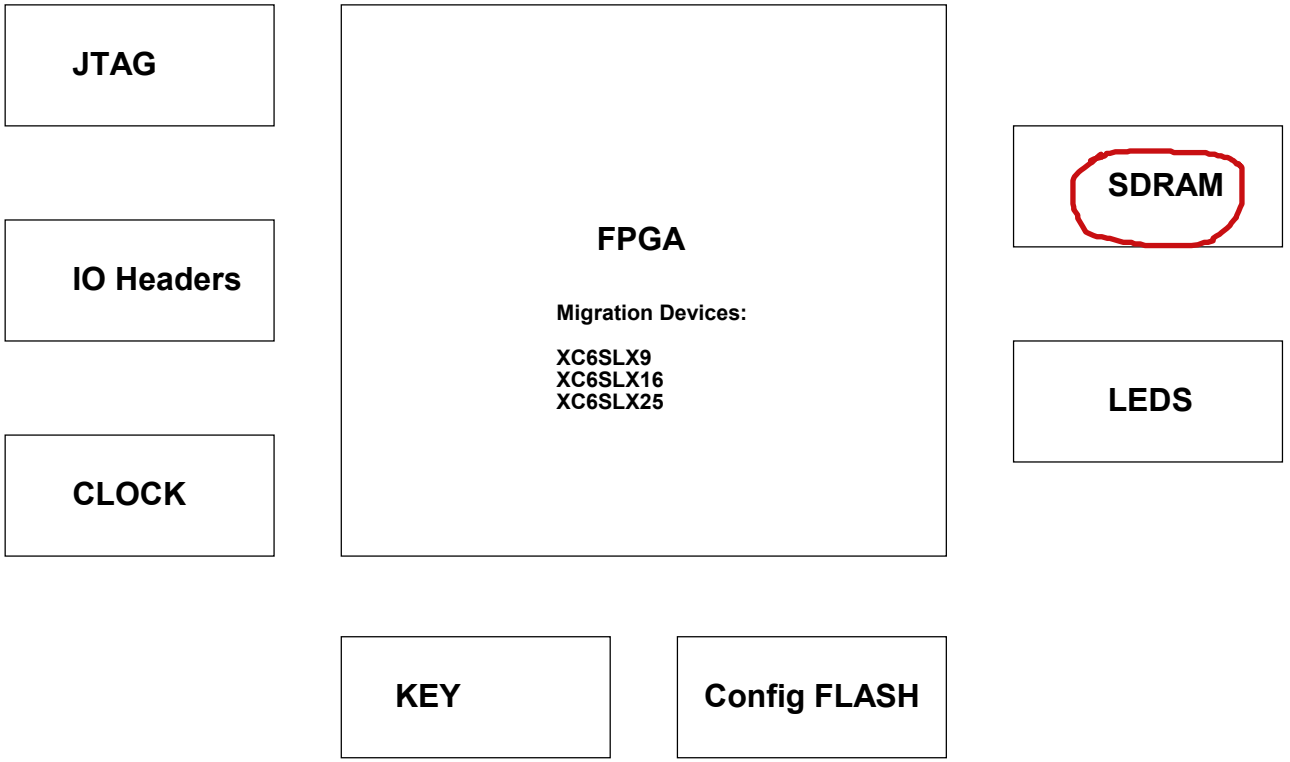
SCHEMATIC PAGE DESCRIPTION :

PAGE01: BLOCK DIAGRAM
PAGE02: POWER DISTRIBUTION
PAGE03: FPGA IO
PAGE04: FPGA CLOCK
PAGE05: FPGA Config
PAGE06: FPGA Power
PAGE07: SDRAM
PAGE08: System Power
PAGE09: Connectors

