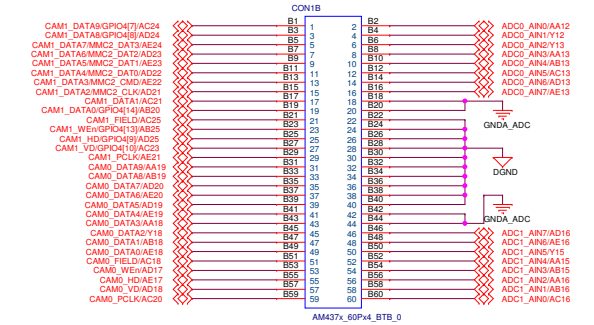

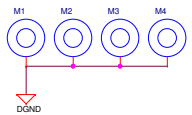

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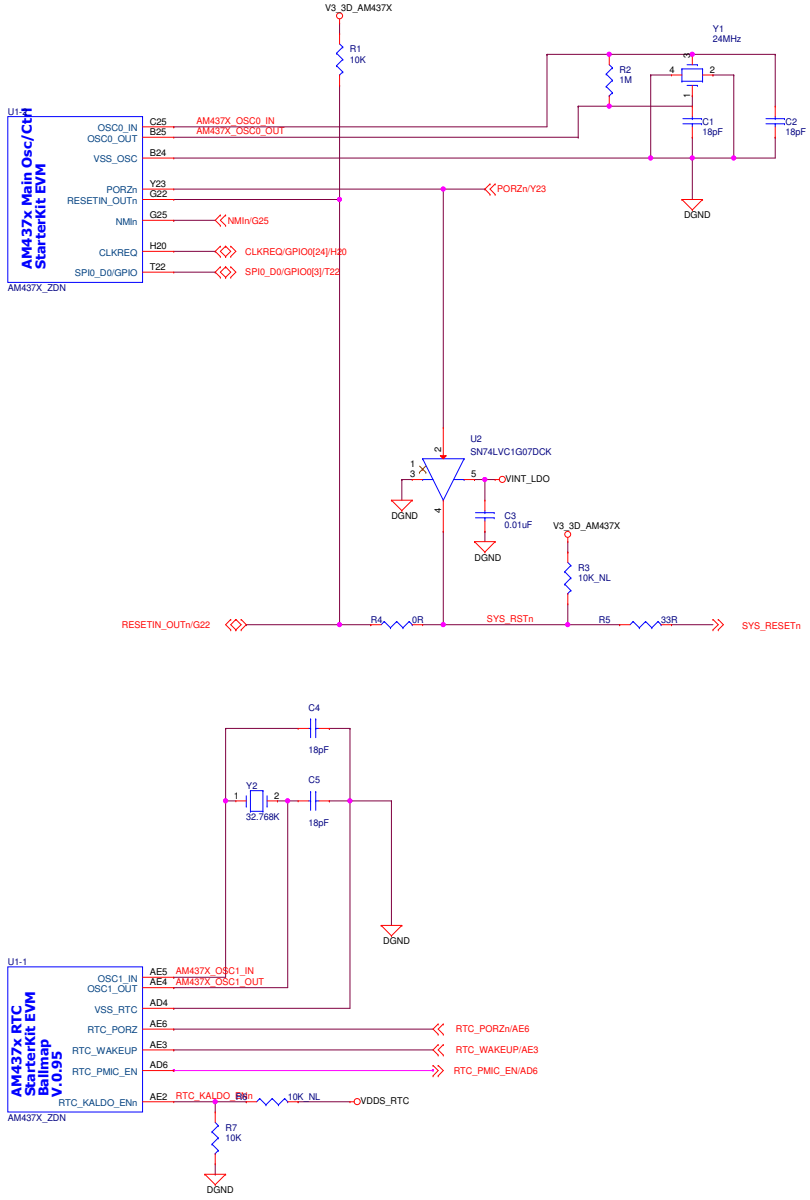
Date: Wednesday, March 30, 2016	Sheet 1 of 20		



