

PT 5210 VariTime™ Digital Sync Generator



Service Manual – section 2:

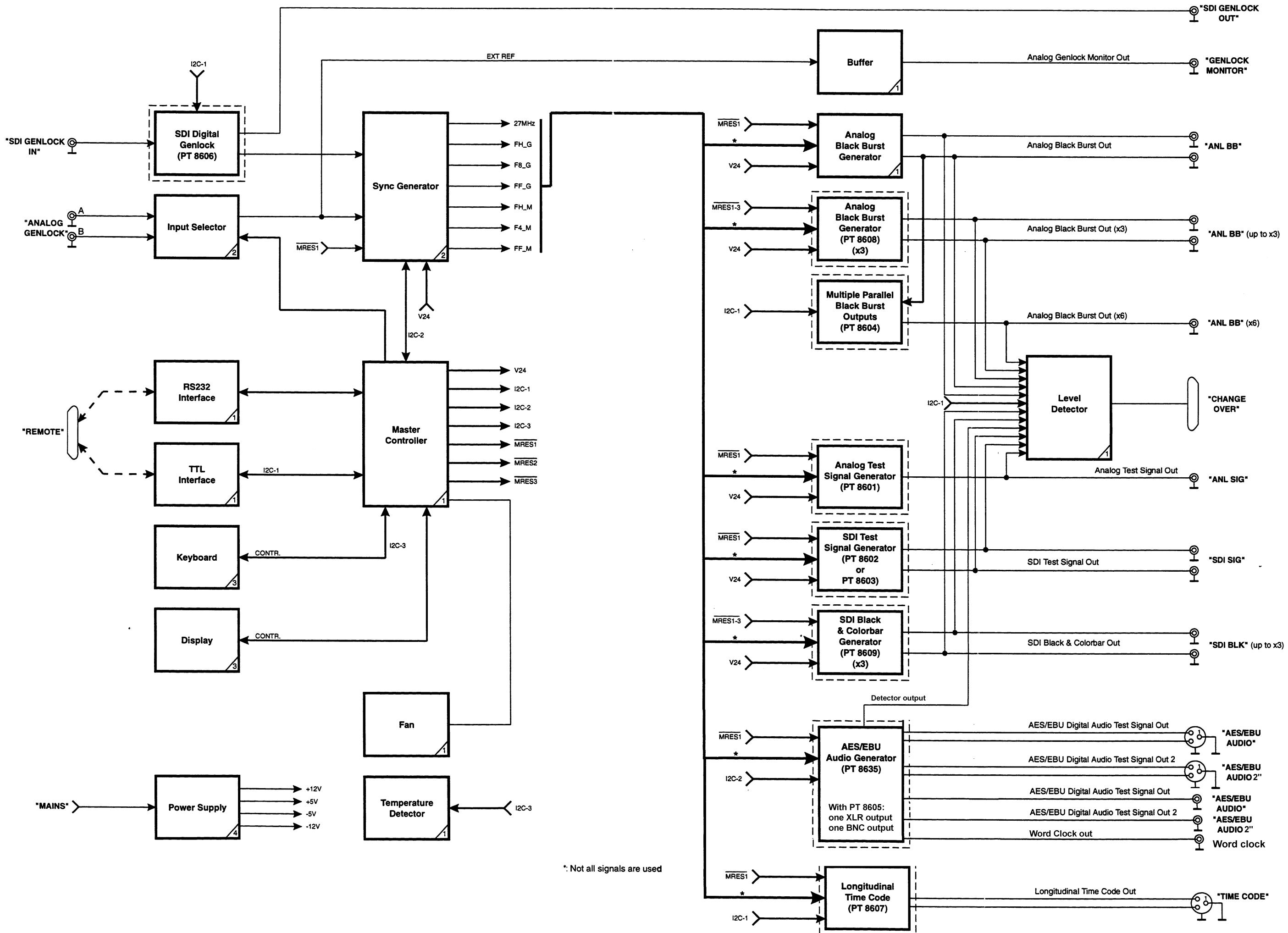
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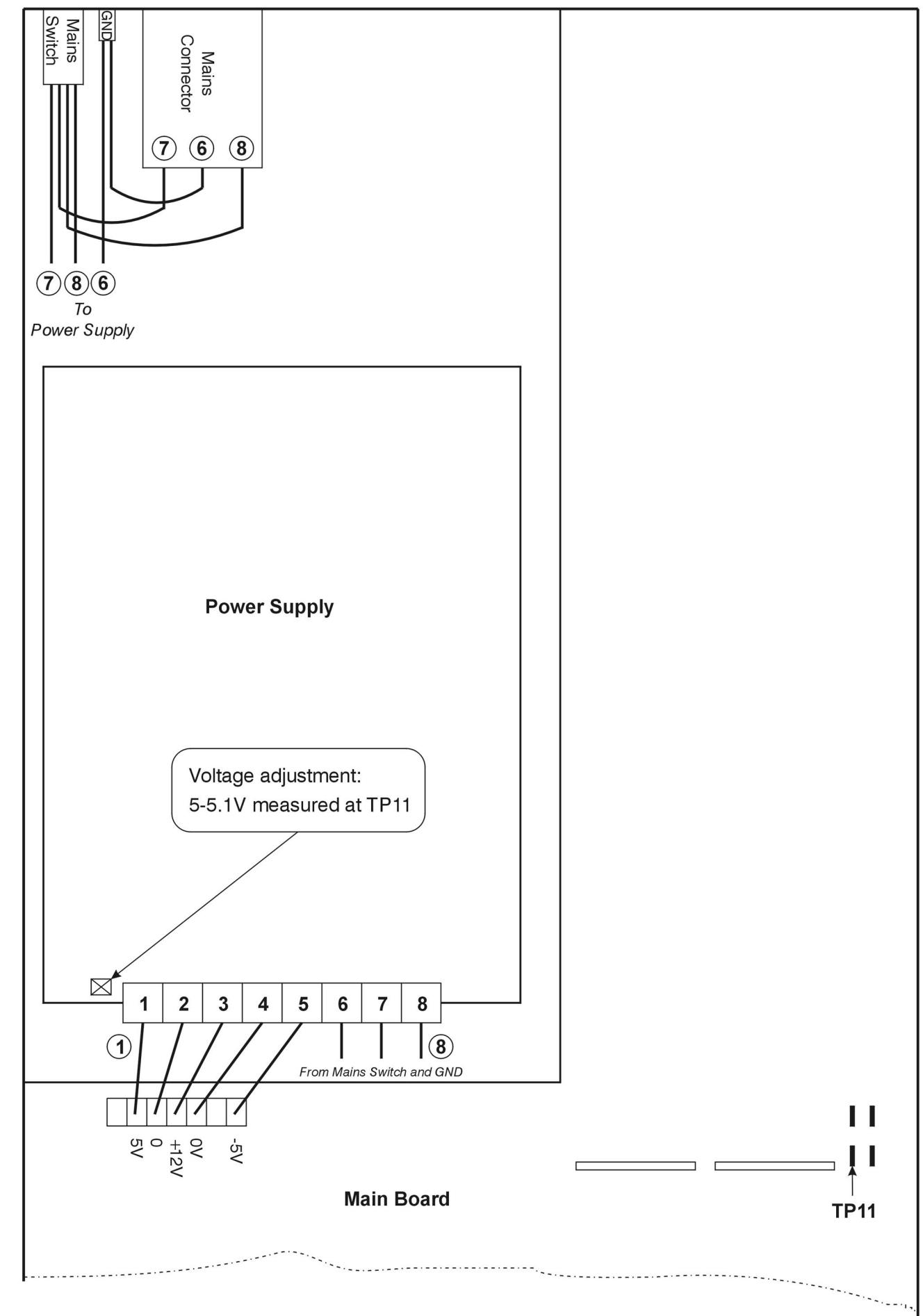
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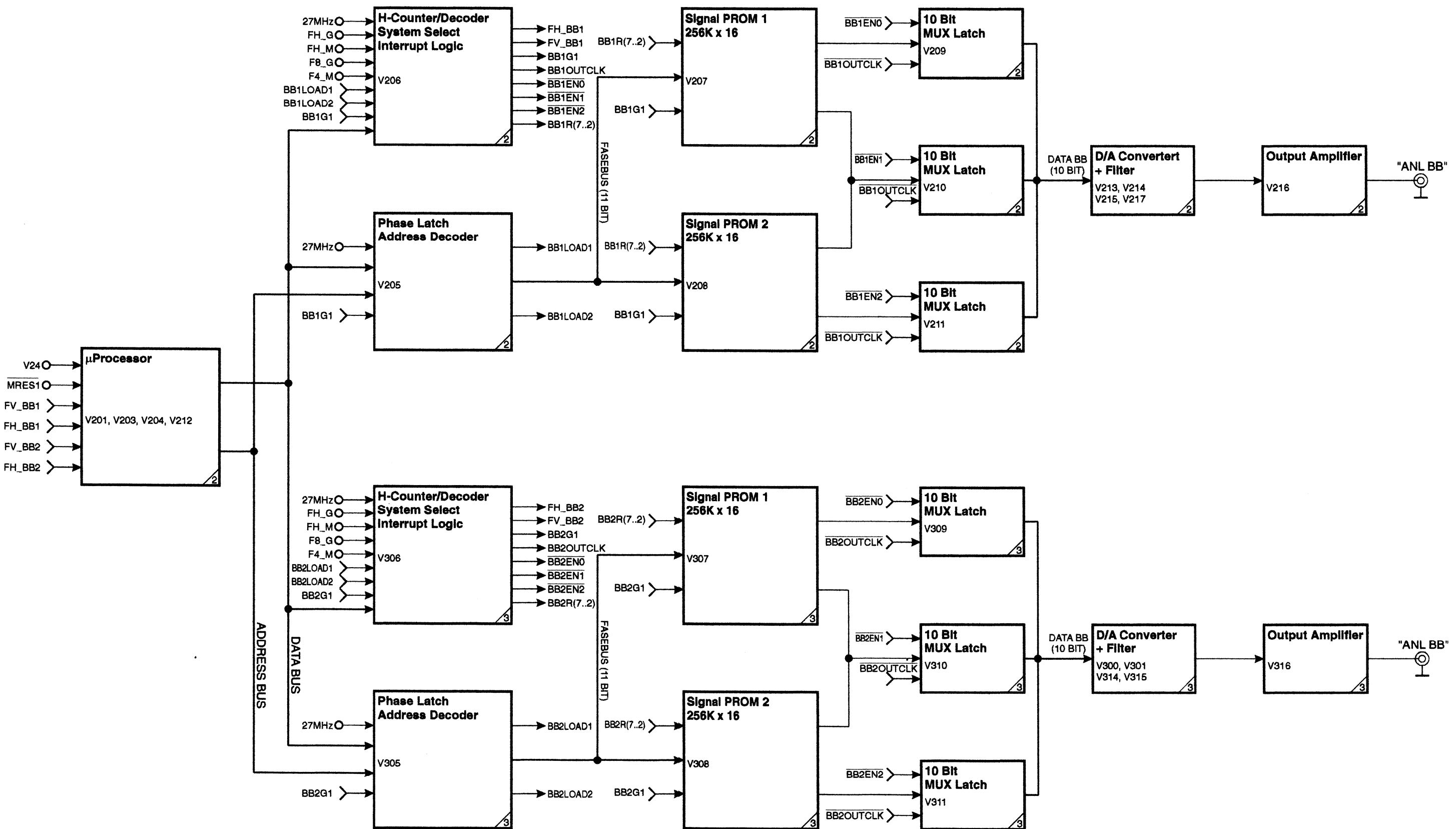
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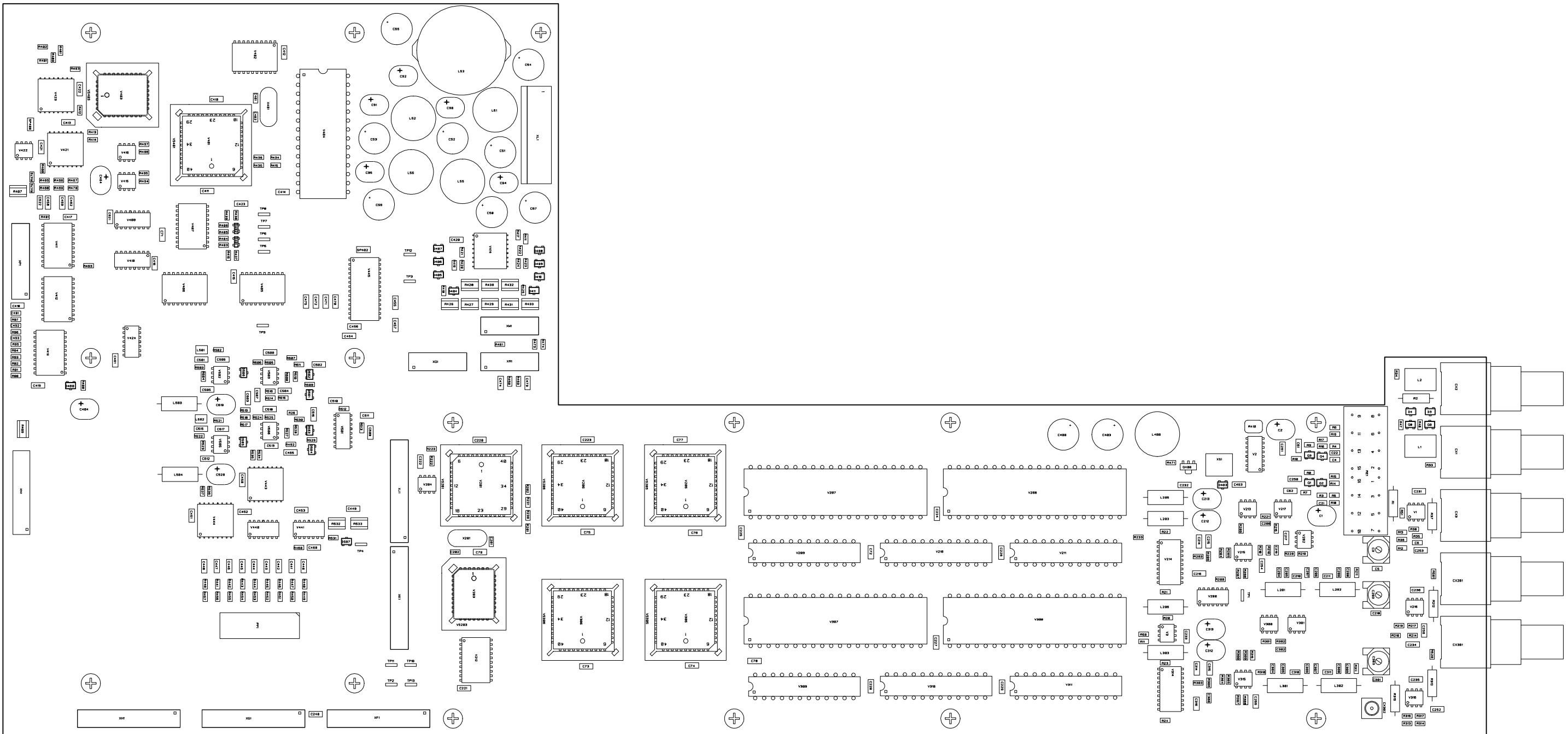