BLOCK DIAGRAM



Chengdu black hawk electronic technology co.,Ltd		
Title: Xilinx Spartan-6 FPGA S604		
Size: A3	Document Number: Block Diagram	Rev: V1.0
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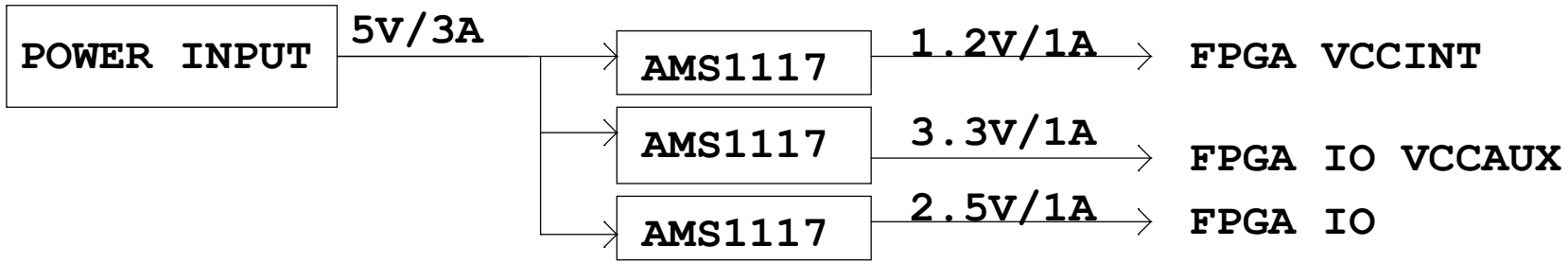
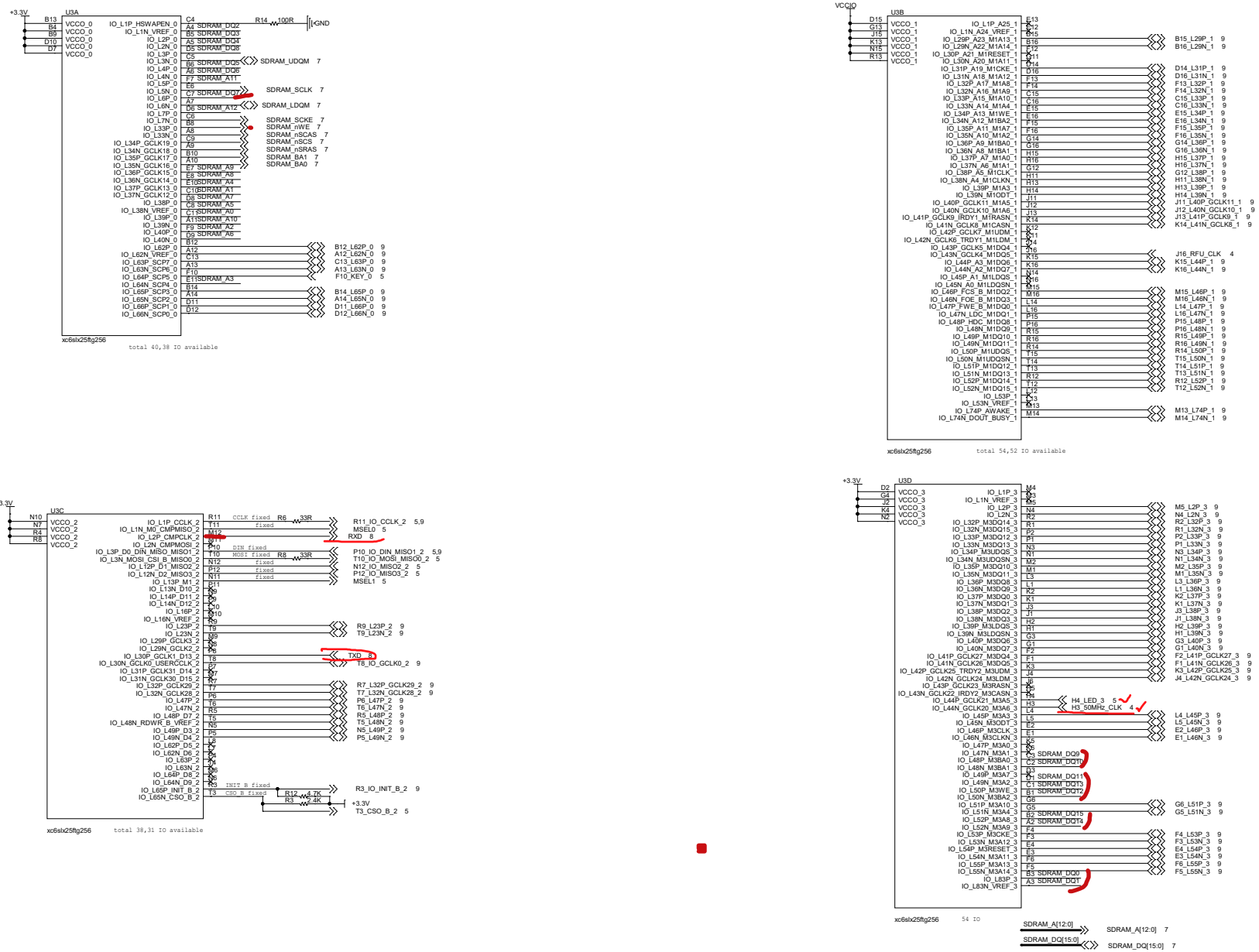
POWER CONSUMPTION

