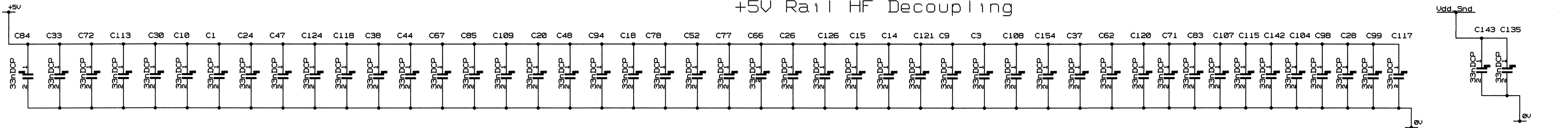


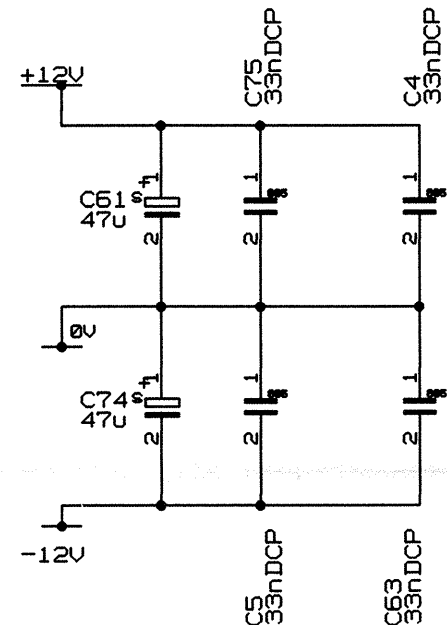
VOLTAGE RAILS & DECOUPLING



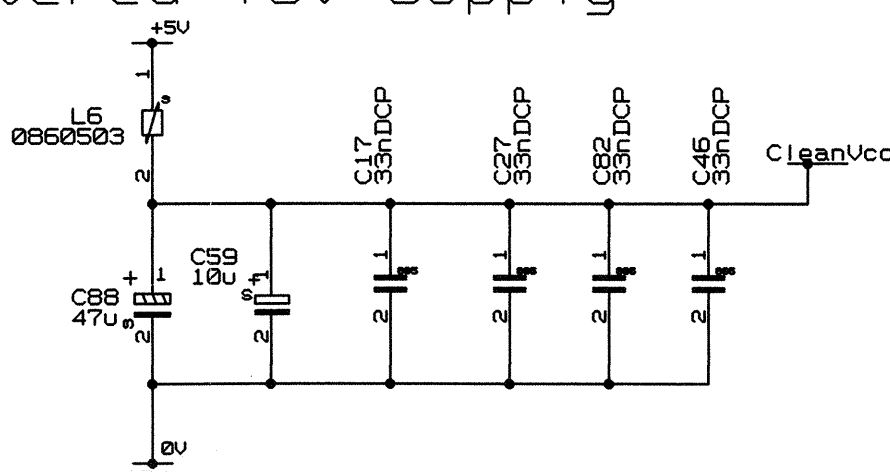
Power & Ground List

DESIGNATOR	PART TYPE	CLEAN VCC	GND	-12V	VCC	+12V
IC13	IOMD-0297030		4 17 36 55 69 88 99 108 121 130 140 160 173 192 206		18 35 70 87 122 139 174 191	
IC19	74ACT138-SMD		8		16	
IC9	74ACT04-SMD		7		14	
IC22	74ACT244-SMD		10		20	
IC26	74ACT244-SMD		10		20	
IC30	74ACT244-SMD		10		20	
IC33	74ACT244-SMD		10		20	
IC5	37C655		6 47 67		15 72	
IC11	74ACT32-SMD		7		14	
IC1	74ACT574-SMD		10		20	
IC2	74ACT574-SMD		10		20	
IC6	74ACT574-SMD		10		20	
IC8	74ACT574-SMD		10		20	
IC18	74HCT14-SMD		7		14	
IC36	LM386-SMD		4		6	
IC12	74HCT245-SMD		10		20	
IC16	74HCT245-SMD		10		20	
IC23	74ACT573-SMD		10		20	
IC24	74ACT573-SMD		10		20	
IC28	74ACT573-SMD		10		20	
IC31	74ACT573-SMD		10		20	
IC25	74LS241-SMD	20	10			
IC3	MC1488-SMD		7	1		14
IC7	MC1489A-SMD	14	7			
IC10	MC1489A-SMD	14	7			
IC29	VIDC20		11 15 24 30 43 52 66 77 79 95 99 122 128 137		8 10 21 23 44 45 59 78 87 98 102 116 129 131	
IC21	74ACT139-SMD		8		16	
IC14	8MMROM-SK		31, 12		22	
IC15	8MMROM-SK		31, 12		22	
X1	XTALOSC-64M00C		4		8	
X2	XTALOSC-24M00C		4		8	
IC35	LM324-SMD	see schematic	(sheet 5)			
IC20	PCF8583-SMD	see schematic	(sheet 1)			
IC17	D52401	see schematic	(sheet 1)			
IC32	74AC04-SMD	see schematic	(sheet 5)			
IC34	74HC04-SMD	see schematic	(sheet 5)			
IC4	74AC04-SMD		7		14	
IC27	RASPAL-0297034		10		20	