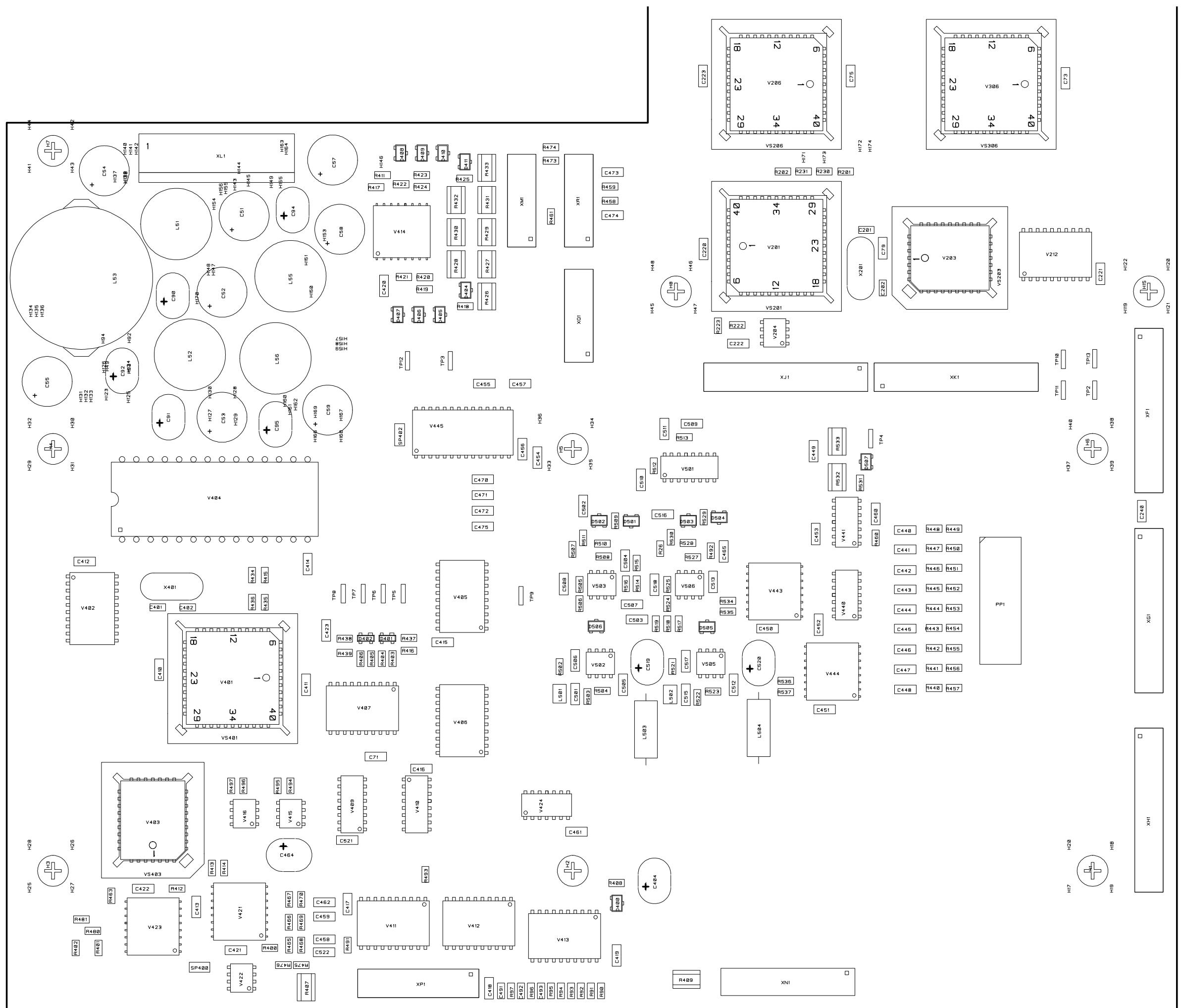
Power supply connections



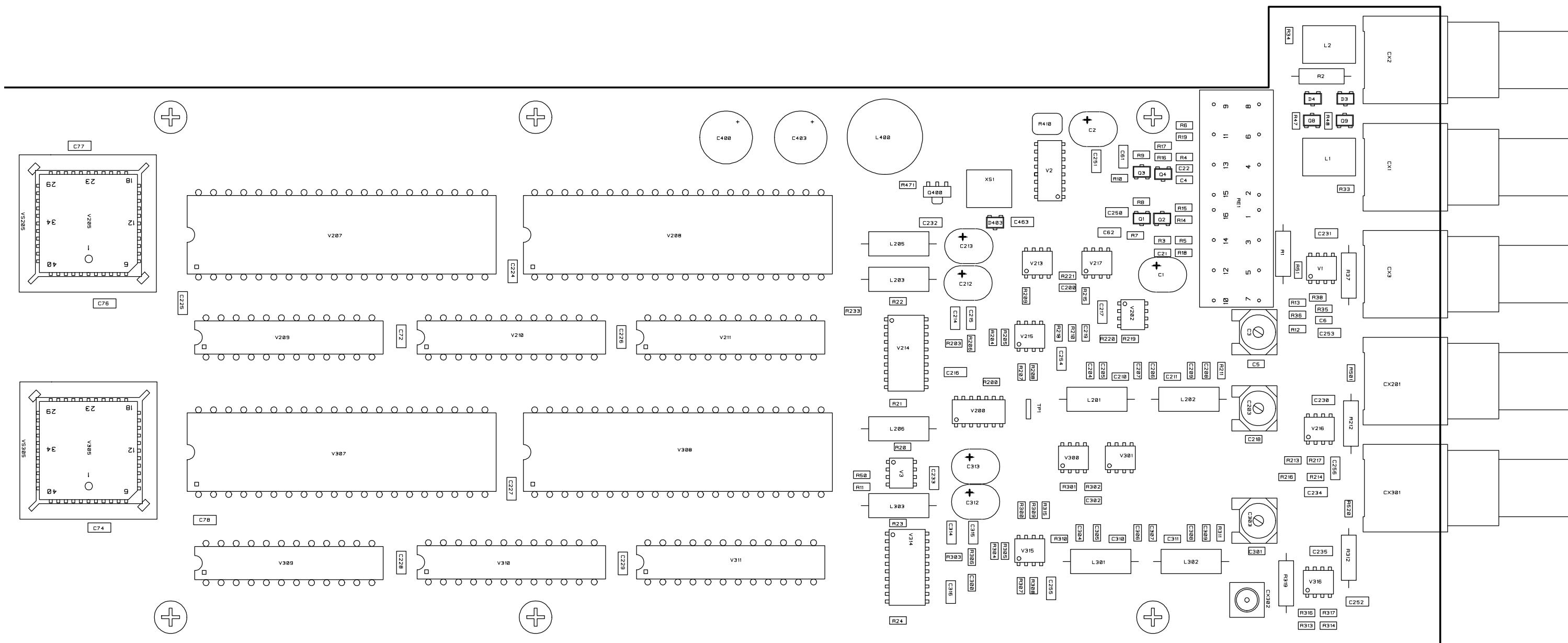
Blockdiagram Mainboard



Mainboard - full

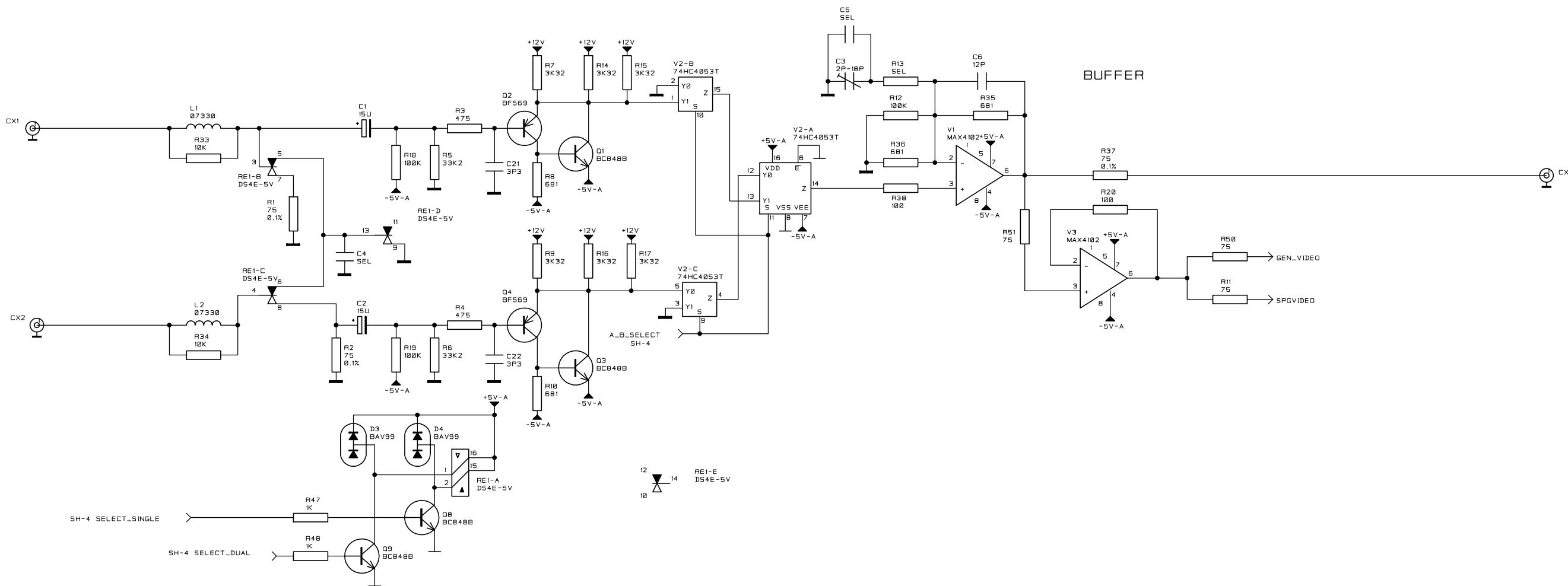


Mainboard - part 1

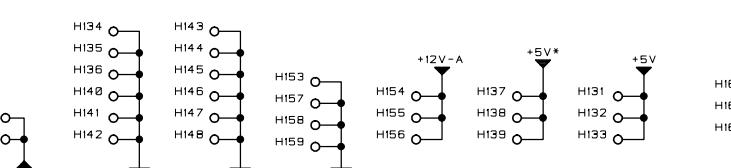
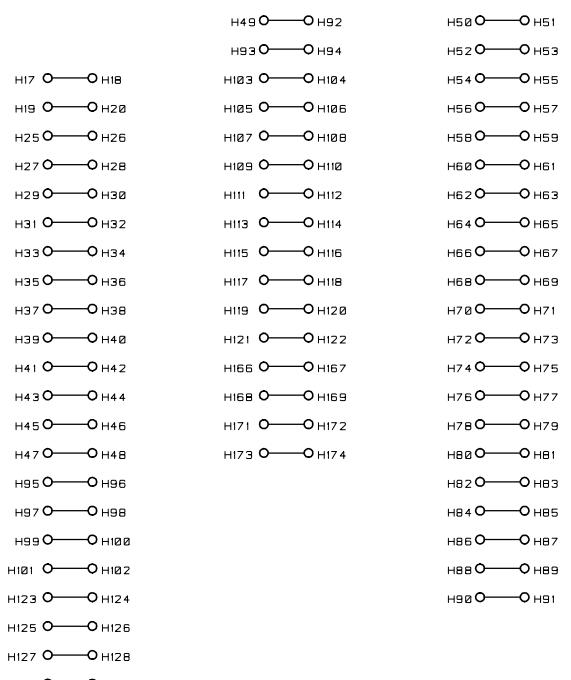
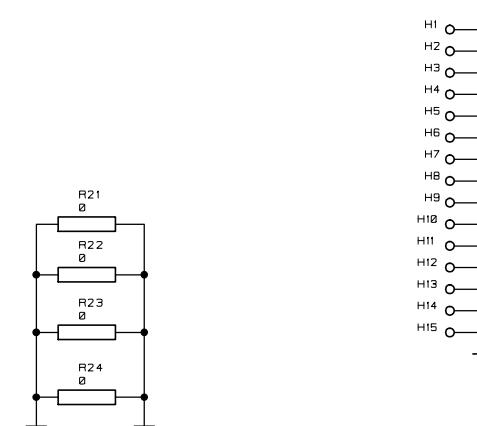
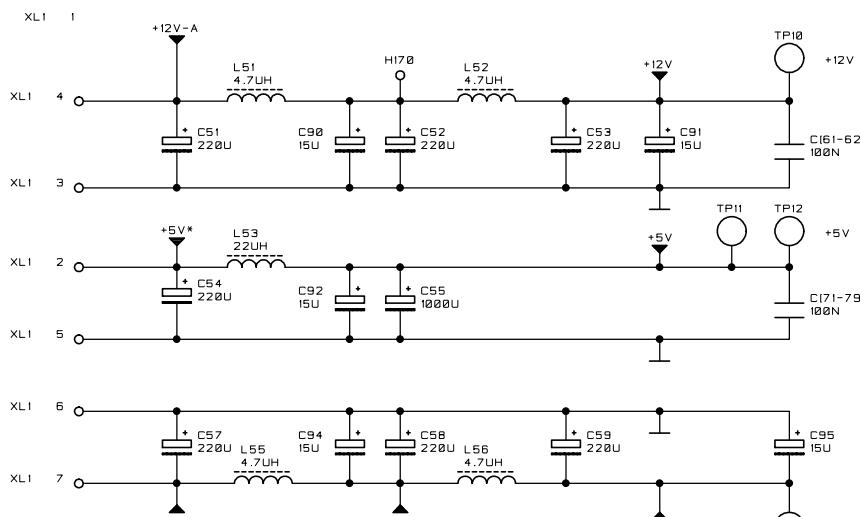


Mainboard - part 2

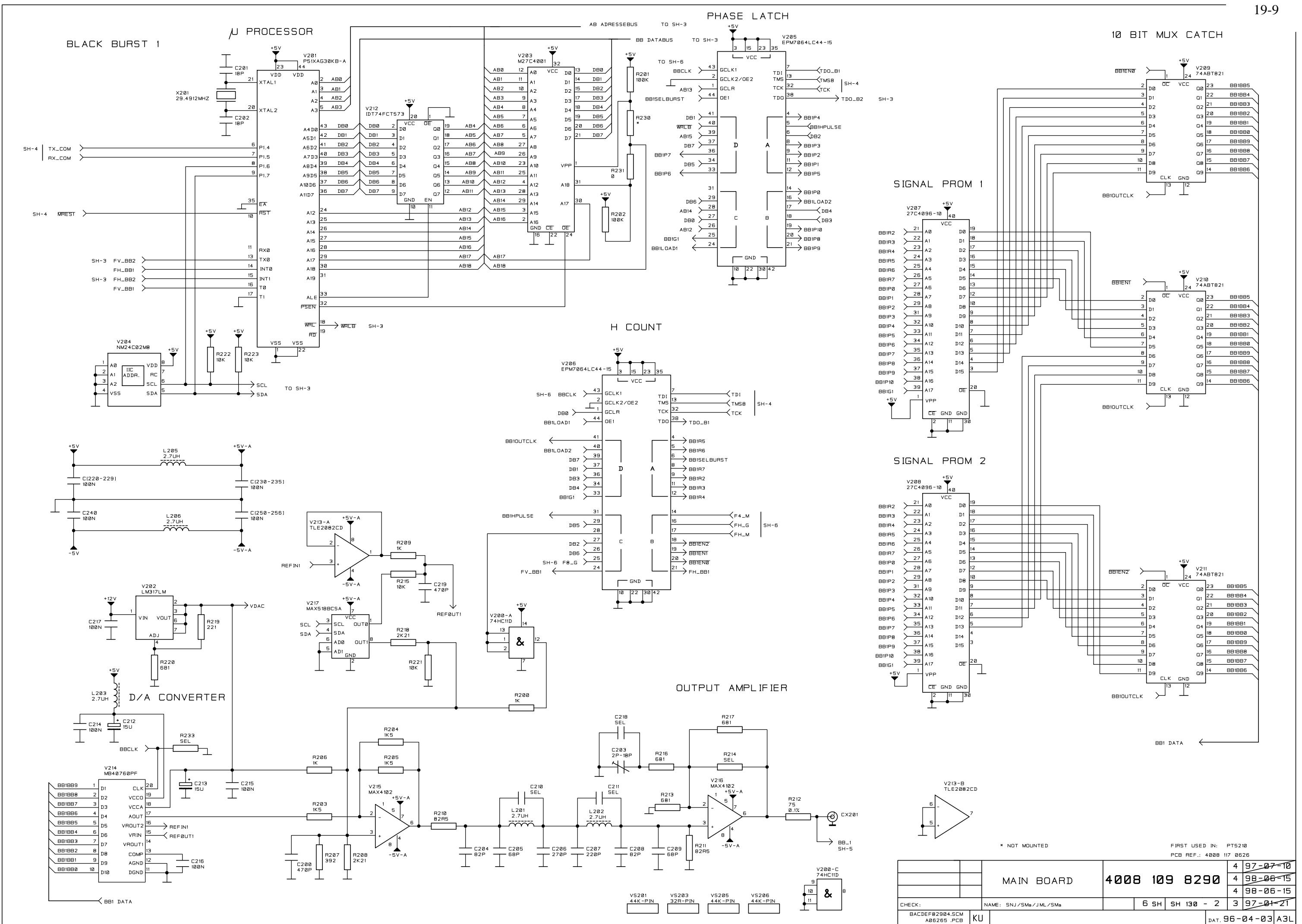
INPUT SELECTOR



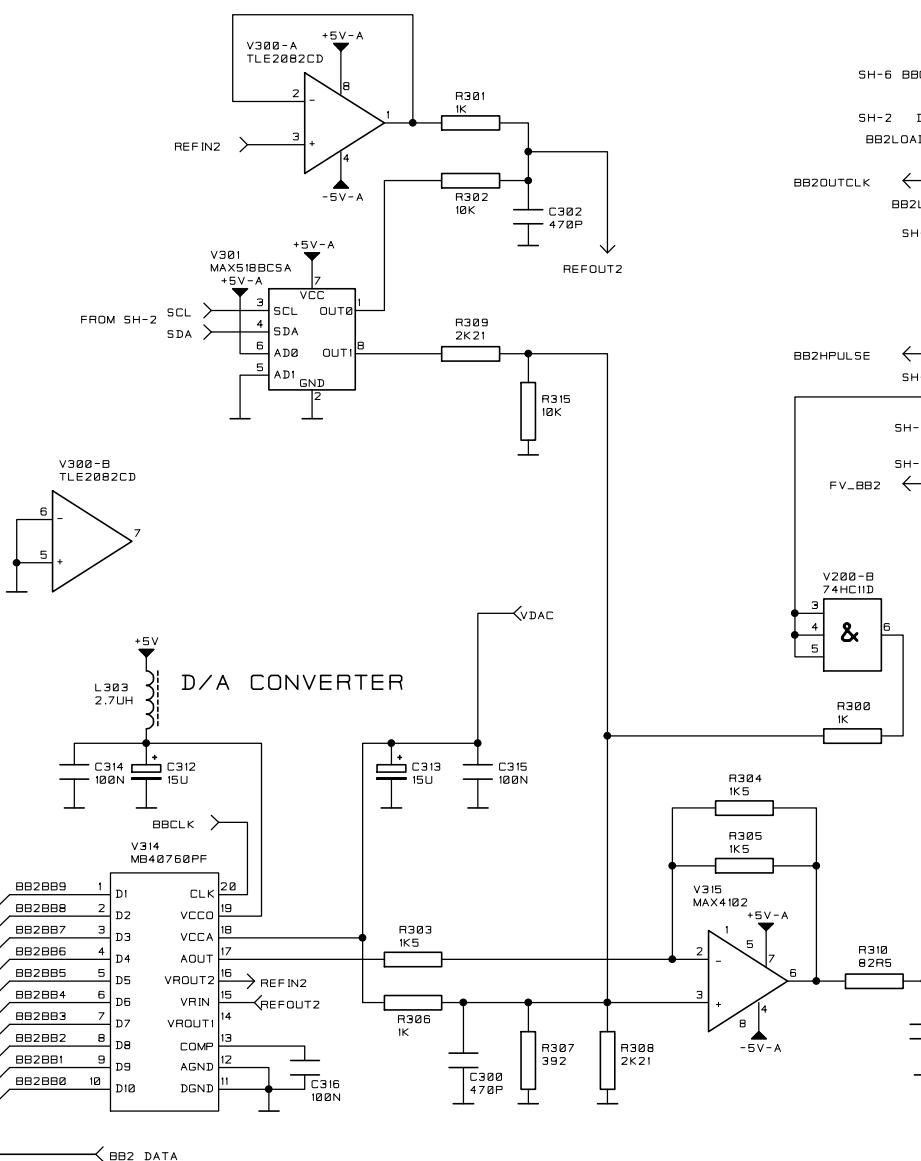
BUFFER



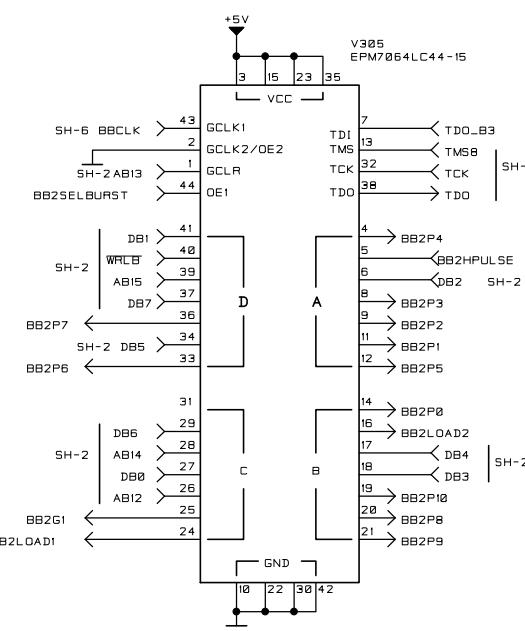
MAIN BOARD		4008 109 8290	
CHECK:		NAME: PF/SMa / JM/SMa	
ABCDEF82984.SCM	KU	6 SH SH 130 - 1	3 97-01-21
A88285.PCB			DAT. 96-04-03 A3L



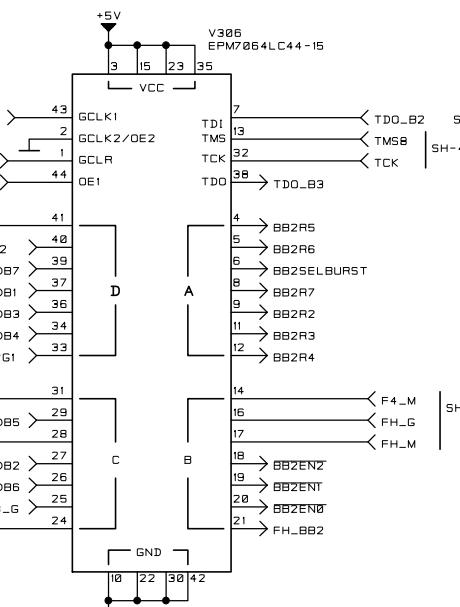
BLACK BURST 2



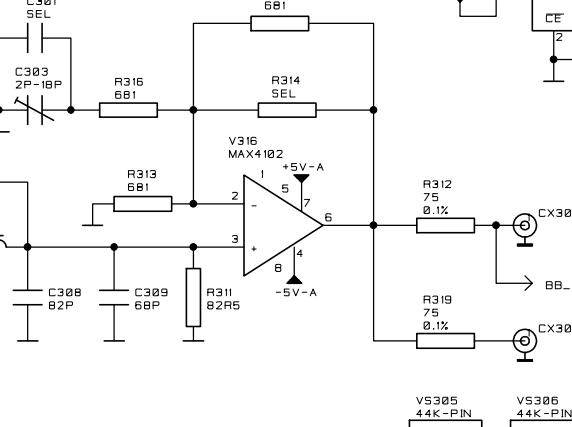
PHASE LATCH



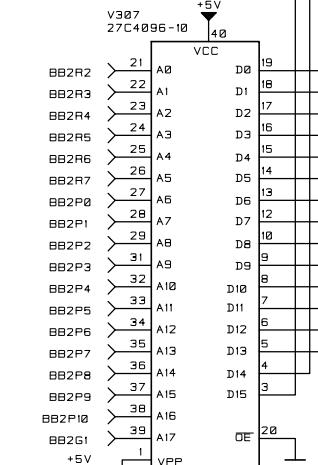
H COUNT



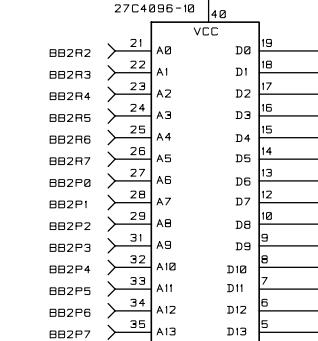
OUTPUT AMPLIFIER



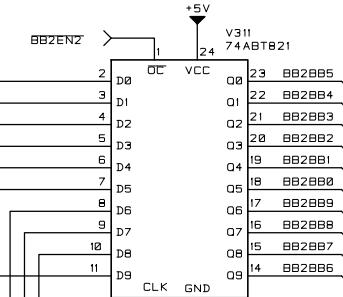
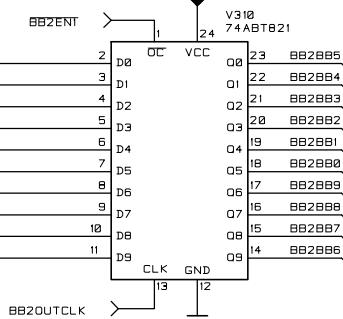
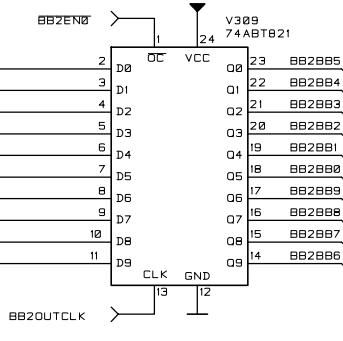
SINAL PROM 1