COMPONENTS	VOTAGE&CURRENT						
	1.2V	2.5V	3.3V				
FPGA	TBD	TBD	TBD				

POWER DISTRIBUTION



Chengdu black hawk electronic technology co.,Ltd			
Title	Xilinx Spartan-6 FPGA S604		
Size A3	Document Number Power Distribution		Rev V1.0
Date: Saturday, May 29, 2021	Sheet 2 of 9		


U3A
xc6slx25ftg256
total 40,38 IO available
U3B
xc6slx25ftg256
total 54,52 IO available
U3C
xc6slx25ftg256
total 38,31 IO available
U3D
xc6slx25ftg256
54 IO
SDRAM_A[12:0]
SDRAM_DQ[15:0]
H4_LED_3
H3_50MHz_CLK
TXD_0
Chengdu black hawk electronic technology co.,Ltd
Xilinx Spartan-6 FPGA S604
Document Number
FPGA IO
Rev
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Saturday, May 29, 2021
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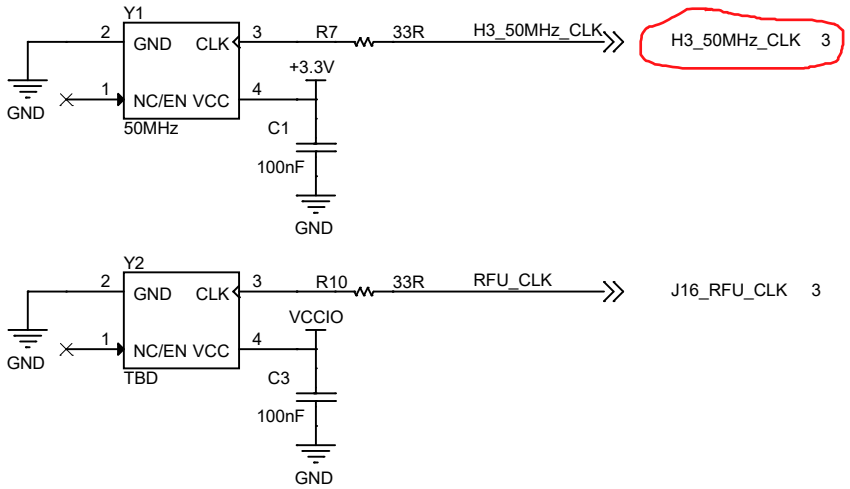

