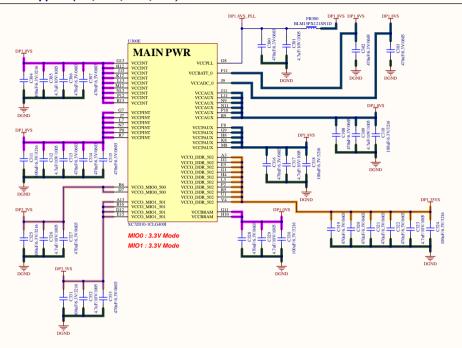


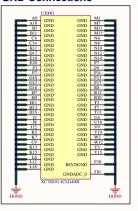
ZYNQ-7000 SOM B'd (Rev.A)

[3] ZYNQ Power & Decoupling

Main Supplies (INT, AUX, DDR, MIO)



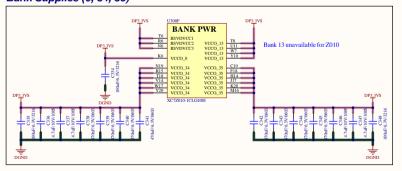
GND Connections



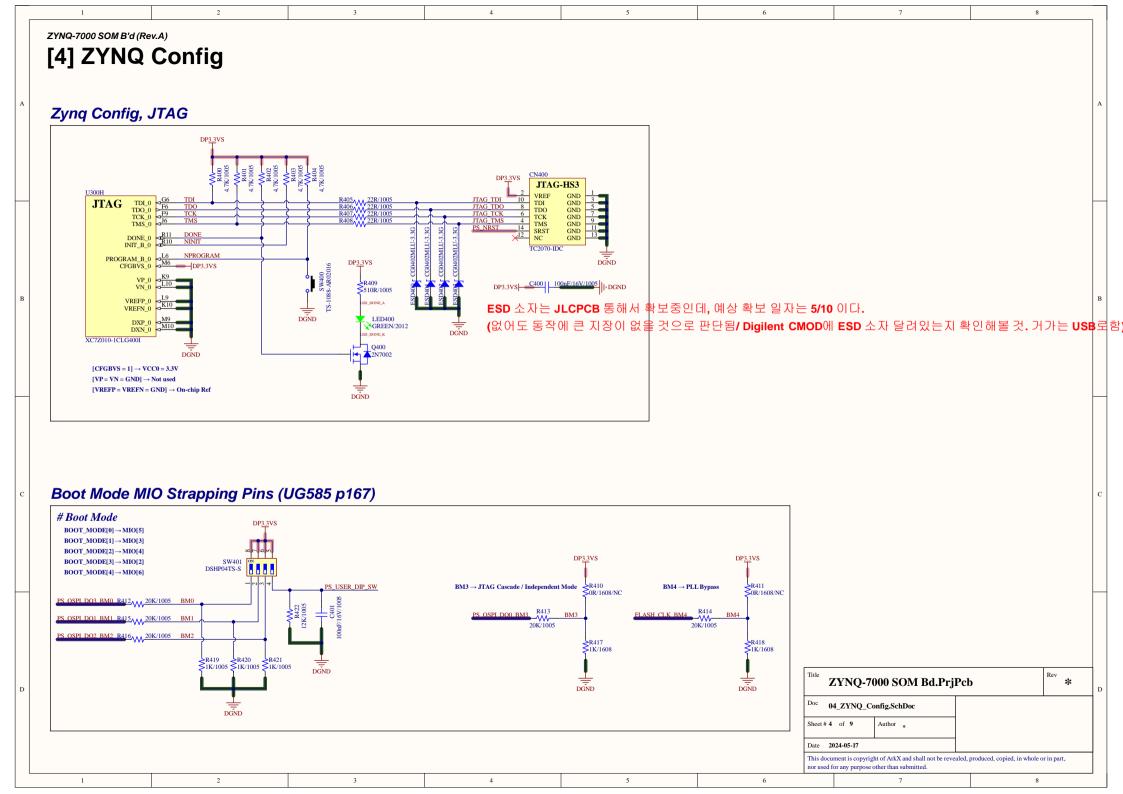
Unused Pins



Bank Supplies (0, 34, 35)



