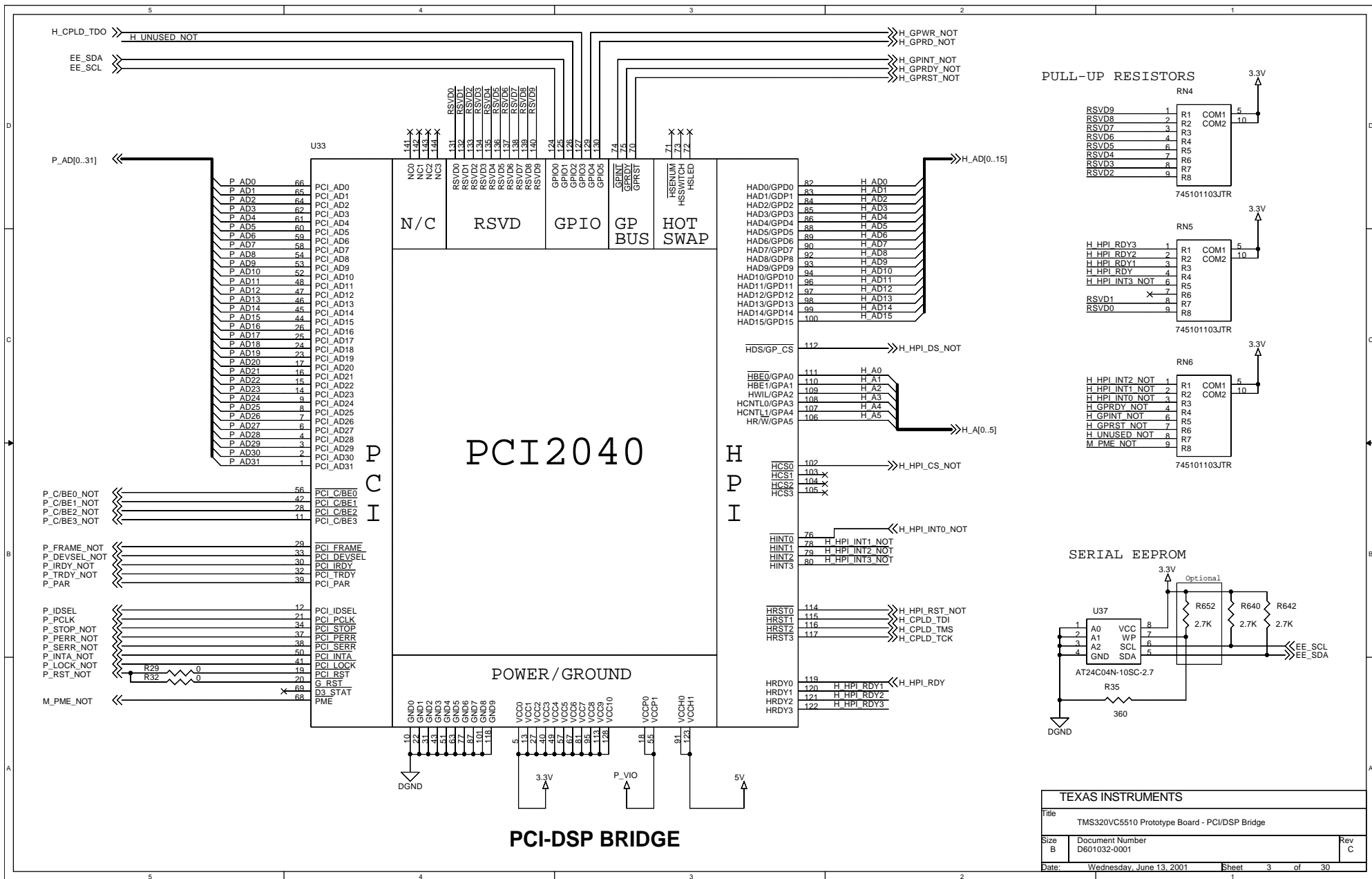


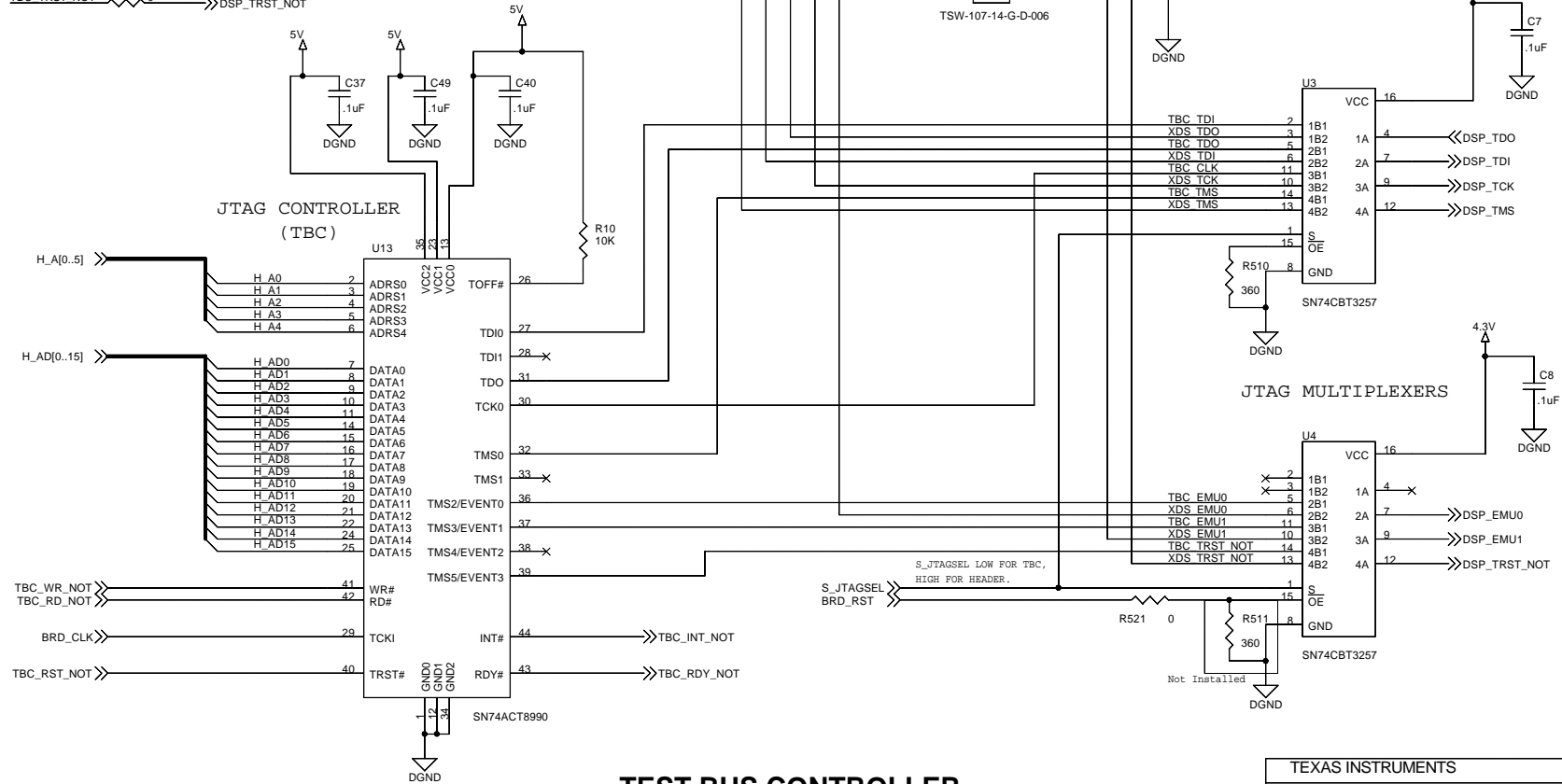
PCI CONNECTOR



JTAG PASS THRU

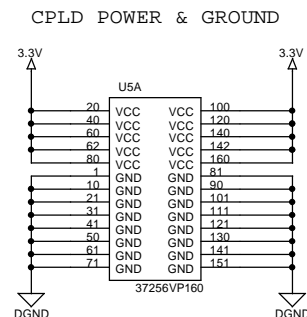
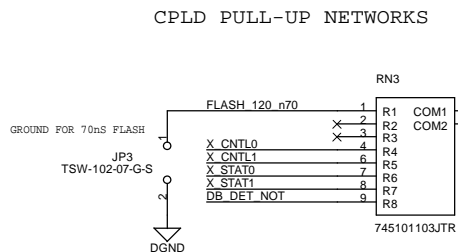
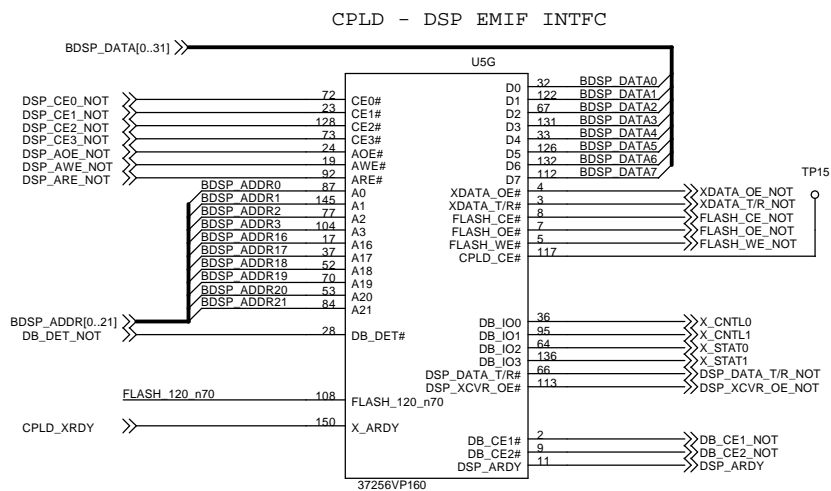
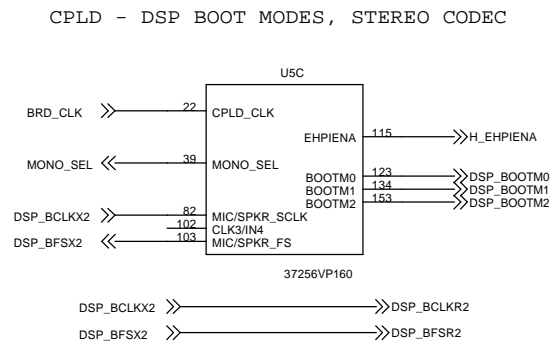
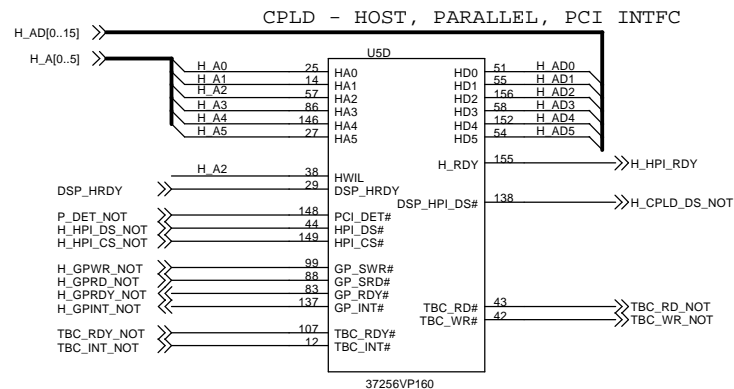
NOTE: Resistors only installed if the JTAG header is not installed.

