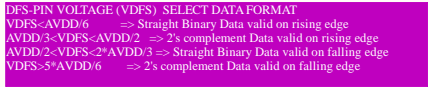
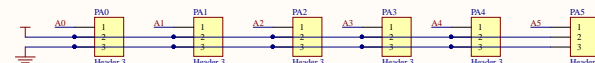
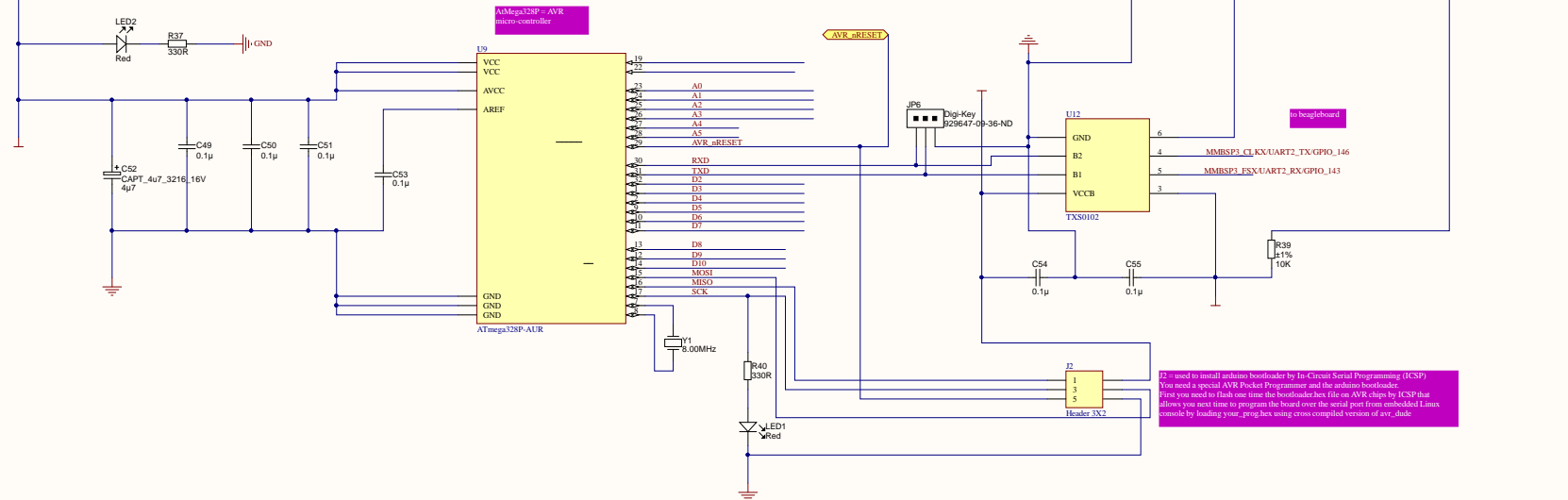
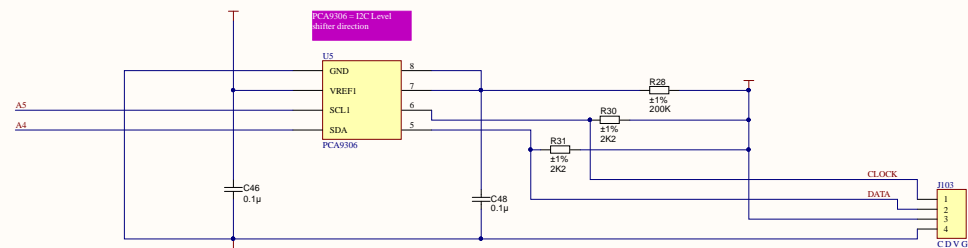
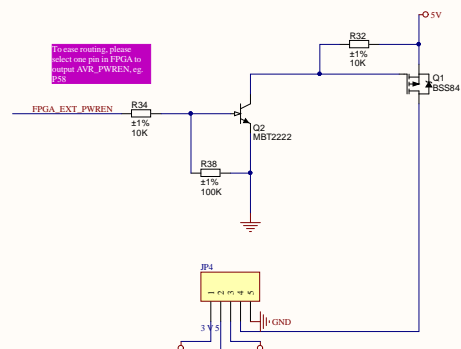