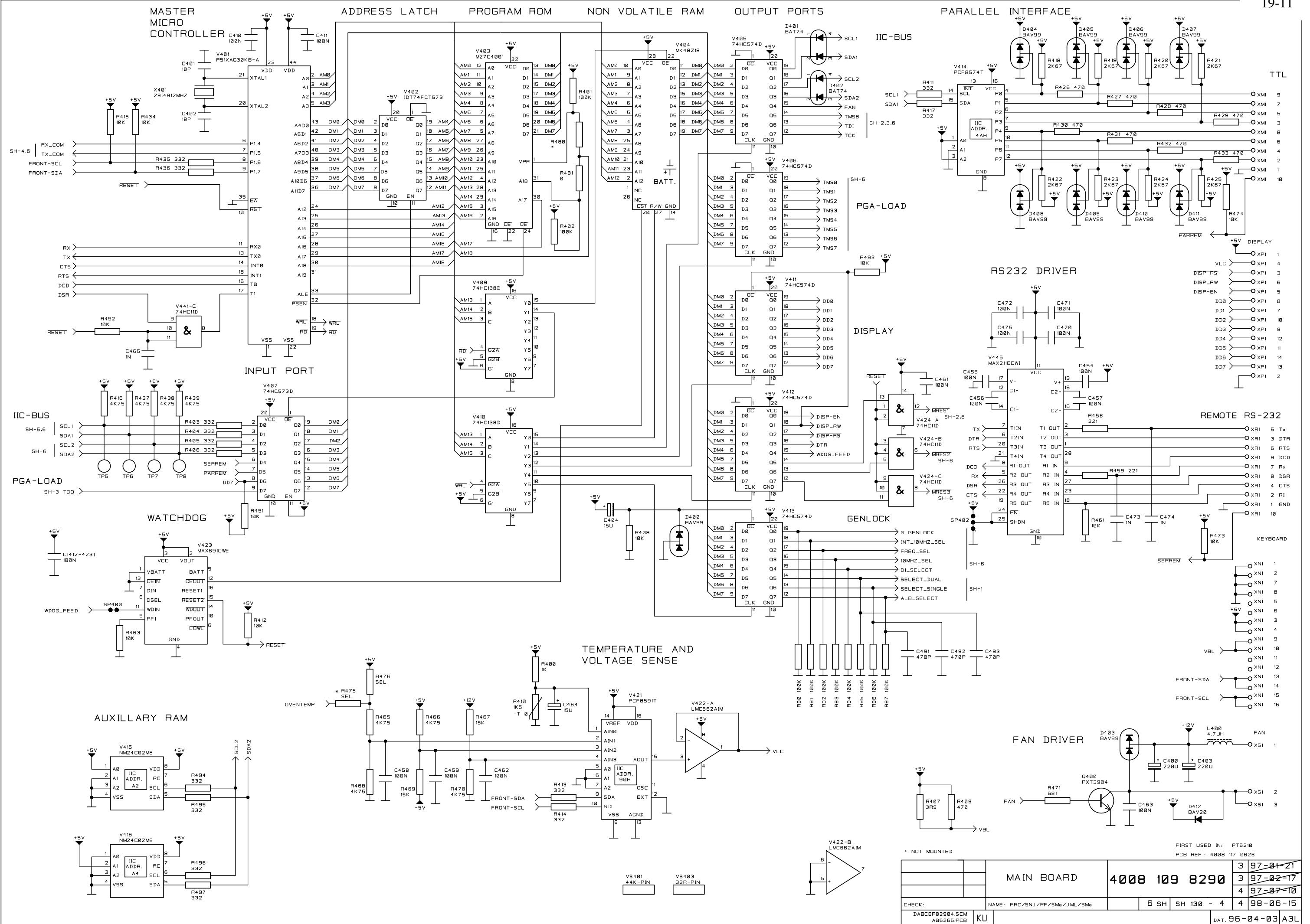
SINAL PROM 2

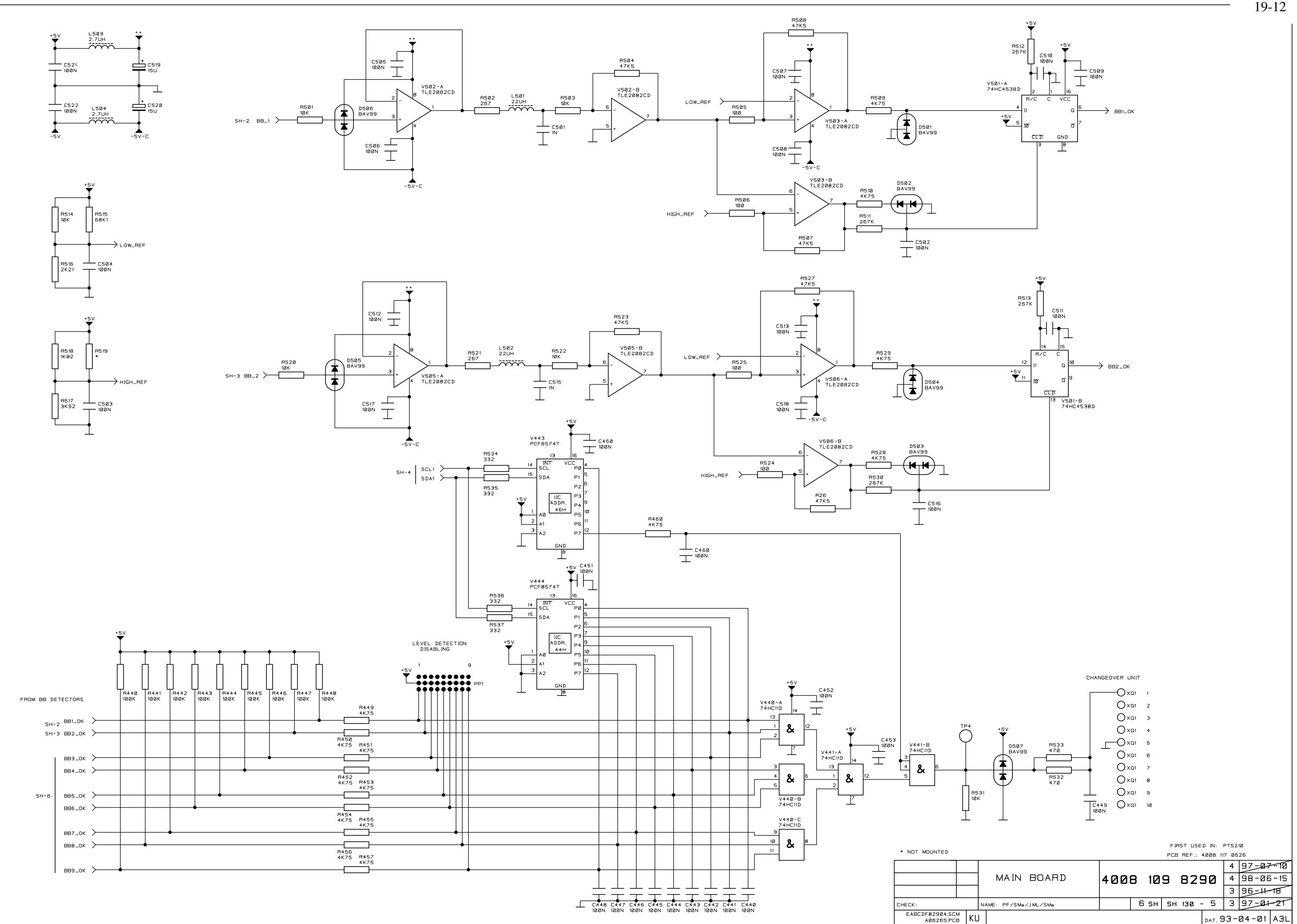


10 BIT MUX LATCH

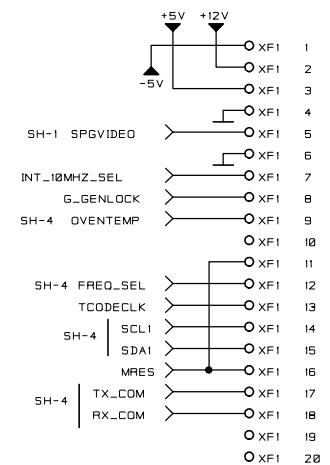


FIRST USED IN: PT5210	
PCB REF.: 4008 117 0626	
109 8290	
SH	SH 130 - 3
DAT. 96-04-03 A3L	

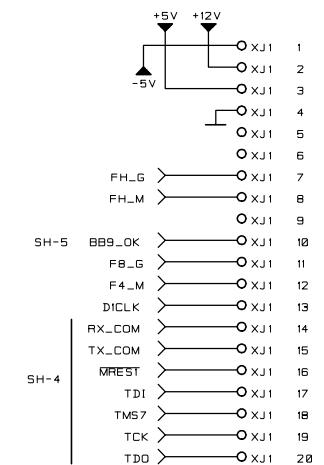




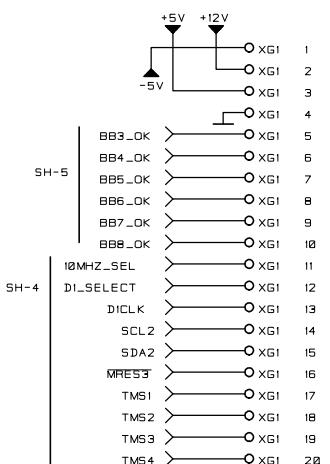
TO SYNC PULSE GENERATOR



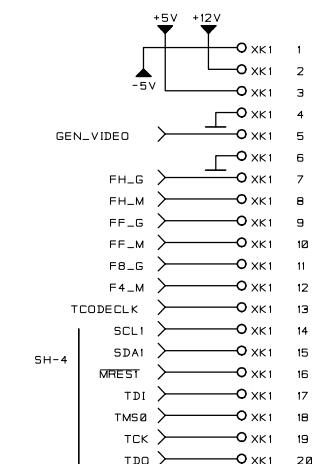
TO D1 GENERATOR



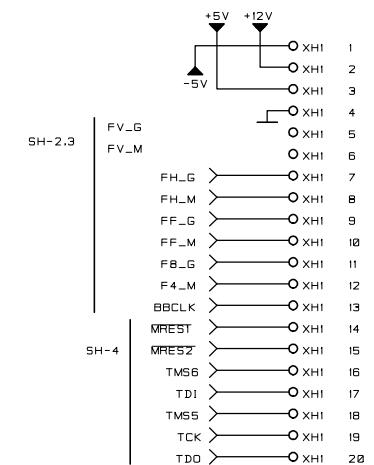
TO SYNC PULSE GENERATOR



TO TIMECODE

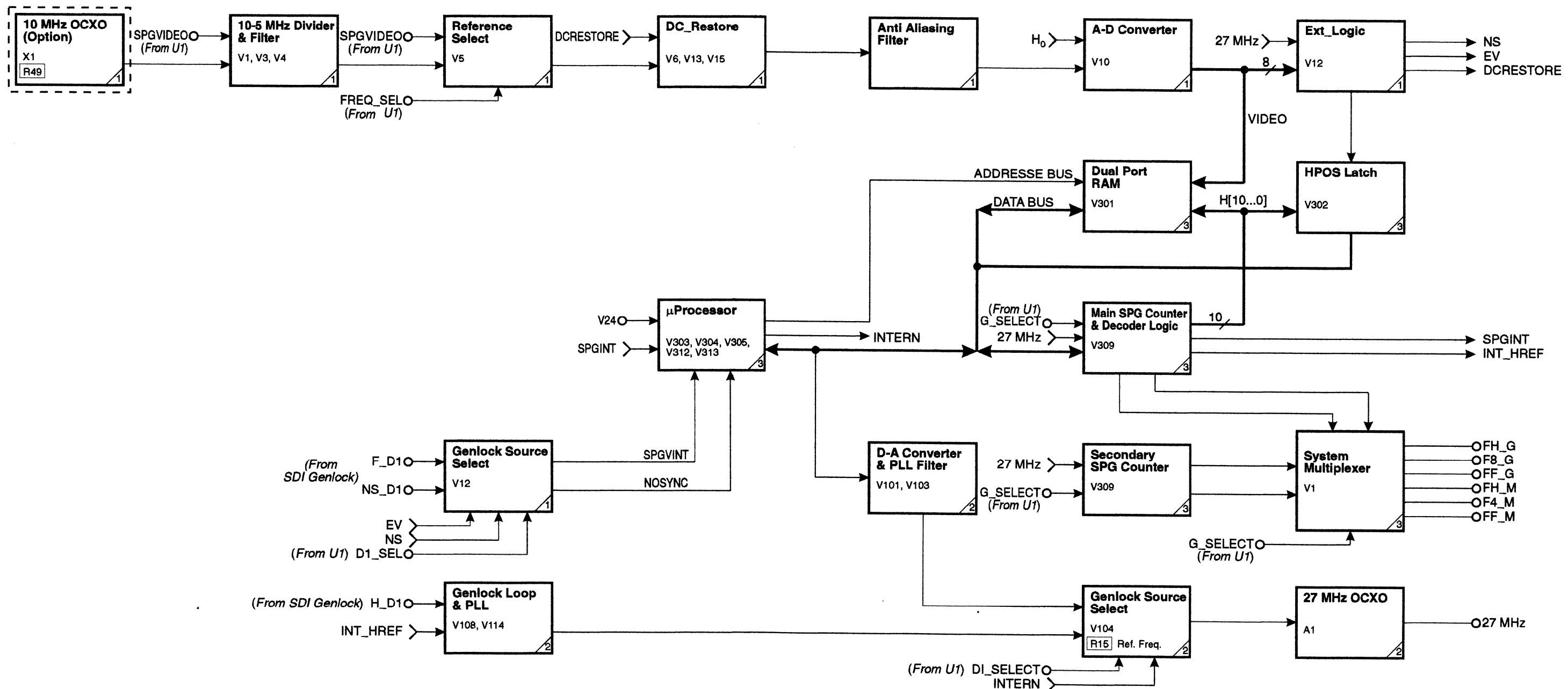


TO SYNC PULSE GENERATOR

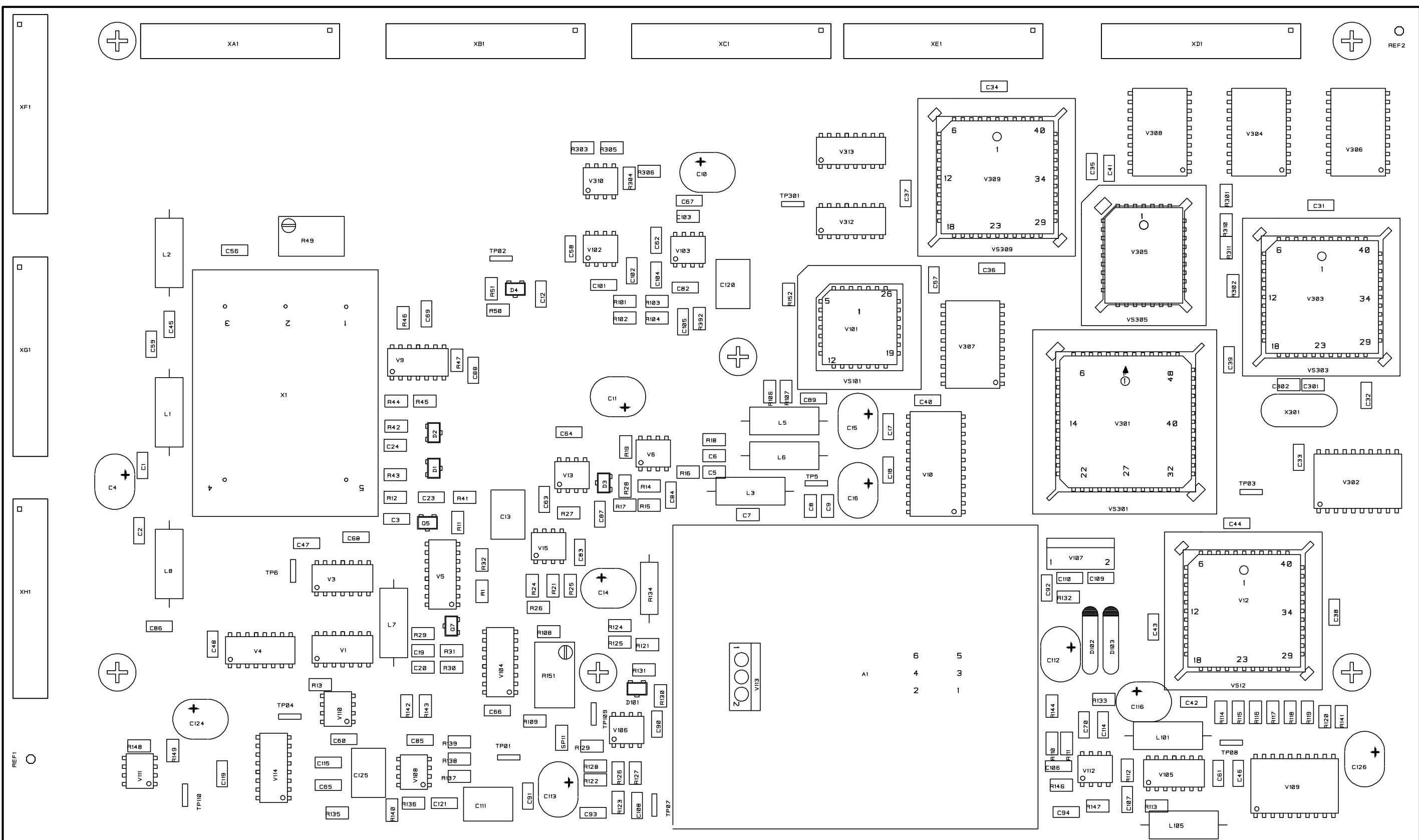


FIRST USED IN: PT5210
PCB REF.: 4008 117 0626

		MAIN BOARD	4008 109 8290	4	97-07-10
				4	98-06-15
CHECK:				3	96-11-18
FABCDE82984.SCM A80265.PCB	KU			3	97-01-21
				DAT.	96-03-28 A3L