TBC TDO R524 0 >>> DSP_TDI
TBC TDI R517 0 <<< DSP_TDO
TBC CLK R528 0 >>> DSP_TCK
TBC TMS R519 0 >>> DSP_TMS
TBC EMU0 R525 0 >>> DSP_EMU0
TBC EMU1 R529 0 >>> DSP_EMU1
TBC TRST NOT R520 0 >>> DSP_TRST_NOT

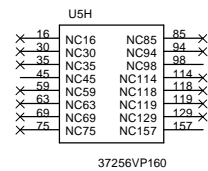


TEST BUS CONTROLLER

TEXAS INSTRUMENTS			
Title	TMS320VC5510 Prototype Board - Test Bus Controller		
Size B	Document Number D601032-0001	Rev C	
Date:	Wednesday, June 13, 2001	Sheet 4 of 30	1

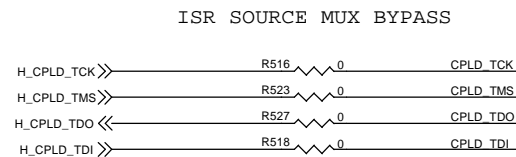
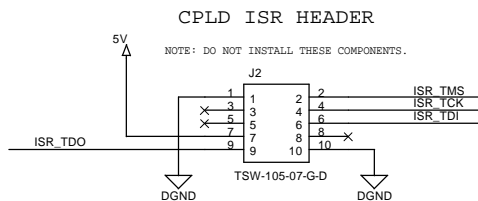


CPLD SPARE I/O

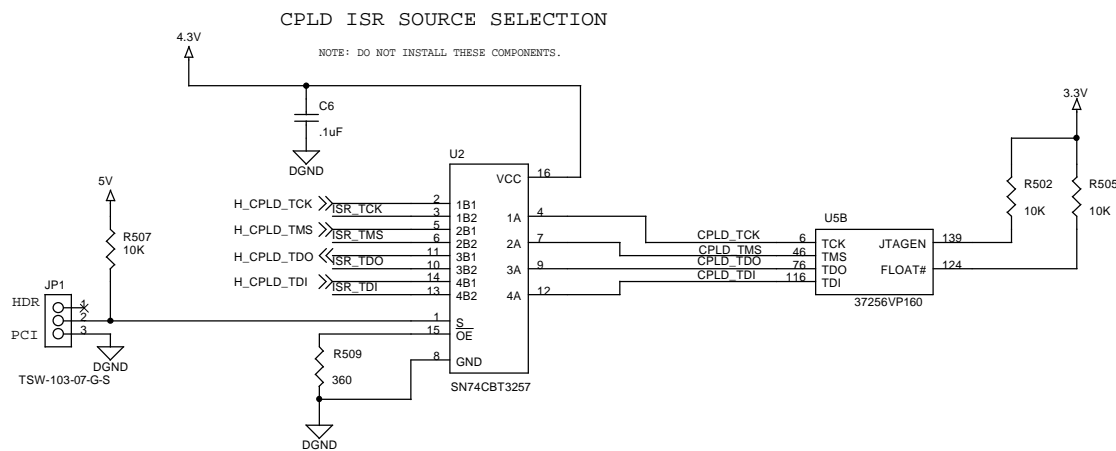


CPLD

TEXAS INSTRUMENTS		
Title TMS320VC5510 Prototype Board - CPLD		
Size B	Document Number D601032-0001	Rev C
Date: Wednesday, June 13, 2001	Sheet 5	of 30

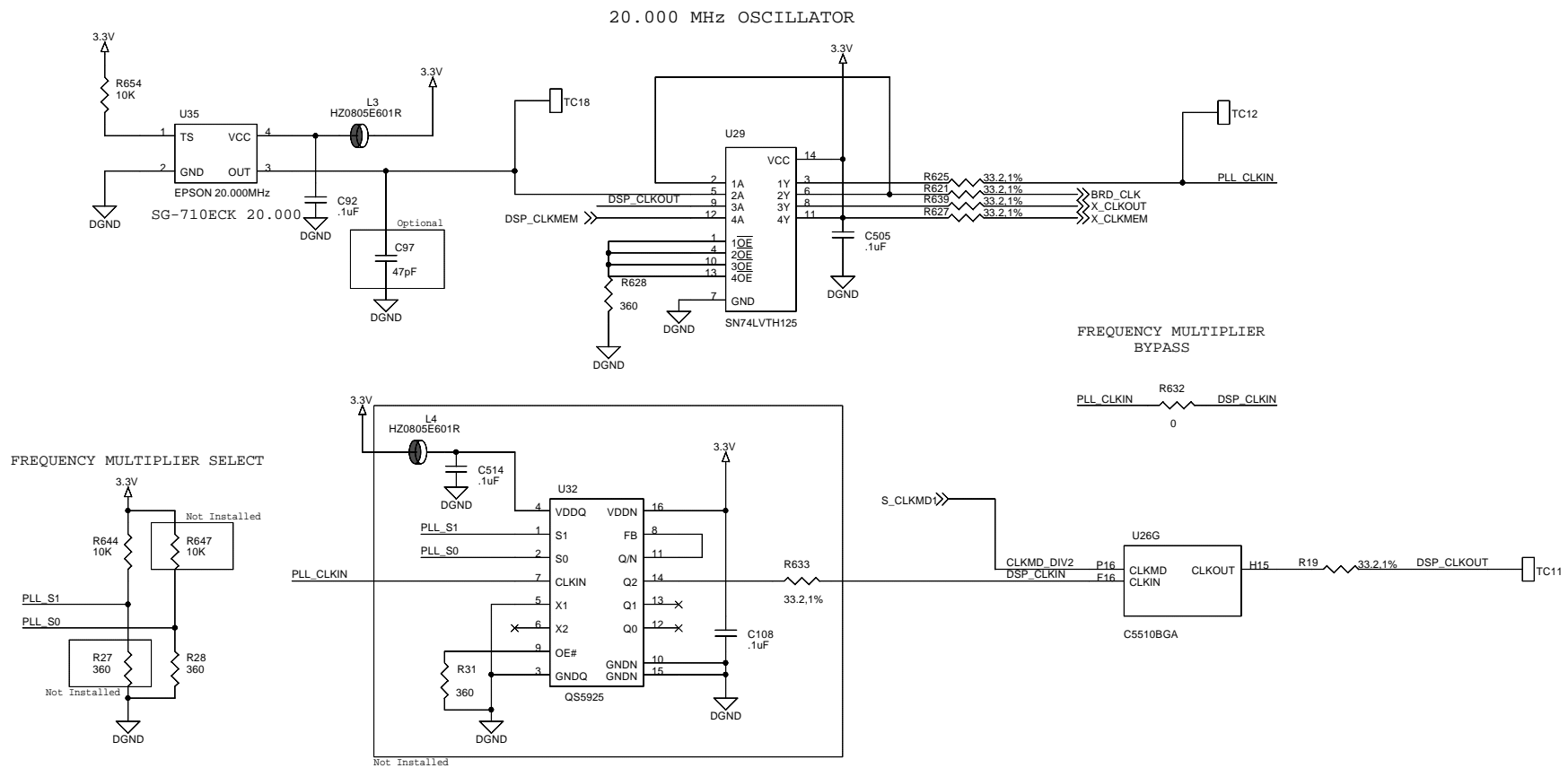


NOTE: Resistors only installed if the CPLD Source mux not installed.

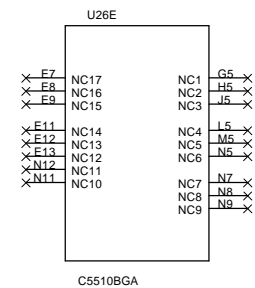


CPLD HEADER

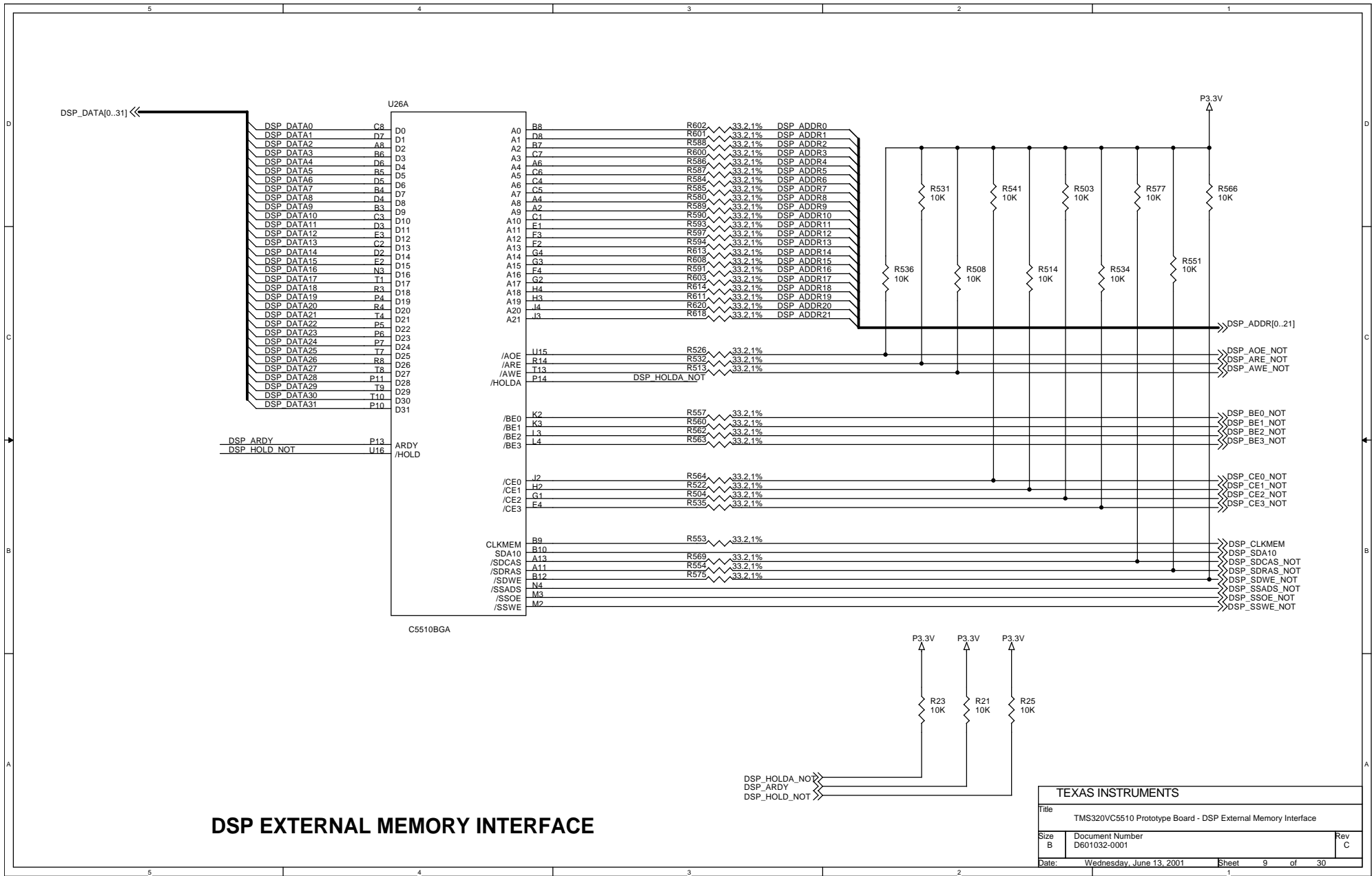
TEXAS INSTRUMENTS		
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Size B	Document Number D601032-0001	Rev C
Date:	Wednesday, June 13, 2001	Sheet 6 of 30



