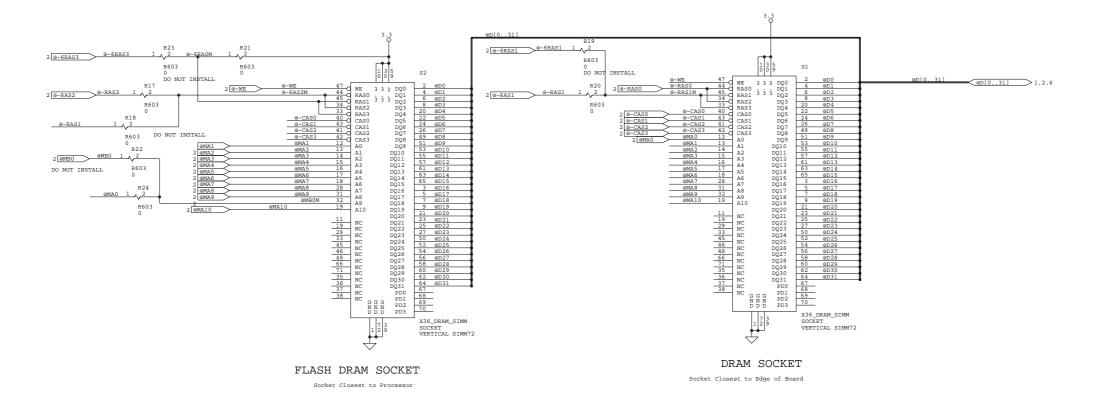


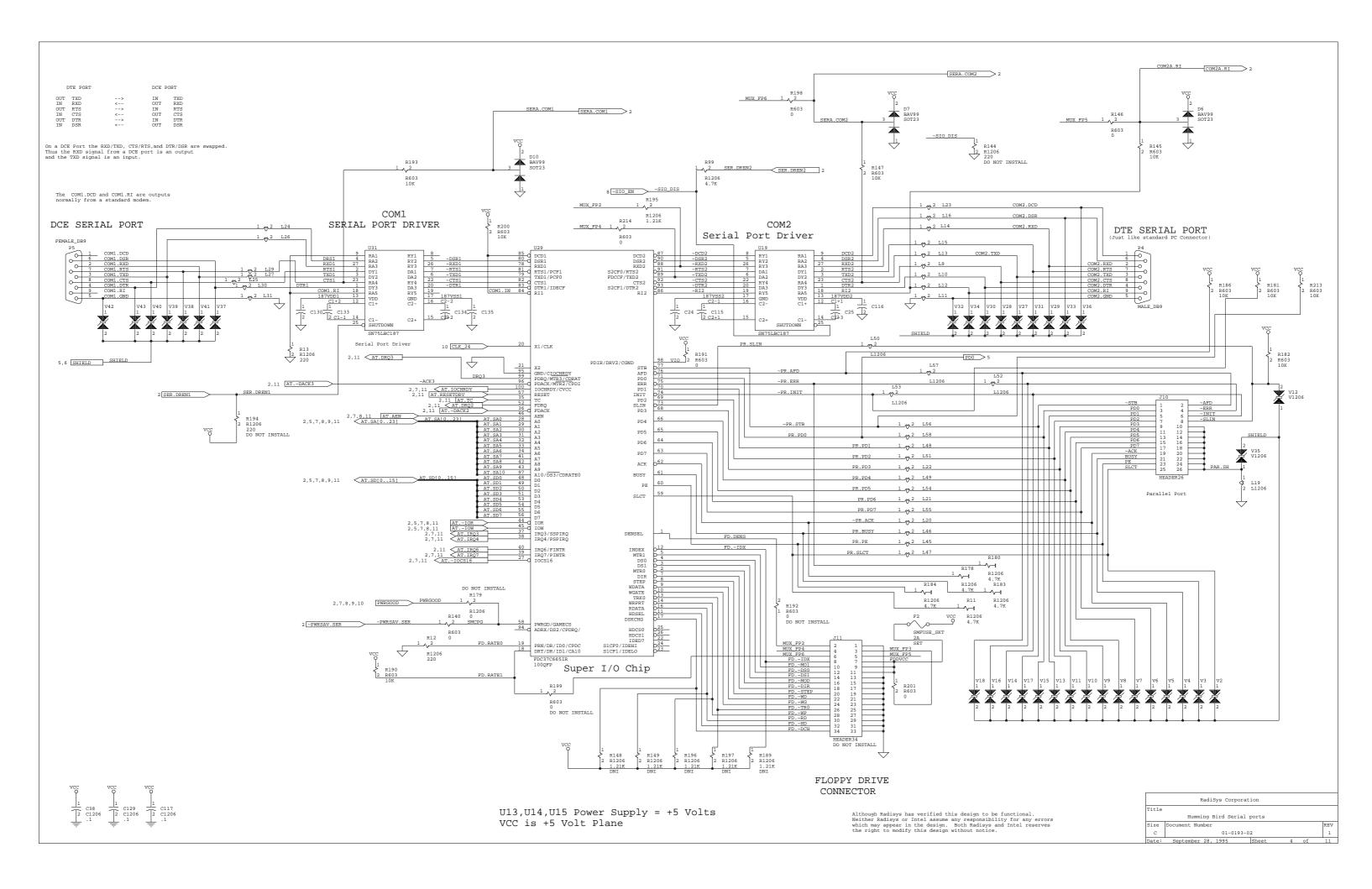
Programming of MAO-MAI1 lines
At Rising edge of PWRGOOD
@MAAOA LOW implies 160 Pin Pkg
@MA1 High implies 386, low implies 486
@MA4 High implies Intel Processor with L1 WB
@MA4 Low implies other CPUs
@MA11 Low implies internal RTC, High implies External U4, U5, U7, U12 Power Supply is both +3.3 and +5V U6, U8, U9, U10, U11, U16 Power Supply is +5 Volts VCC Plane is + 5 Volts REDWOOD CHIP SET DRAM CONTROLLER BAT.OSC 1 1 2 R171 AT.OSC 3.3 O— 10 RTCVCC RTCVCC O— REDWOOD CHIPSET R603 33 @~RAS2 AT BUS CONTROLLER 1,6 < @A[2..31] V N DRAMME
D C RASO
FASS
RASI/FAS2
FASI/FAS2
FASI/FAS2
FASI/FAS4
FASI/FAS1
F \leftarrow 7,10 CLK_14 WB/~WT not used by Processon AT.~IOCS16 4,7,11 PCMCIAI 7 AT.~OWS 7,11 SYSCLK AT.AEN 4,7,8,11 R603 AT.TC 4,11 AT.