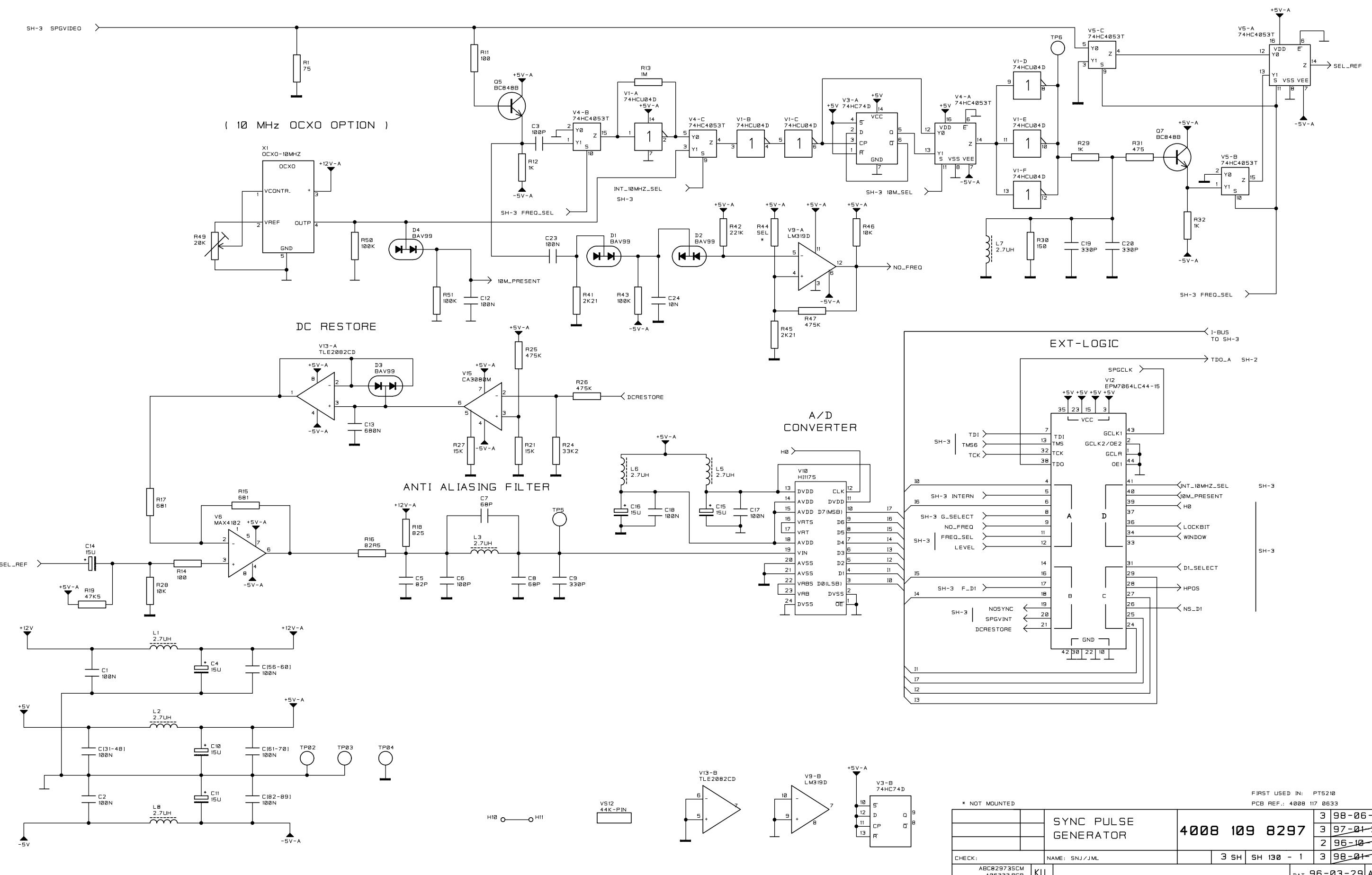


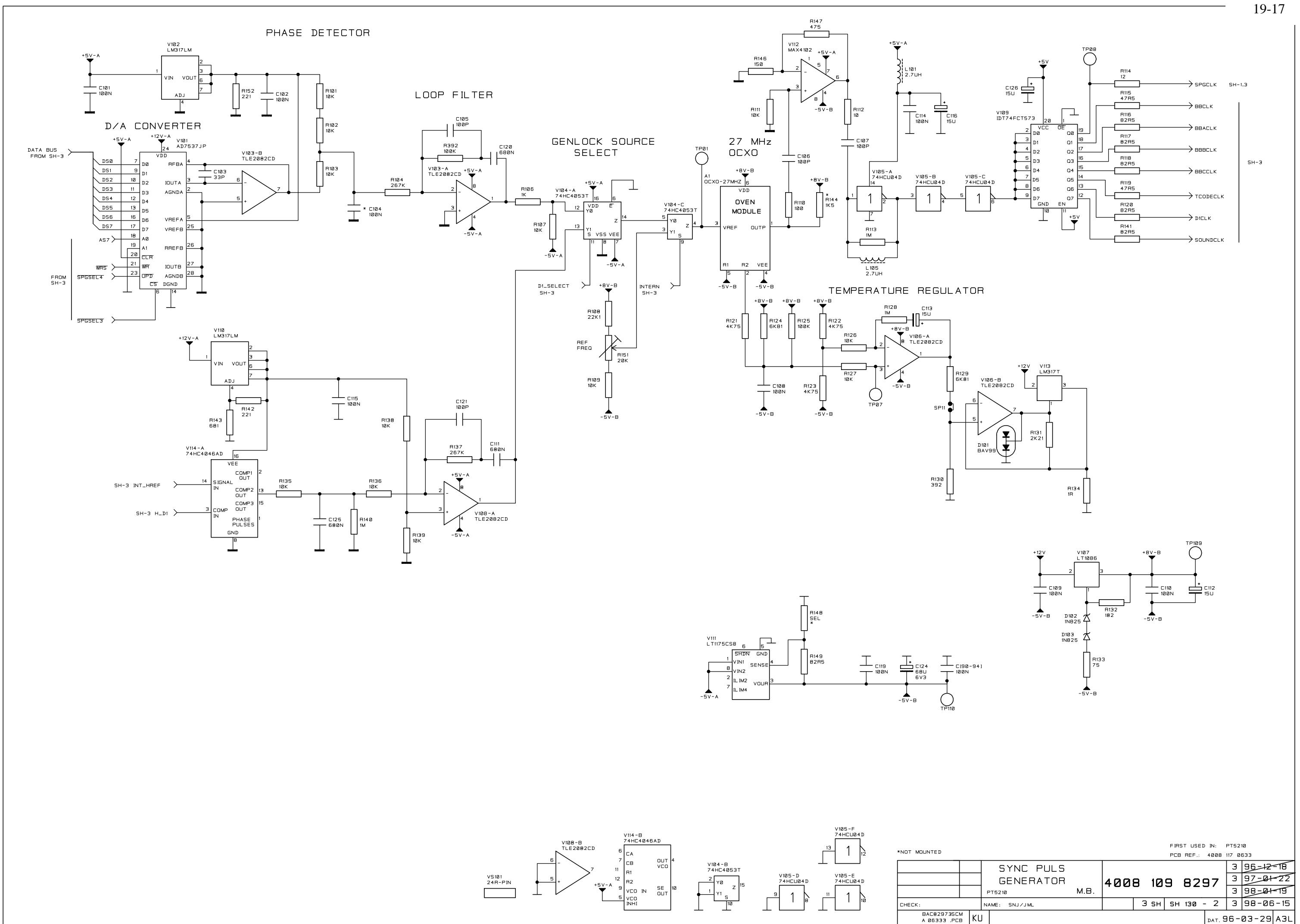
Blockdiagram - sync generator

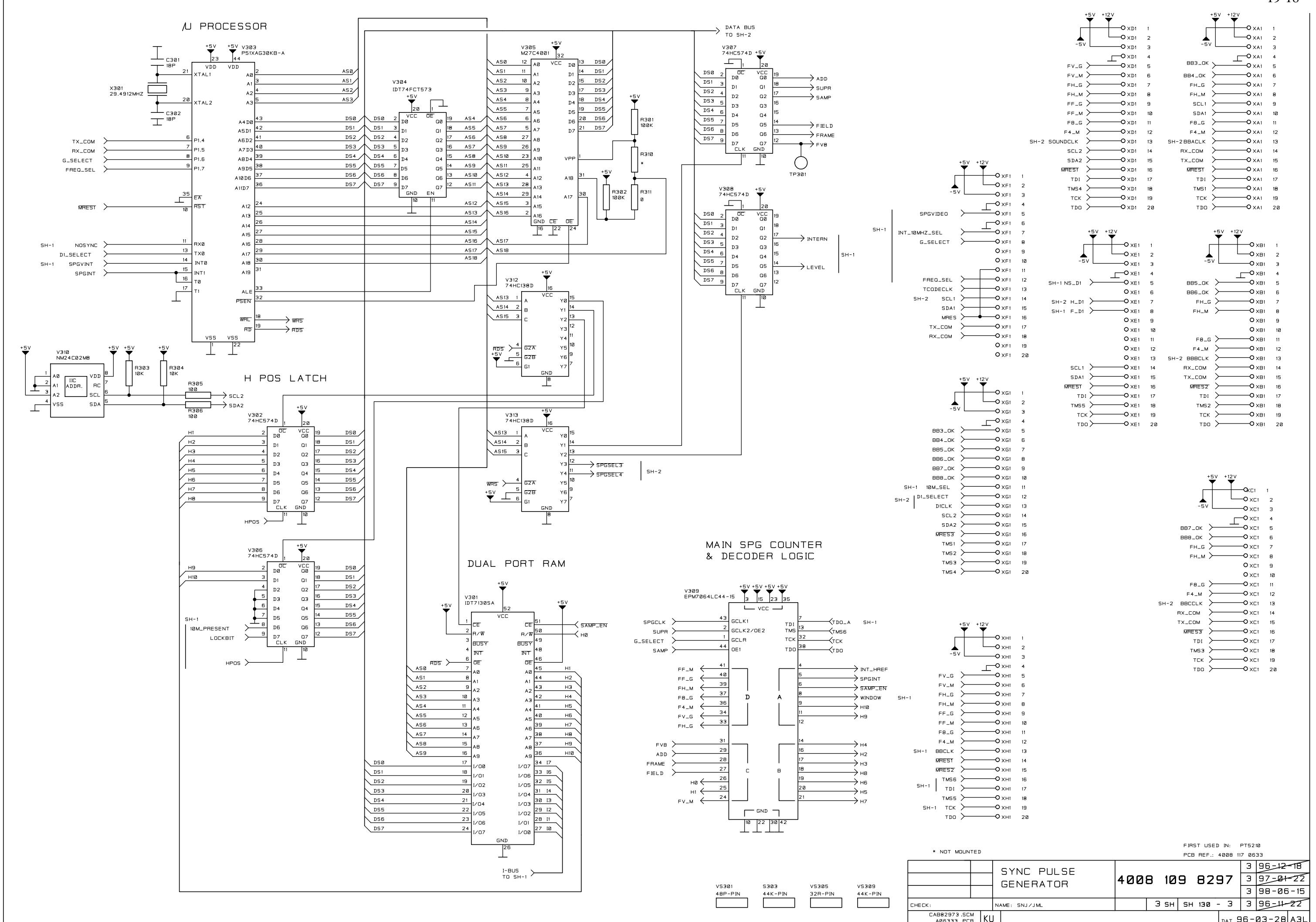


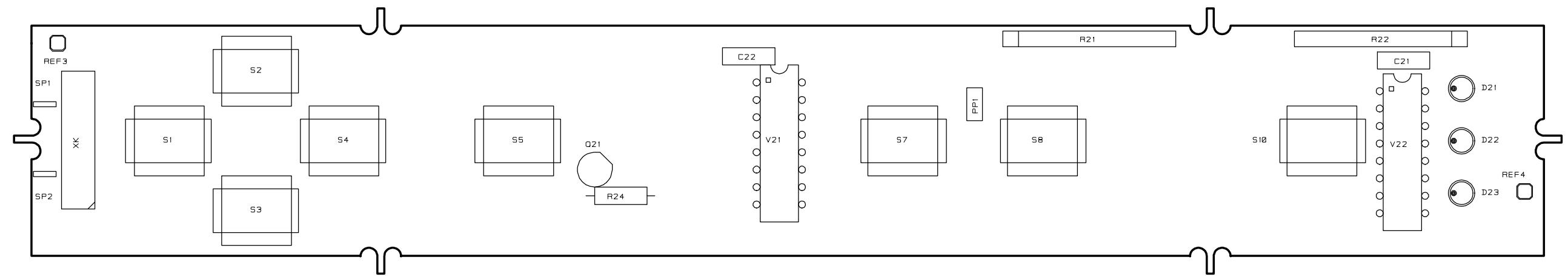
10/5 MHz DIVIDER & FILTER

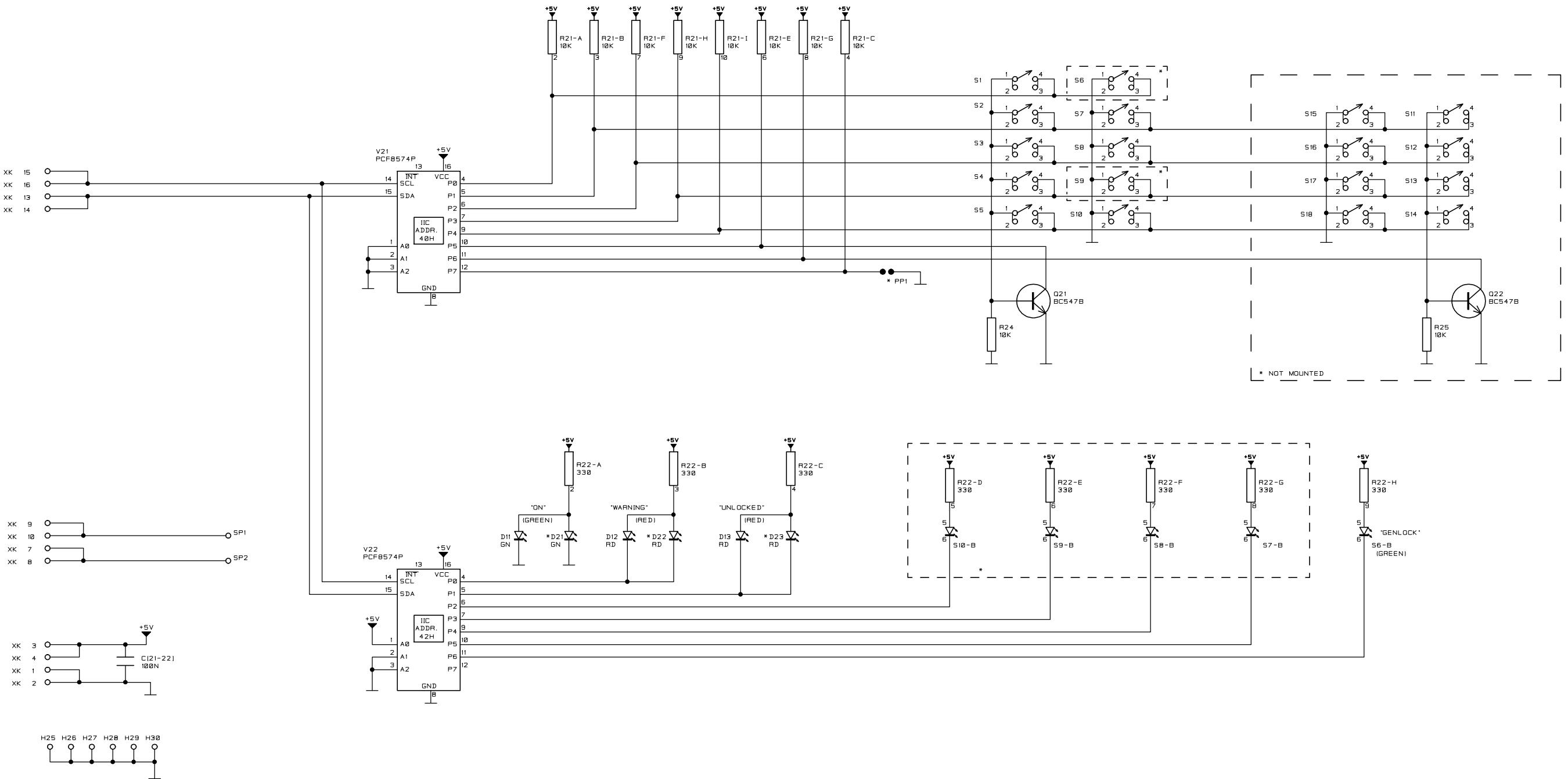
REFERENCE SELECT



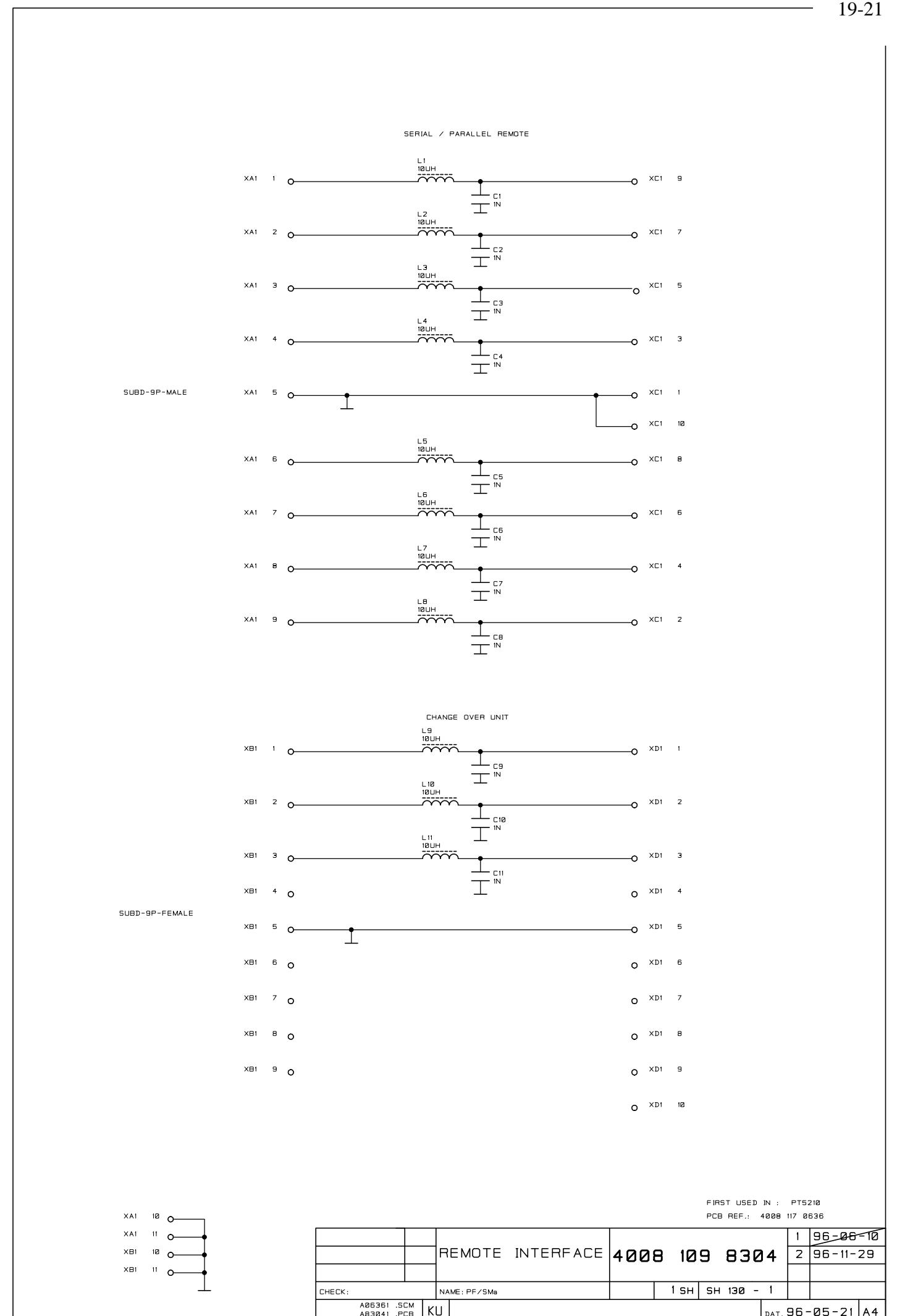
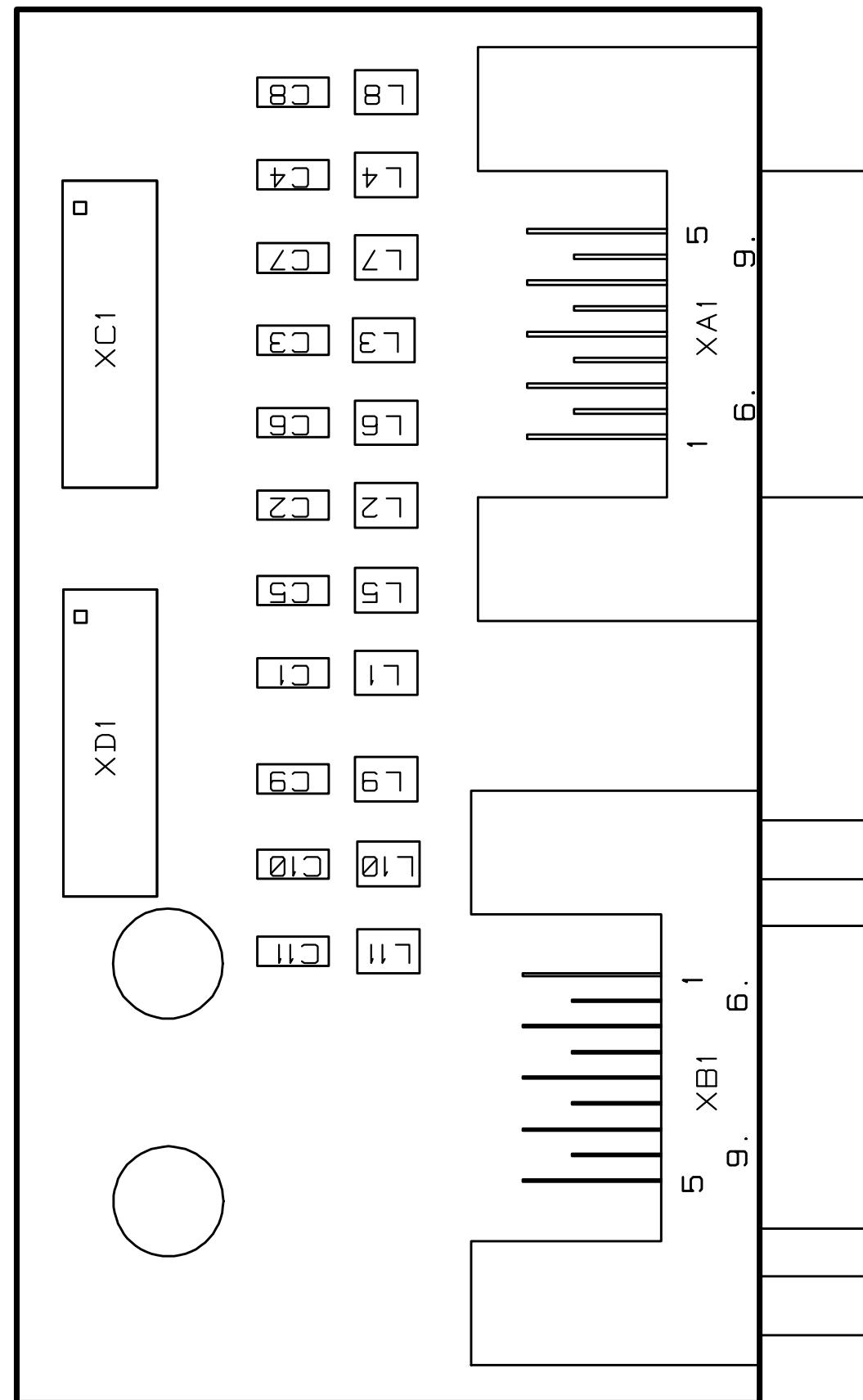