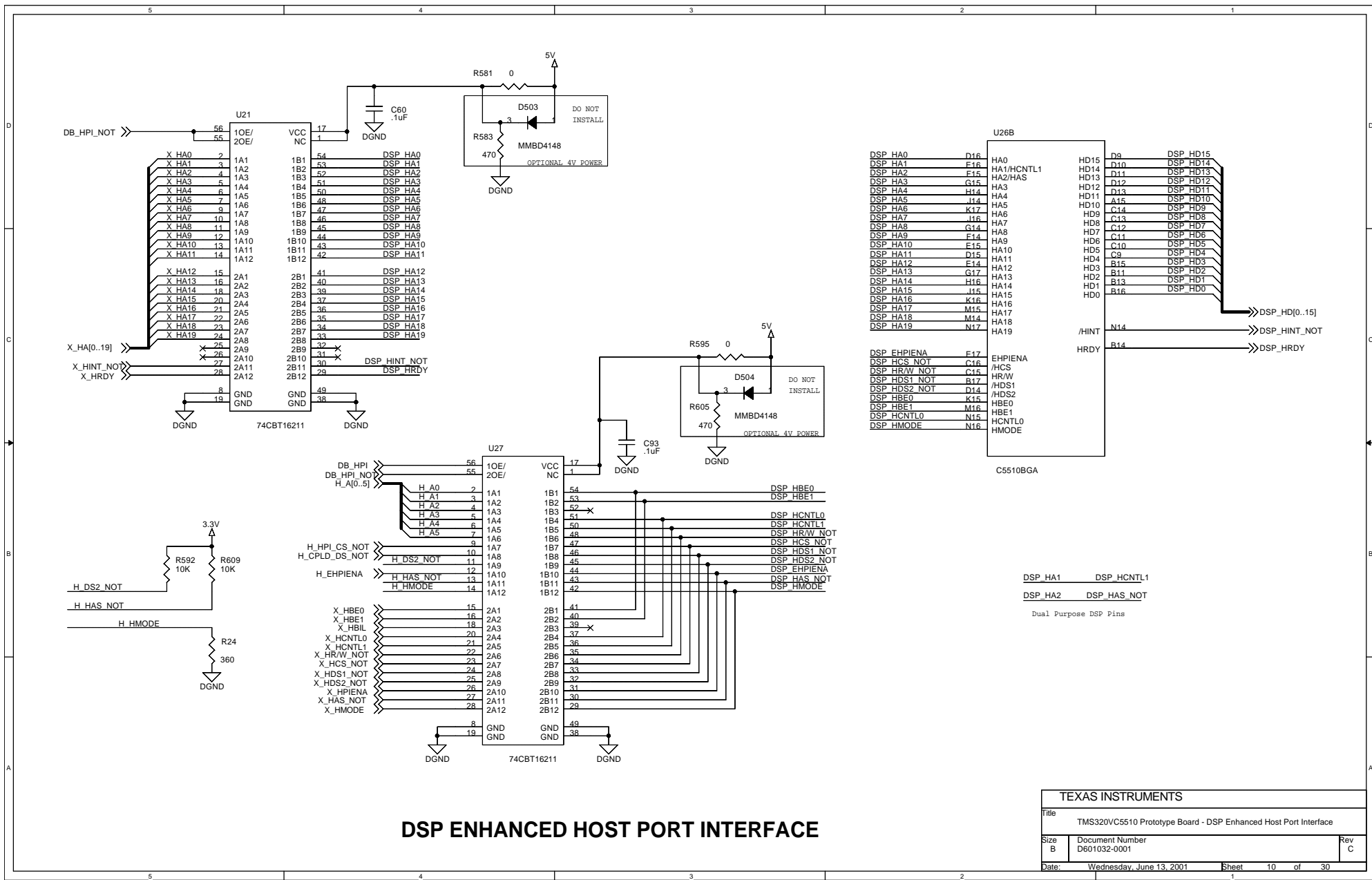
TEXAS INSTRUMENTS			
Title	TMS320VC5510 Prototype Board - Clocks		
Size B	Document Number D601032-0001	Rev C	
Date:	Wednesday, June 13, 2001	Sheet 7	of 30

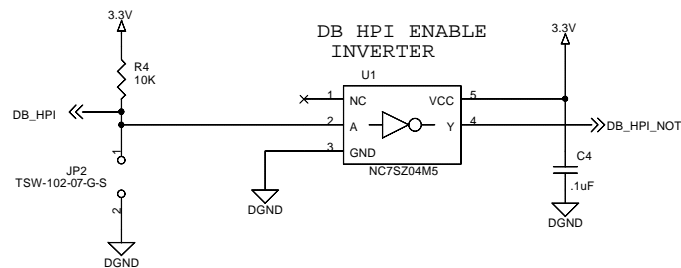
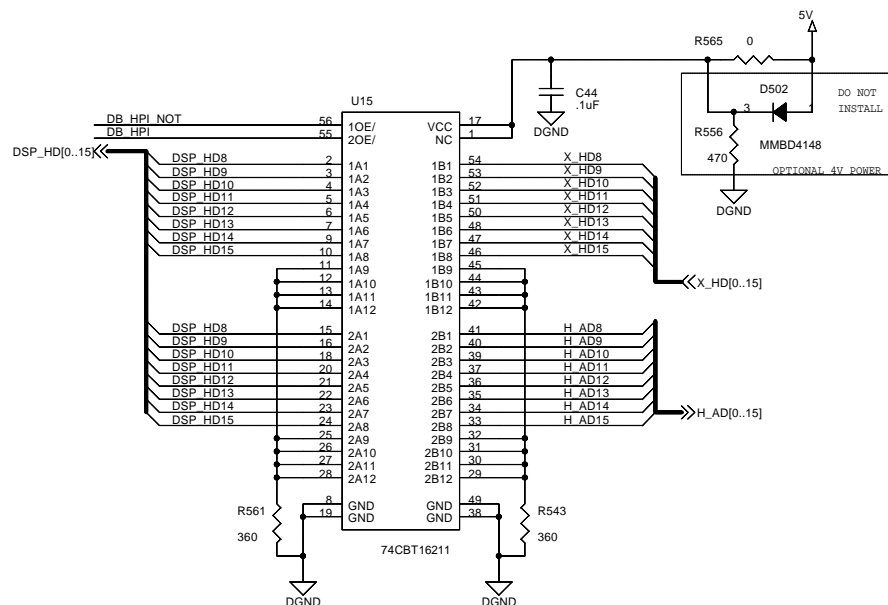
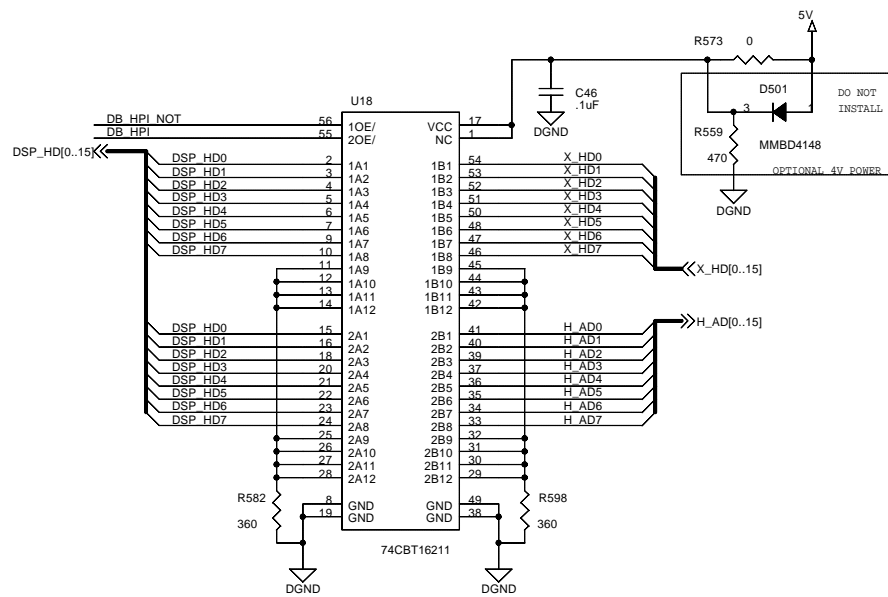


TEXAS INSTRUMENTS			
Title TMS320VC5510 Prototype Board - DSP Power/Ground			
Size B	Document Number D601032-0001		Rev C
Date:	Wednesday, June 13, 2001	Sheet	8 of 30



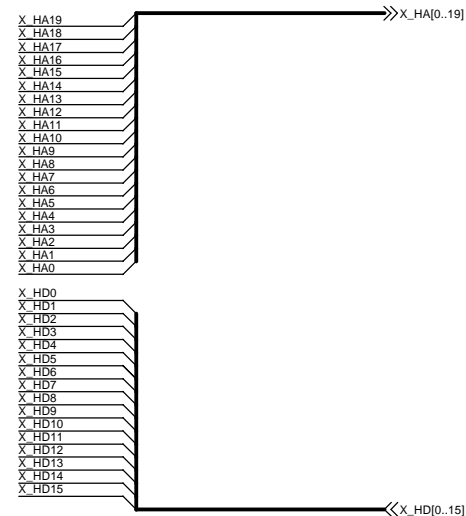
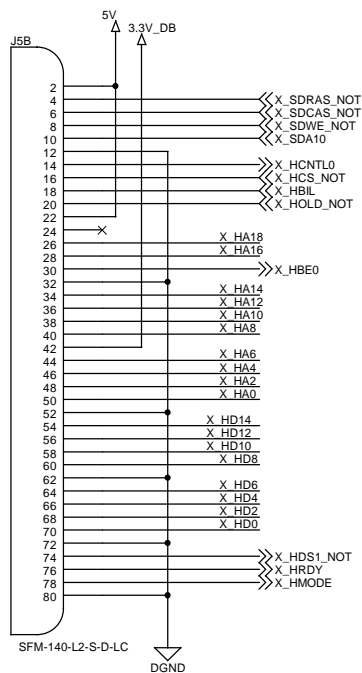
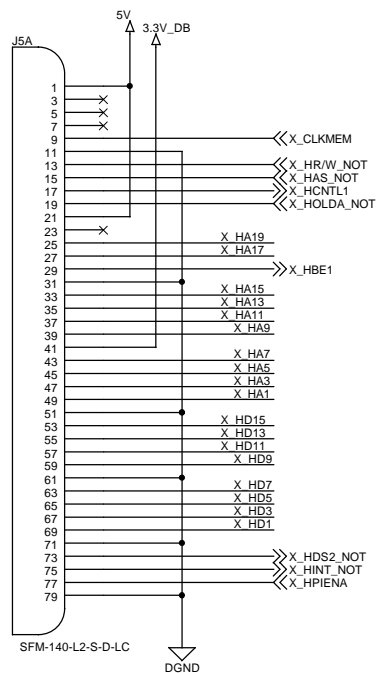
DSP EXTERNAL MEMORY INTERFACE