Chengdu black hawk electronic technology co.,Ltd		
Title: Xilinx Spartan-6 FPGA S604		
Size: A4	Document Number: FPGA CLOCK	Rev: V1.0
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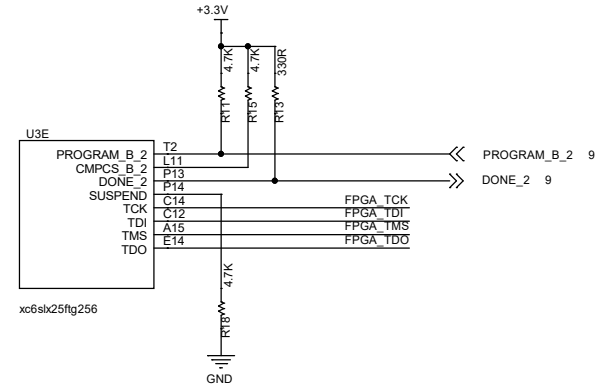
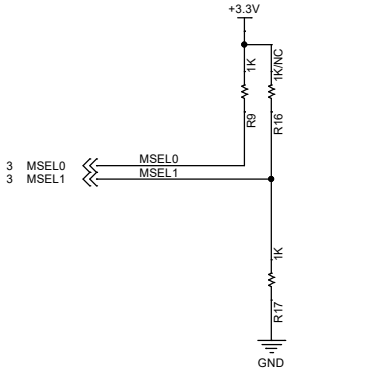
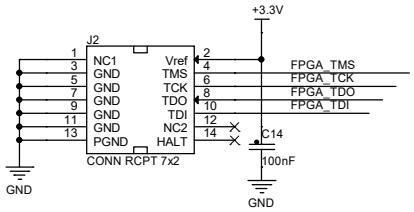
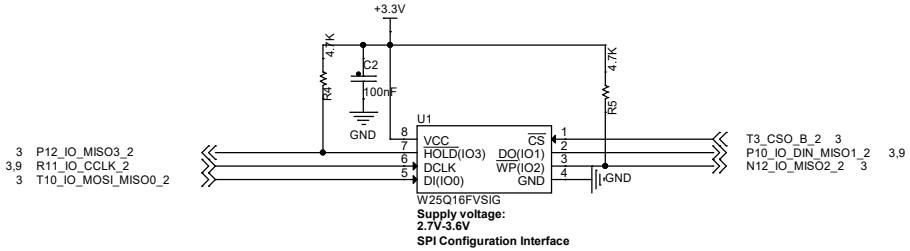
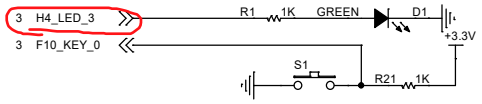