Use 5V from P17
connector pin B2 5V

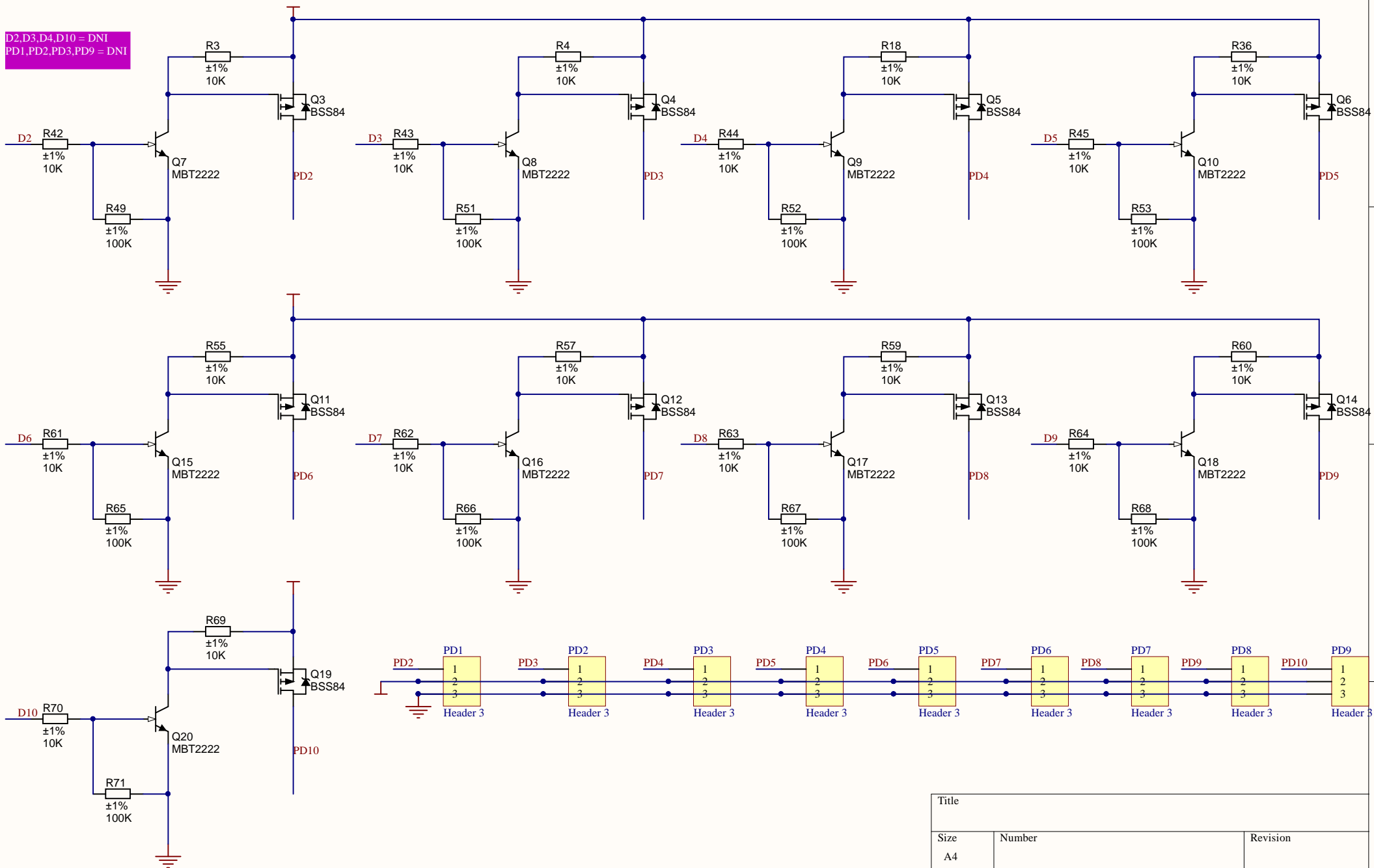


Title			
Size A3	Number		Revision
Date:	10/07/2019	Sheet of	
File:	E:\bbsm\jadc.schdoc	Drawn By:	