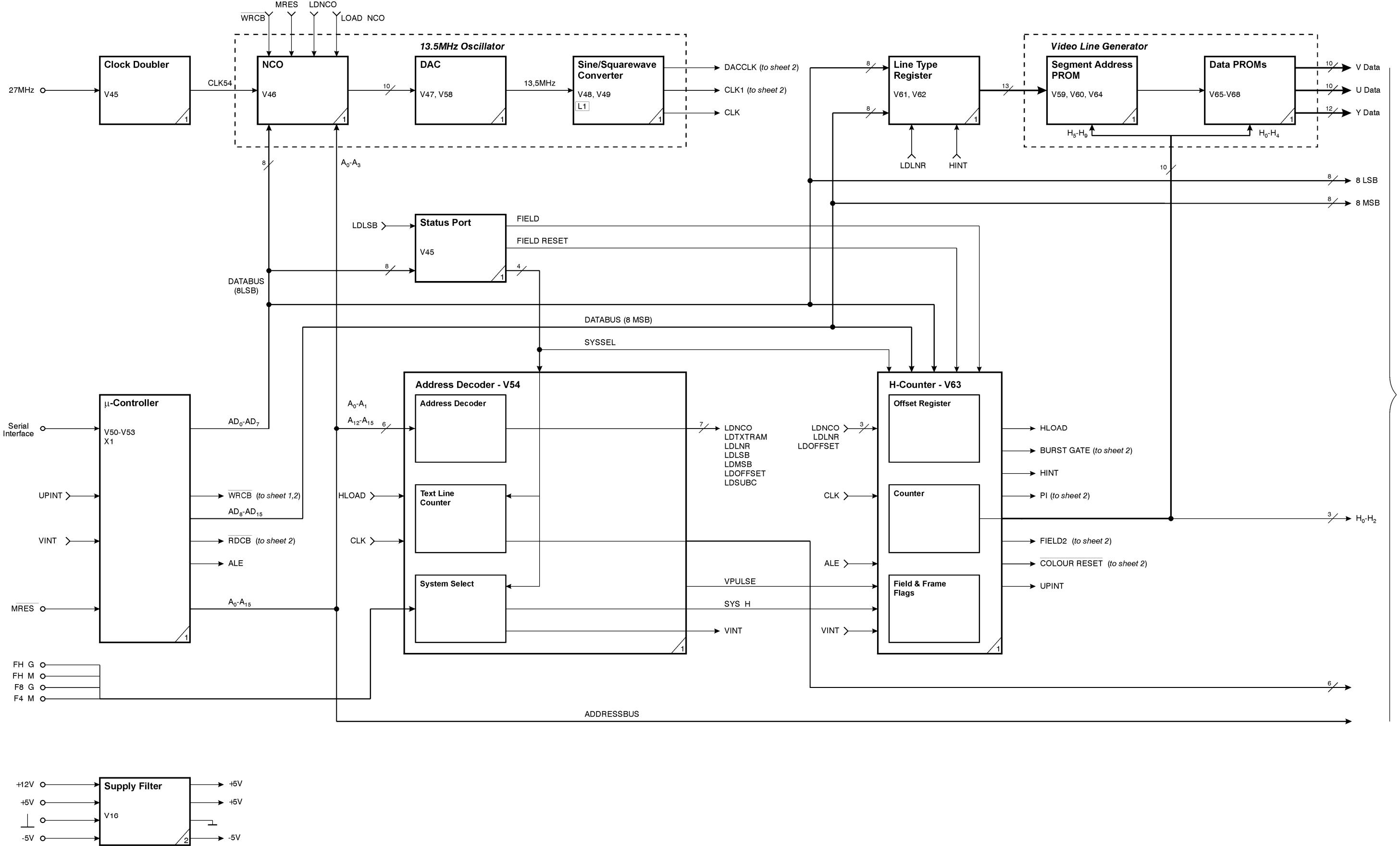


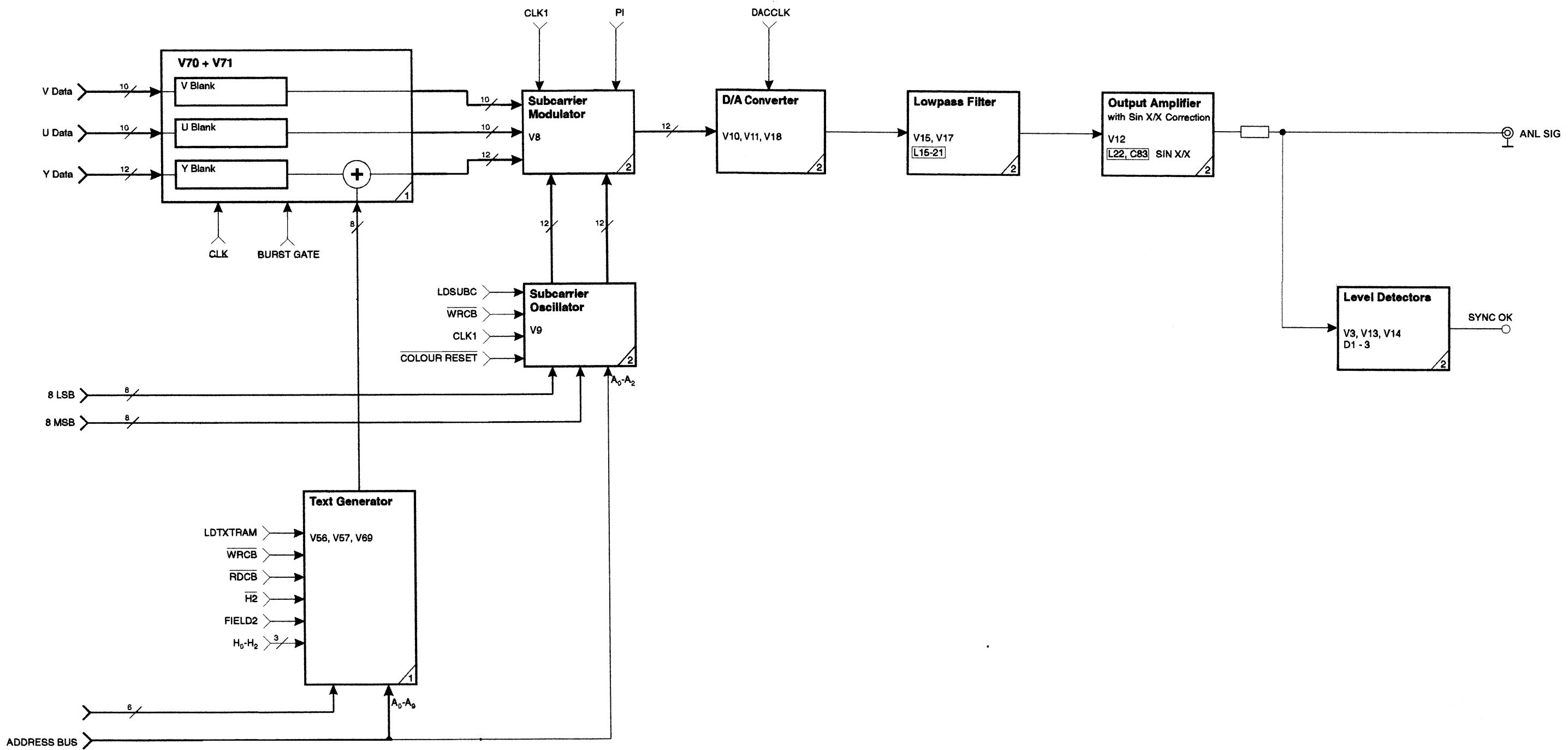


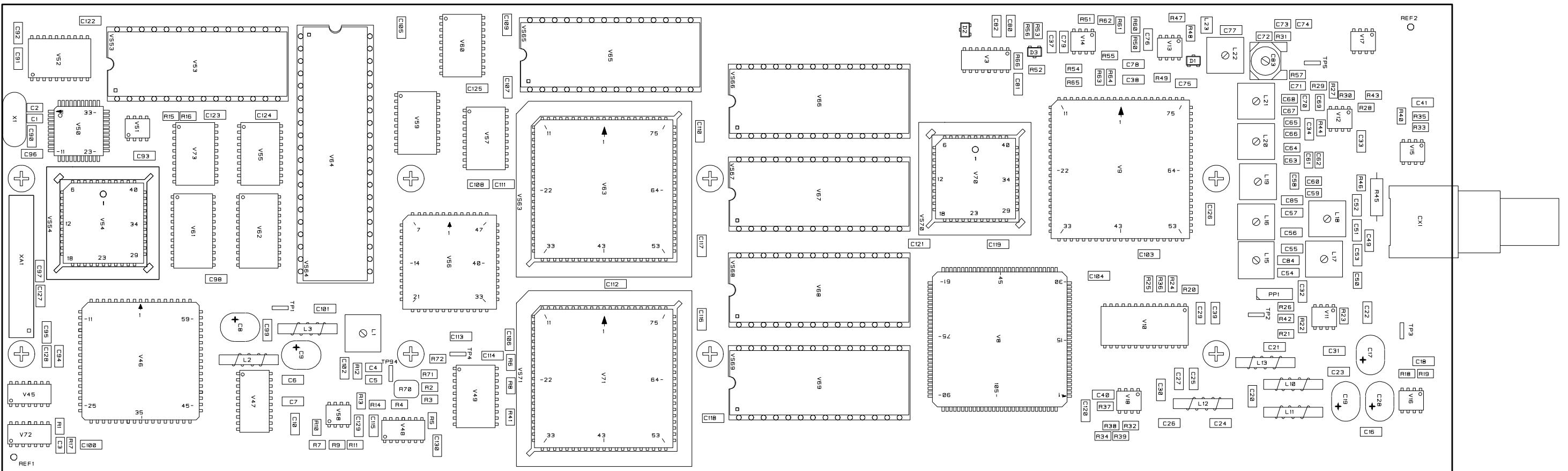


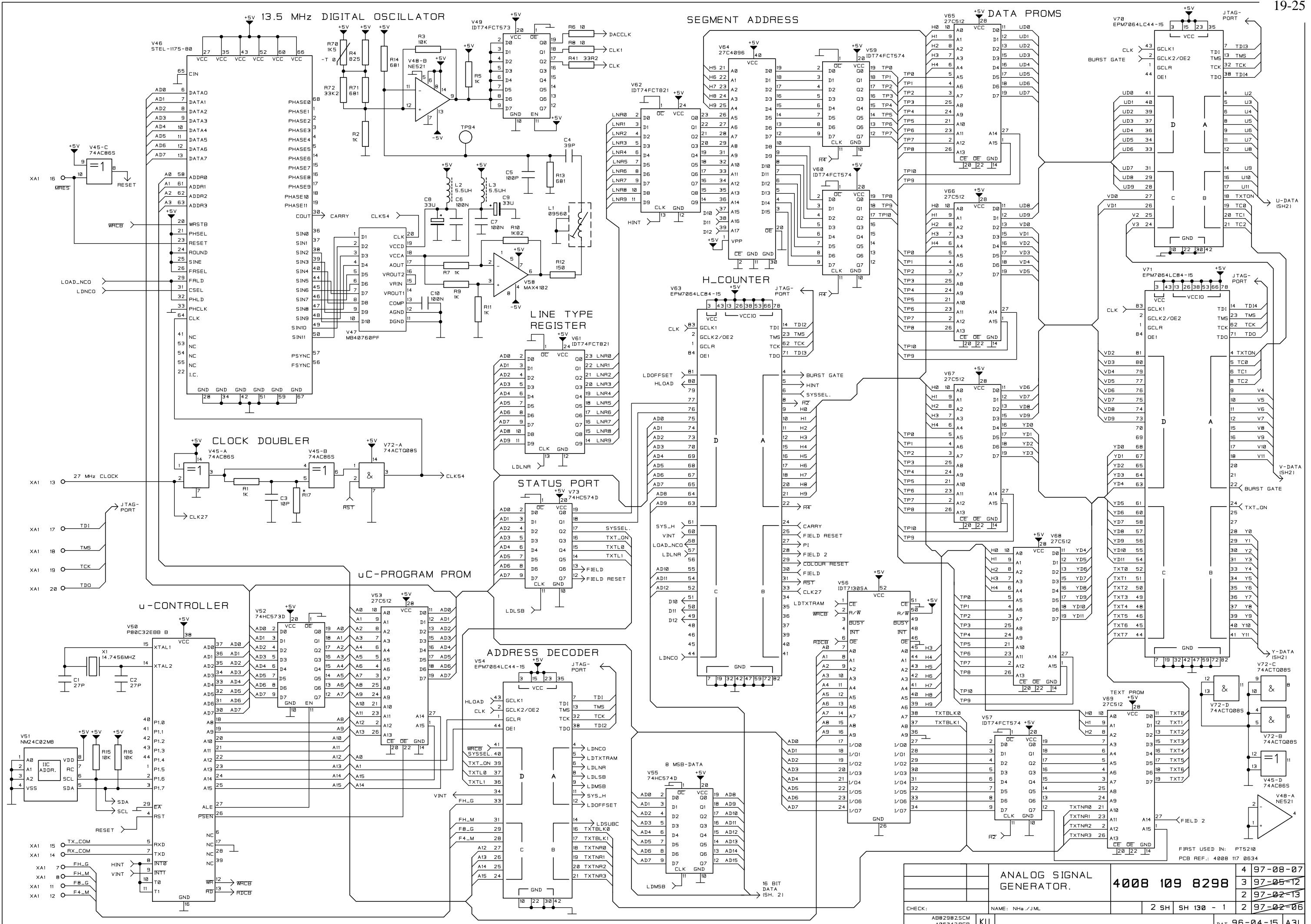
* NOT MOUNTED		1U FRONTPLATE KEYBOARD		4008 109 8313 PT5210 M.B.		1 B6-11-26 1 B7-01-28	
CHECK:		NAME: GBG /CHA /JML		1 SH SH 130 - 1			
A80991.SCM A85941.PCB		KU					
DAT. 96-11-26		A3L					