~REFRESH 8,11 @~BRDY @~RDY 1 @~KEN R1206 1.21K SERA.COM1 R121 R603 10K 1@~SMIACT 1,6 <@~RDY R1206 1.21K 1 @INTR >9 ~IRQ8 1 AT.IRQ14 ~AT.RES.EN 4,7,8,9,10 PWRGOOD PWRGOOD AT.~MASTER 10 CLK_IN CLK_IN 8CLK_RW2 1 2 6 @~LDEV 1,6 @CLK_CPU @CLK_FS1X 1 @~BADS 1 ~SPKR_EN AT.IRQ14 @~BDEV 1 5V_SIDE 3.3V SIDE U6 PT86C768A2 VQFP176 SEQUOIA-1 IDE HDD TRANSCEIVERS SPDT_SLIM AUGAT TPB11FGVRA HDD CONNECTOR Resume/Suspend SW RSIPRW7 19 G DIR RSIPRW1 2,4,5,7,8,9,11 <AT.SD[0..15] A-side of 74FCT164245TPA is 3.3V B-side of 74FCT164245TPA is 5V Although Radisys has verified this design to be functional. Neither Radisys or Intel assume any responsibility for any errors which may appear in the design. Both Radisys and Intel reserves the right to modify this design without notice. Humming Bird Redwood Chip Se AT BUS BUFFERS/TRANSLATORS