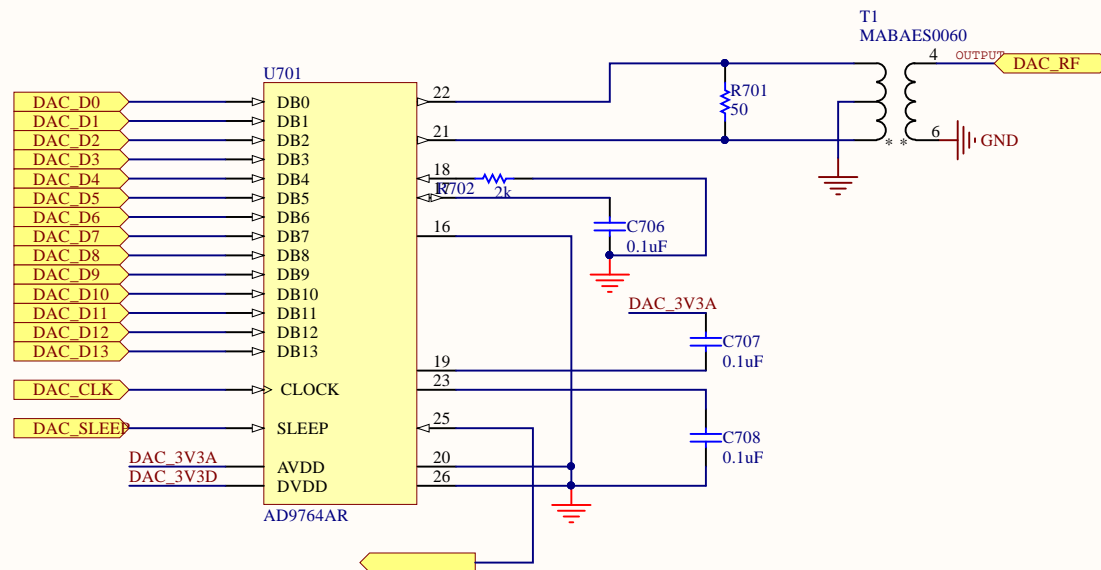


Title		
Size A2	Number	Revision
Date:	10/07/2019	Sheet of
File:	E:\bbsxm\javy SchDoc	Drawn By:

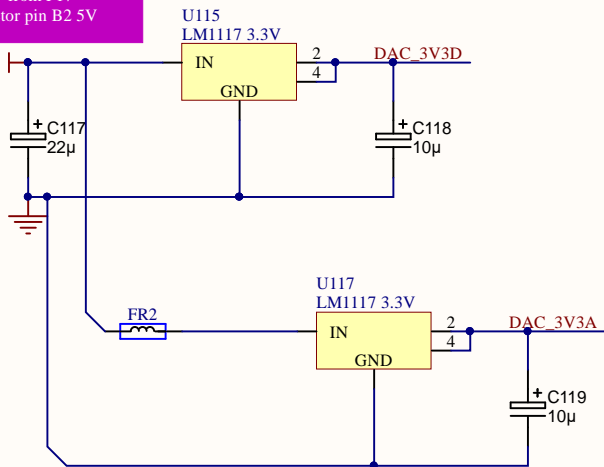
D2,D3,D4,D10 = DNI
PD1,PD2,PD3,PD9 = DNI



Title		
Size	Number	Revision
A4		
Date:	10/07/2019	Sheet of
File:	E:\bbxm\...\avr_output.SchDoc	Drawn By:

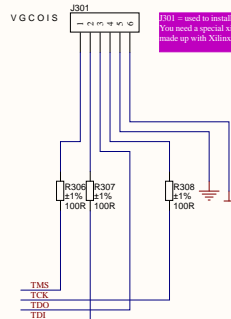


Use 5V from P17
connector pin B2 5V



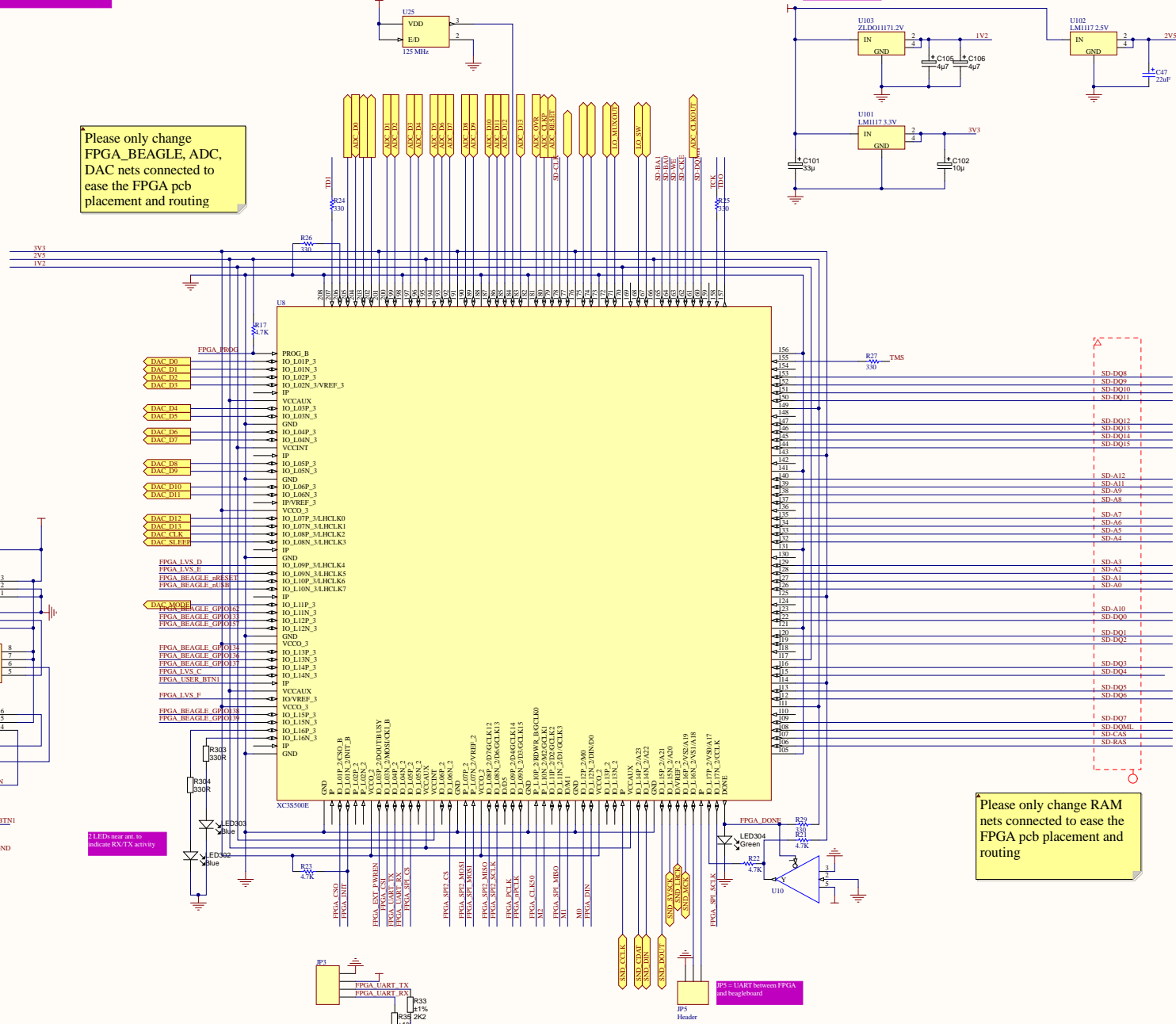
DAC_MODE = connected to
DCOM for straight binary,
DVDD for twos complement.

Title		
Size A4	Number	Revision
Date:	10/07/2019	Sheet of
File:	E:\bbxm\...\dac.SchDoc	Drawn By:



J301 - used to install bit file with Xilinx USB JTAG
You need a special Xilinx Jtag Programmer by loading your_prog.bit made up with Xilinx USE tools