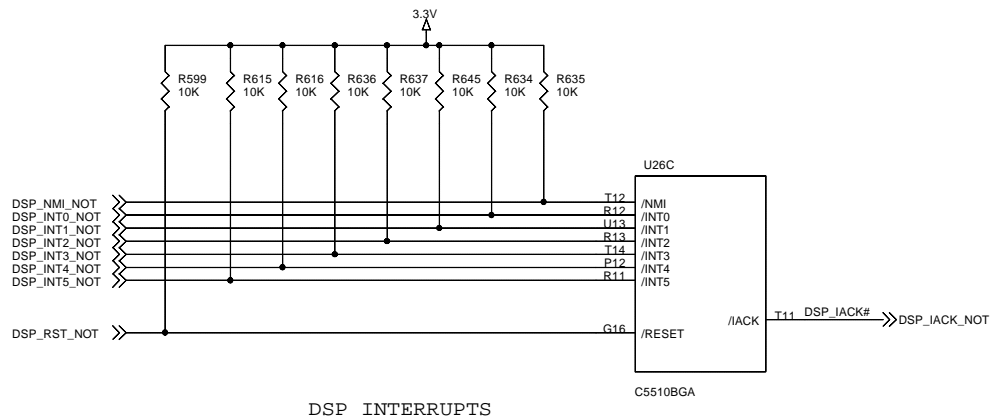
EXT HOST PORT INTERFACE

TEXAS INSTRUMENTS		
Title	TMS320VC5510 Prototype Board - DSP EHPI Data Mux	
Size	Document Number	Rev
B	D601032-0001	C
Date:	Wednesday, June 13, 2001	Sheet 11 of 30

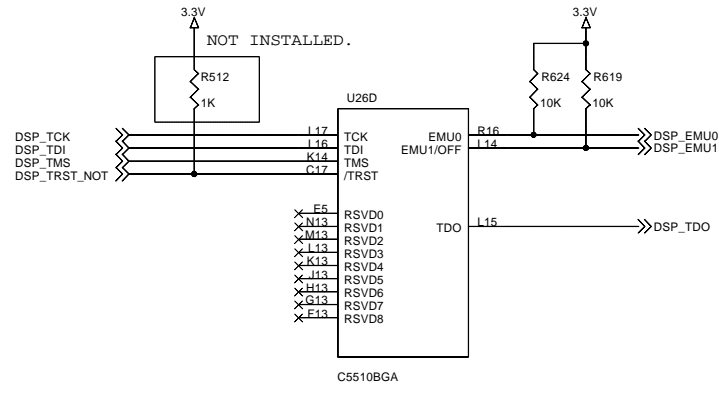


DB HOST PORT CONNECTOR

TEXAS INSTRUMENTS			
Title	TMS320VC5510 Prototype Board - Daughterboard Host Port Connector		
Size B	Document Number D601032-0001	Rev C	
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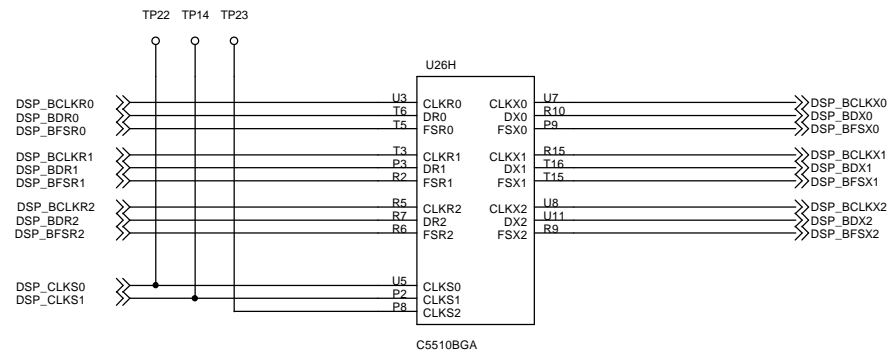
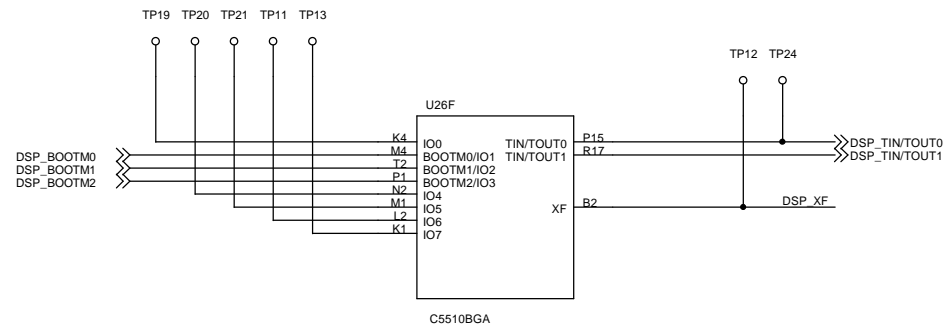
DSP INTERRUPTS



DSP TEST AND EMULATION

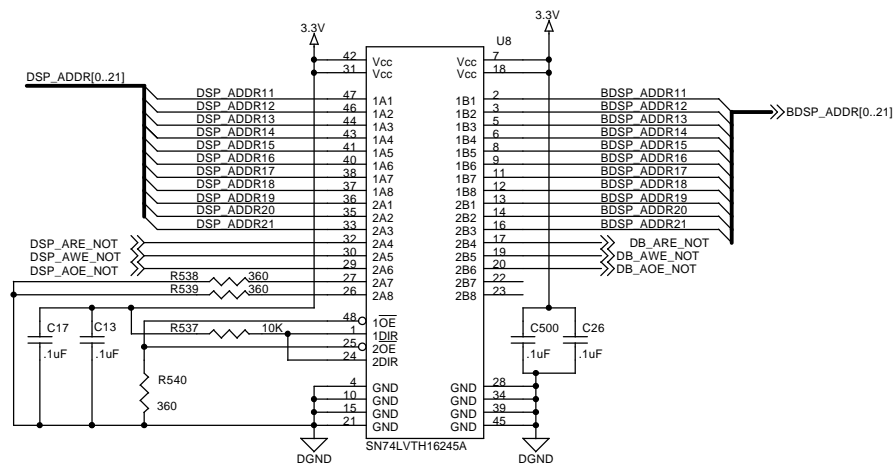
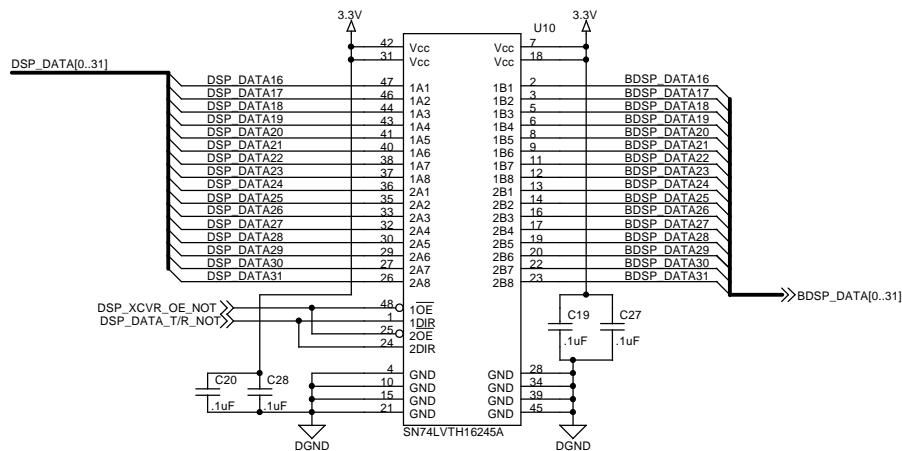
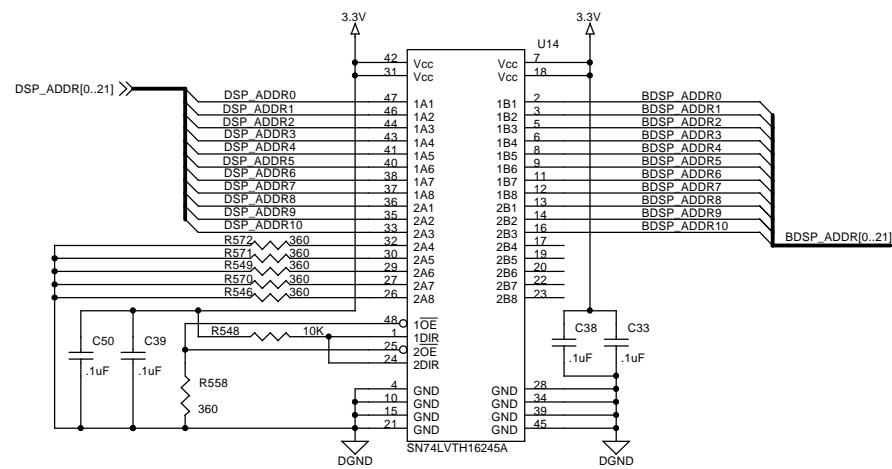
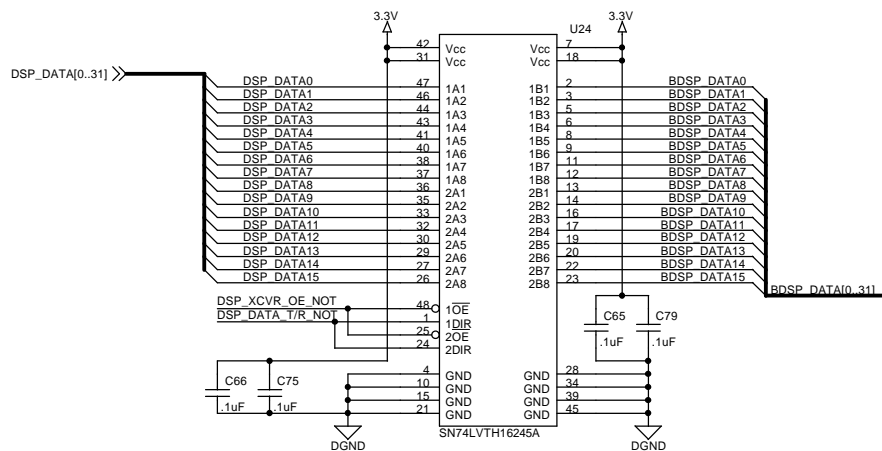
DSP INTERRUPTS, TEST AND EMULATION

