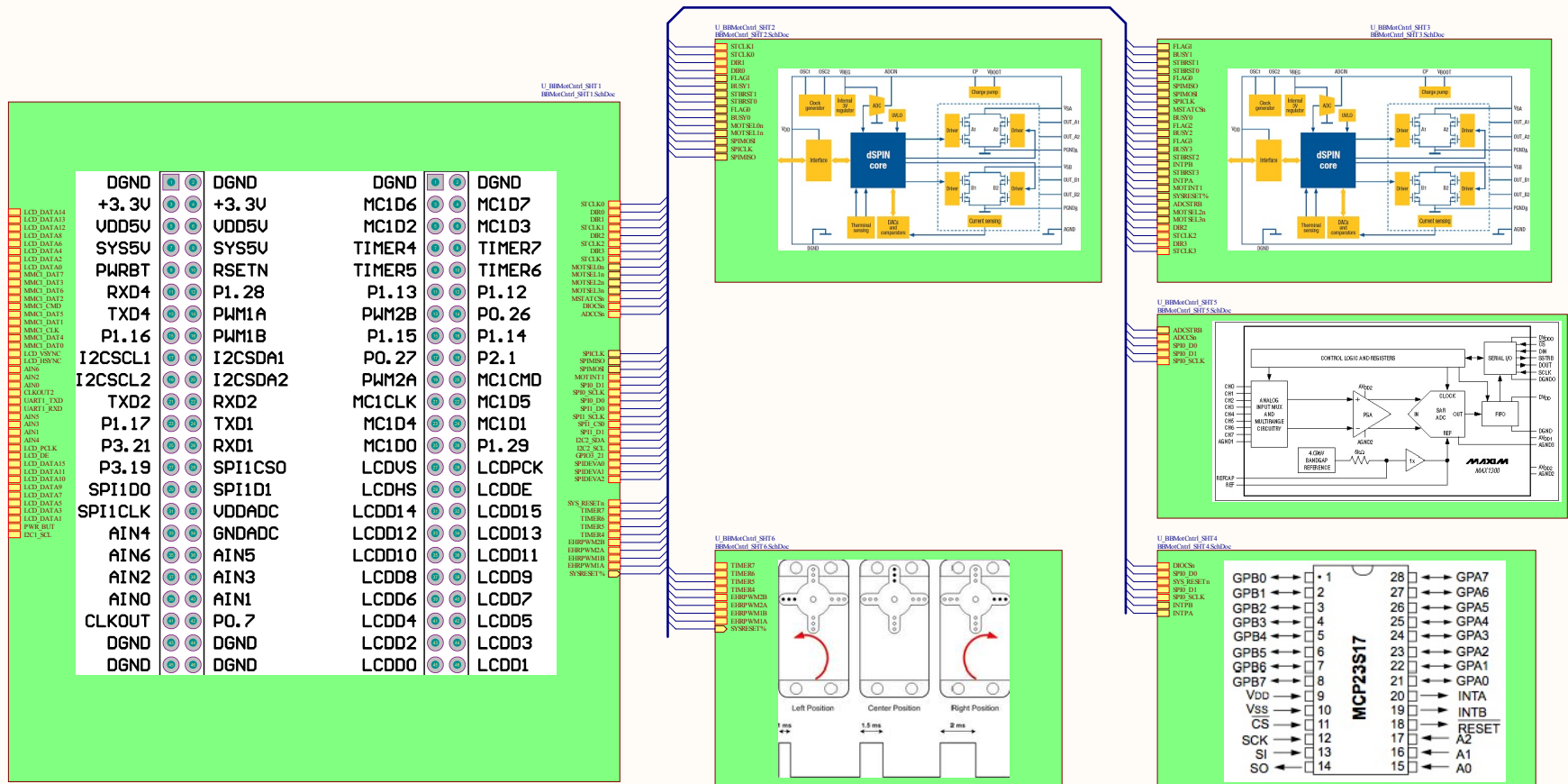


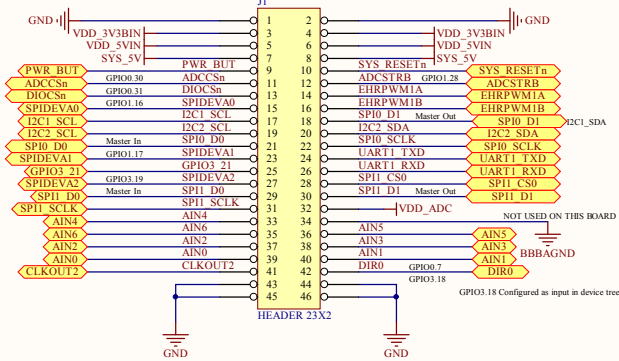
EMBEDDEDTOYS.COM
BEAGLEBONE BLACK ROBO CAPE REV A
3/2/2014

SHEET	
1	BBB Robo Cape Interface + SPI Decoding
2	BBB Robo Cape L6470 (1 and 2)
3	BBB Robo Cape L6470 (3 and 4)
4	BBB Robo Cape Digital I/O
5	BBB Robo Cape MAX1300 ADC
6	BBB Robo Cape PWM + PWR IN