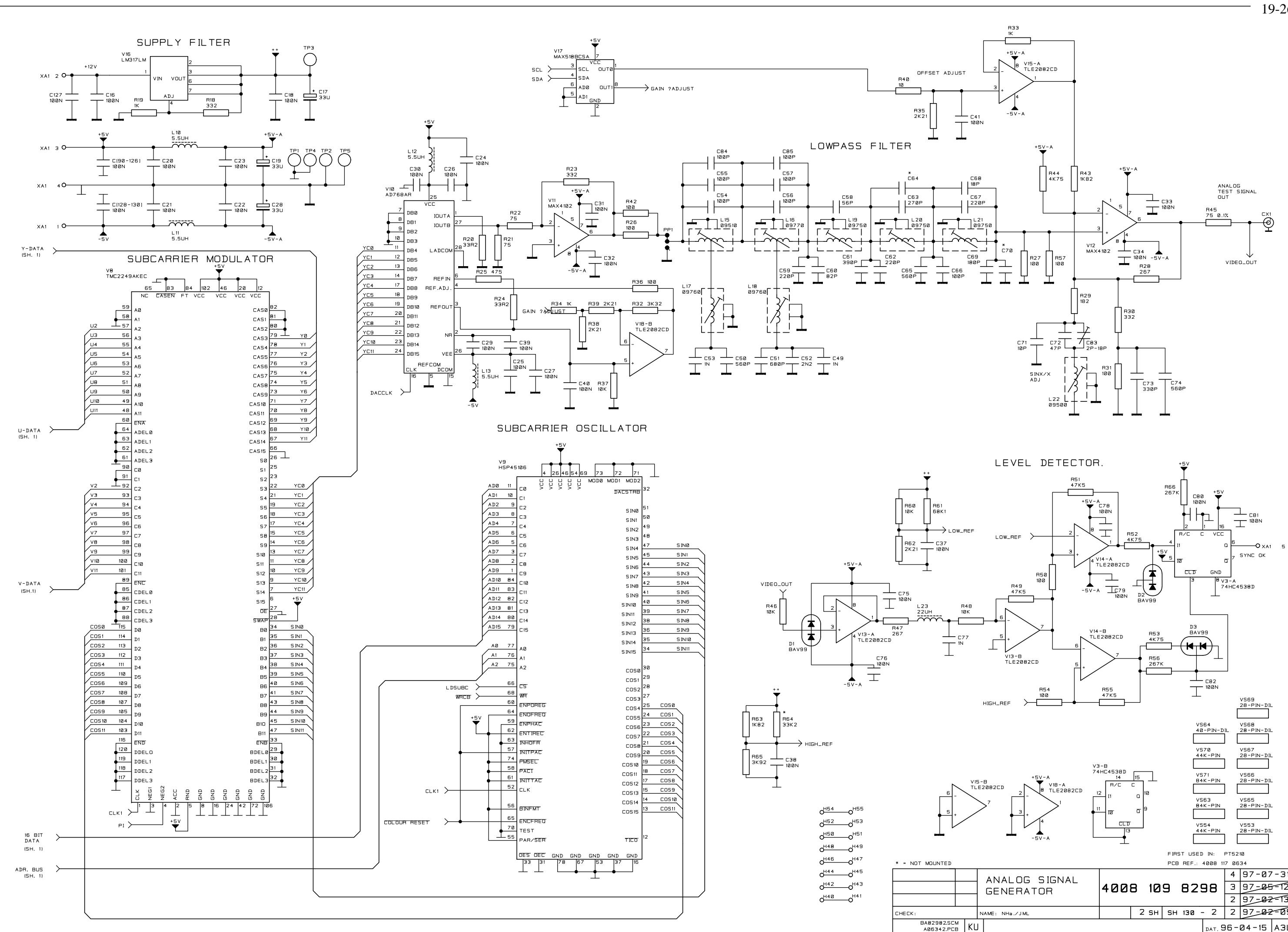


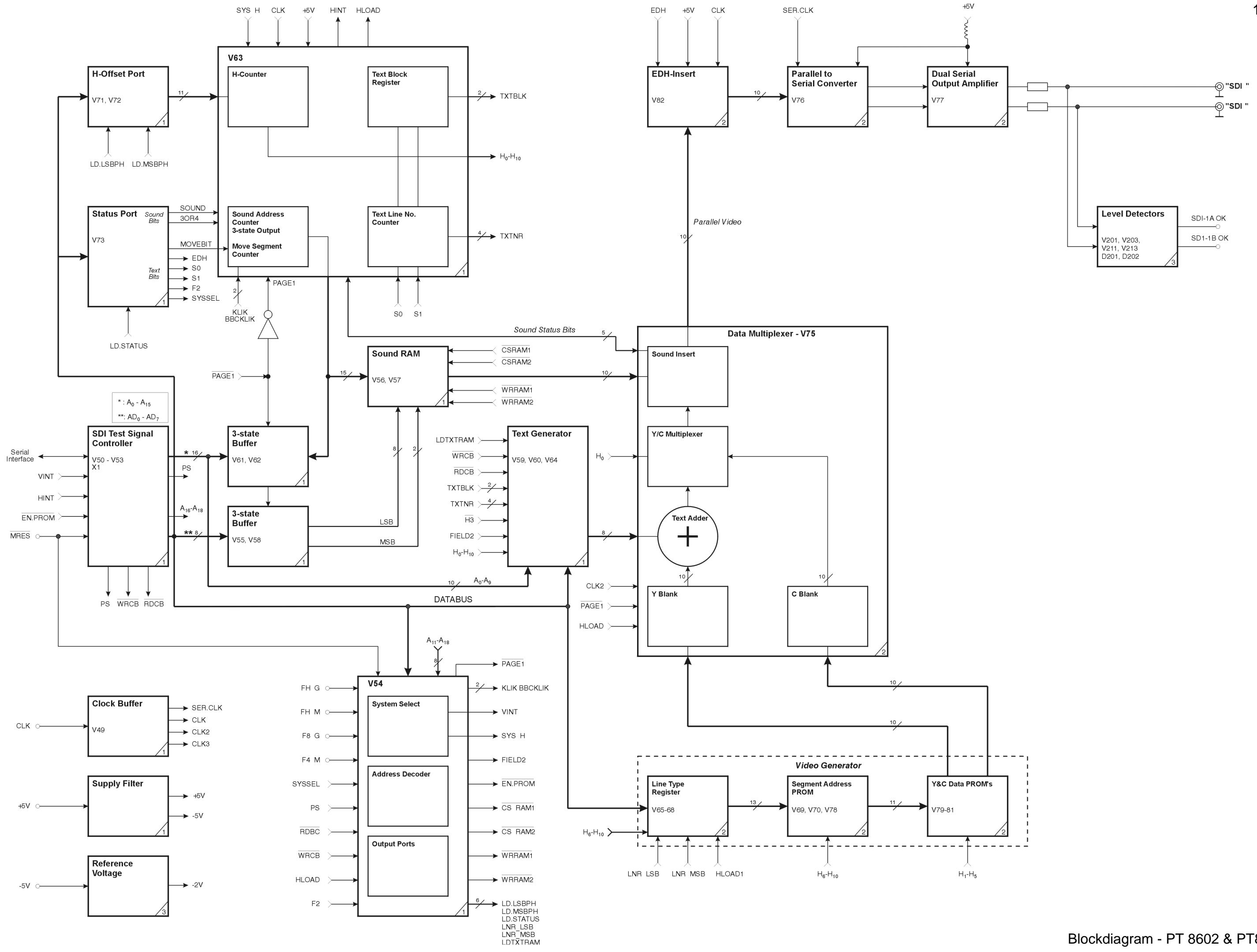


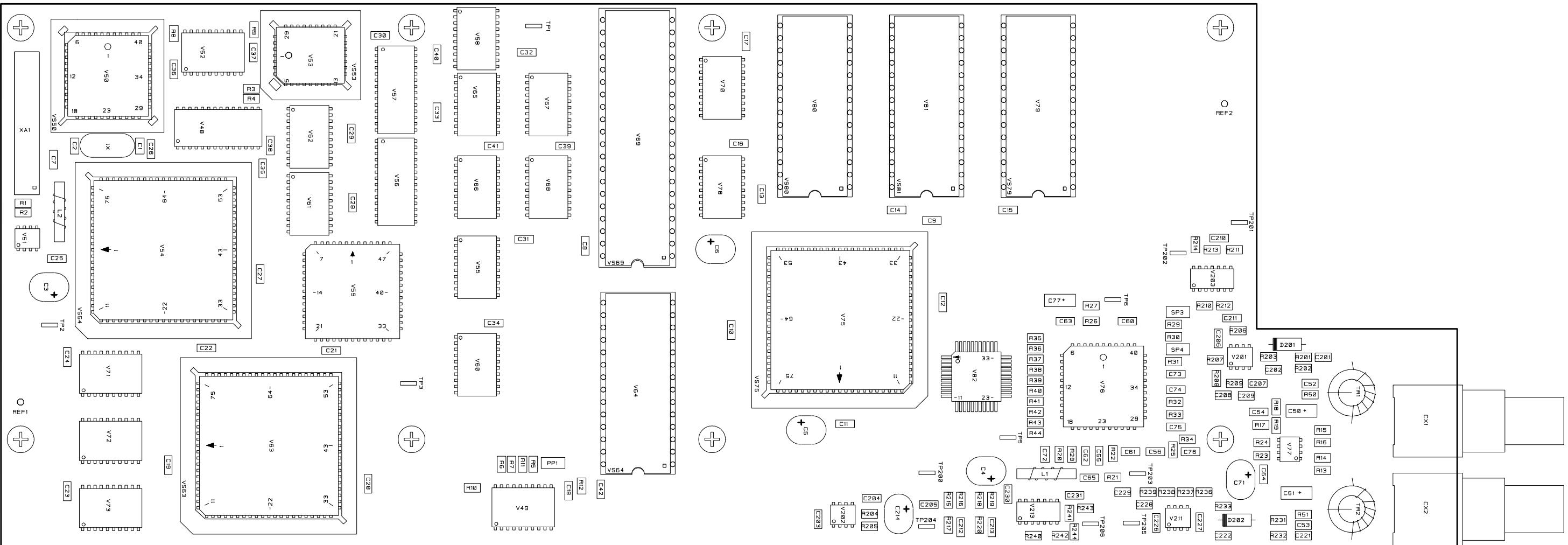


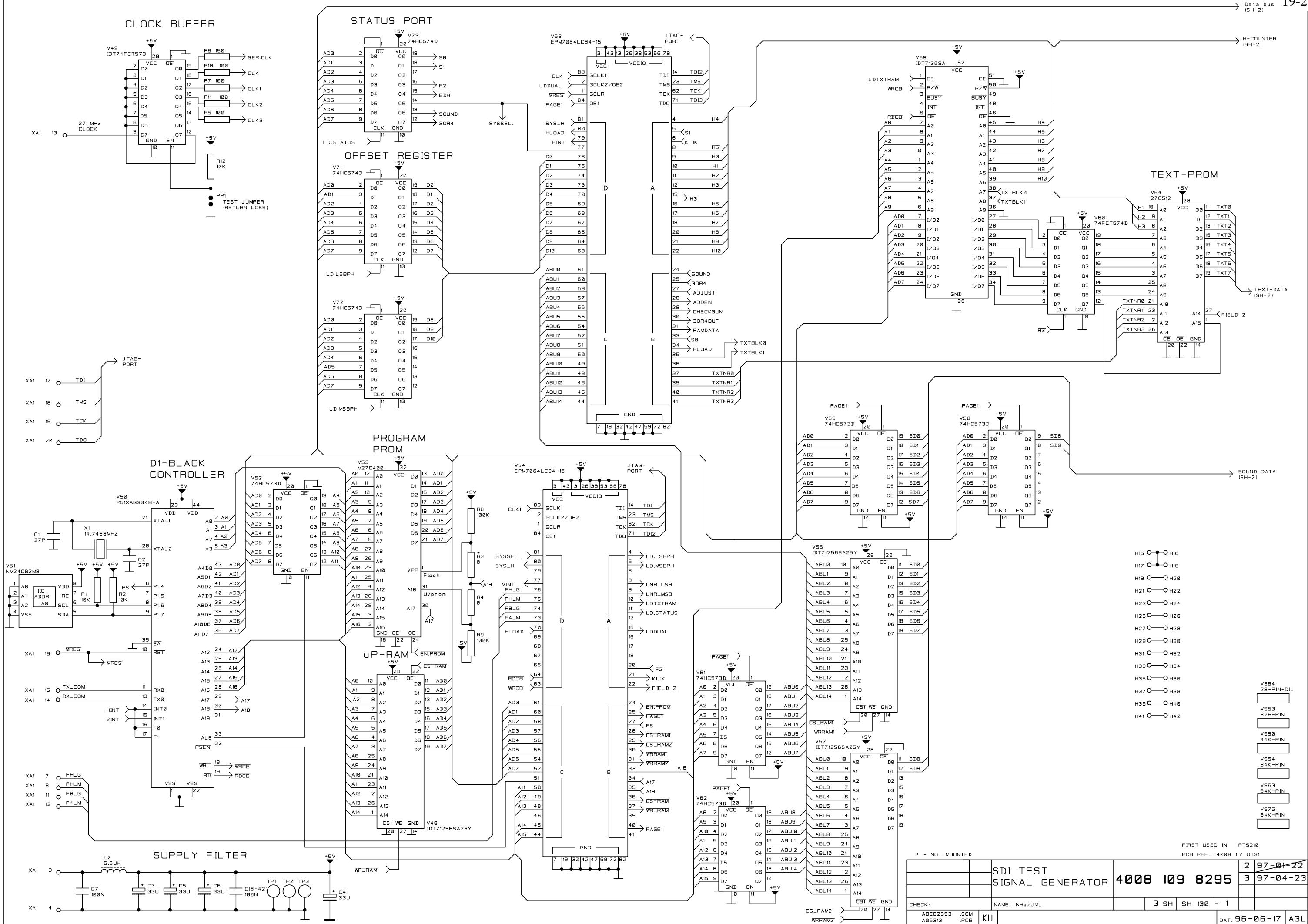


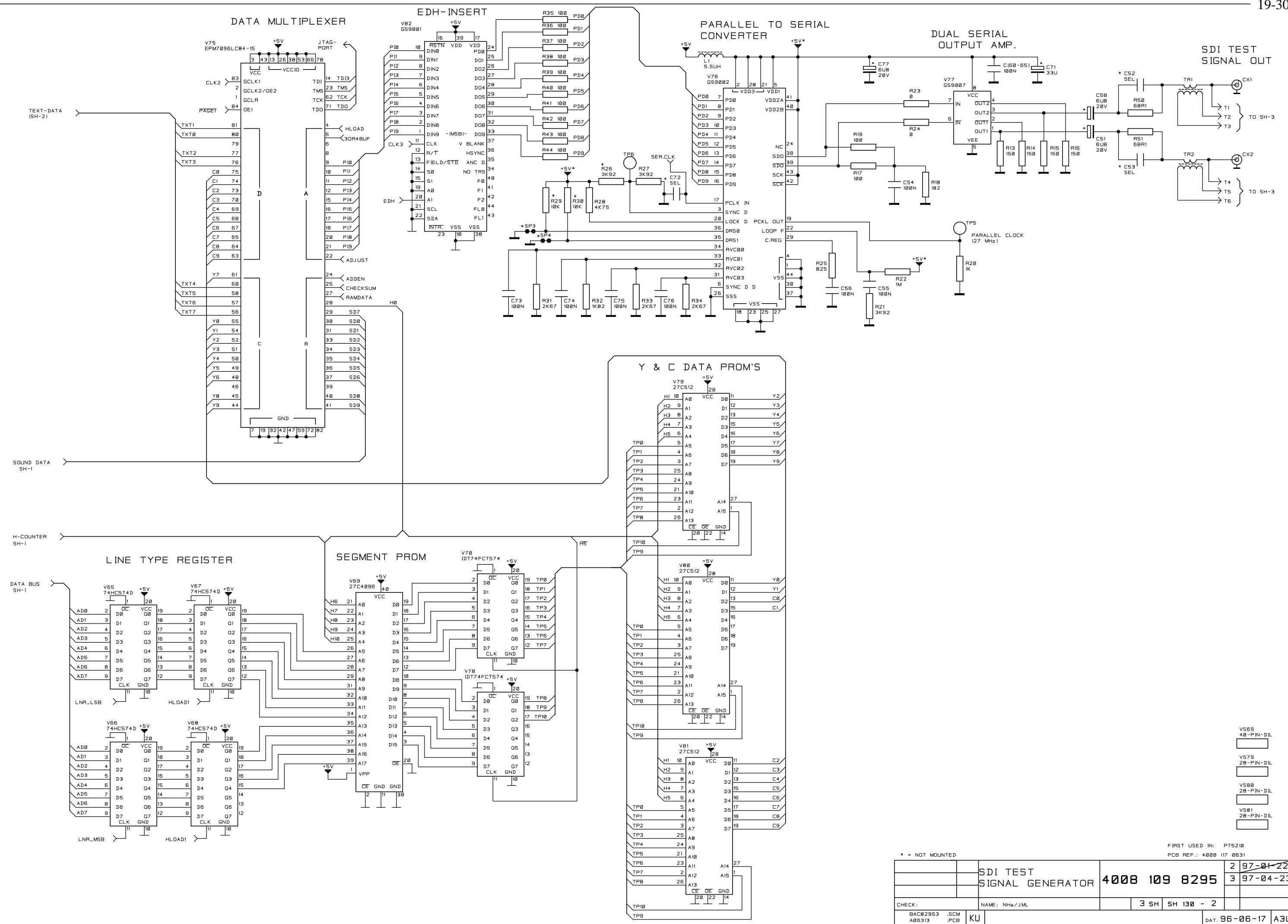


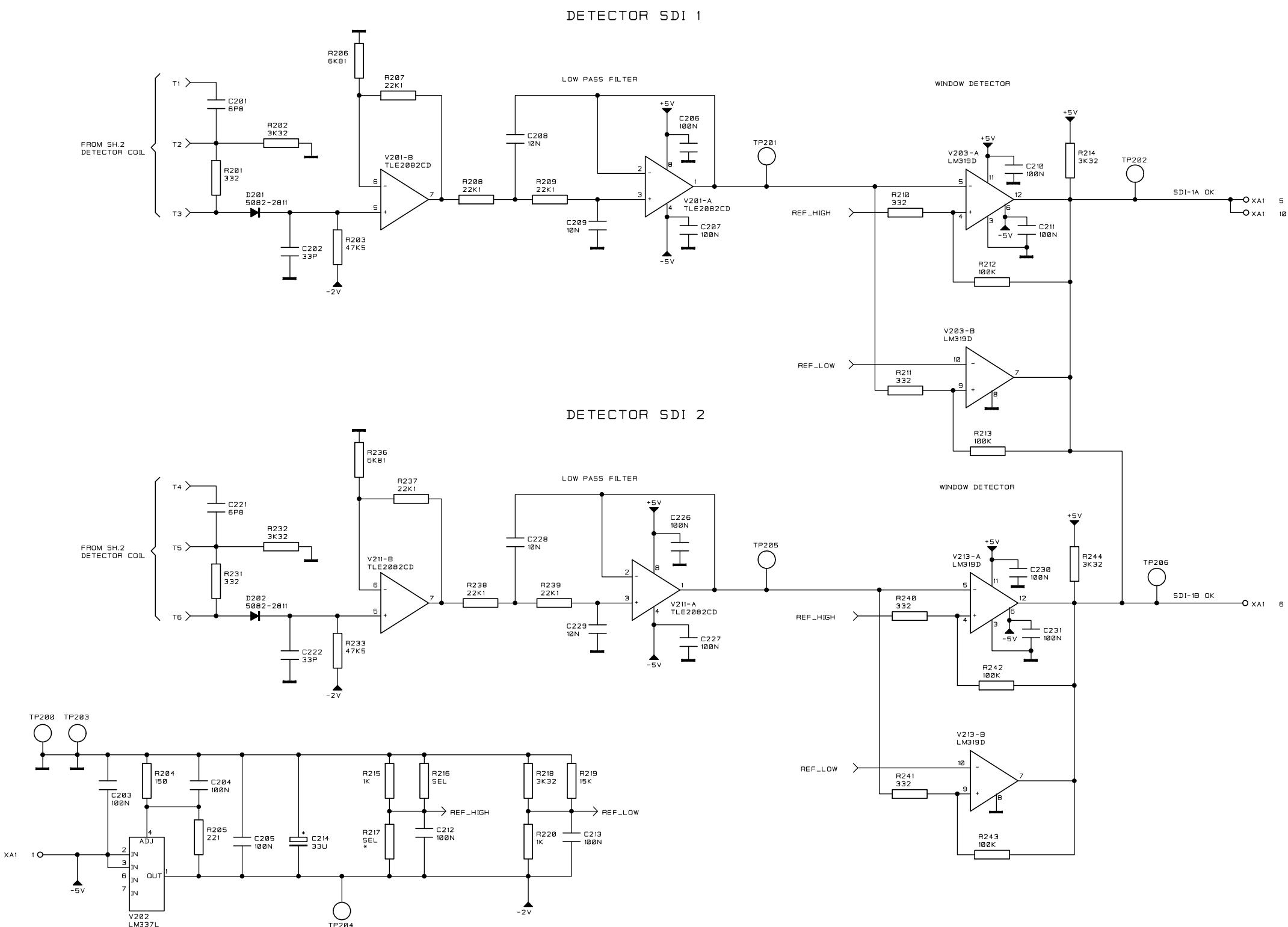








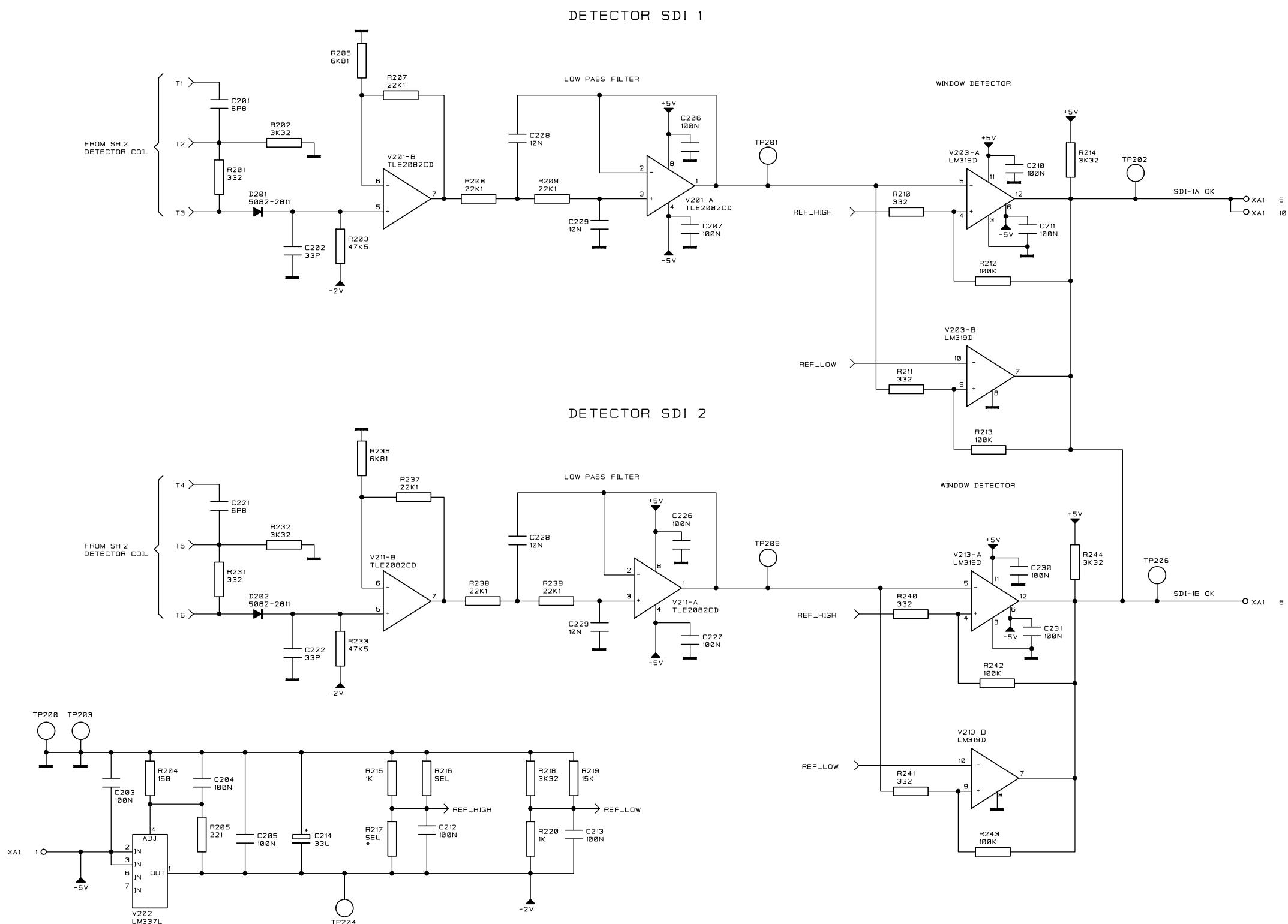




FIRST USED IN: PT5210
PCB REF.: 4008 117 0631

* NOT MOUNTED

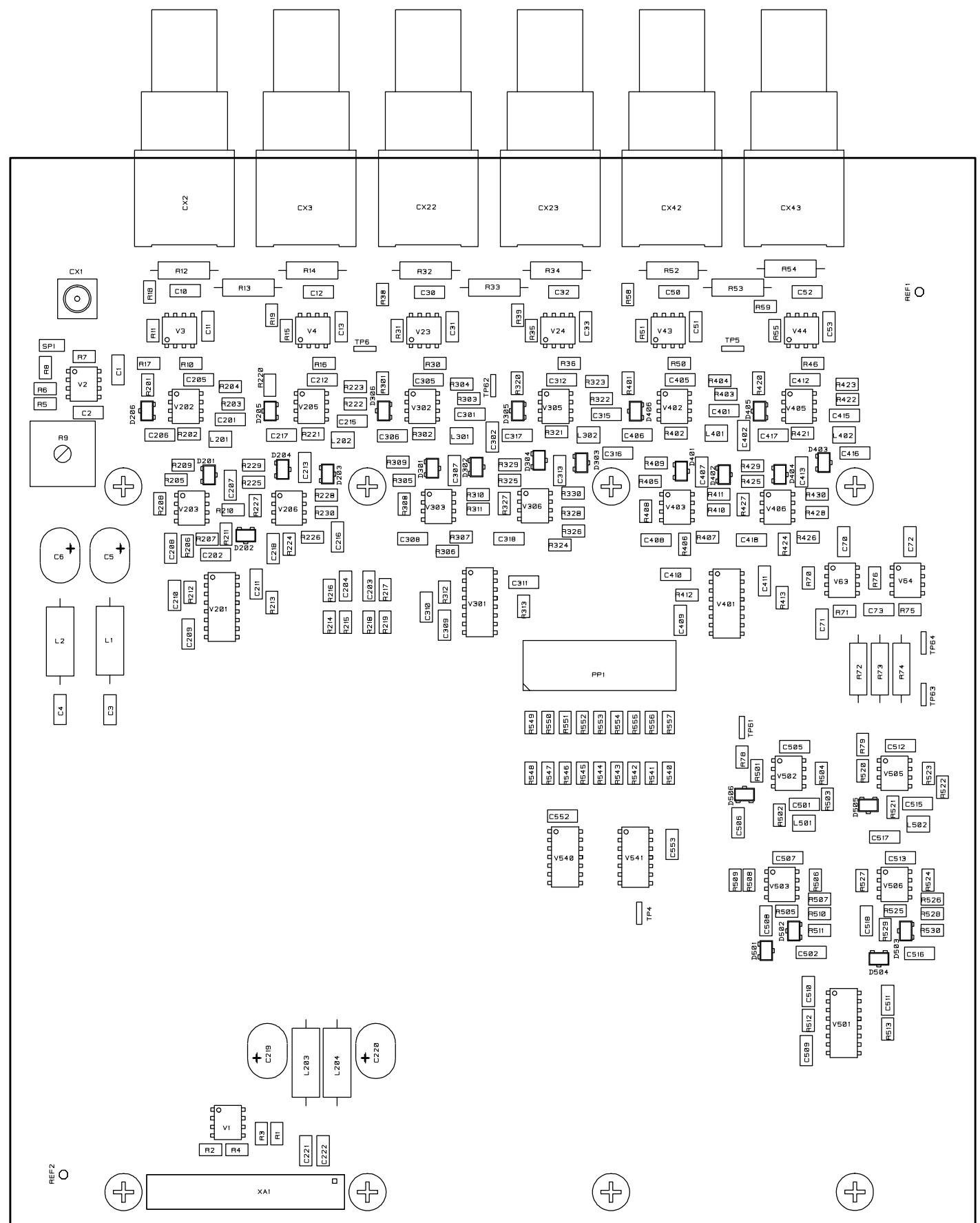
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CHECK:	NAME: PF/JML	3 SH SH 130 - 3	3 97-04-23
BAC82953 .SCM A06313 .PCB	KU		
DAT. 96-04-22	A3L		