TEXAS INSTRUMENTS		
Title	TMS320VC5510 Prototype Board - DSP Interrupts/Emulation	
Size	Document Number	Rev
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Date:	Wednesday, June 13, 2001	Sheet 13 of 30



DSP MCBSP, I/O, AND TIMERS

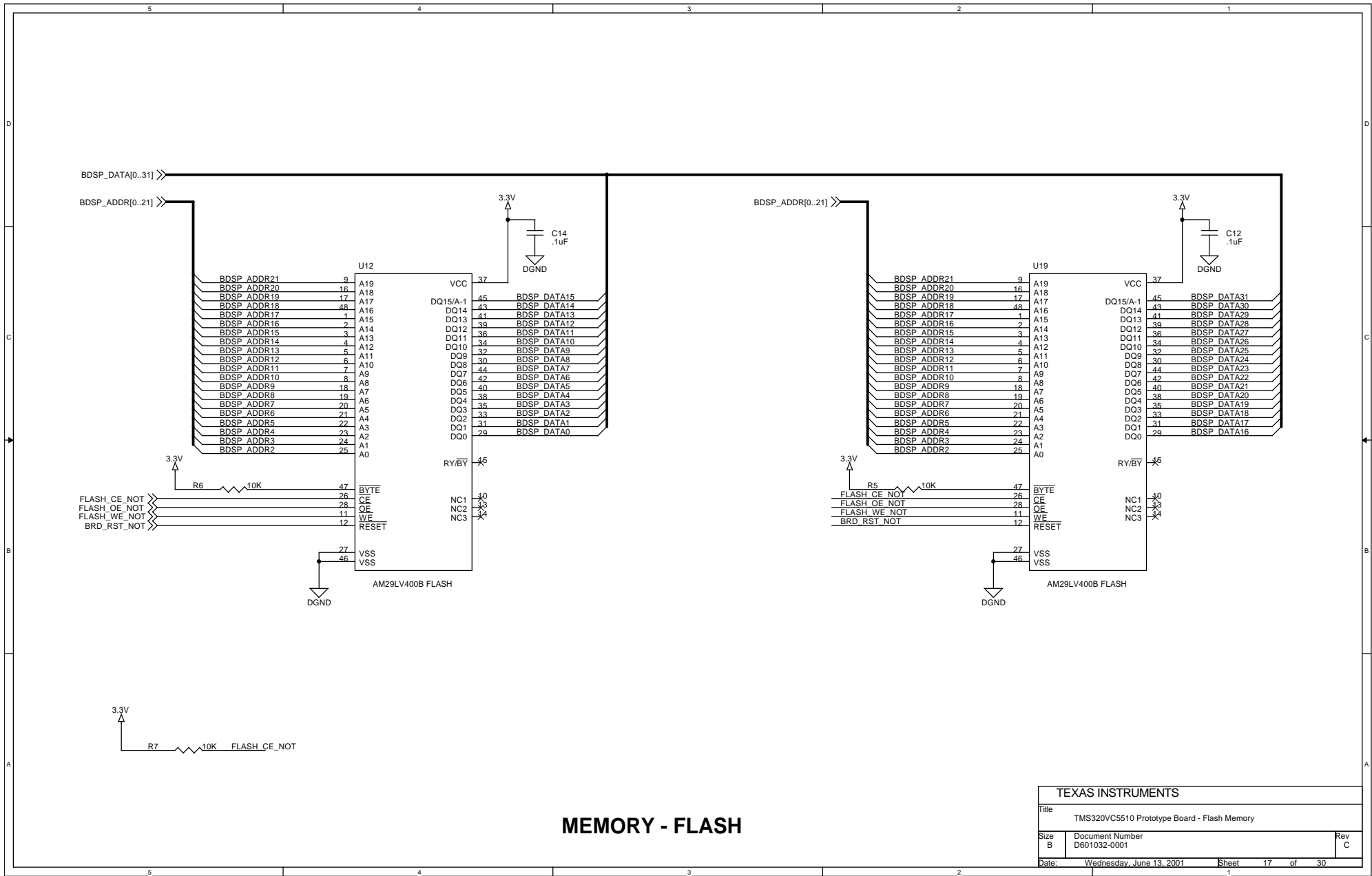
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Title		TMS320VC5510 Prototype Board - DSP Serial Ports/I/O/Timers	
Size	Document Number	Rev	
B	D601032-0001	C	
Date:	Wednesday, June 13, 2001	Sheet	14 of 30



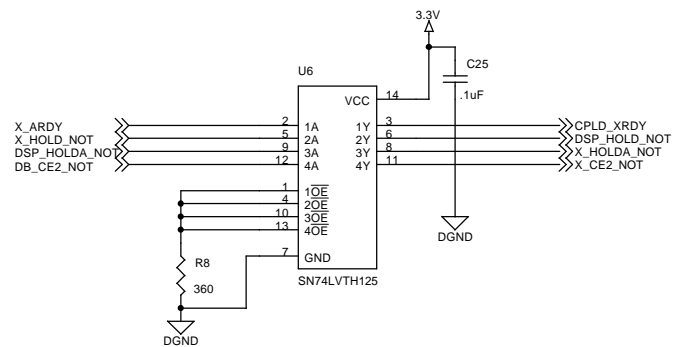
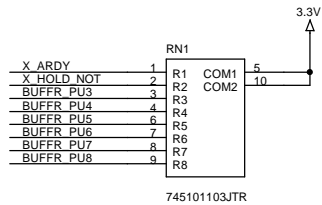
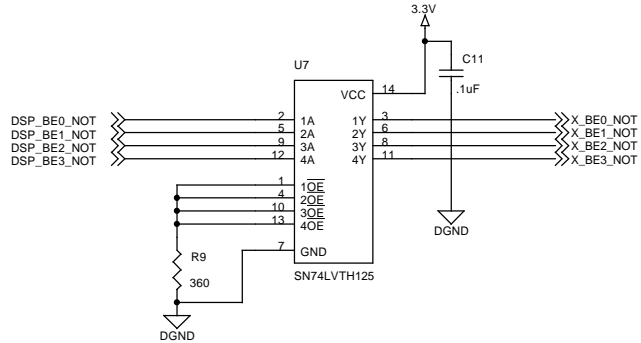
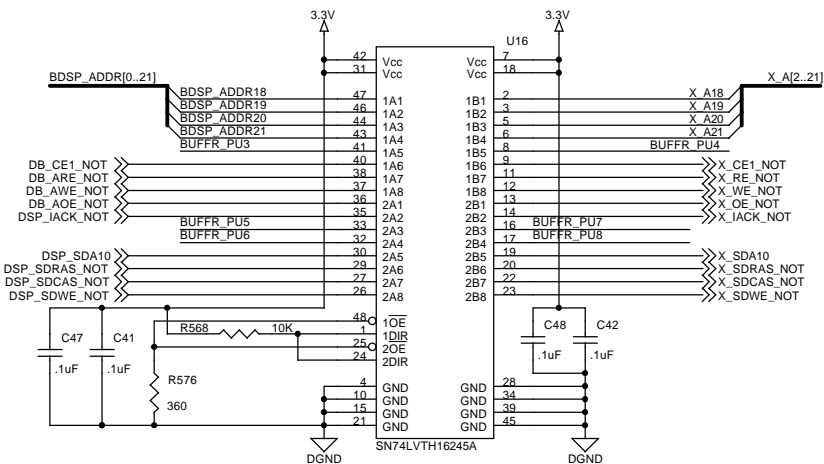
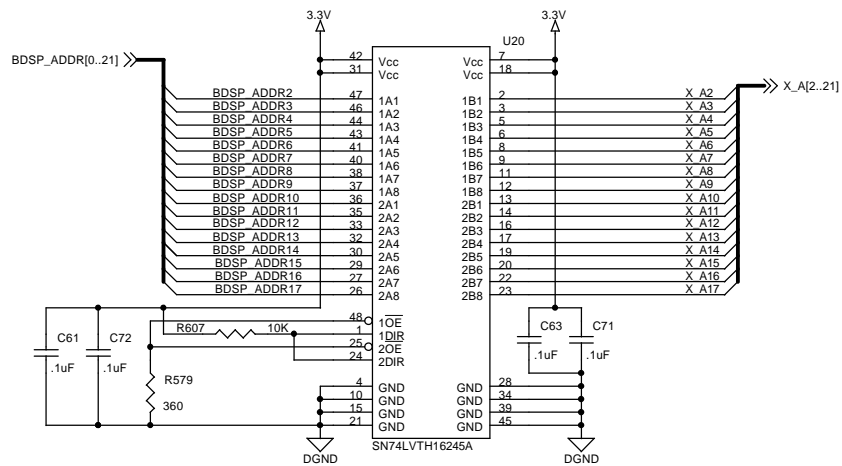
DSP ADDR, DATA BUFFERS

TEXAS INSTRUMENTS

Title		
TMS320VC5510 Prototype Board - DSP Address/Data Buffers		
Size	Document Number	Rev
B	D601032-0001	C
Date:	Wednesday, June 13, 2001	Sheet 15 of 30

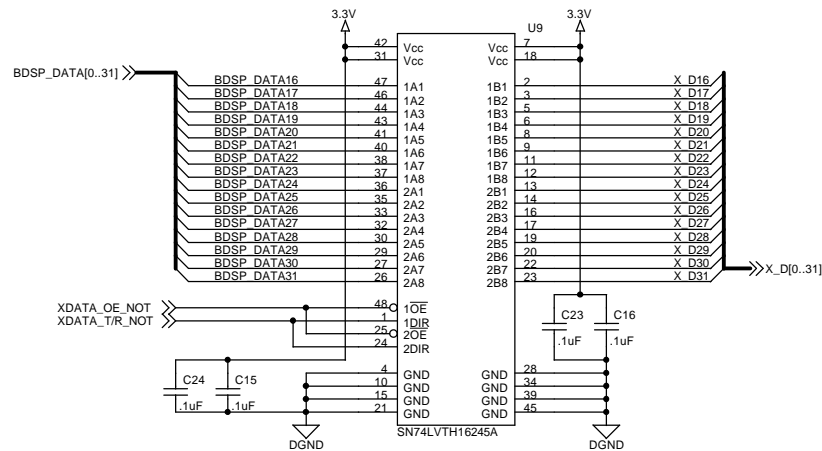
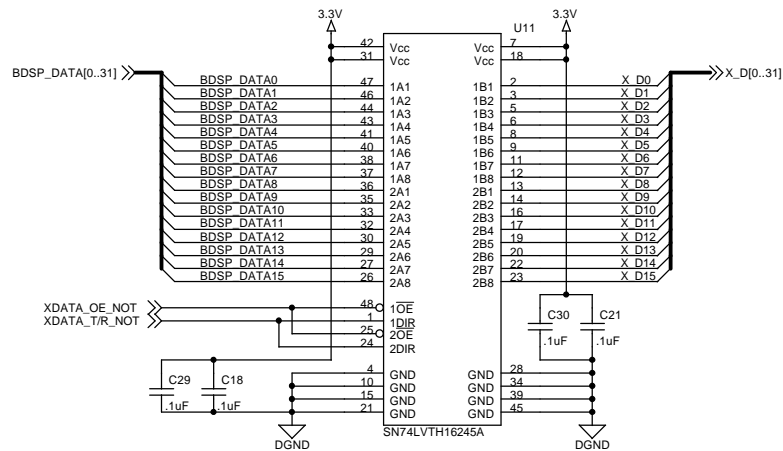