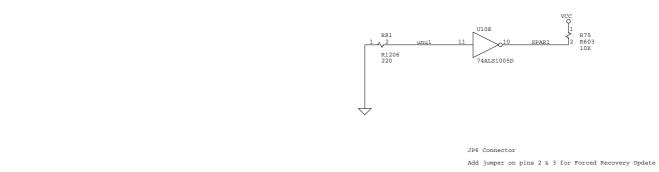


Power Supply for SIMM Sockets is +3.3 Volts

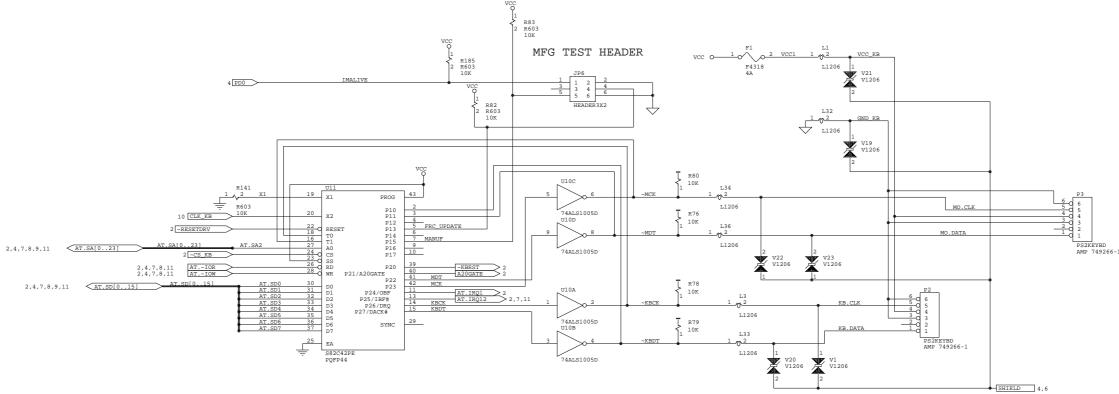


	RadiSys Corp.	
Title		
	HUMBIRD DRAM	
		$\overline{}$
Size	Document Number	REV
Size C	Document Number 01-0193-02	REV 1