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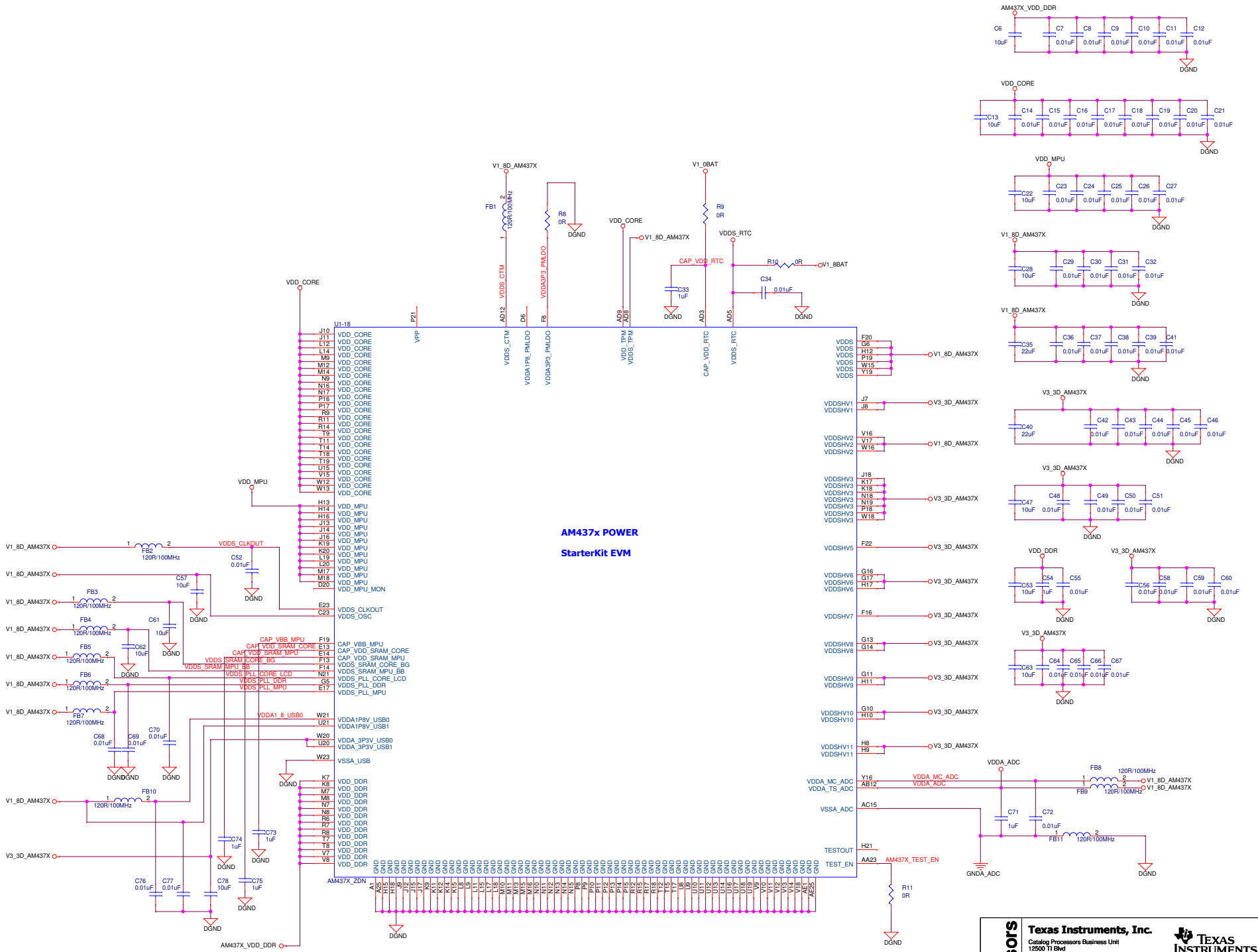
AM437x Starter Kit EVM
Processor Subsystem

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A
Date: Tuesday, March 29, 2016		Sheet: 2 of 20	