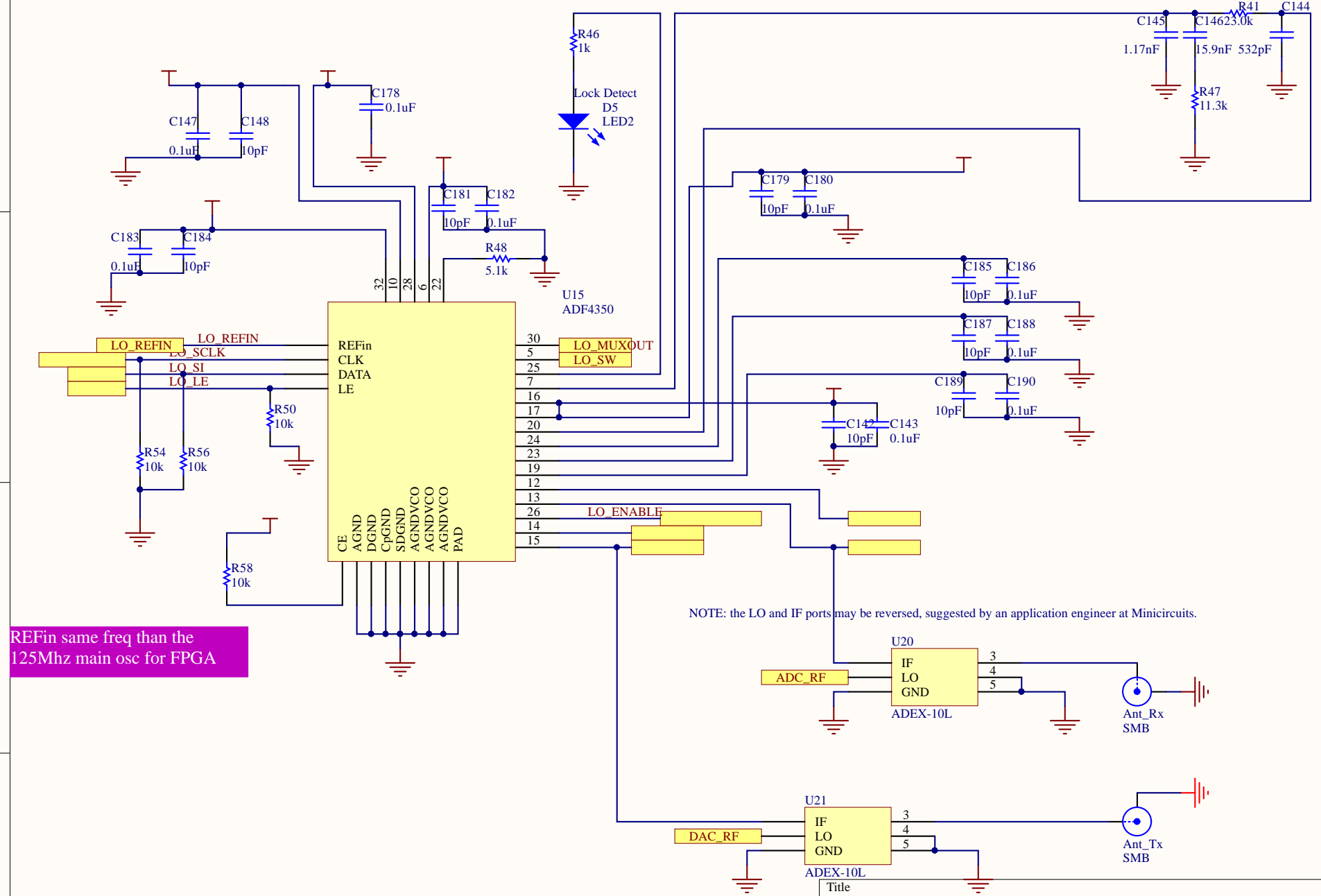
Please only change
FPGA_BEAGLE, ADC,
DAC nets connected to
ease the FPGA pcb
placement and routing



SDram.SchDoc

Please only change RAM
nets connected to ease the
FPGA pcb placement and
routing

Title		
Size	Number	Revision
A2		
Date	10/07/2019	Sheet: 01
File	E:\bham\ddk\schdoc	Drawn By:



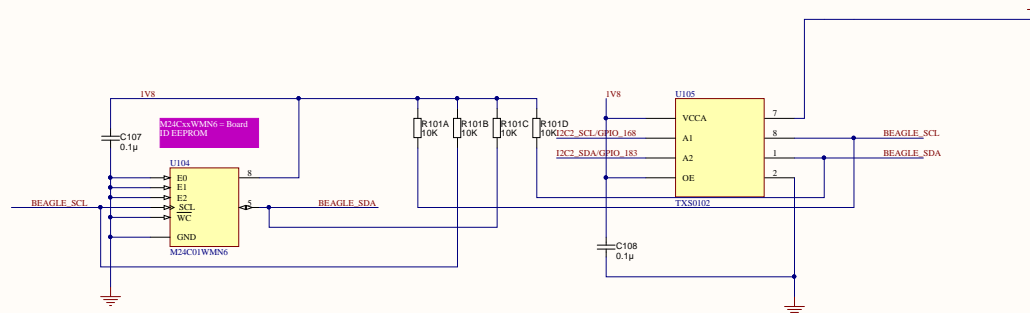
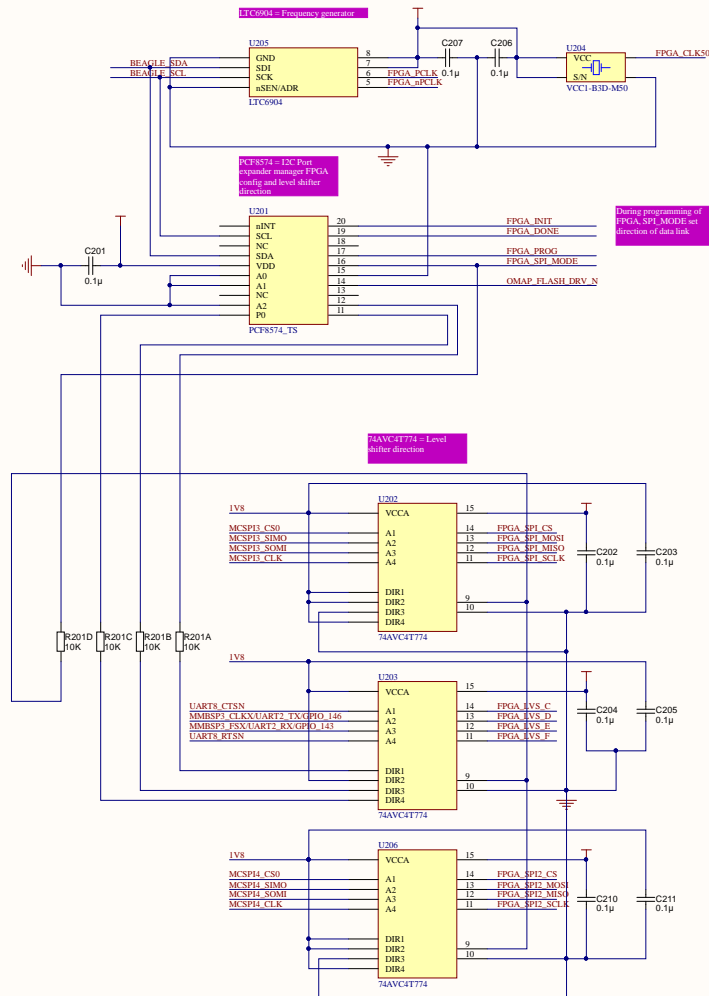
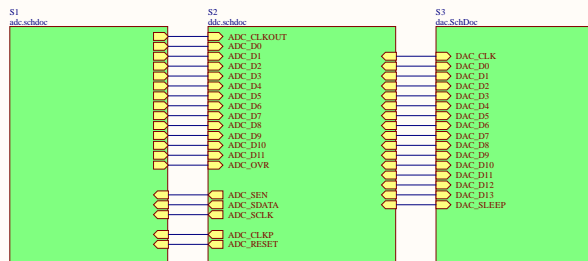
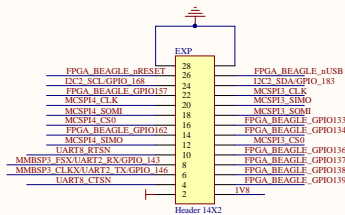
Title		
Size	Number	Revision
A		
Date:	10/07/2019	Sheet of
File:	E:\bbxm\...\LO.SchDoc	Drawn By:

You can change the
FPGA_BEAGLE_x in
expansion port NC
to ease the pcb placement
and routing

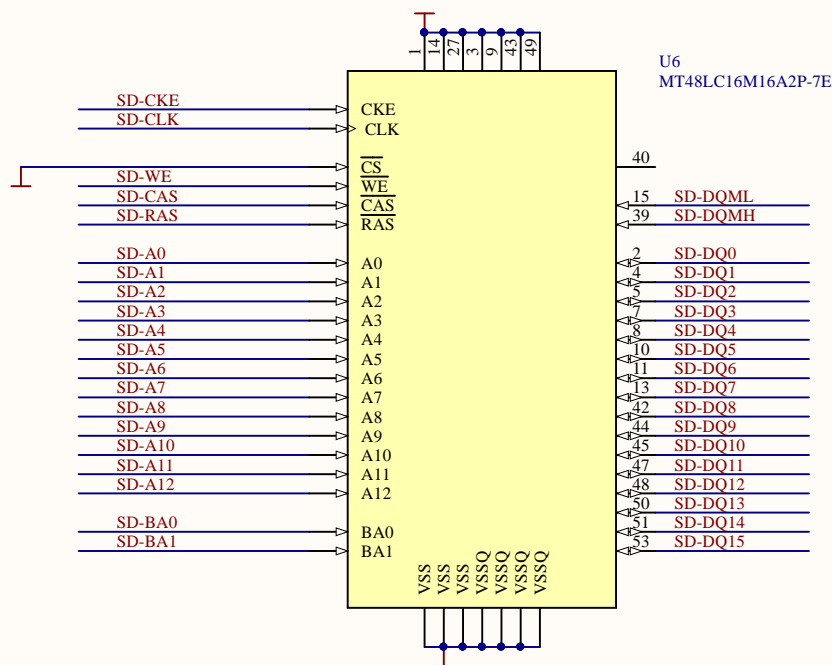
Warning: over-voltage
2.5V instead of 1.8V may
harm beagleboard