MSEL[1-0]	MODE
01	SPI
11	SLAVE SERIAL







Chengdu black hawk electronic technology co.,Ltd		
Title: Xilinx Spartan-6 FPGA S604		
Size: A3	Document Number: FPGA Config	Rev: V1.0
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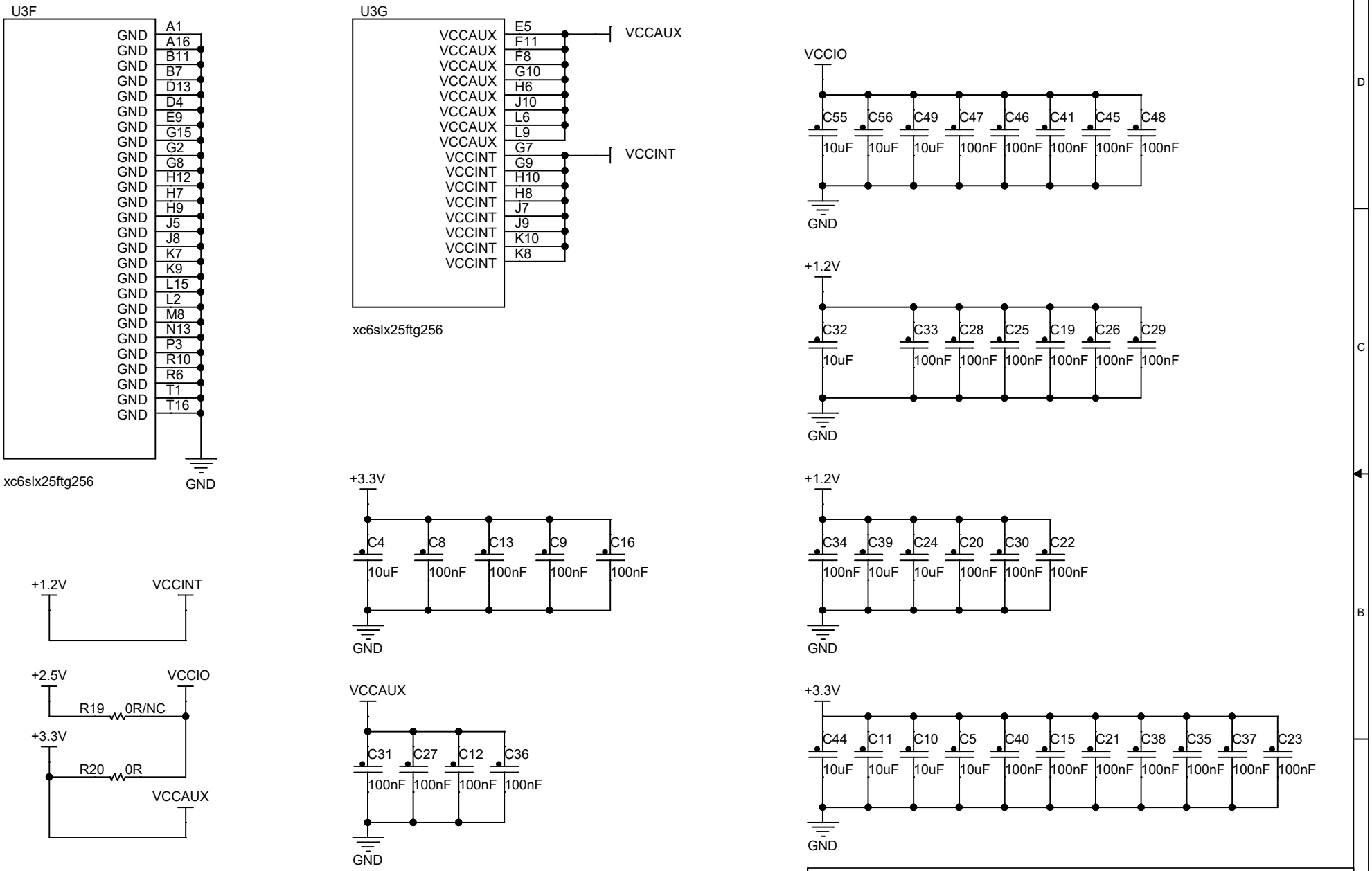
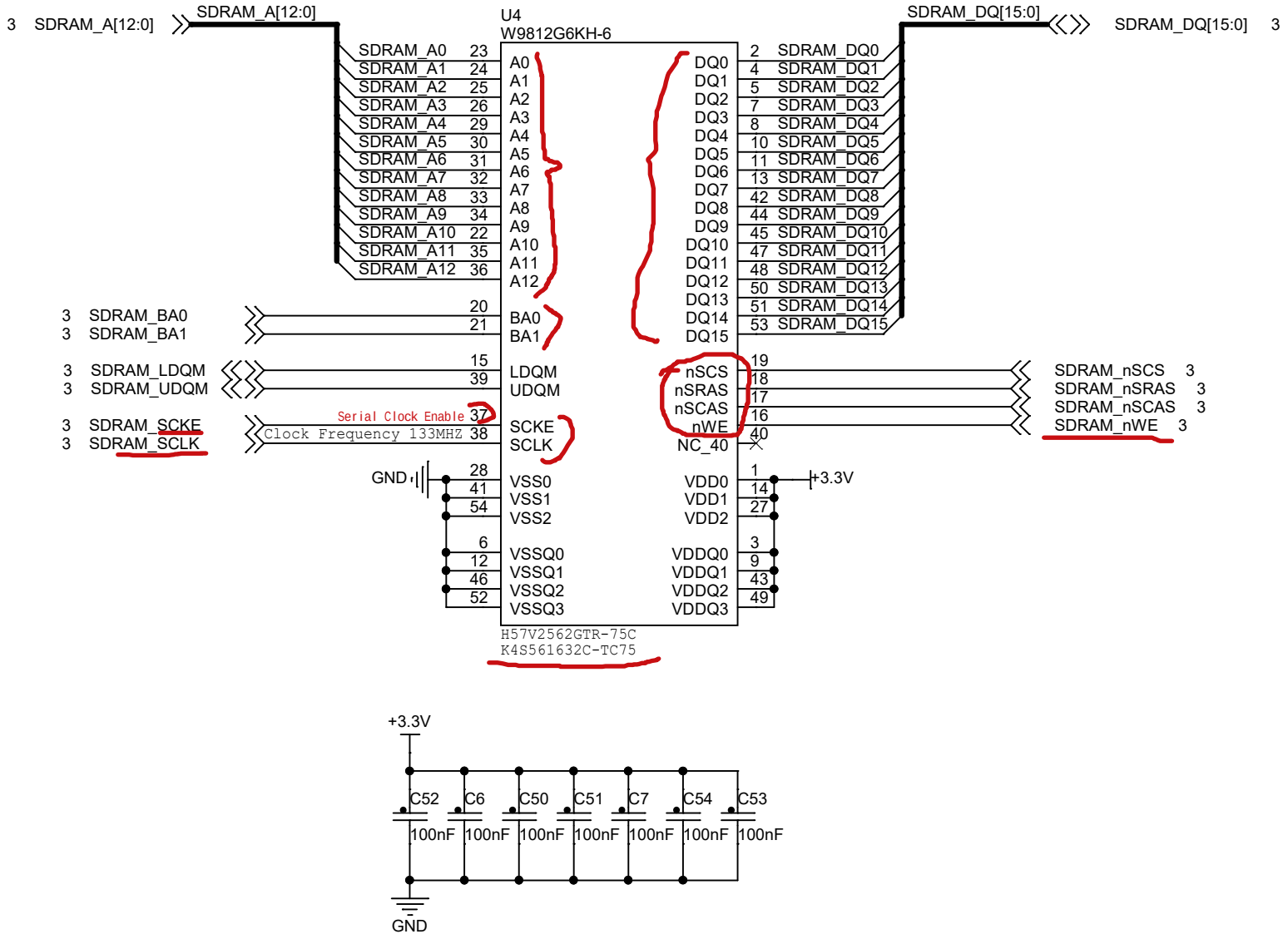
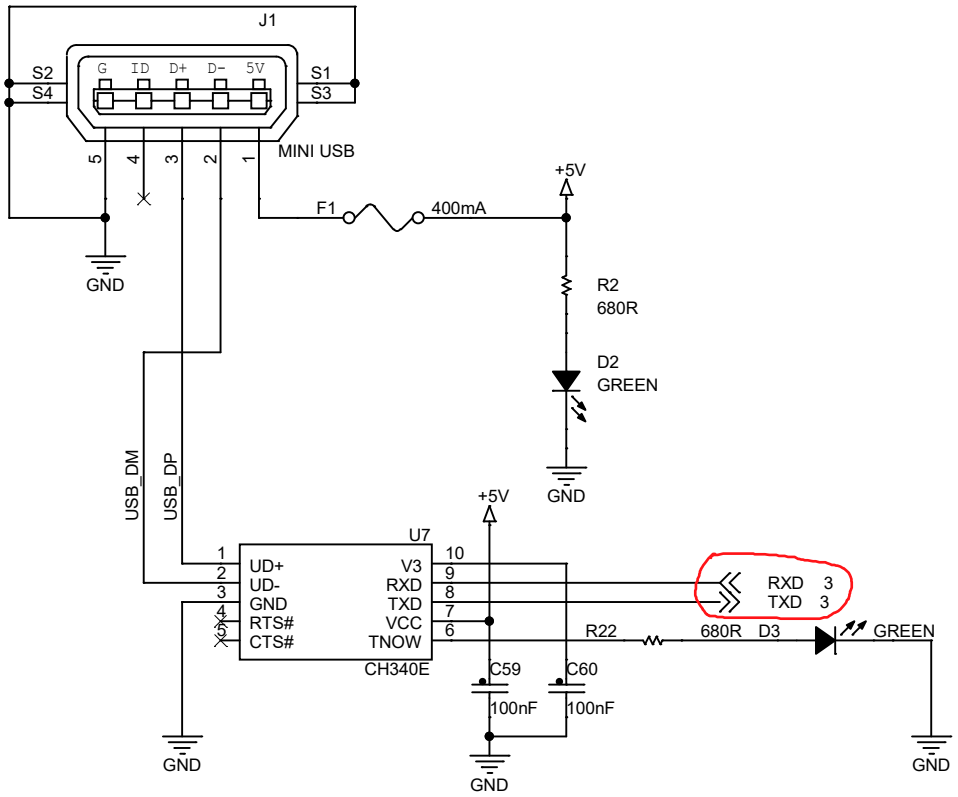