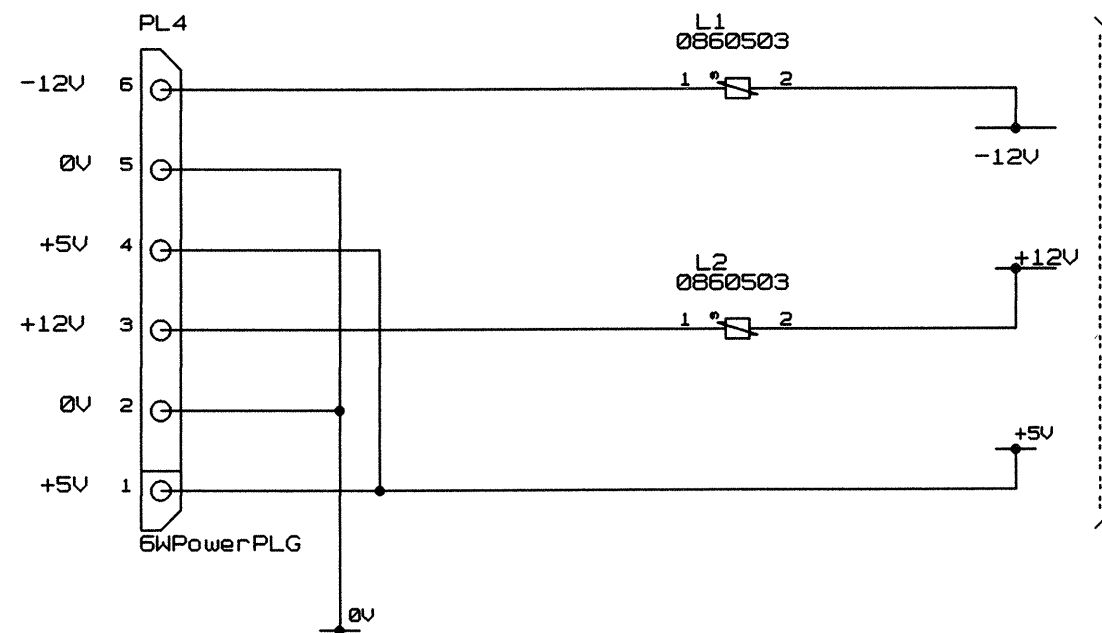
+/- 12V Decoupling



Filtered +5V Supply

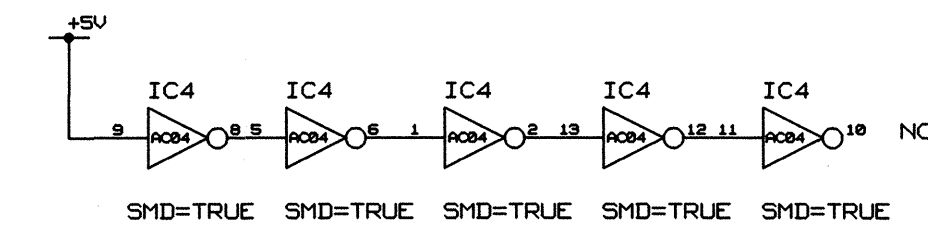
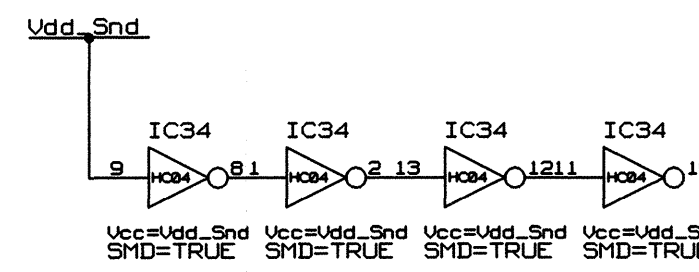
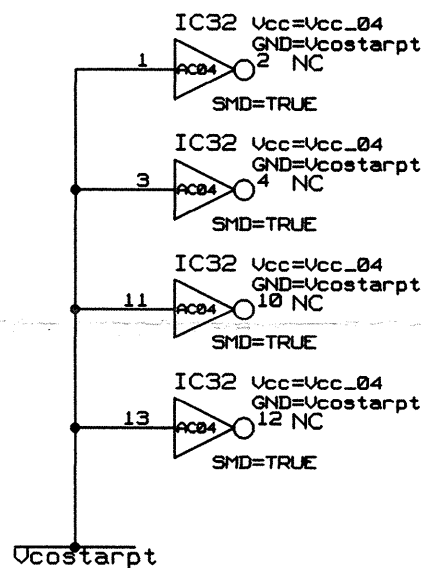