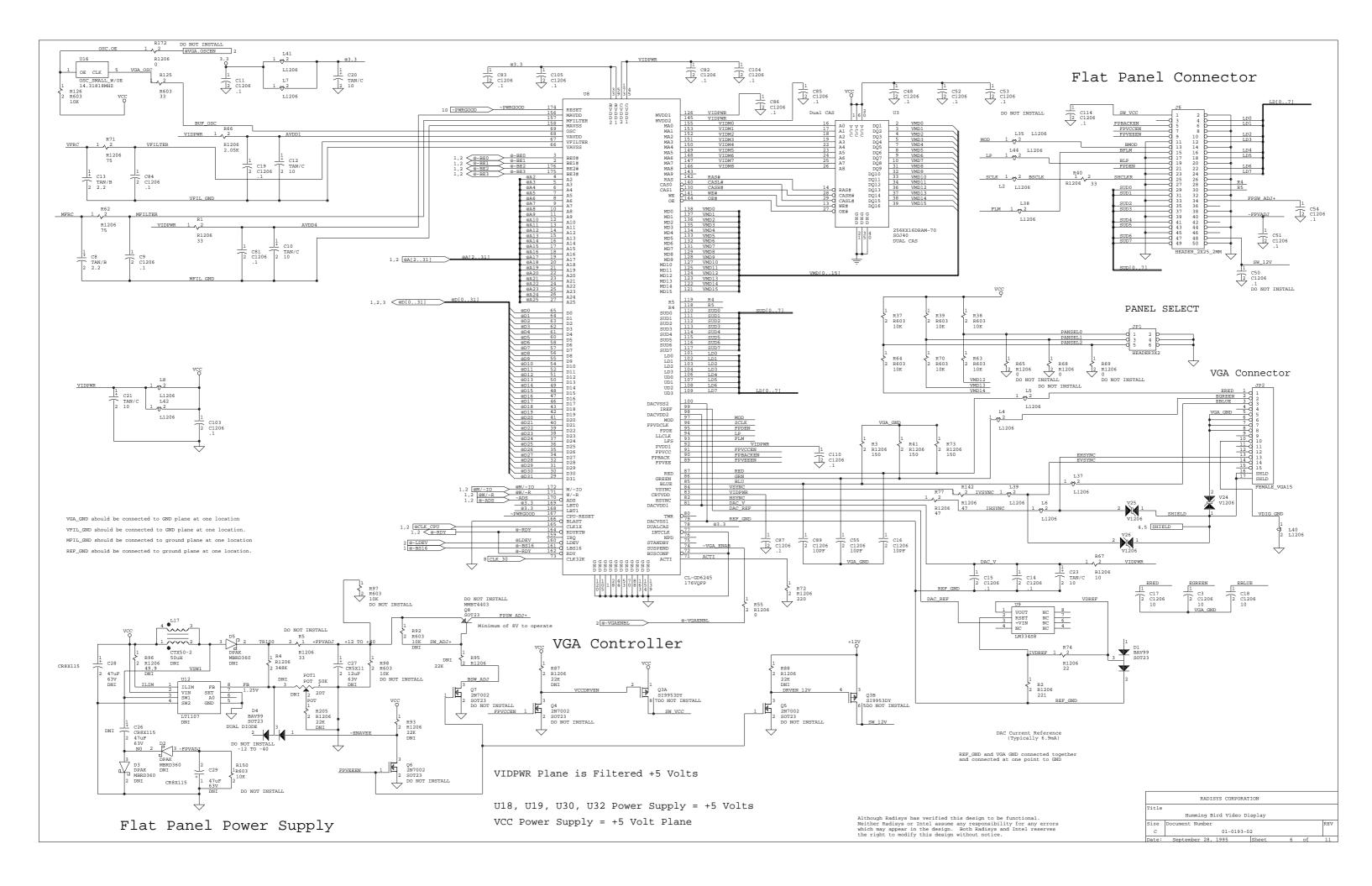


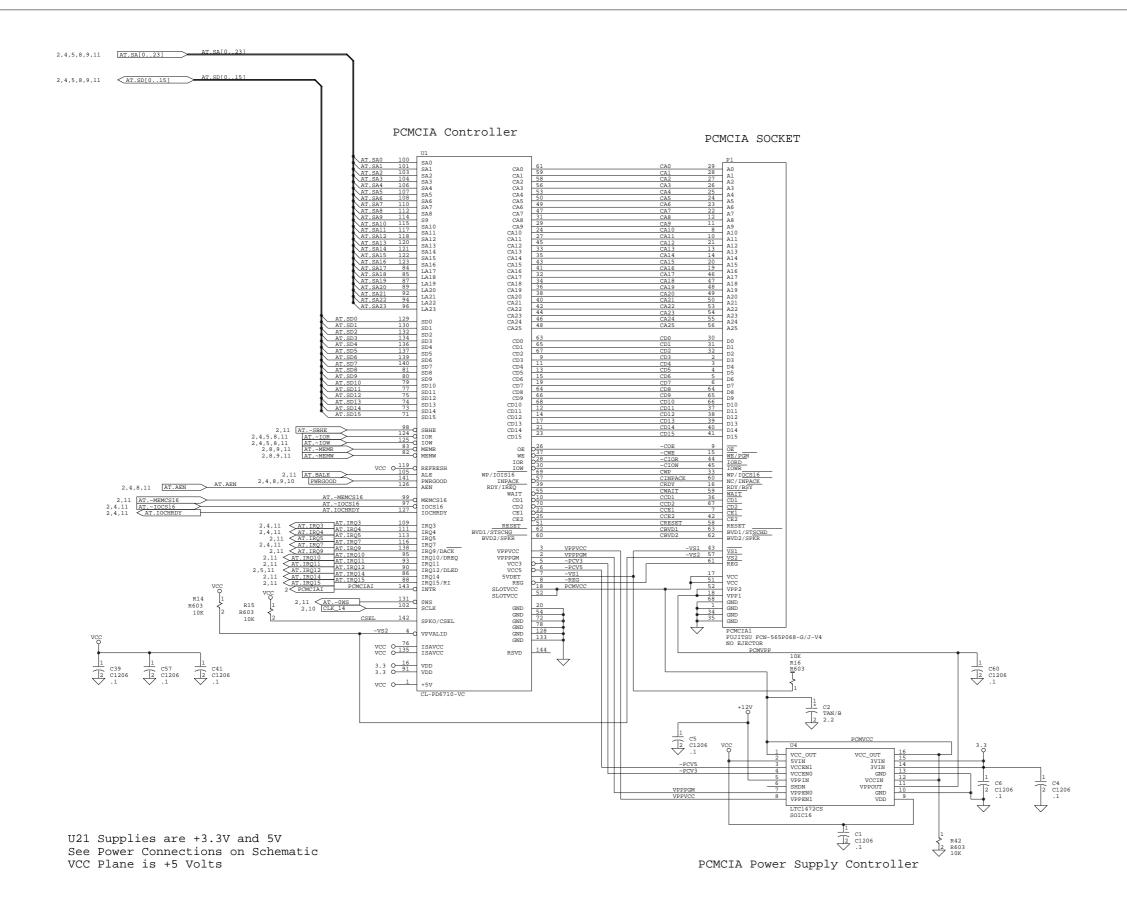
Add jumper on pins 5 & 6 for Manufacturing Test