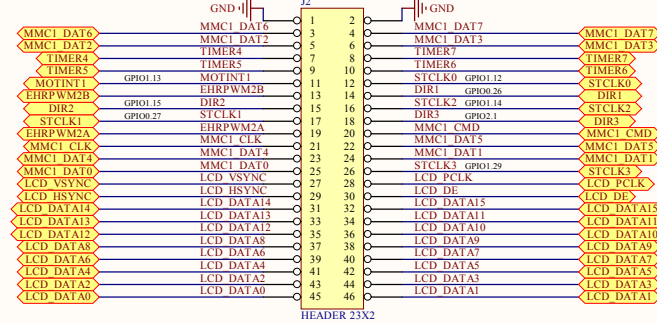


BBB Interface

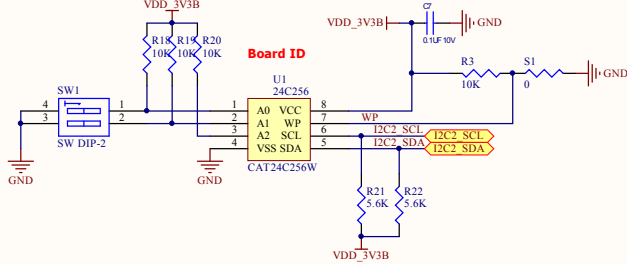
Beaglebone Black P9 Header



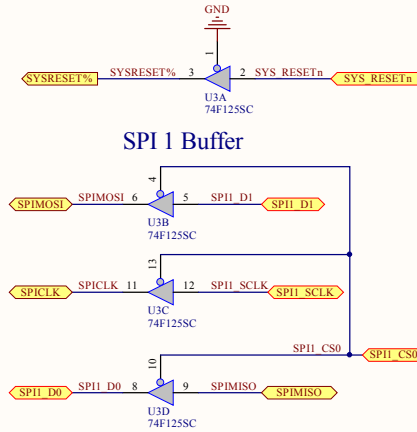
Beaglebone Black P8 Header



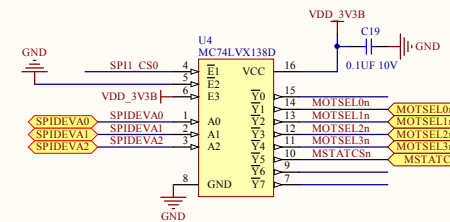
Board Data Memory



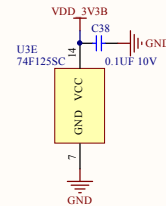
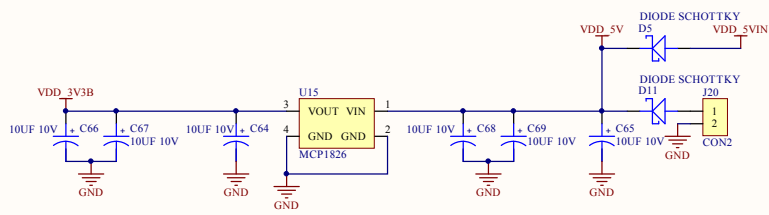
SPI 1 Buffer