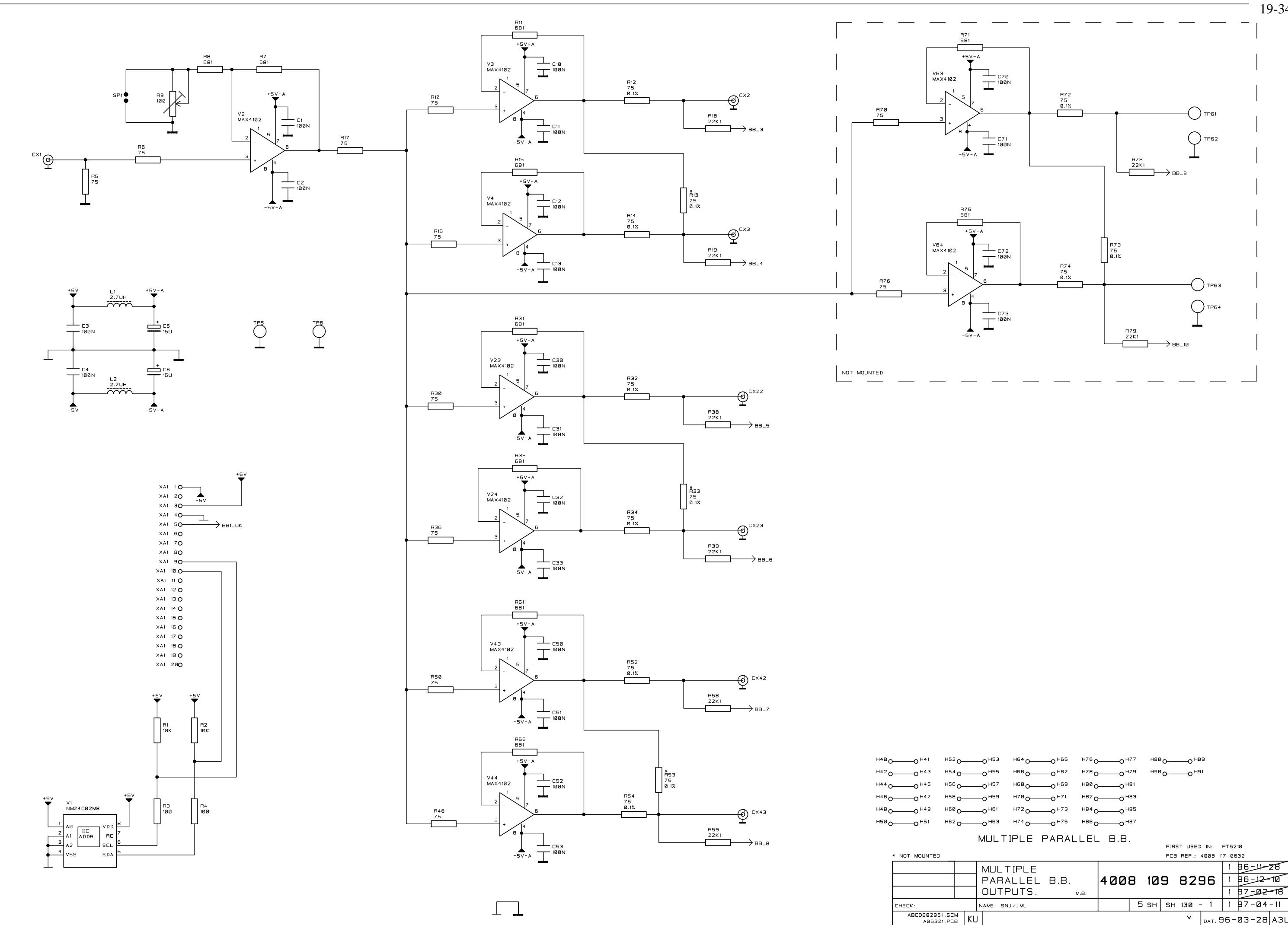


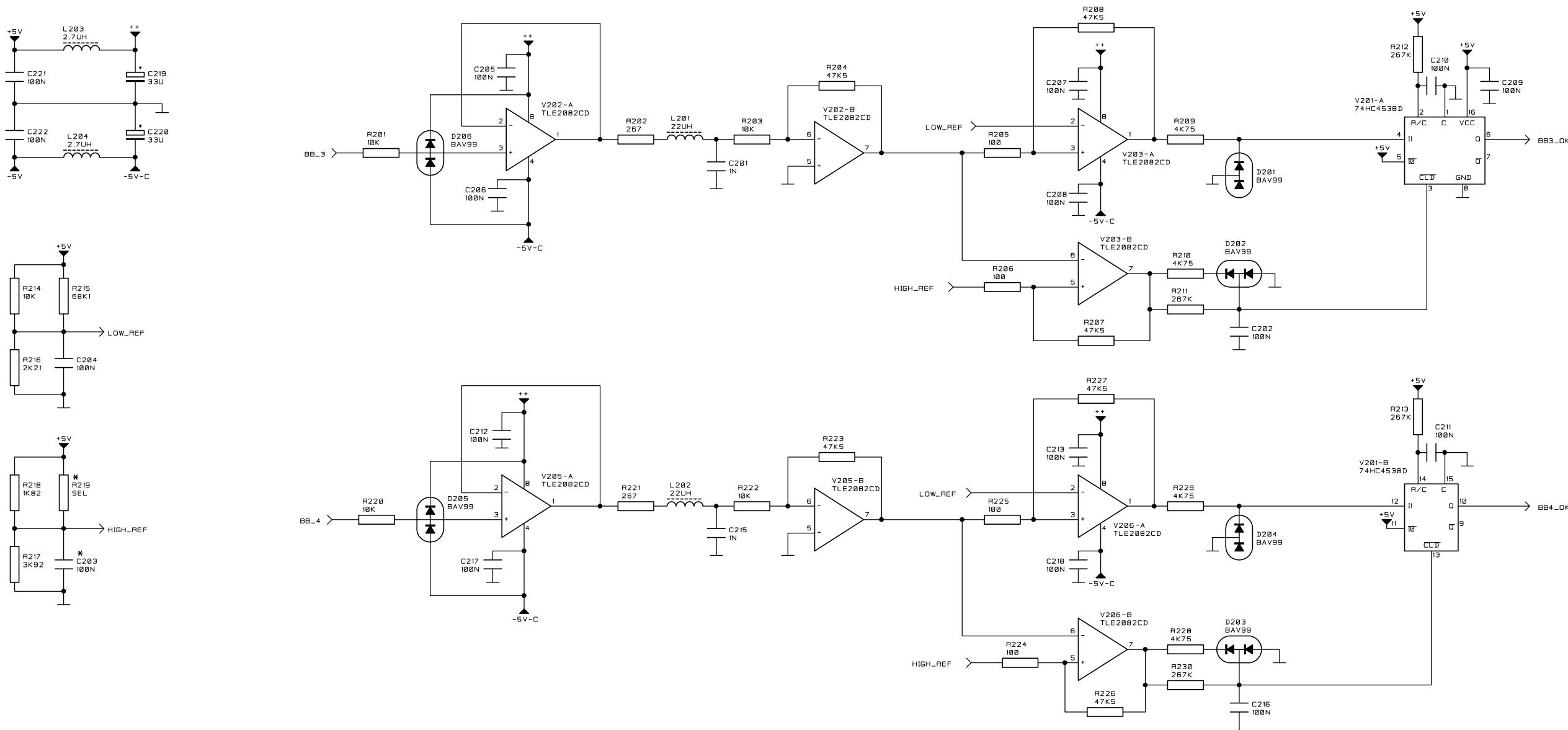
FIRST USED IN: PT5210
PCB REF.: 4008 117 0631

* NOT MOUNTED

	SDI TEST SIGNAL GENERATOR	4008 109 8295	2 97-01-22
CHECK:	NAME: PF/JML	3 SH SH 130 - 3	3 97-04-23
BAC82953 .SCM A06313 .PCB	KU		
DAT. 96-04-22	A3L		

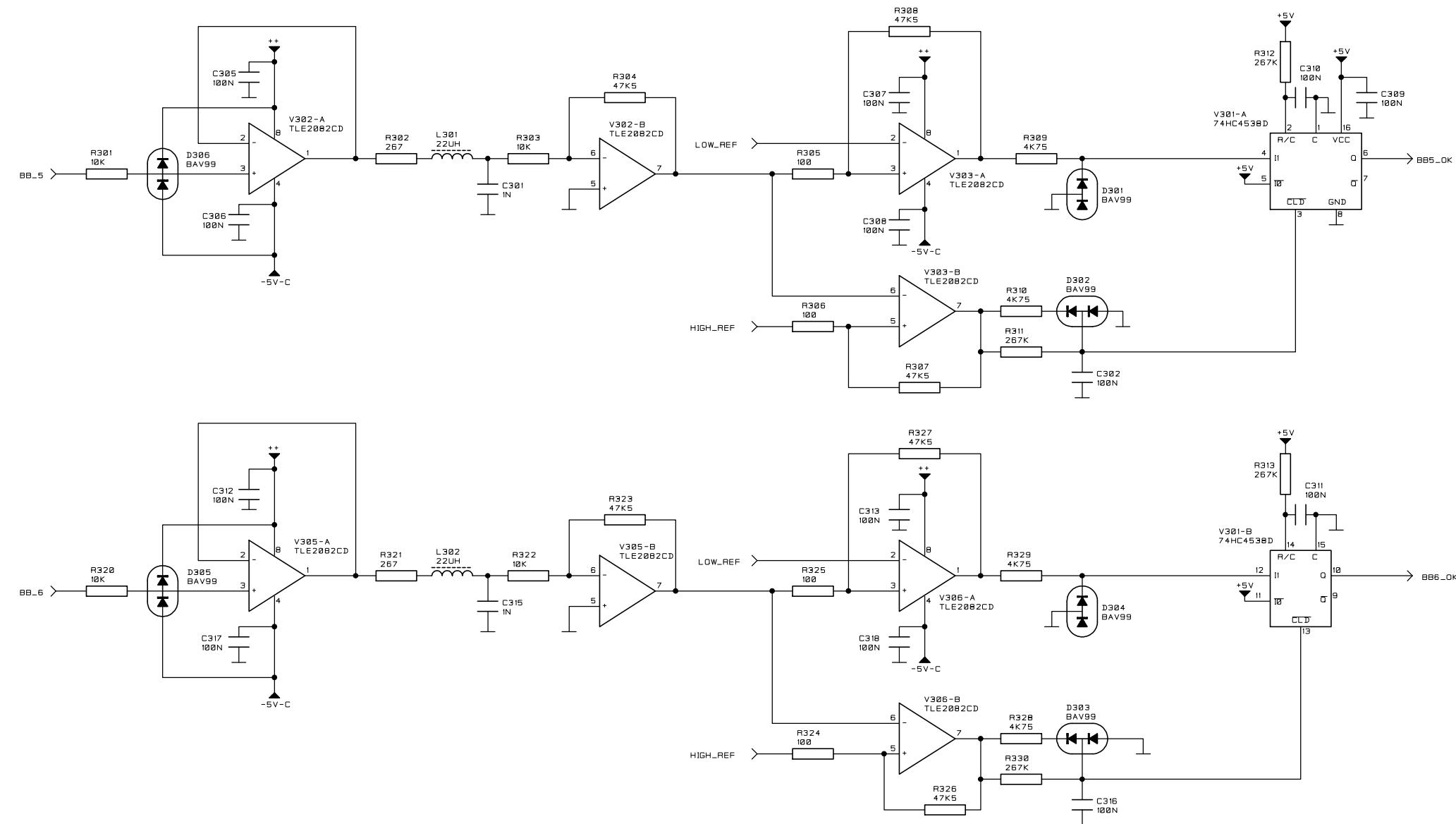






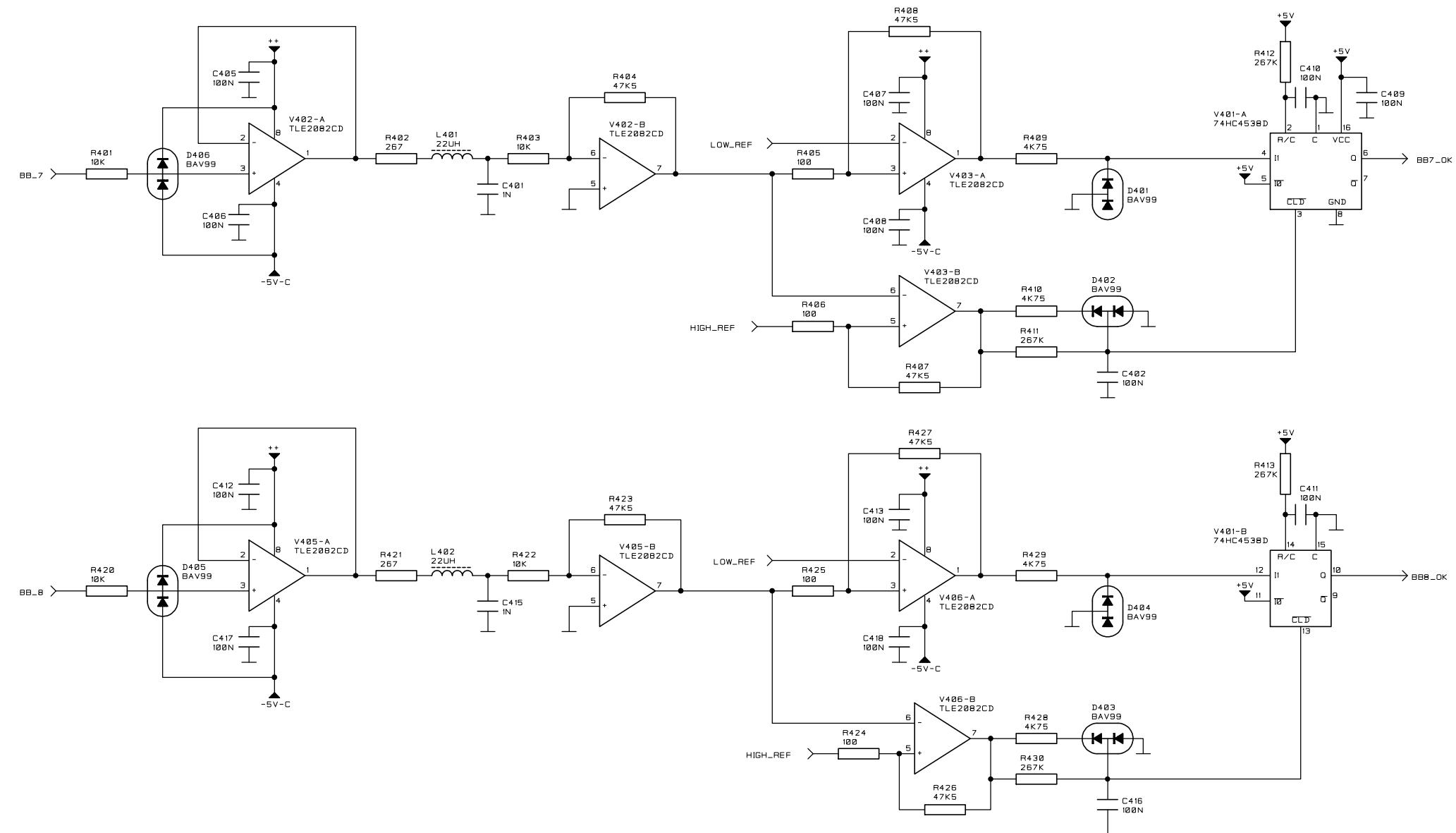
* NOT MOUNTED

	MULTIPLE PARALLEL B.B. OUTPUTS	4008 109 8296	1 96-H-28
CHECK:	NAME: SNJ/JML	5 SH SH 130 - 2	1 96-12-09
BACDEB2961SCM	KU		1 97-02-18
A06321.PCB			1 97-04-11
DAT. 96-09-15 A3L			



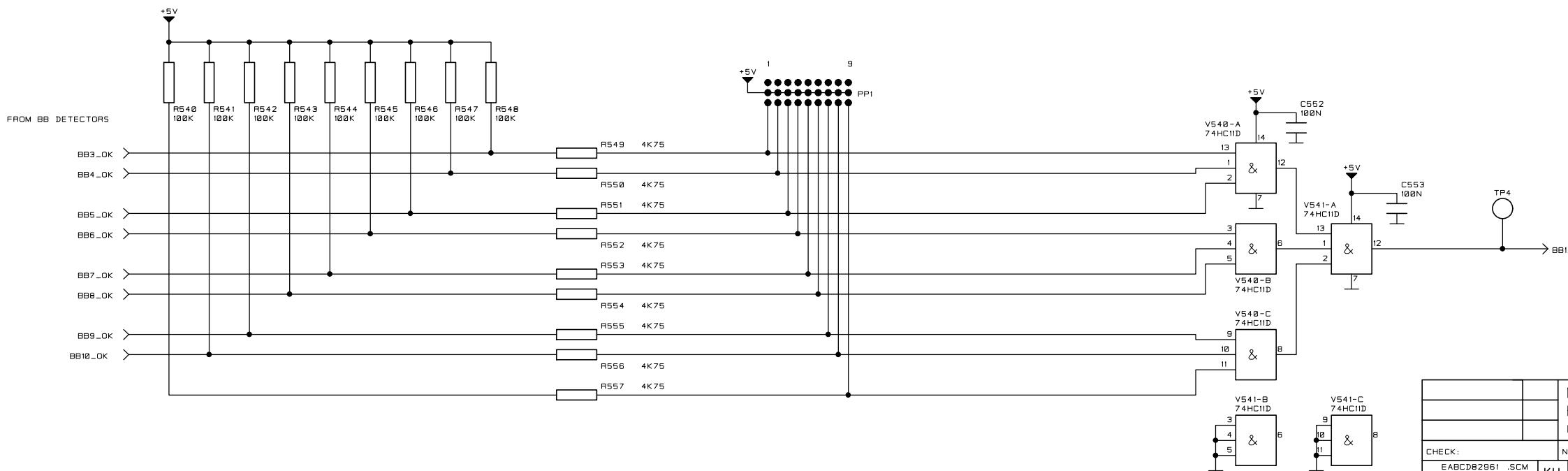
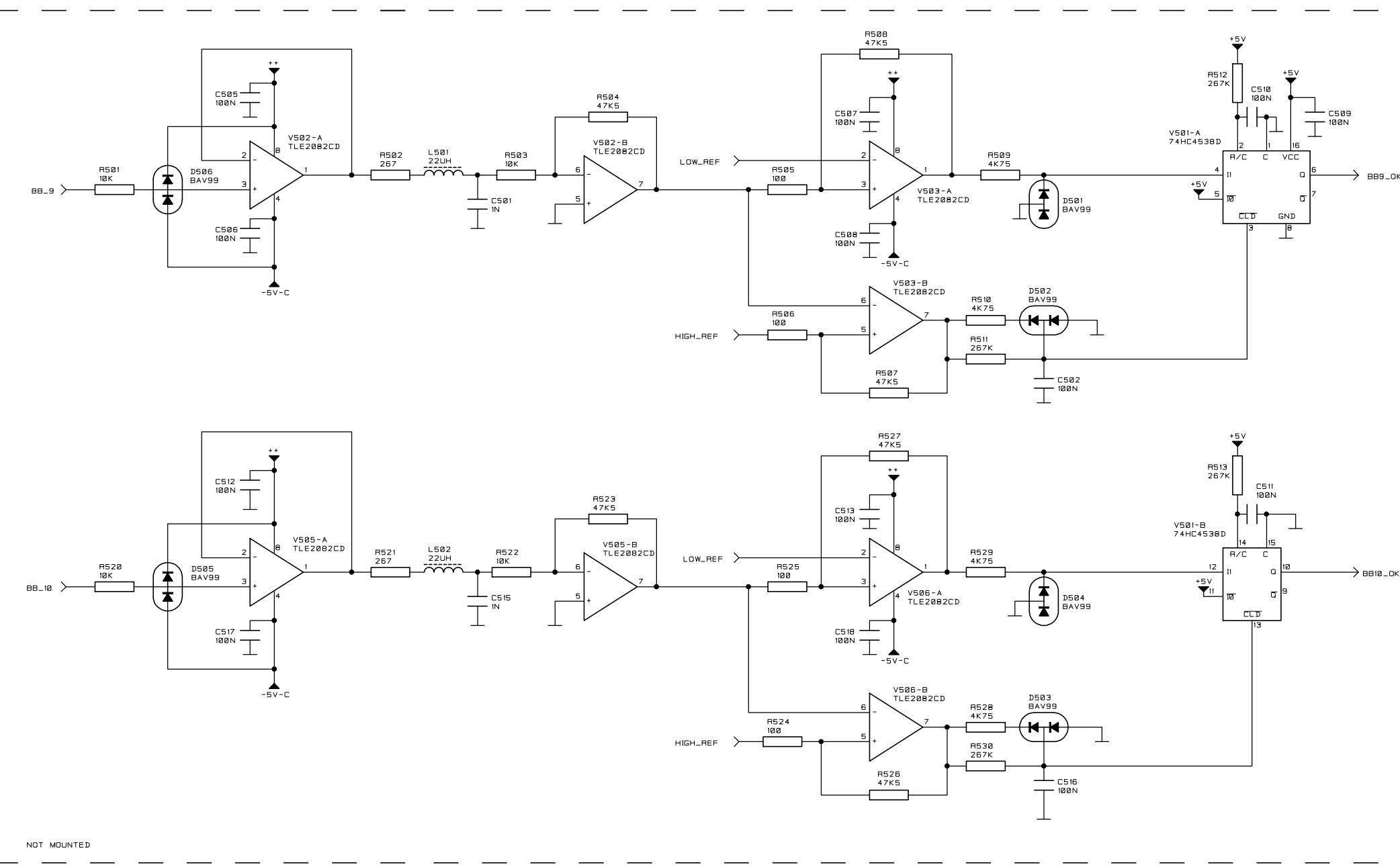
FIRST USED IN: PT5210
PCB REF.: 4008 117 0632