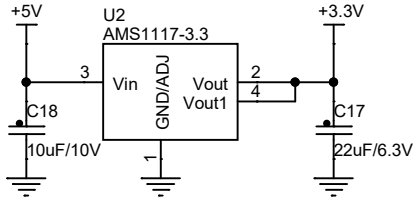
Chengdu black hawk electronic technology co.,Ltd

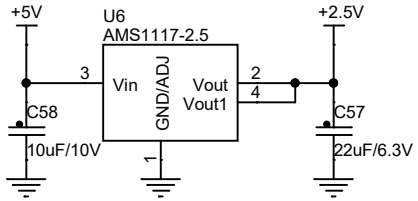
Title	Xilinx Spartan-6 FPGA S604	
Size A	Document Number FPGA Power	Rev V1.0
Date: Saturday, May 29, 2021	Sheet 6 of 9	

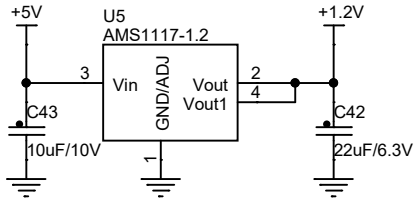


Chengdu black hawk electronic technology co.,Ltd		
Title: Xilinx Spartan-6 FPGA S604		
Size: A	Document Number: SDRAM	Rev: V1.0
Date: Saturday, May 29, 2021	Sheet 7 of 9	