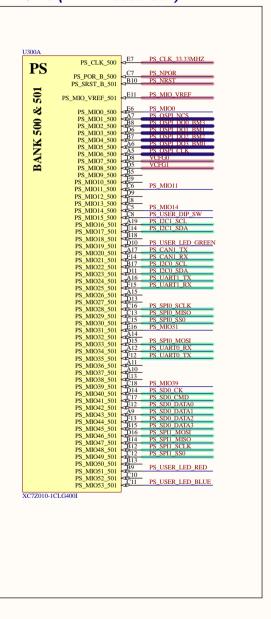
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Date 2024-05-17	•		
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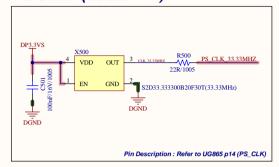
ZYNQ-7000 SOM B'd (Rev.A)

[5] ZYNQ Processing System (PS)

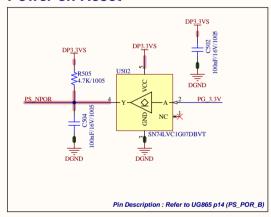
ZYNQ PS (BANK 500 / 501)



PS Clock (33.33 MHz)



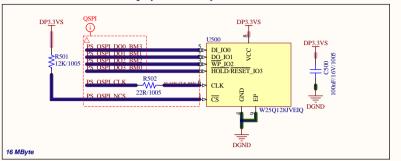
Power on Reset



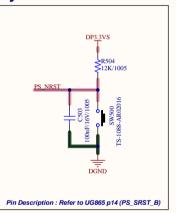
MIO Bank Voltage Mode Config



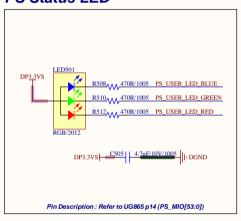
QSPI Flash Memory (128Mbit)



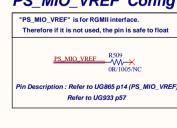
System Reset Switch

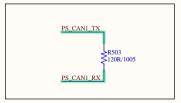


PS Status LED



PS MIO VREF Config PS CAN Term. Resistor





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Sheet # 5 of 9	Author *		
Date 2024-05-17			
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ZYNQ-7000 SOM B'd (Rev.A) [6] ZYNQ Programmable Logic (PL) PL Clock (50MHz) -(i)BANK35 PL CLK 50MHZ VDD PL PL GND S2D50.000000B20F30T(50MHz) BANK 34 IO L3P TO DOS PUDC B 34 IO L3P TO DQS AD1P 35 IO_L3N_T0_DQS_AD1N_35 IO_L4P_T0_35 DGND PL_B35_L5_P IO_L9P_T1_DQS_AD3P_35 IO_L9N_T1_DQS_AD3N_35 IO_L10P_T1_AD11P_35 PL Status LED PL_B35_L10_N PL CLK 50MHZ IO_L14P_T2_AD4P_SRCC_35 IO_L14N_T2_AD4N_SRCC_35 R601_AAA_470R/1005 PL_USER_LED_BLUE PL USER LED RED PL B34_L15_N IO_L14N_12_AD4N_SRCC_33 IO_L15P_T2_DQS_AD12P_35 IO_L15N_T2_DQS_AD12N_35 IO_L16P_T2_35 PL B35 L15 N R603 DP3.3VS C601 4.7uF/10V/1005 DGND IO_L21P_T3_DQS_AD14P_35 IO L21N T3 DQS_AD14N 35 Pin Description: Refer to UG865 p12 (User I/O Pins) **PL PUDC Config** XC7Z010-1CLG400I XC7Z010-1CLG400I "PUDC_B" is for Pull-UP During Configuration (bar) if "PUDC_B" is Low, Internal pull-up resistors are enabled else if "PUDC_B" is High, Internal pull-up resistors are disabled Pin Description : Refer to UG865 p13 (PUDC B) ZYNQ-7000 SOM Bd.PrjPcb * Doc 06_ZYNQ_PL.SchDoc Sheet # 6 of 9 Date 2024-05-17 This document is copyright of ArkX and shall not be revealed, produced, copied, in whole or in part, nor used for any purpose other than submitted.