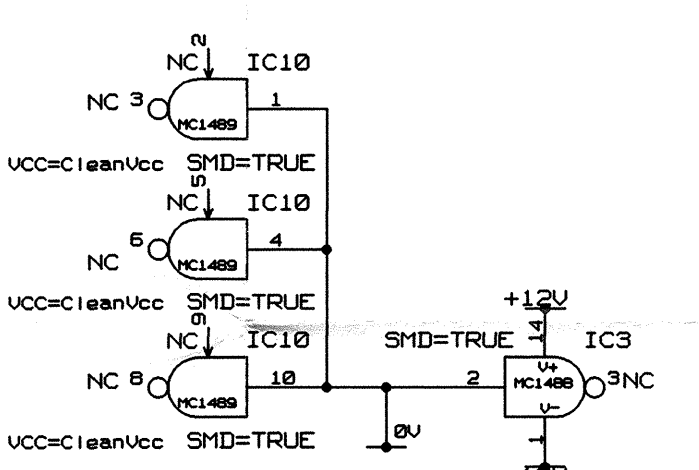
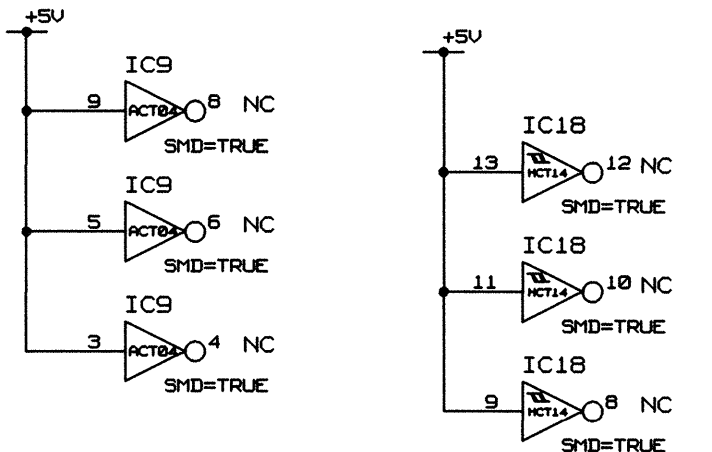


Power In (From PSU)



Voltage Rails

Spare Gates



NOTE:
ISSUE 2 OF THIS SCHEMATIC RELATES
TO THE ISSUE 1 PCB ASSEMBLY PLUS
ENGINEERING DEVIATIONS LISTED