Chip Select Decoder

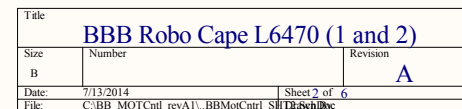


PWR IN + 3.3V REGULATOR



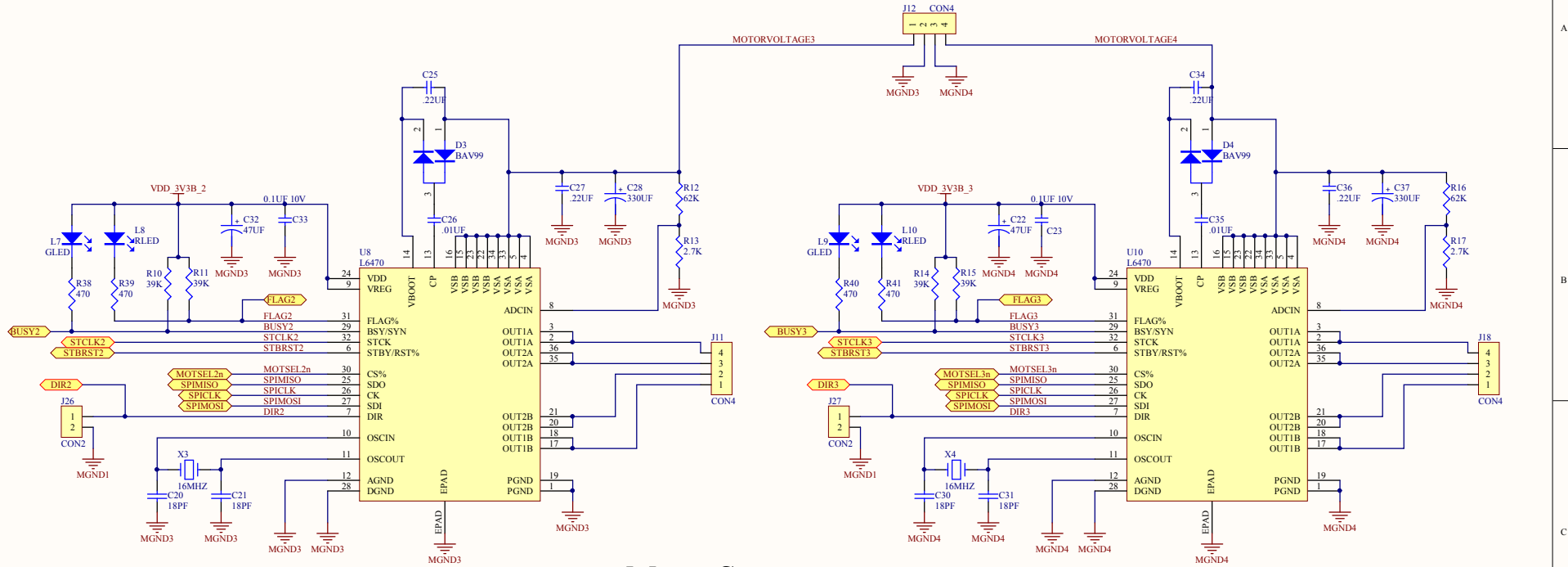
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BBB Robo Cape Interface + SPI Decoding		
Size	Number	Revision
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Date:	7/13/2014	Sheet 1 of 6
File:	C:\BB MOTCtrl revA1\BBMotCtrl SH140710.doc	