U16 Power Supply = +5 Volts U17 Power Supply = +5 Volts VCC Plane is + 5 Volts

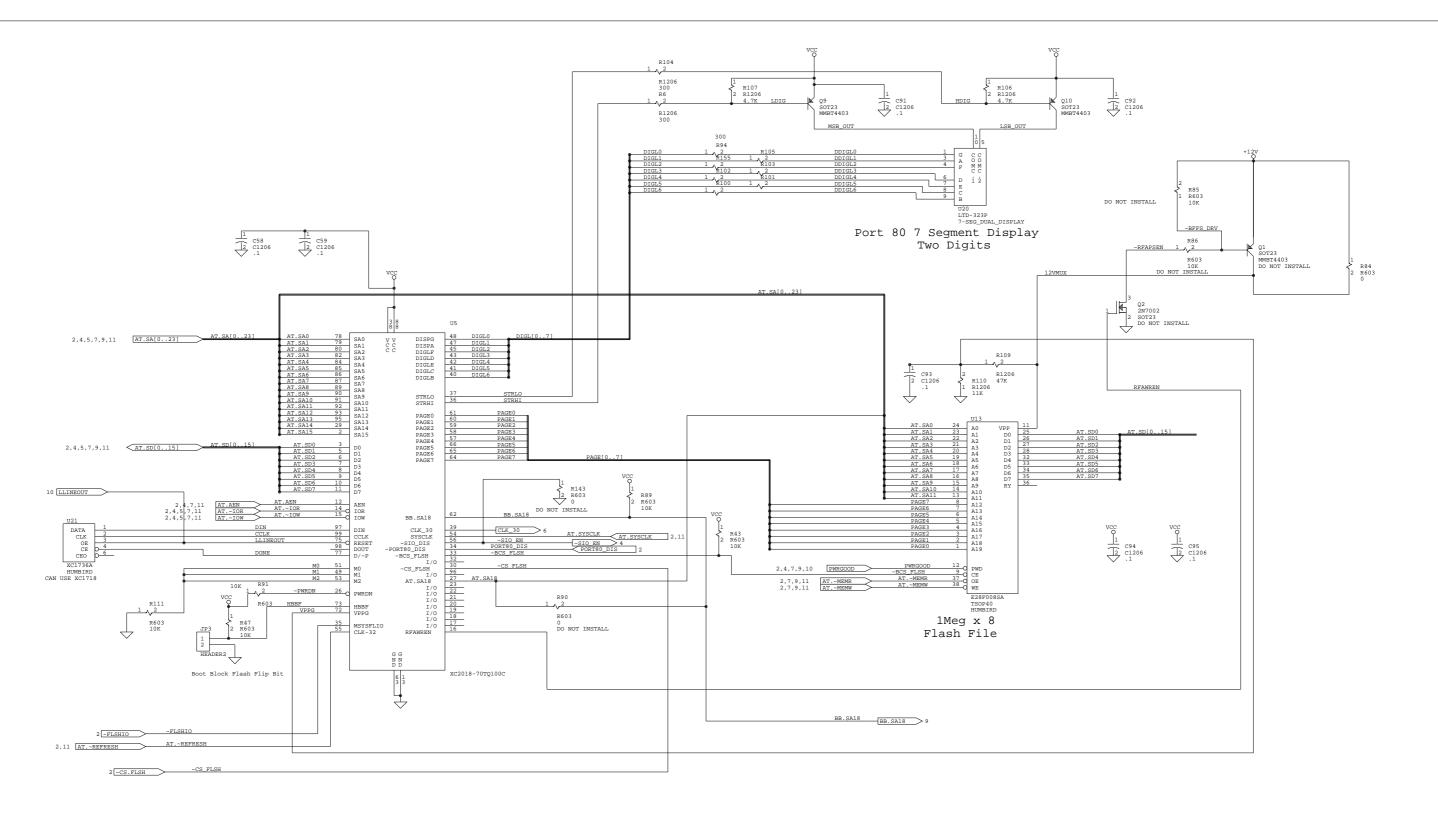
		3	RadiSys (lorp.				
Title								
	Hummin	g Bi	rd Keybo	ard/Mous	e			
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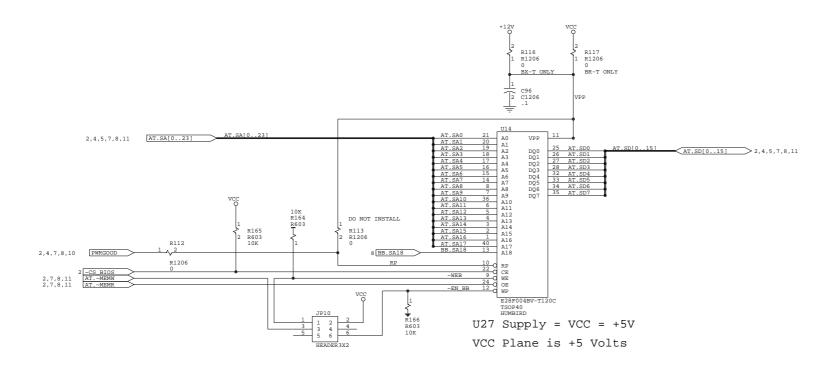
	RadiSys Corpo	ration			
Title					
	Humming Bird PCMC	CIA CKTS			
Size	Document Number				REV
С	01-019	3-02			
Date:	September 28, 1995	Sheet	7	of	11