AM437x POWER
StarterKit EVM
U1-18
AM437X_VDD_DDR
VDD_CORE
VDD_MPU
V1_8D_AM437X
V1_0BAT
V1_8BAT
VDDS_RTC
V3_3D_AM437X
VDD_DDR
VDDA_ADC
GNDA_ADC
DGND
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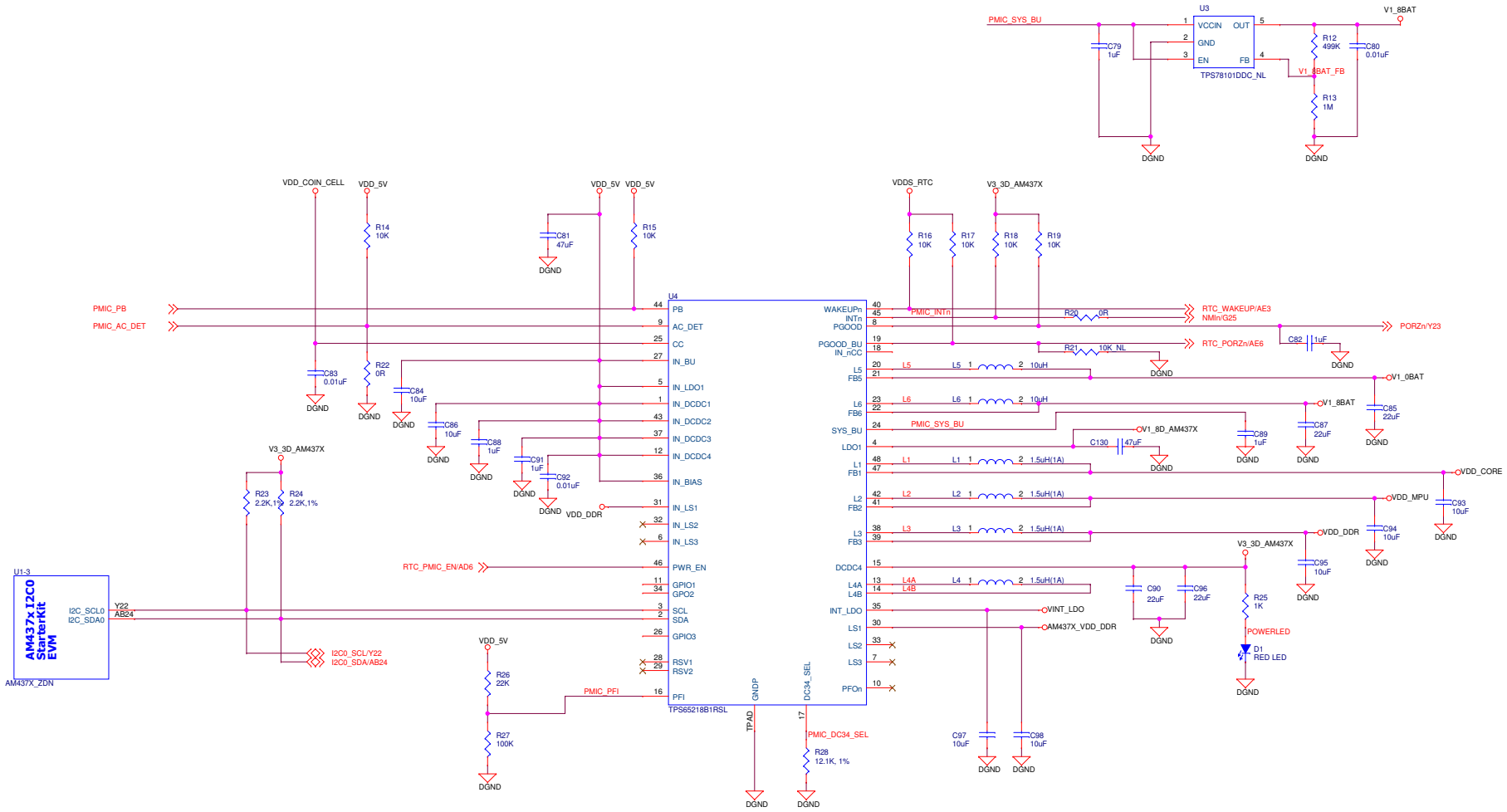
AM437x Starter Kit EVM
Processor Power
Catalog Processors
Size C
Document Number am437x_starterkit_evm_3k0009.dsn
Modified By: Paul Eaves
Rev 1.2A
Date: Wednesday, March 30, 2016
Sheet: 3 of 20