L6470 Motor Control 2

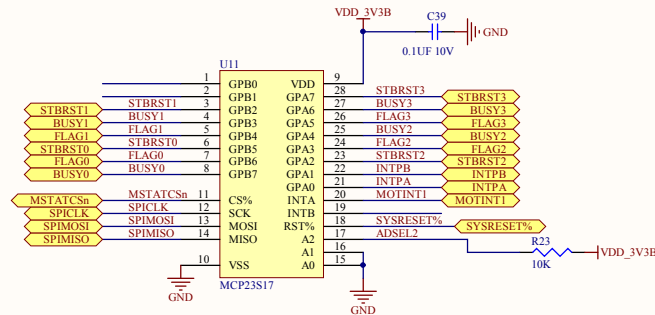


L6470 Motor Control 3

L6470 Motor Control 4

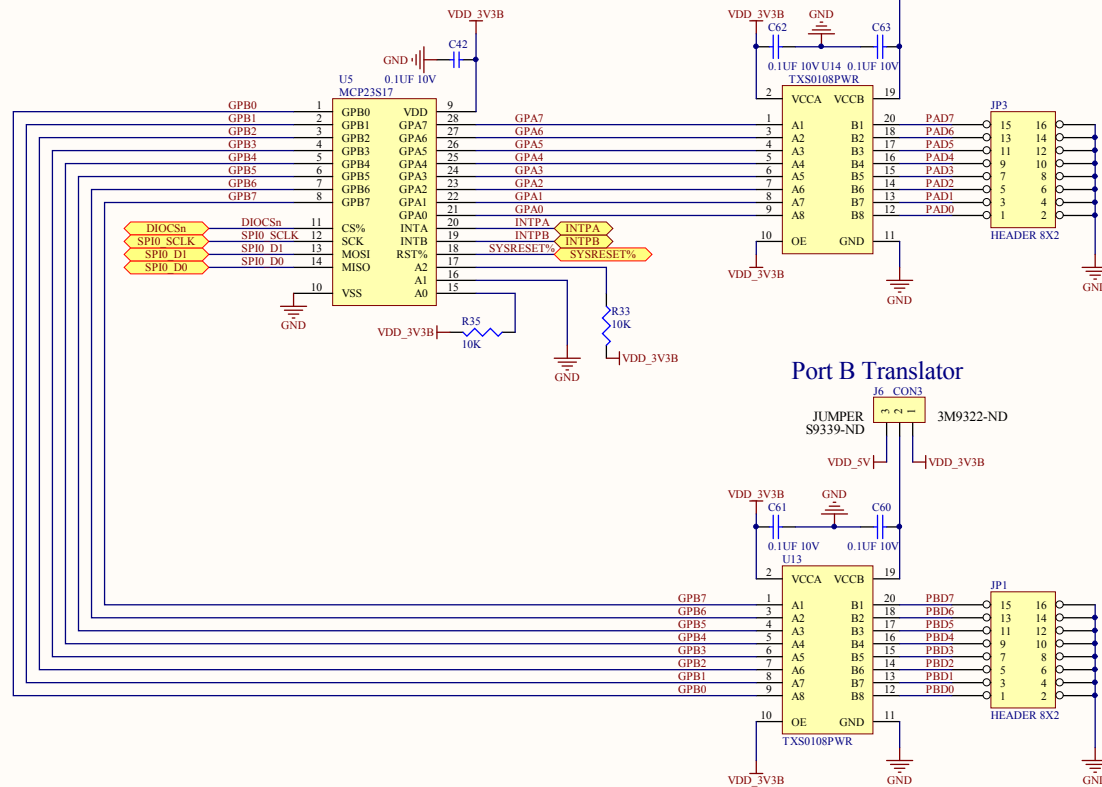


Motor Status



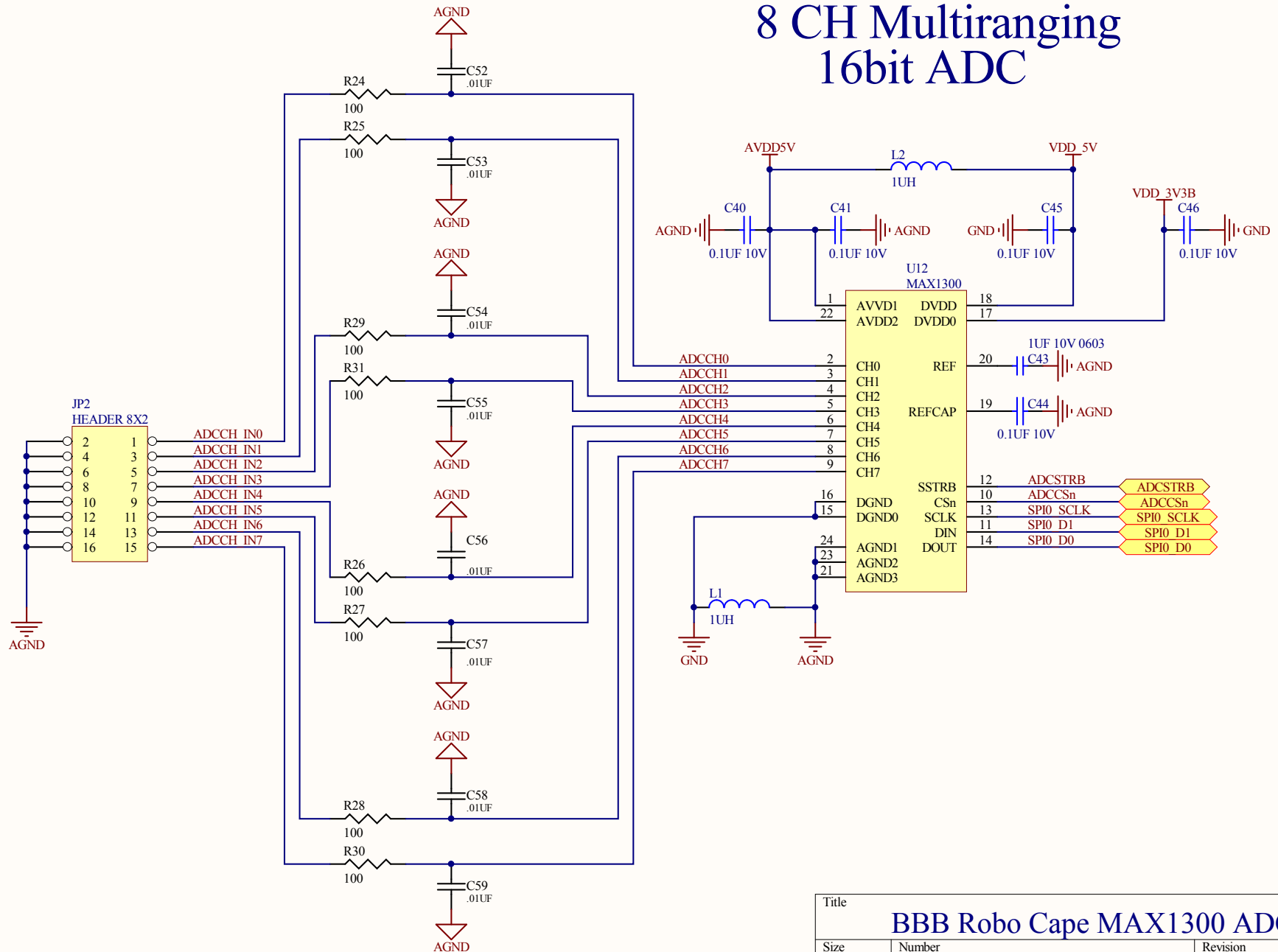
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BBB Robo Cape L6470 (3 and 4)		
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Port A And B Digital I/O