Change Beagleboard-xM
expansion connector 2x14
to Beagleboard expansion
connector P17

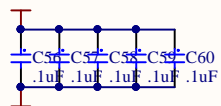
Used bus are :
I2C2
UART2
MCSP13
MCSP14
You must NOT change
them



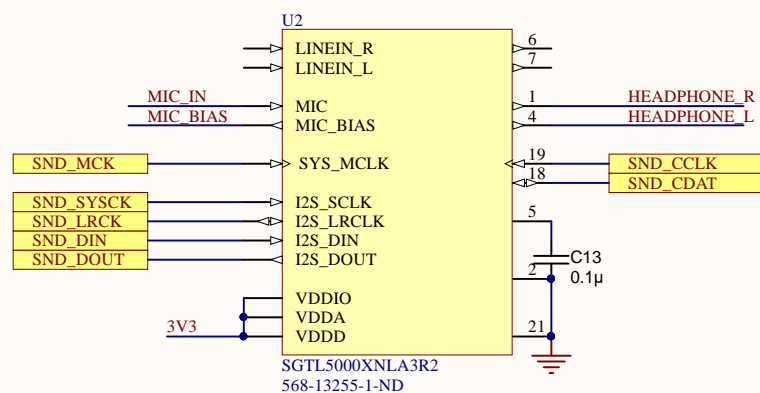
Please be careful about tracks length for ddr-sdram



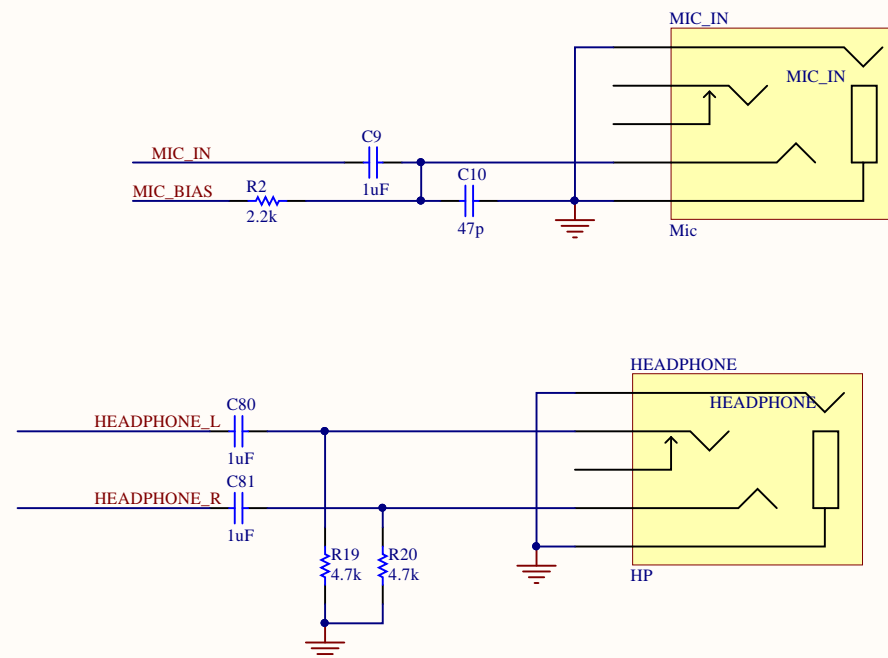
SDRAM



Title		
Size	Number	Revision
A4		
Date:	10/07/2019	Sheet of
File:	E:\bbxm\...\sdram.SchDoc	Drawn By:



Only Dout can be connected to
FPGA IP type pin



Title		
Size A4	Number	Revision
Date: 10/07/2019	Sheet of	
File: E:\bbxm\...\sound.SchDoc	Drawn By:	