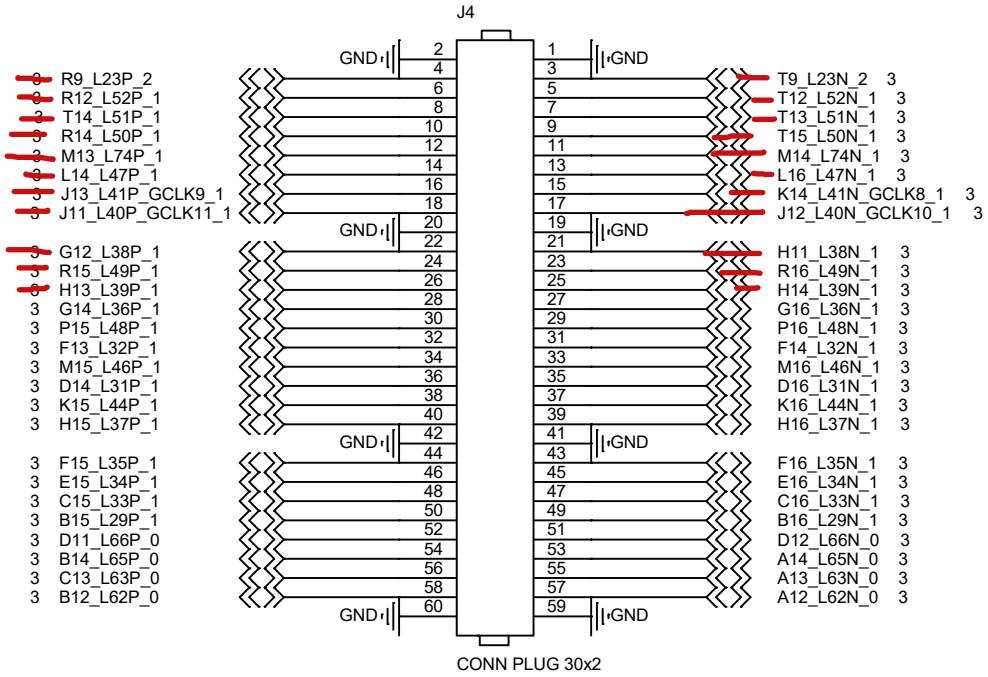


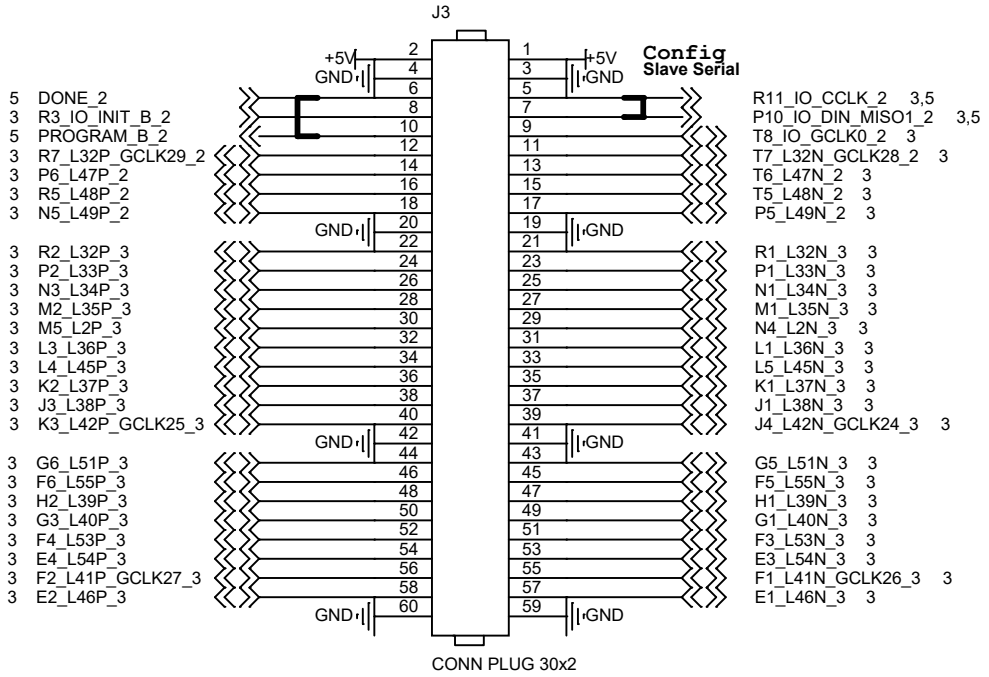


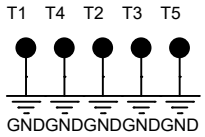




Chengdu black hawk electronic technology co.,Ltd		
Title: Xilinx Spartan-6 FPGA S604		
Size: A4	Document Number: System Power	Rev: V1.0
Date: Saturday, May 29, 2021	Sheet 8 of 9	







Title: Xilinx Spartan-6 FPGA S604		
Size: A4	Document Number: Connectors	Rev: V1.0
Date: Saturday, May 29, 2021	Sheet 9 of 9	