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AM437x Starter Kit EVM

Power

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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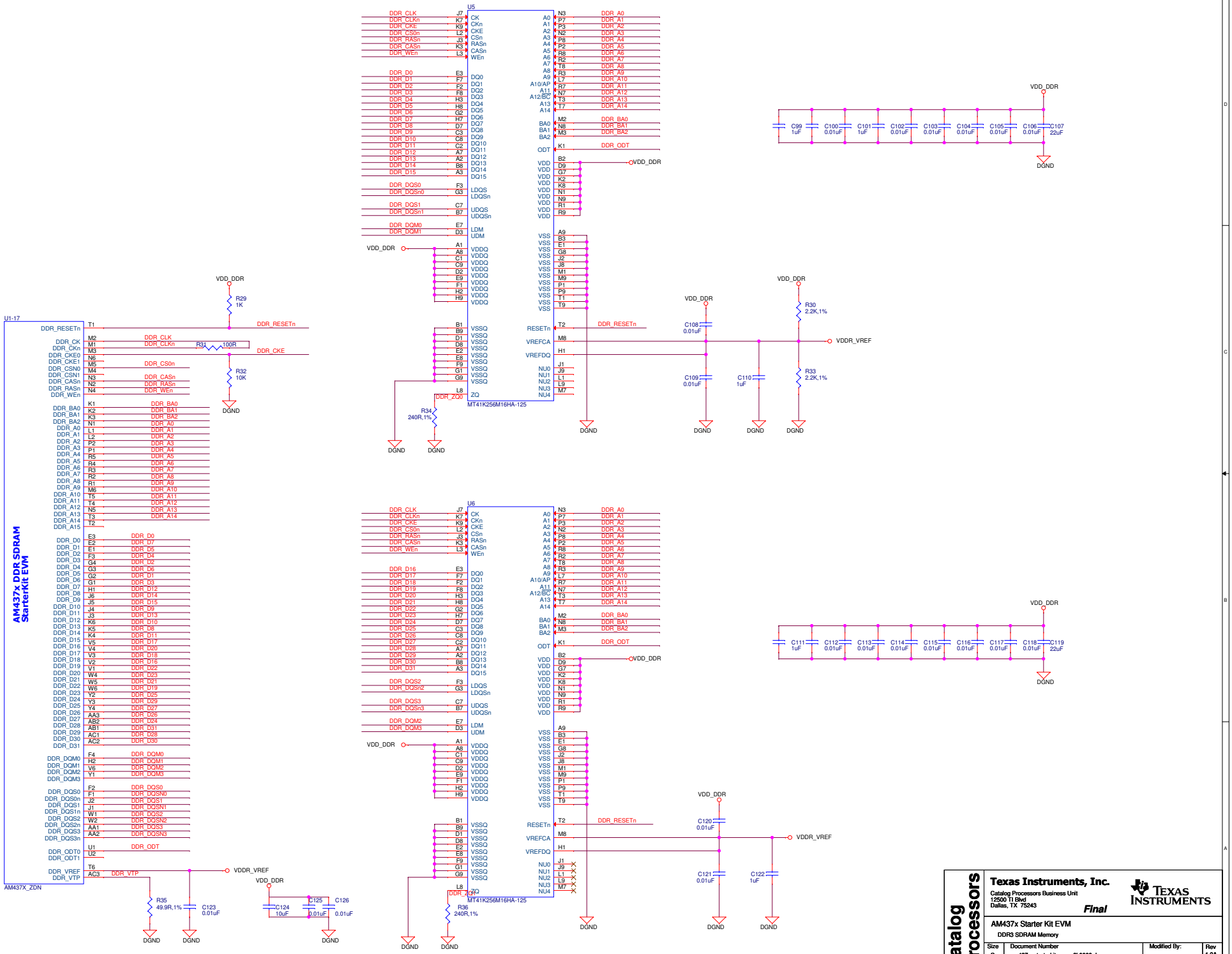
AM437x DDR SDRAM
Starterkit EVM
U1-17
AM437X_ZDN
U5
U6
MT41K256M16HA-125
VDD_DDR
VDDR_VREF
DGND
R29 1K
R32 10K
R31 100R
R34 240R,1%
R35 49.9R,1%
R36 240R,1%
R30 2.2K,1%
R33 2.2K,1%
C99 1uF
C100 0.01uF
C101 1uF
C102 0.01uF
C103 0.01uF
C104 0.01uF
C105 0.01uF
C106 0.01uF
C107 22uF
C108 0.01uF
C109 0.01uF
C110 1uF
C111 1uF
C112 0.01uF
C113 0.01uF
C114 0.01uF
C115 0.01uF
C116 0.01uF
C117 0.01uF
C118 0.01uF
C119 22uF
C120 0.01uF
C121 0.01uF
C122 1uF
C123 0.01uF
C124 10uF
C125 0.01uF
C126 0.01uF
DDR_RESETn
DDR_CK
DDR_CKn
DDR_CKE
DDR_CS0n
DDR_CASn
DDR_RASn
DDR_WEn
DDR_BA0
DDR_BA1
DDR_BA2
DDR_A0
DDR_A1
DDR_A2
DDR_A3
DDR_A4
DDR_A5
DDR_A6
DDR_A7
DDR_A8
DDR_A9
DDR_A10
DDR_A11
DDR_A12
DDR_A13
DDR_A14
DDR_D0
DDR_D1
DDR_D2
DDR_D3
DDR_D4
DDR_D5
DDR_D6
DDR_D7
DDR_D8
DDR_D9
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DDR_D11
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DDR_D14
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DDR_DQM0
DDR_DQM1
DDR_DQM2
DDR_DQM3
DDR_DQS0
DDR_DQS0n
DDR_DQS1
DDR_DQS1n
DDR_DQS2
DDR_DQS2n
DDR_DQS3
DDR_DQS3n
DDR_ODT
DDR_ODT0
DDR_ODT1
DDR_VREF
DDR_VTP
DDR_ZQ0
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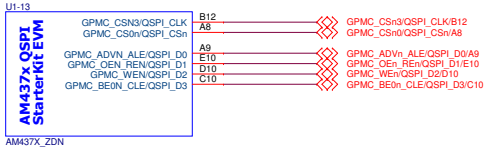
AM437x Starter Kit EVM
DDR3 SDRAM Memory
Size C
Document Number am437x_starterkit_evm_3k0009.dsn
Modified By: Paul Eaves
Rev 1.2A
Date: Wednesday, March 30, 2016
Sheet: 5 of 20