U23,U25,U31 Power Supply = +5 Volts VCC Plane is +5 Volts

VCC 1 1 C7 C1206

	R	adis	sys Co	rporat	ion			
Title								
	Humming	Bir	d HEB	, Flash	n File			
Size	Document Num	ber						REV
С			01-	0193-0	2			
Date:	September	28	1995		Sheet	8	of	11



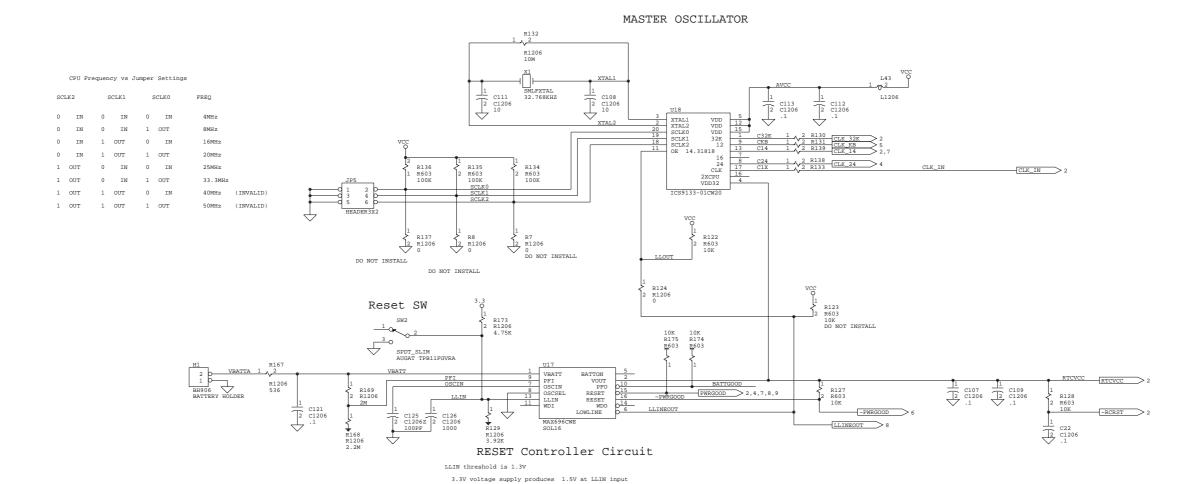
Jumpers Comment

1-3 Write to Flash except Boot Block

1-3 & 2-6 Write to Flash and Boot Block



Although Radisys has verified this design to be functional. Neither Radisys or Intel assume any responsibility for any errors which may appear in the design. Both Radisys and Intel reserves the right to modify this design without notice.	RadiSys Corp.	RadiSys Corp.						
	Title HEB DRAM and BOOT BLOCK FLASH							
	Size Document Number	REV						
	C 01-0193-02	1						
	Date: September 28, 1995 Sheet 9 of	11						