TEXAS INSTRUMENTS			
Title	TMS320VC5510 Prototype Board - Flash Memory		
Size	Document Number	Rev	
B	D601032-0001	C	
Date:	Wednesday, June 13, 2001	Sheet	17 of 30



EXPANSION ADDR, CONTROL BUFFERS

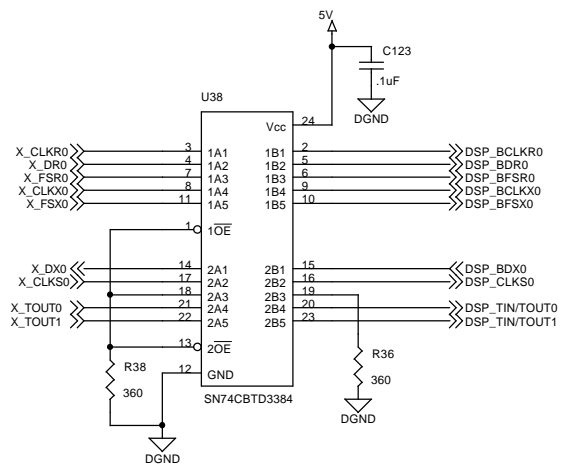
TEXAS INSTRUMENTS			
Title	TMS320VC5510 Prototype Board - Expansion Address/Control Buffers		
Size	Document Number		Rev
B	D601032-0001		C
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EXPANSION DATA BUFFERS

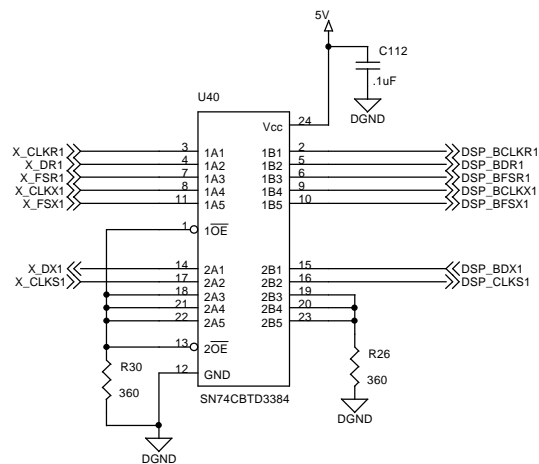
TEXAS INSTRUMENTS			
Title		TMS320VC5510 Prototype Board - Expansion Data Buffers	
Size B	Document Number D601032-0001	Rev C	
Date:	Wednesday, June 13, 2001	Sheet	19 of 30

McBSP0 BUFFER



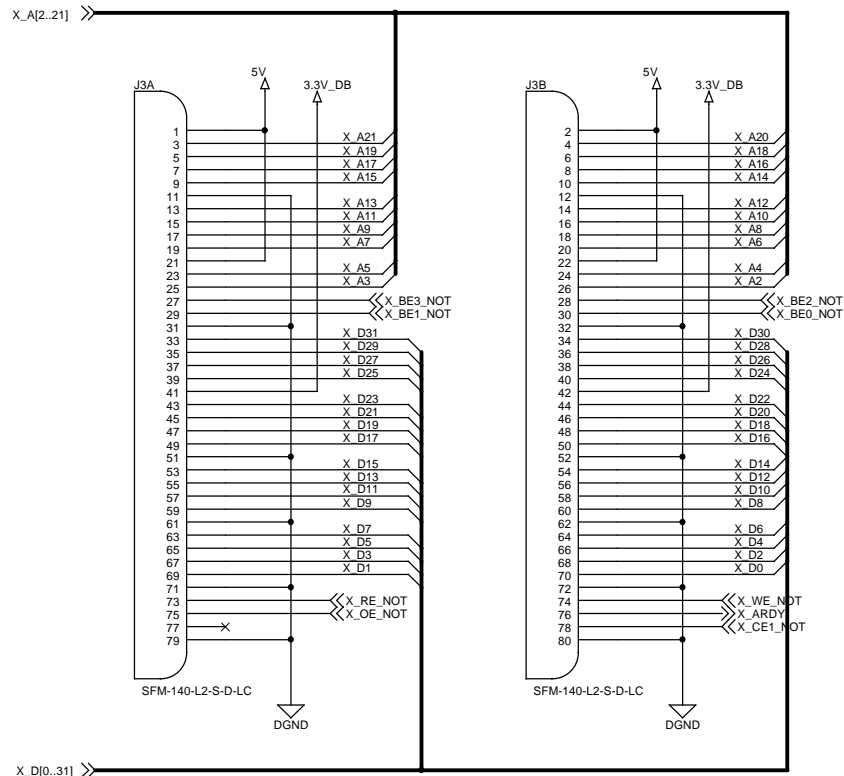
X_TOUT0 >>> X_TIN0
X_TOUT1 >>> X_TIN1

McBSP1 BUFFER

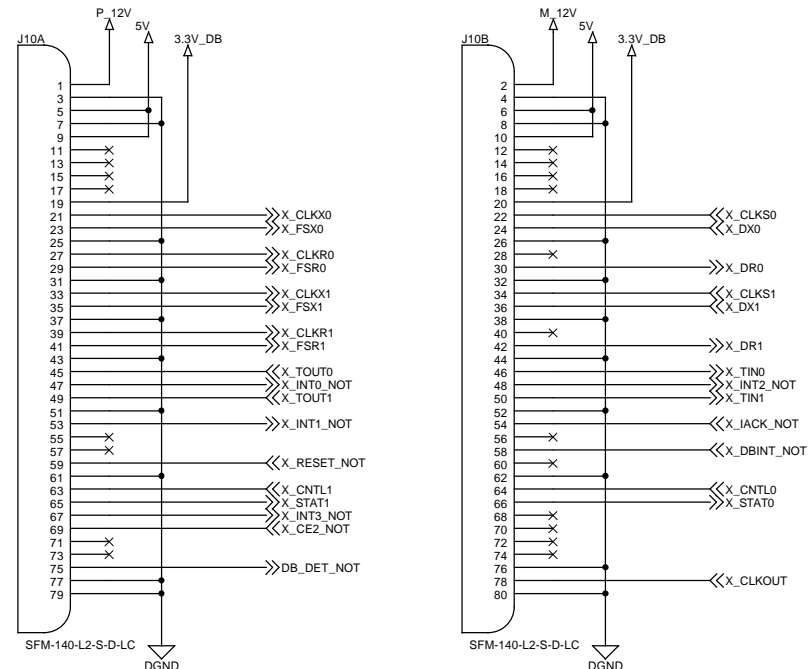


SERIAL PORT BUFFER

TEXAS INSTRUMENTS			
Title		TMS320VC5510 Prototype Board - Serial Port Buffers	
Size	Document Number	Rev	
B	D601032-0001	C	
Date:	Wednesday, June 13, 2001	Sheet	20 of 30



MEMORY INTERFACE

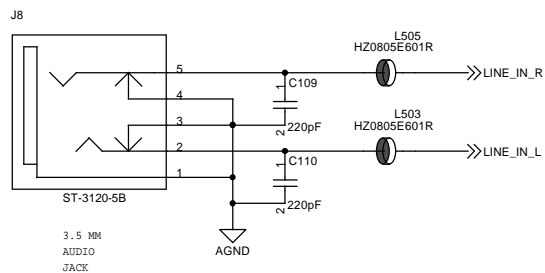


PERIPHERAL INTERFACE

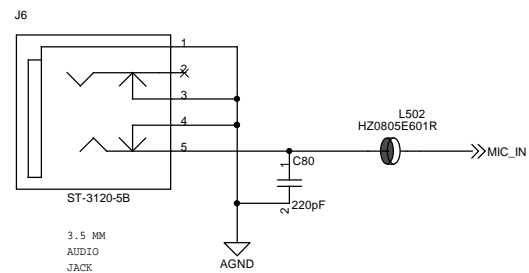
DB MEMORY/PERIPHERAL INTERFACES

TEXAS INSTRUMENTS			
Title		TMS320VC5510 Prototype Board - Daughter Card Memory/Peripheral Connectors	
Size	Document Number	Rev	
B	D601032-0001	C	
Date:	Wednesday, June 13, 2001	Sheet	21 of 30

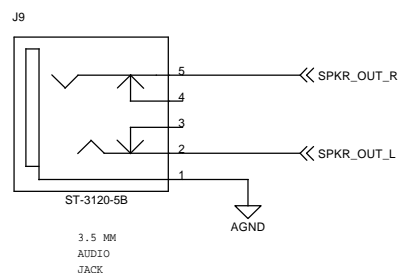
LINE INPUT



MIC INPUT

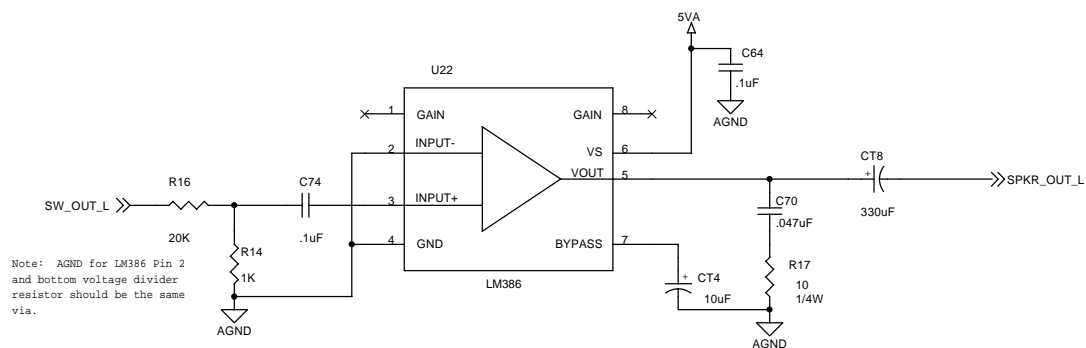
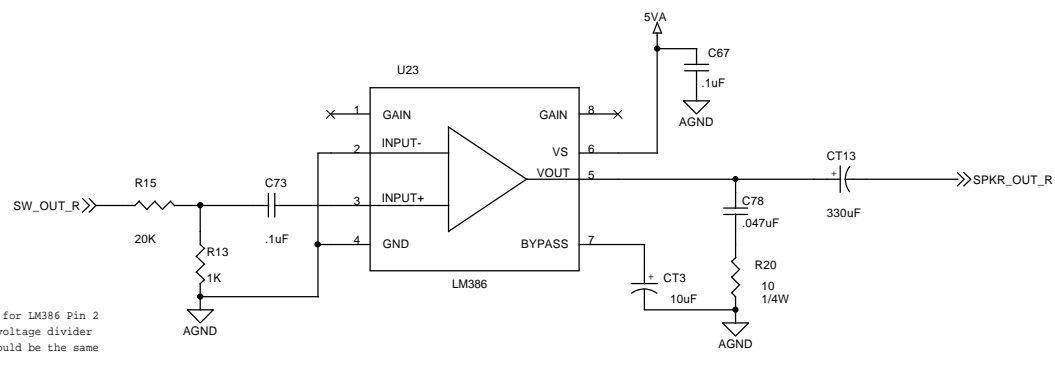