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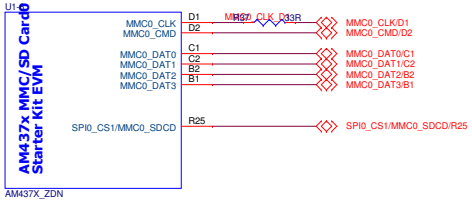
AM437x Starter Kit EVM

QSPI NOR Flash Memory

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

Date: Tuesday, March 29, 2016 Sheet: 6 of 20



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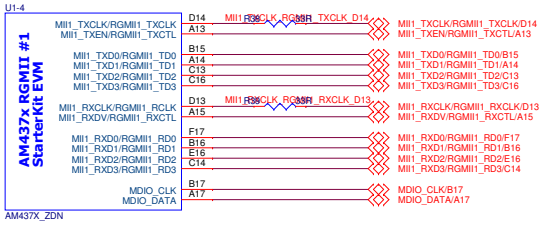
SDMMC #0 Card

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

Date: Tuesday, March 29, 2016 Sheet: 7 of 20



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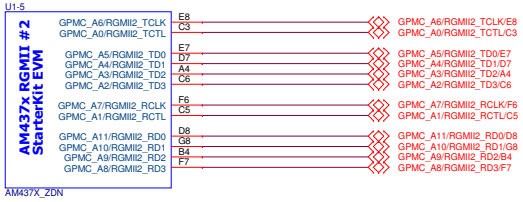
AM437x Starter Kit EVM