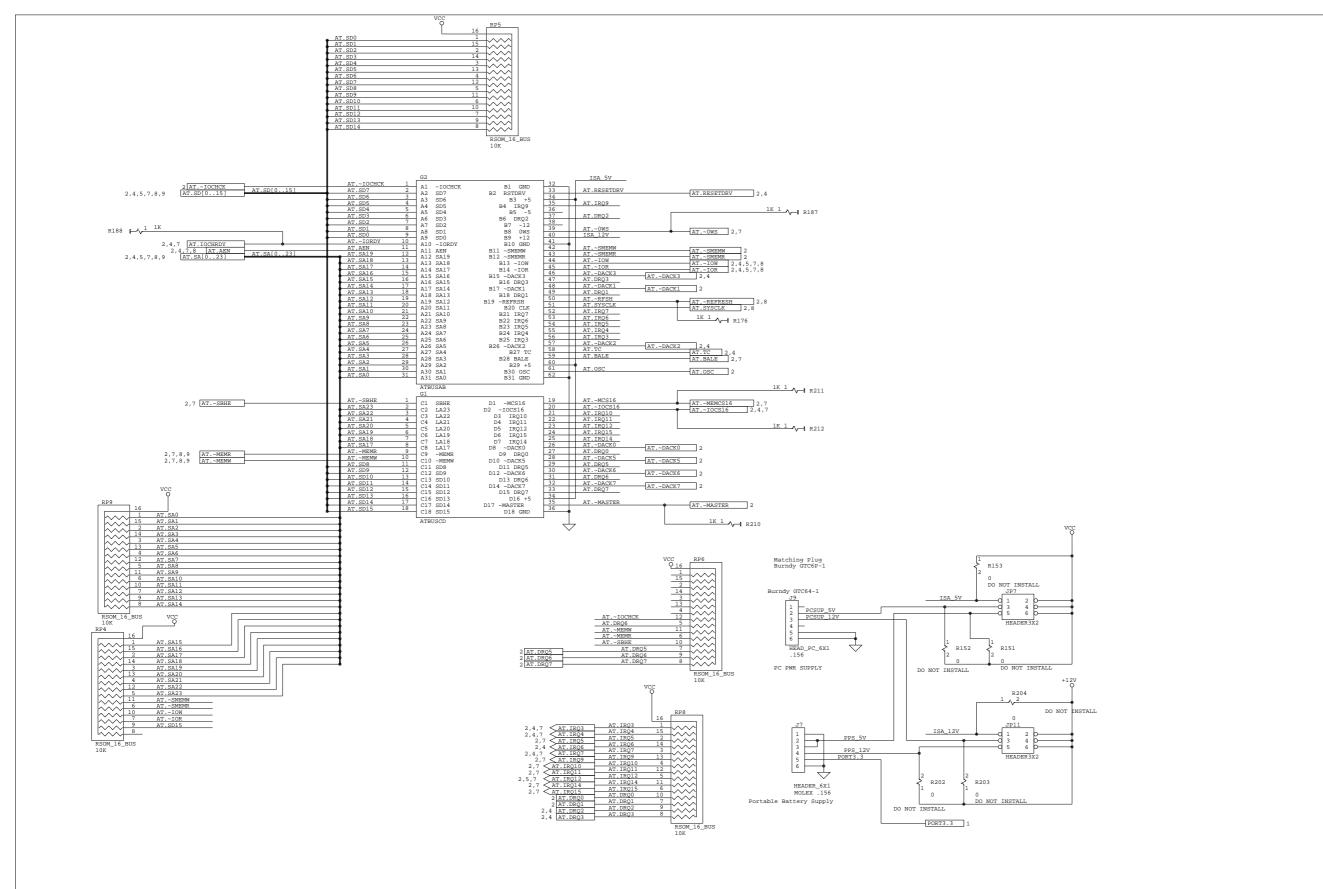
VCC Plane is +5 Volts

U28 Power = +5 Volts

U29 Power = +5 Volts



		RadiSys	Corp.			
Title		g Bird ClK/	2			
	Hummin	g Bird Cik/i	Reset CKts			
Size	Document Num	ber				REV
C		01-01	93-02			1
Date:	September	28, 1995	Sheet	10	of	11



VCC Plane is + 5 Volts

Although Radisys has verified this design to be functional. Neither Radisys or Intel assume any responsibility for any errors which may appear in the design. Both Radisys and Intel reserves the right to modify this design without notice.

	RadiSys C	lorp.			
Title					
	Humming Bird ISA	Circuits			
Size	Document Number				REV
C 01-0193-02					
Date:	September 28, 1995	Sheet	11	of	11