SPEAKER OUTPUT



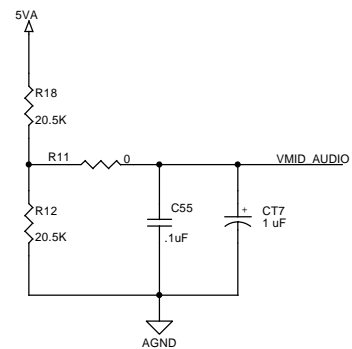
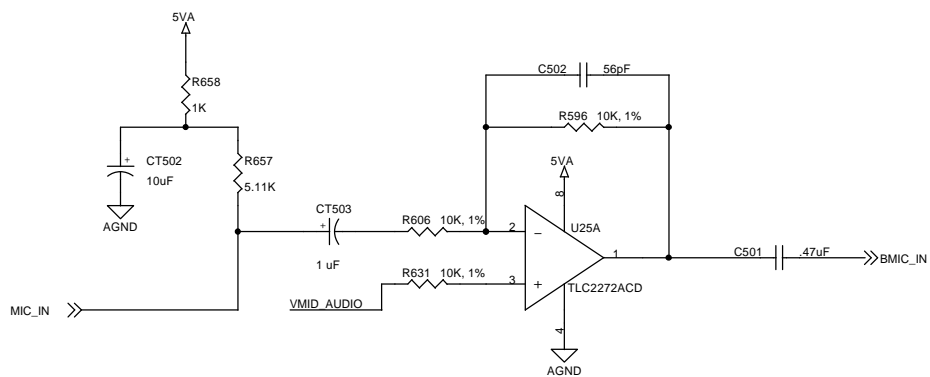
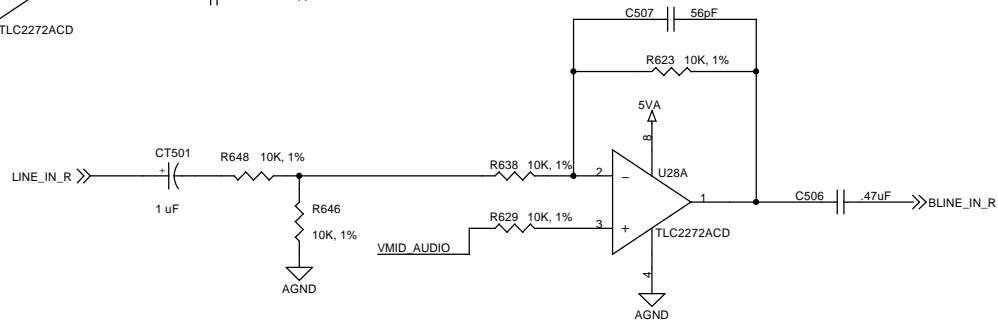
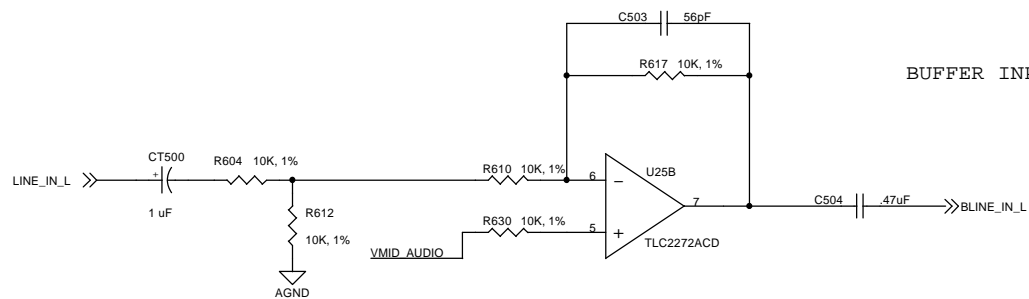
AUDIO CONNECTORS

TEXAS INSTRUMENTS		
Title TMS320VC5510 Prototype Board - Audio Connectors		
Size B	Document Number D601032-0001	Rev C
Date: Wednesday, June 13, 2001	Sheet 22 of 30	1



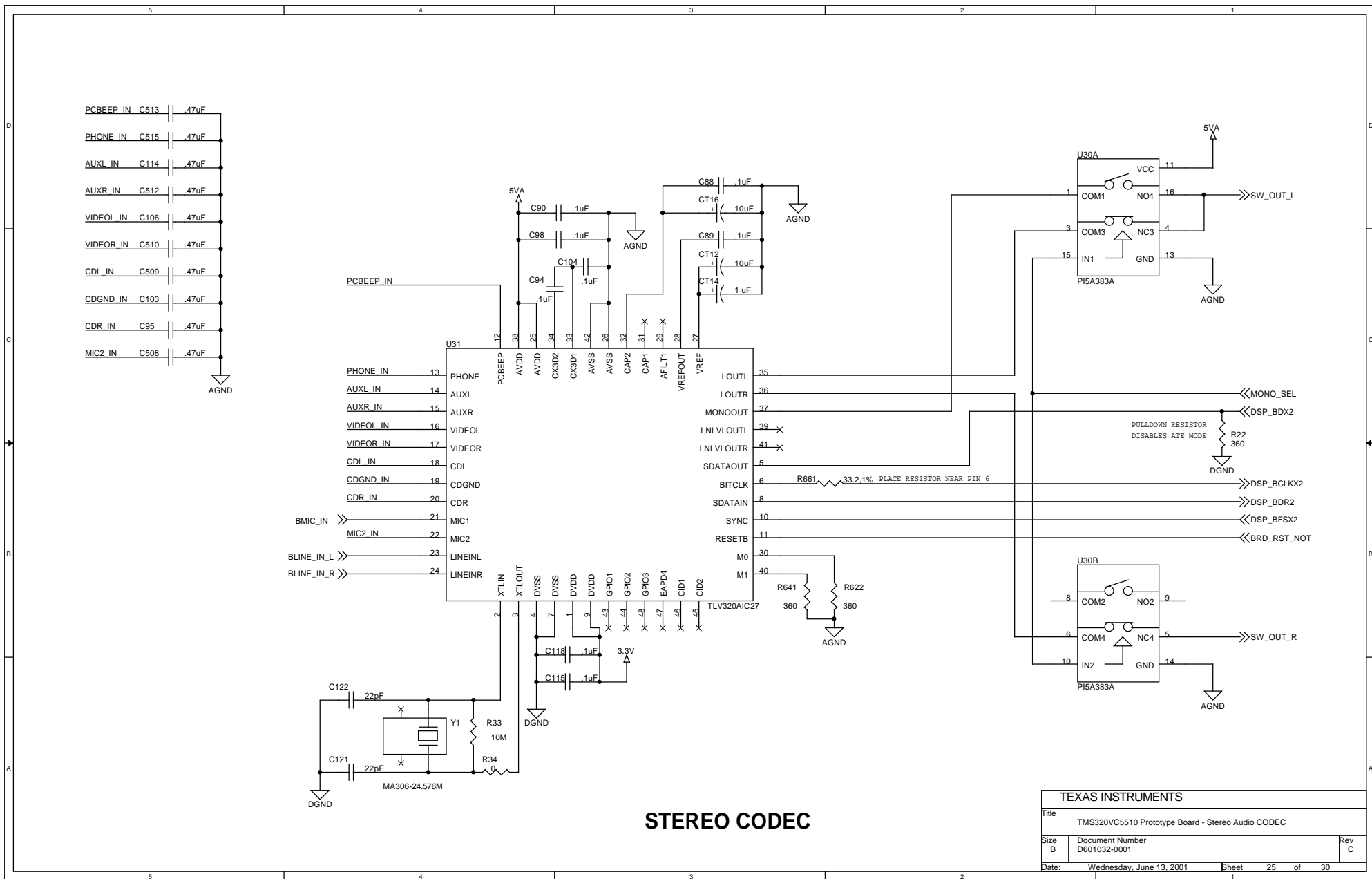
AUDIO AMPLIFIER

TEXAS INSTRUMENTS		
Title	TMS320VC5510 Prototype Board - Audio Output Amplifier	
Size B	Document Number D601032-0001	Rev C
Date:	Wednesday, June 13, 2001	Sheet 23 of 30

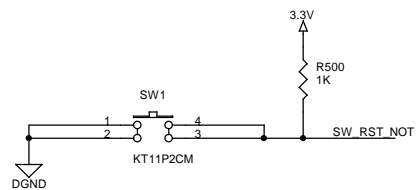


LINE IN/MICROPHONE

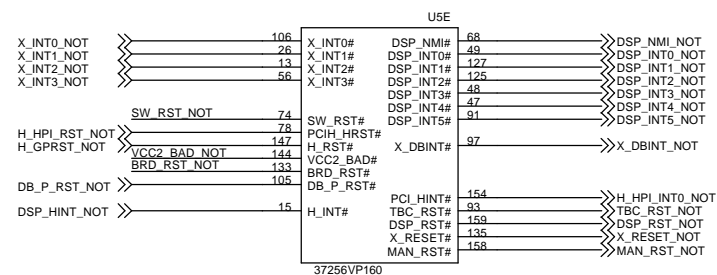
TEXAS INSTRUMENTS		
Title	TMS320VC5510 Prototype Board - Line-In/Microphone Amplifiers	
Size B	Document Number D601032-0001	Rev C
Date:	Wednesday, June 13, 2001	Sheet 24 of 30



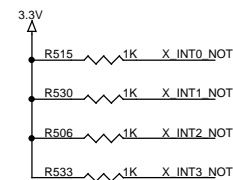
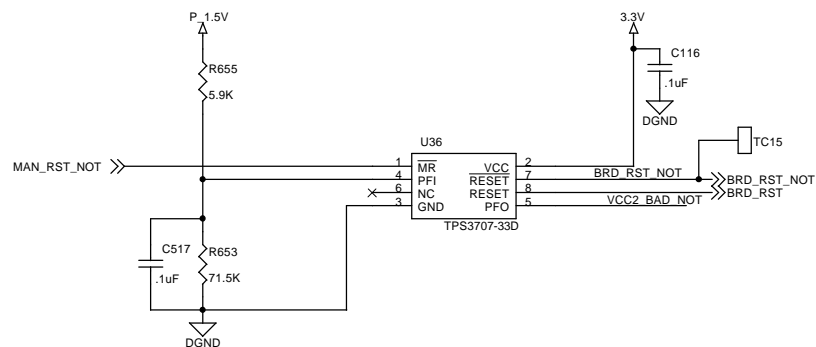
PUSHBUTTON RESET