Gigabit Ethernet #1

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

Date: Tuesday, March 29, 2016 Sheet: 8 of 20



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AM437x Starter Kit EVM

Gigabit Ethernet #2

Size	Document Number	Modified By:	Rev
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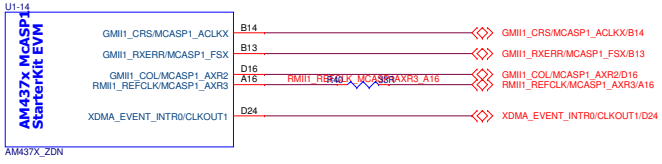
Date: Tuesday, March 29, 2016 Sheet: 9 of 20



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AM437x Starter Kit EVM

Audio

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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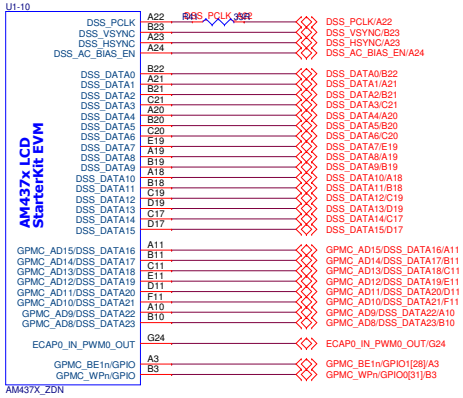

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AM437x Starter Kit EVM

LCD/Touchscreen

Size	Document Number	Modified By:	Rev
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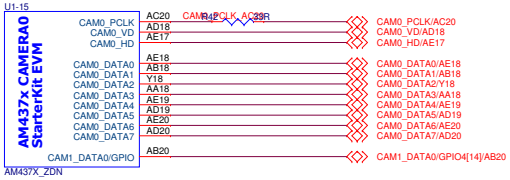

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AM437x Starter Kit EVM

Camera

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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AM437x Starter Kit EVM

USB #0 Dual Role

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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USB #1 Host

Size	Document Number	Modified By:	Rev
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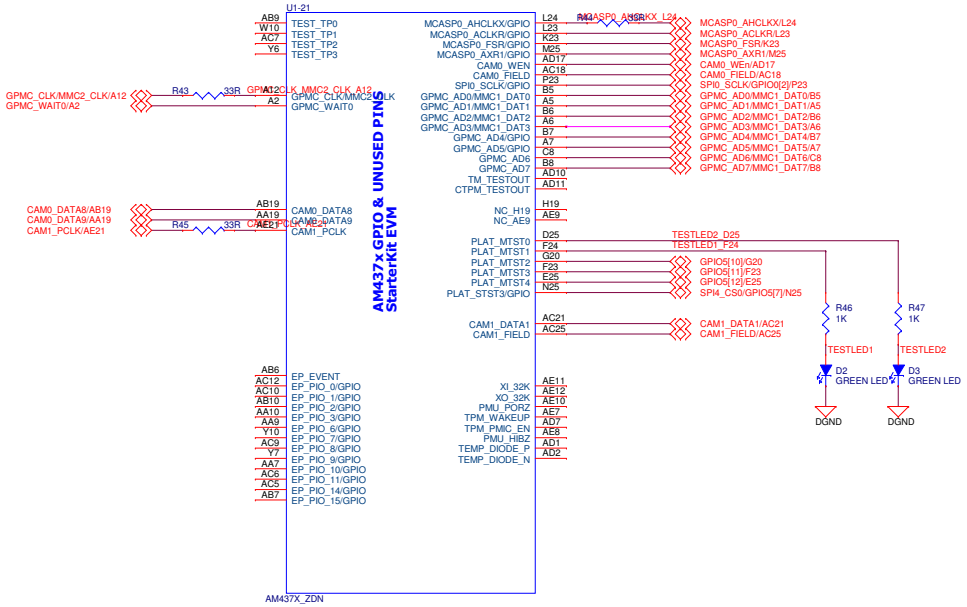