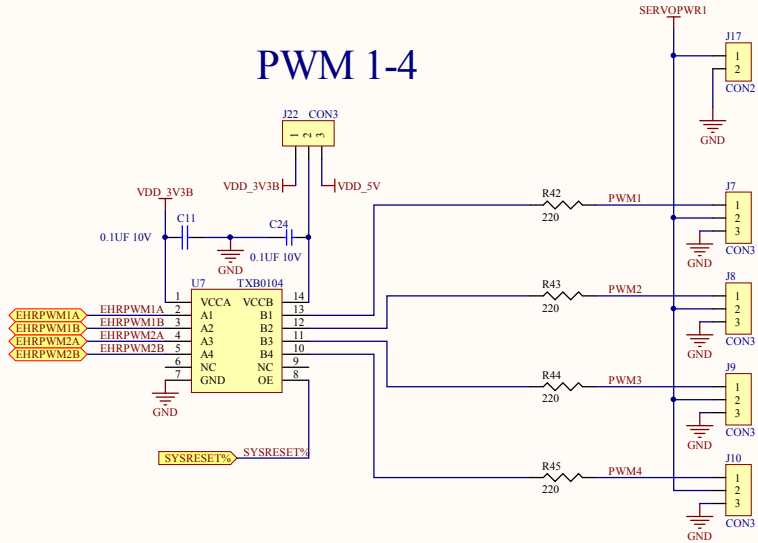
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8 CH Multiranging 16bit ADC

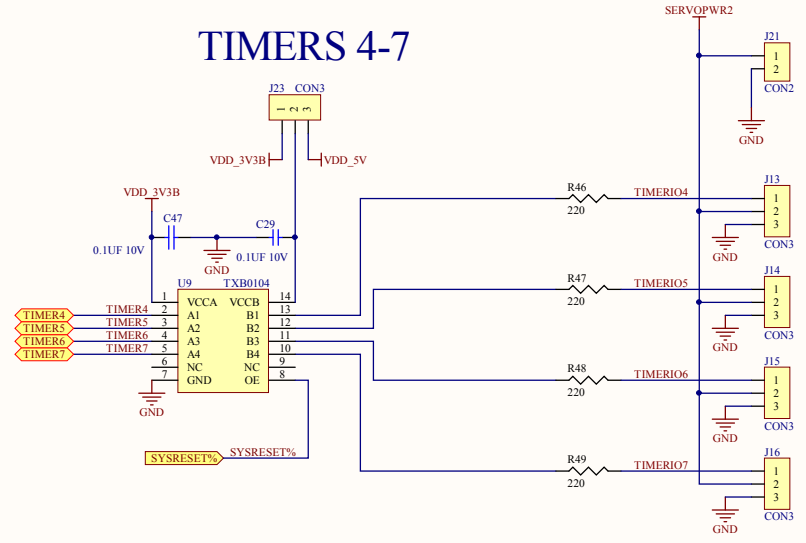


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BBB Robo Cape MAX1300 ADC		
Size	Number	Revision
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PWM 1-4



TIMERS 4-7



Title		
BBB Robo Cape PWM + PWR IN		
Size	Number	Revision
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Date:	7/13/2014	Sheet 6 of 6
File:	C:\BB MotCntrl revA1\BBMotCntrl Schematic.doc	