CPLD RESETS & INTERRUPTS

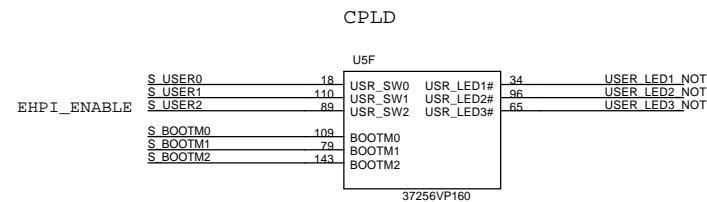
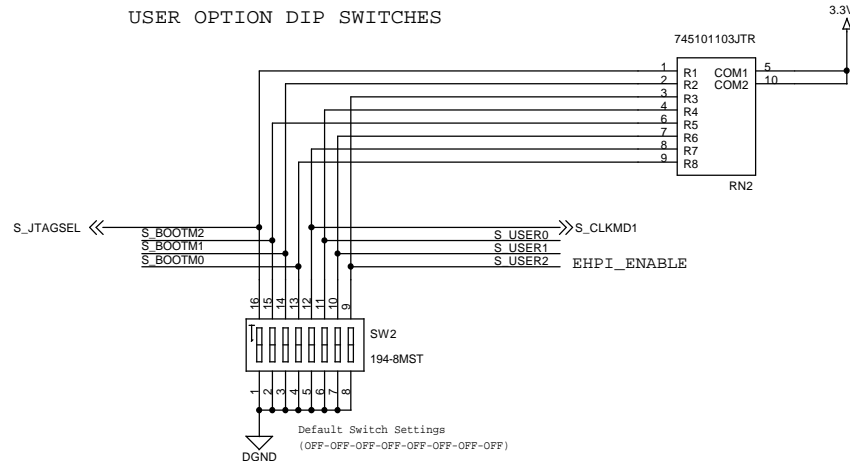
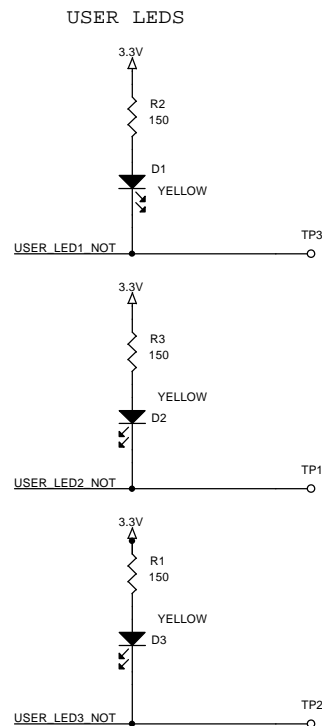


PROCESSOR VOLTAGE SUPERVISOR



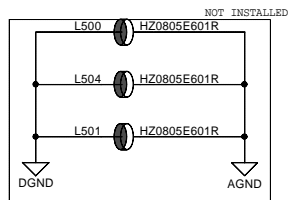
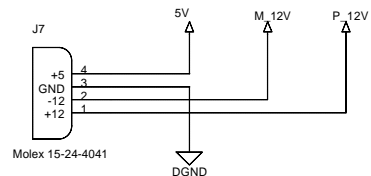
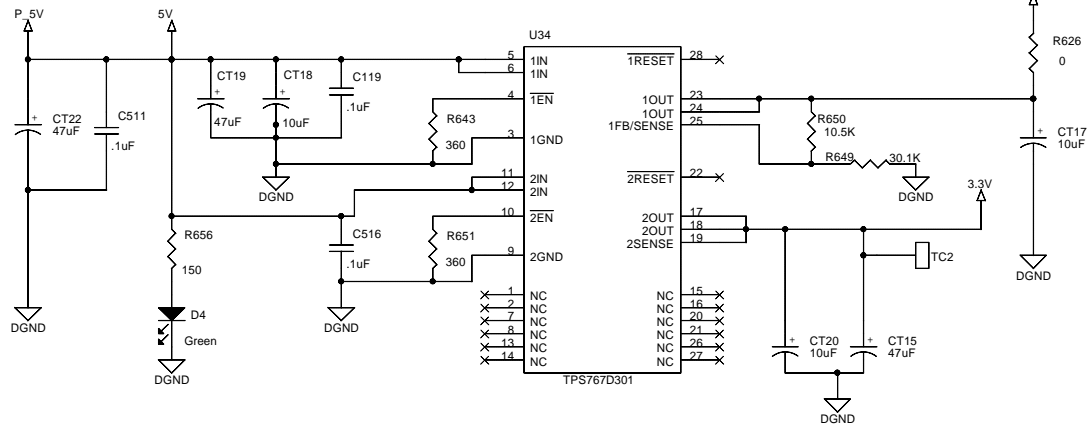
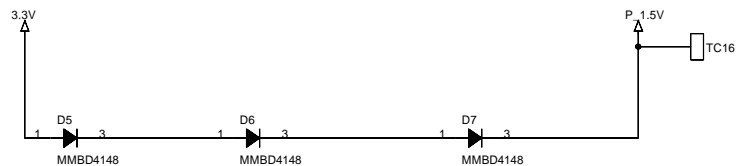
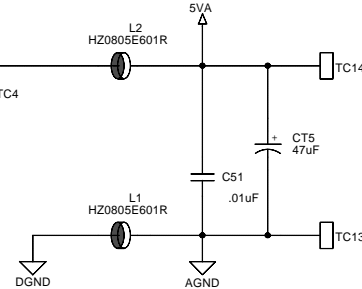
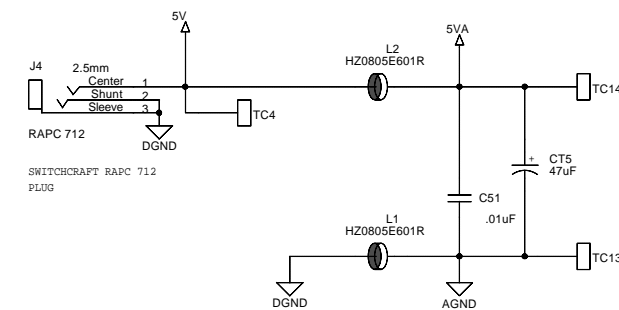
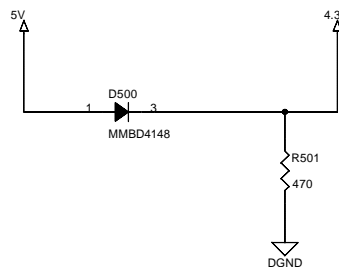
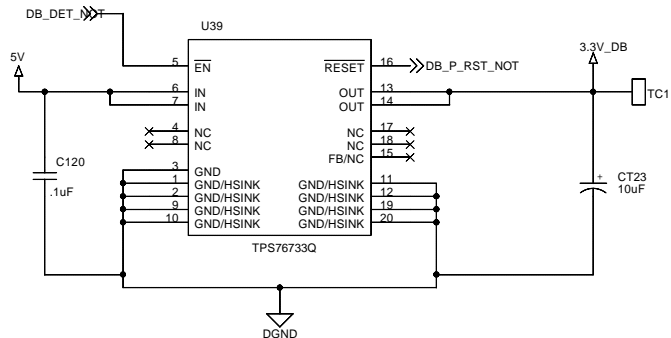
RESET

TEXAS INSTRUMENTS			
Title		TMS320VC5510 Prototype Board - Voltage Supervisor/Reset Circuitry	
Size	Document Number	Rev	
B	D601032-0001	C	
Date:	Wednesday, June 13, 2001	Sheet	26 of 30



LEDS/SWITCHES

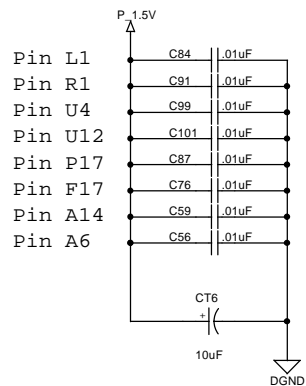
TEXAS INSTRUMENTS			
Title		TMS320VC5510 Prototype Board - LEDs/Switches	
Size B	Document Number D601032-0001	Rev C	
Date:	Wednesday, June 13, 2001	Sheet 27 of 30	1



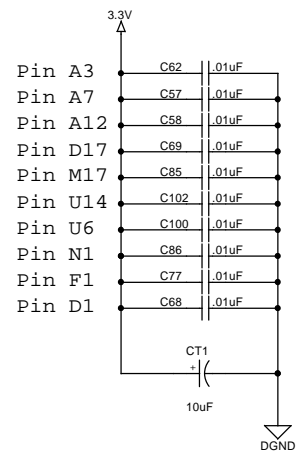
TEXAS INSTRUMENTS			
Title TMS320VC5510 Prototype Board - Input Power			
Size B	Document Number D601032-0001		Rev C
Date:	Wednesday, June 13, 2001	Sheet	28 of 30

DSP DECOUPLING CAPS

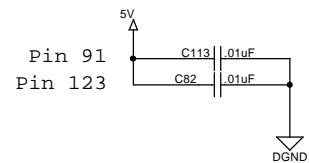
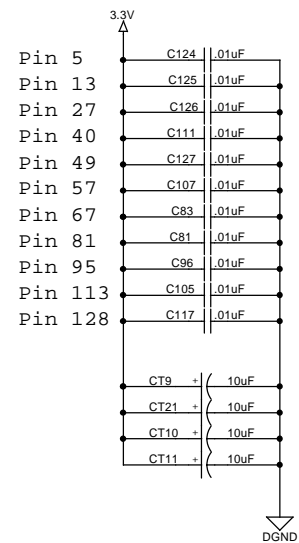
For CVDD



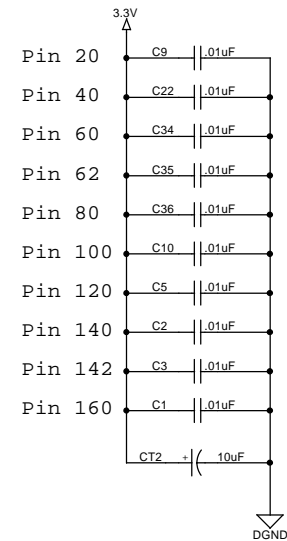
For DVDD



PCI2040 DECOUPLING CAPS



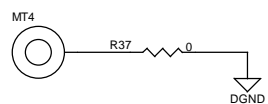
CPLD DECOUPLING CAPS



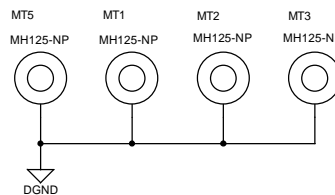
DECOUPLING CAPS

TEXAS INSTRUMENTS		
Title TMS320VC5510 Prototype Board - Decoupling CAPs		
Size B	Document Number D601032-0001	Rev C
Date: Wednesday, June 13, 2001	Sheet 29 of 30	

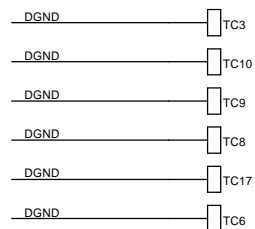
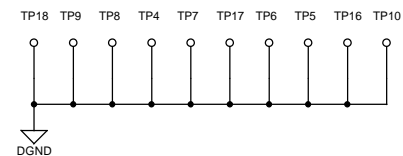
CHASSIS GROUND



DAUGHTERBOARD STANDOFF GROUNDING



GROUND TEST POINTS



GROUND & STANDOFFS

TEXAS INSTRUMENTS		
Title		
TMS320VC5510 Prototype Board - Ground and Standoffs		
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