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AM437x Starter Kit EVM

Unused Pins/GPIO

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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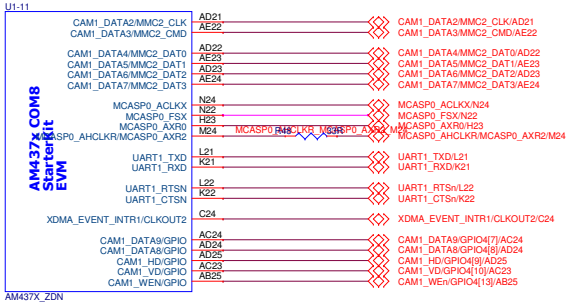

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AM437x Starter Kit EVM

WLAN/Bluetooth COM Board

Size	Document Number	Modified By:	Rev
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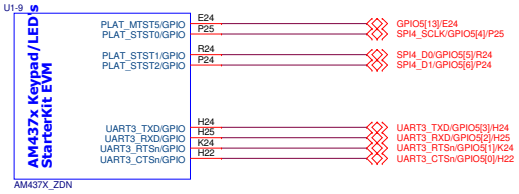

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AM437x Starter Kit EVM

Keypad & Status LED's

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C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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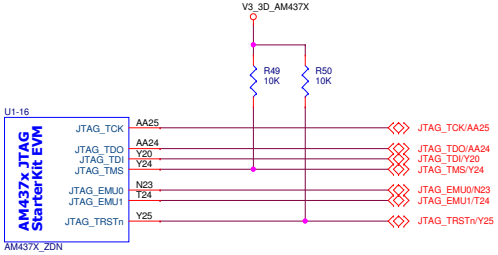

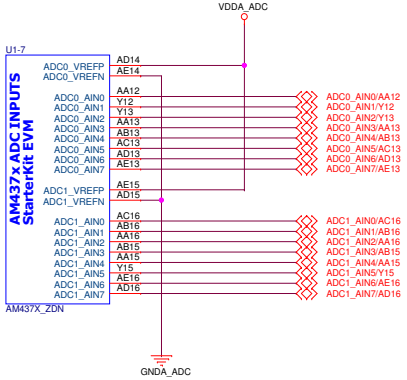

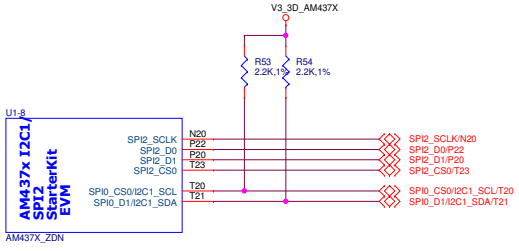

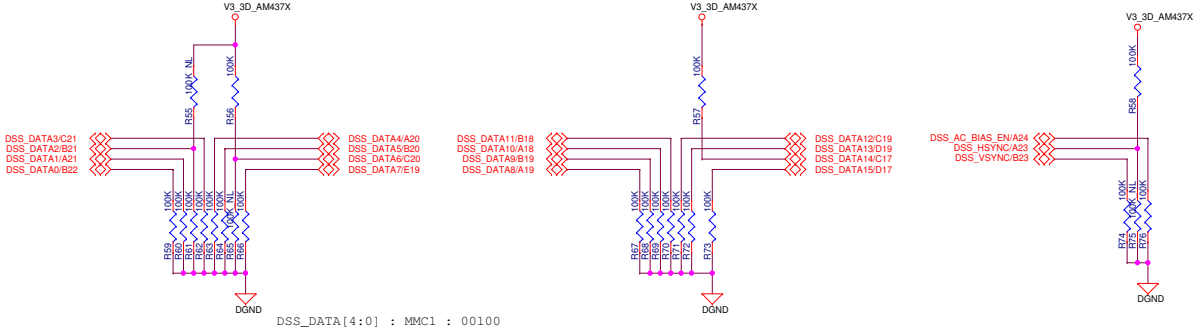

DSS_DATA[4:0] : MMC1 : 00100

DSS_DATA[4:0] : NAND : 00000

DEFAULT SYSBOOT[18:0]=010 0100 0000 0100 0000

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Debug/Configuration

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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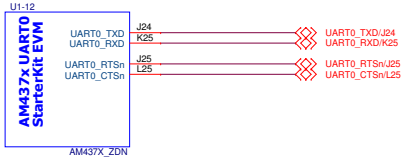

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AM437x Starter Kit EVM
USB JTAG/UART

Size	Document Number	Modified By:	Rev
C	am437x_starterkit_evm_3k0009.dsn	Paul Eaves	1.2A

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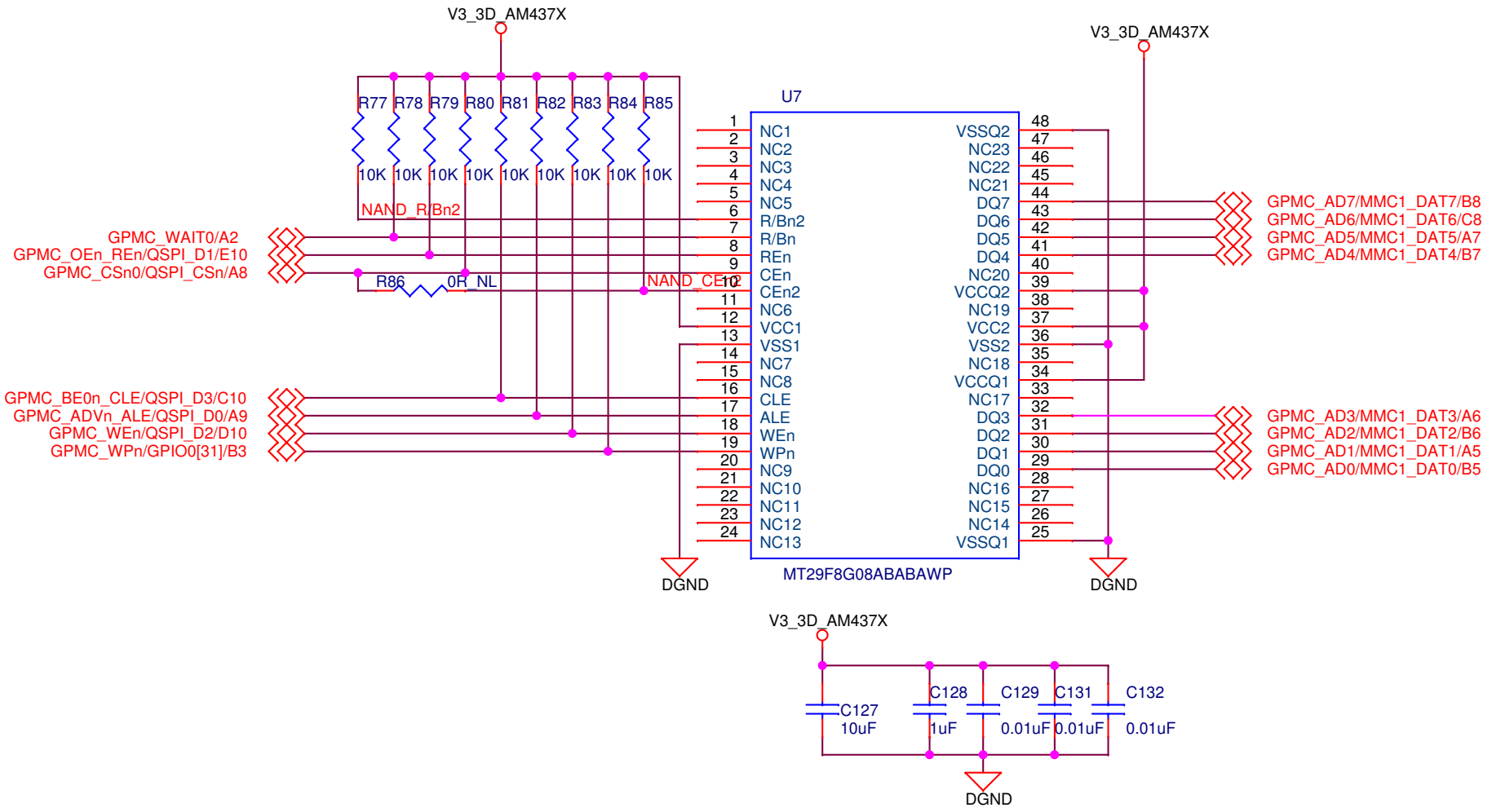

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