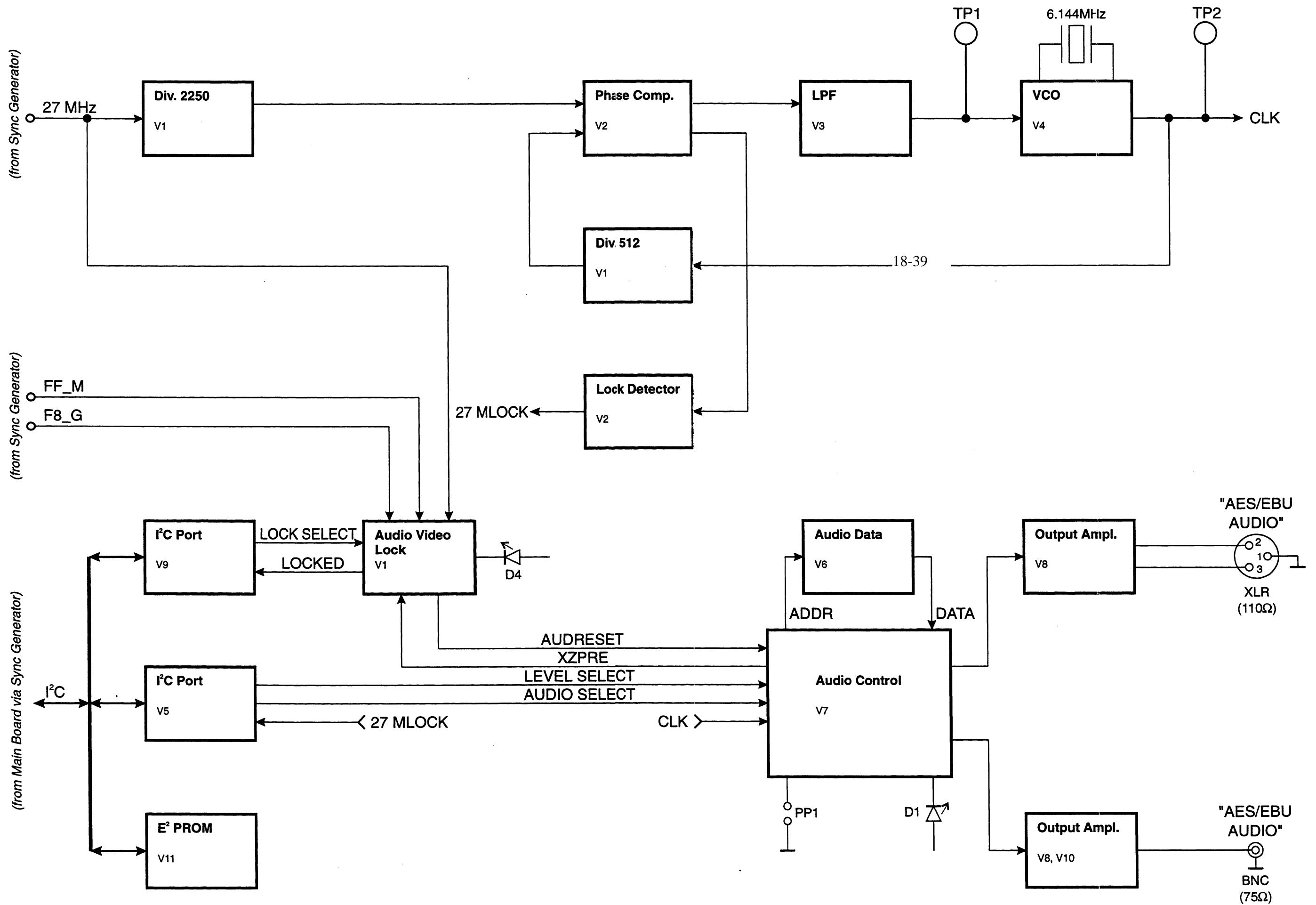
	MULTIPLE PARALLEL B.B OUTPUTS	4008 109 8296	1 96-11-28
			1 96-12-09
			1 97-04-11
CHECK:	NAME: SNJ/JML	4 SH SH 130 - 3	
	CDAB8293I.SCM A06291.PCB	KU	
			DAT. 96-09-15 A3L

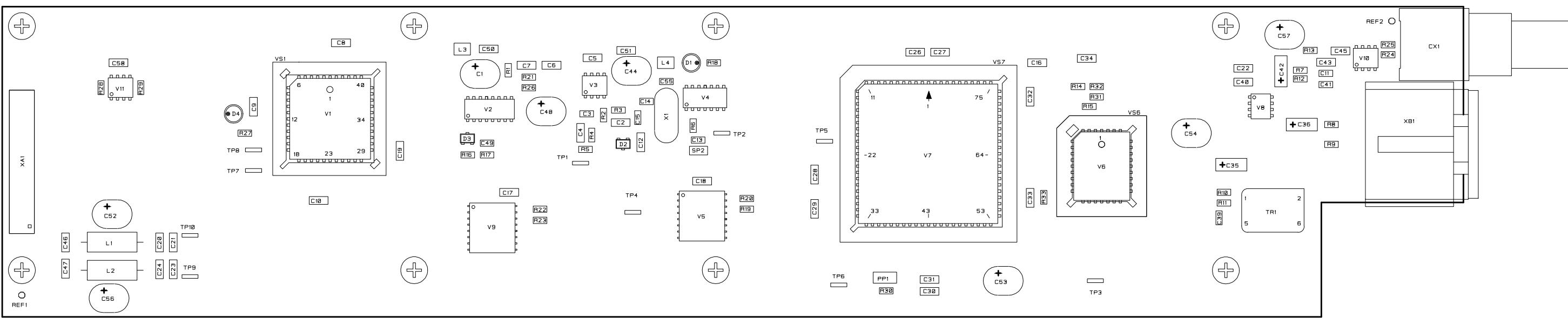


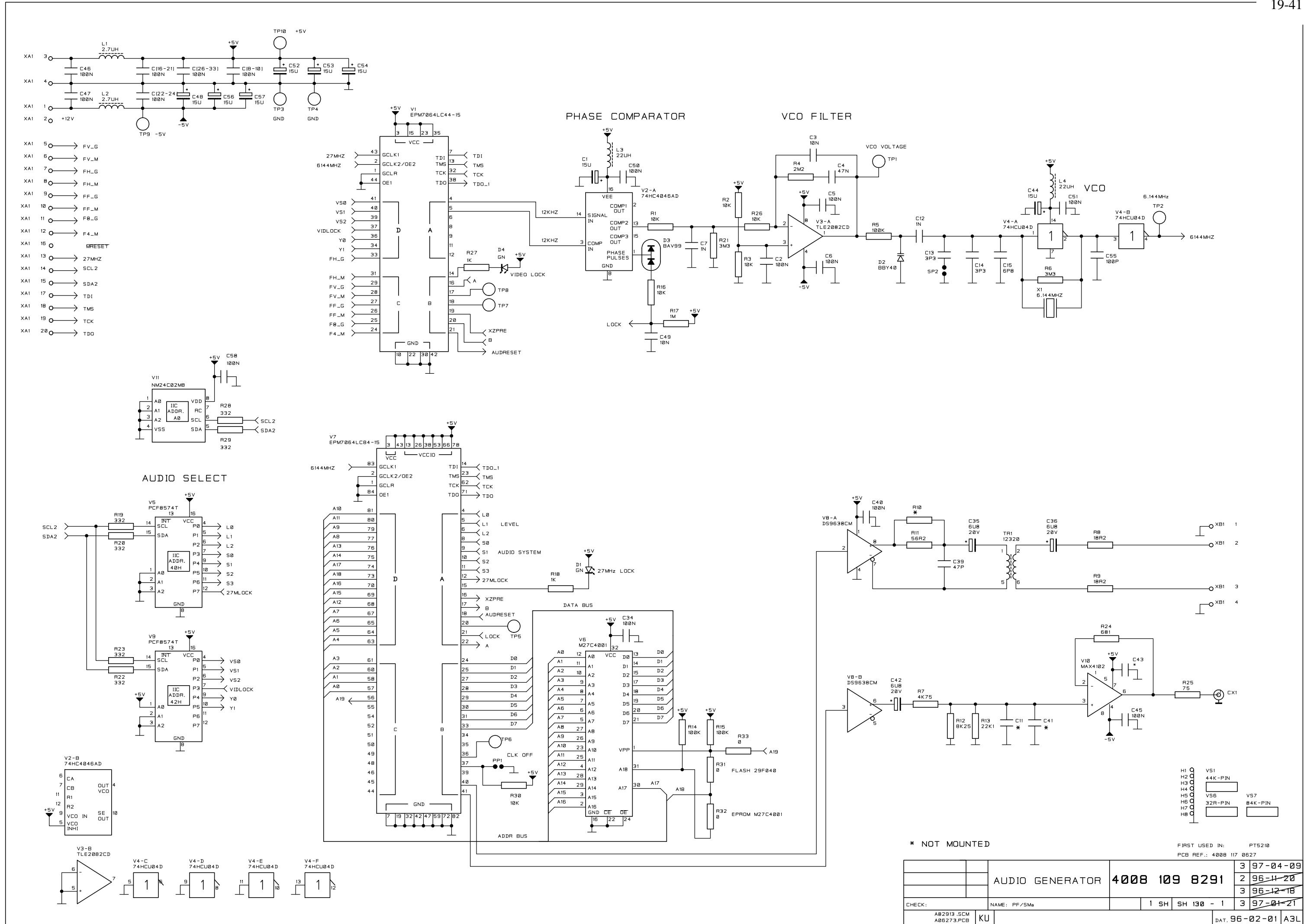
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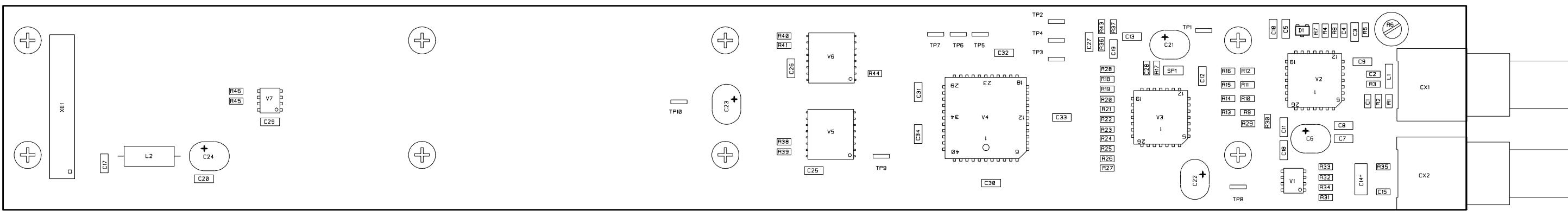
	MULTIPLE PARALLEL B.B. OUTPUT	4008 109 8296	1 96-11-28
			1 96-12-09
			1 97-04-11
CHECK:	NAME: SNJ/JML	5 SH SH 130 - 4	
	DEABC82931SCM A06321.PCB	KU	DAT. 96-09-15 A3L

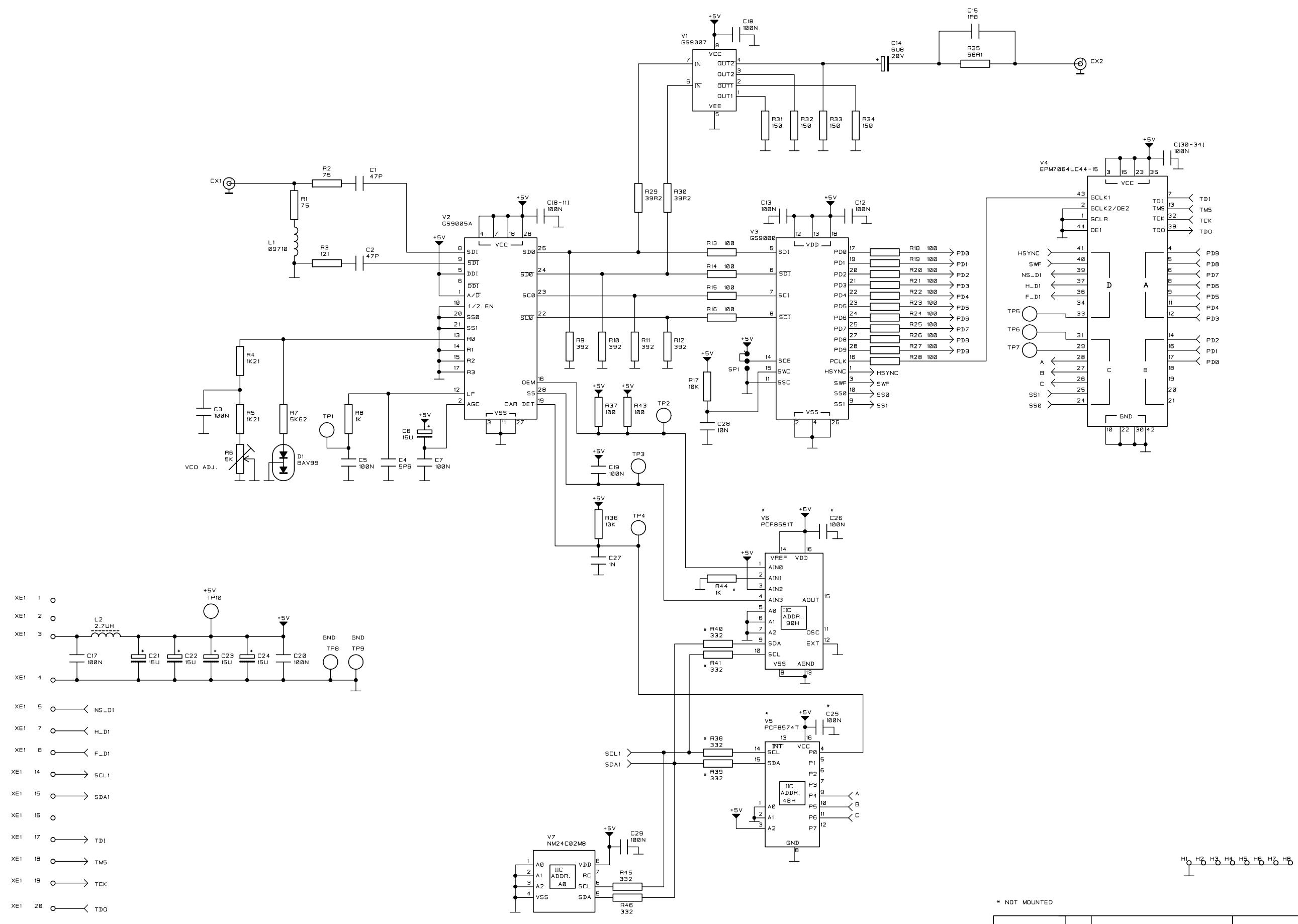


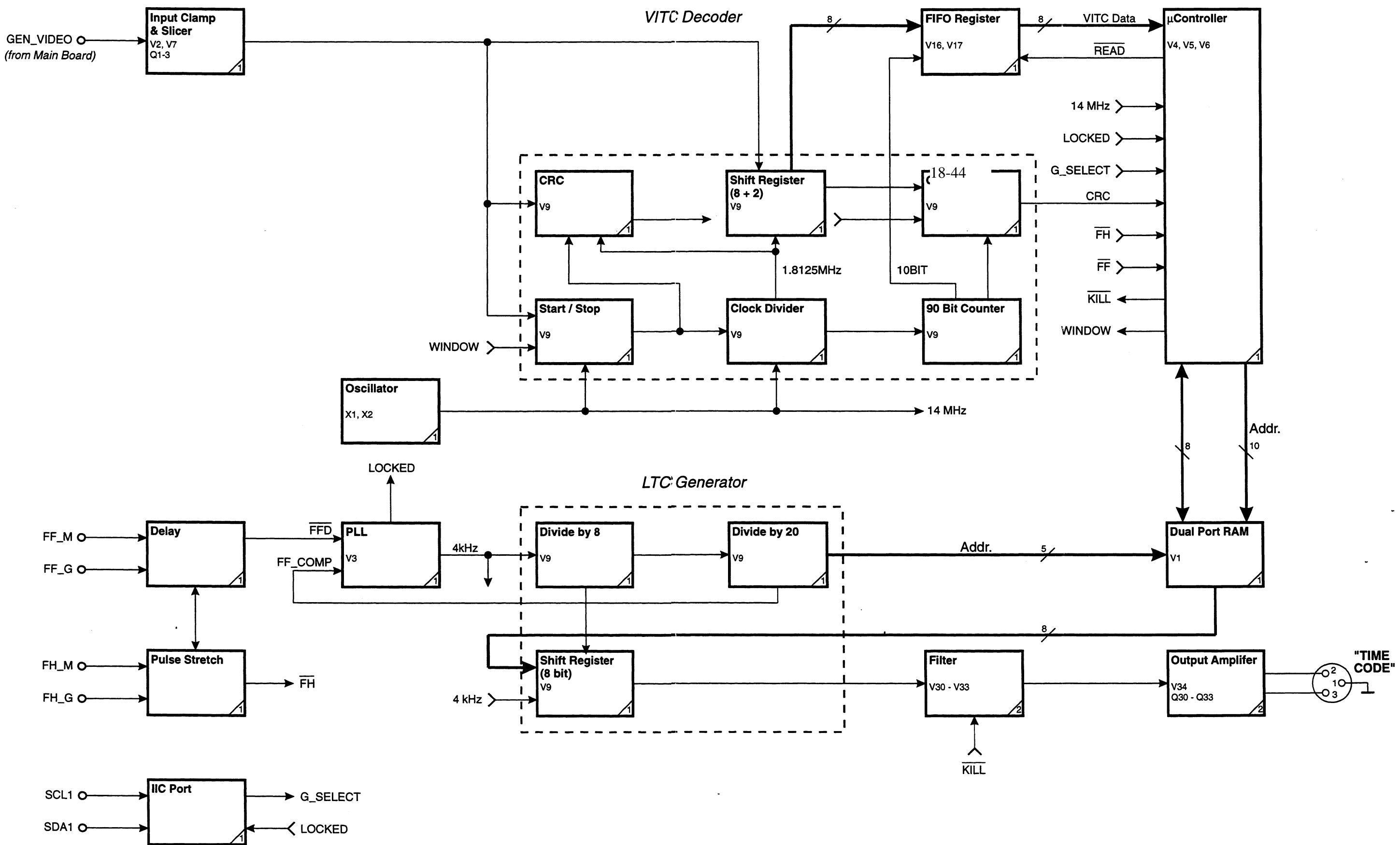


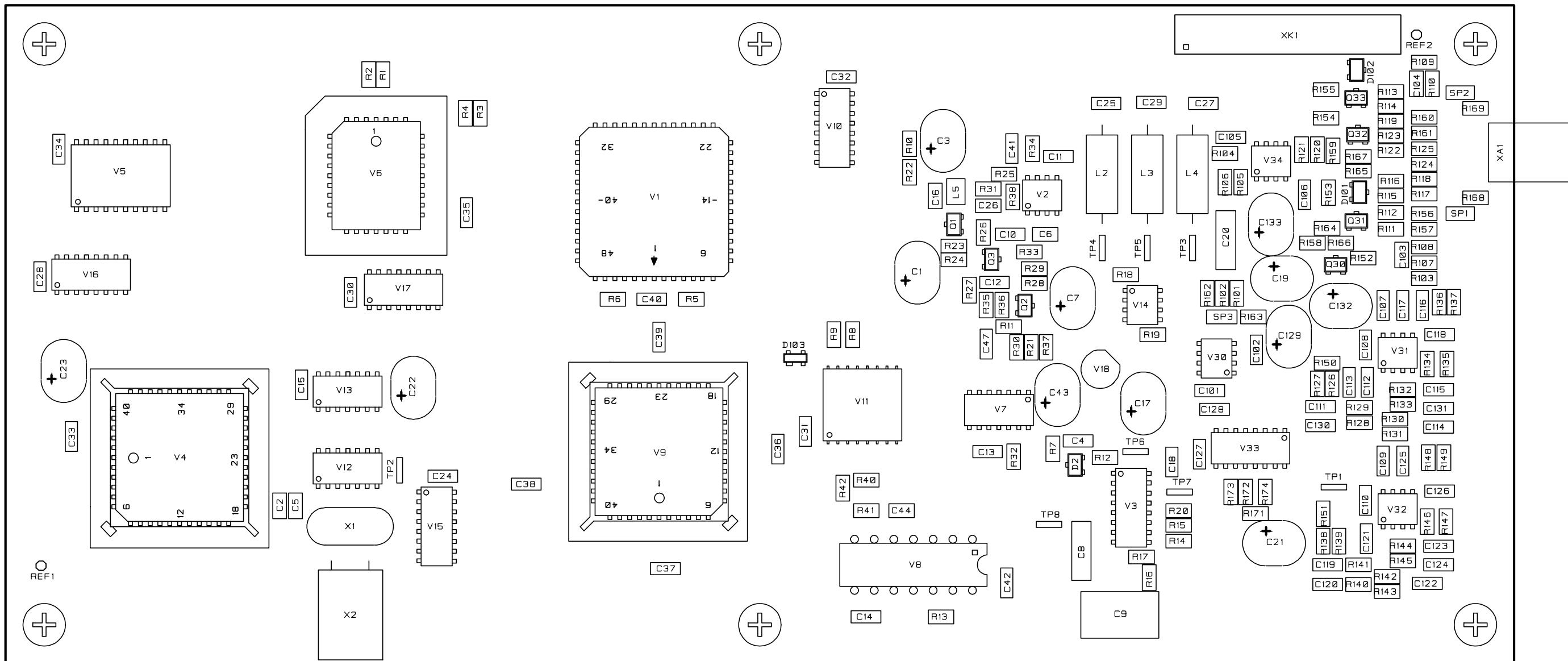


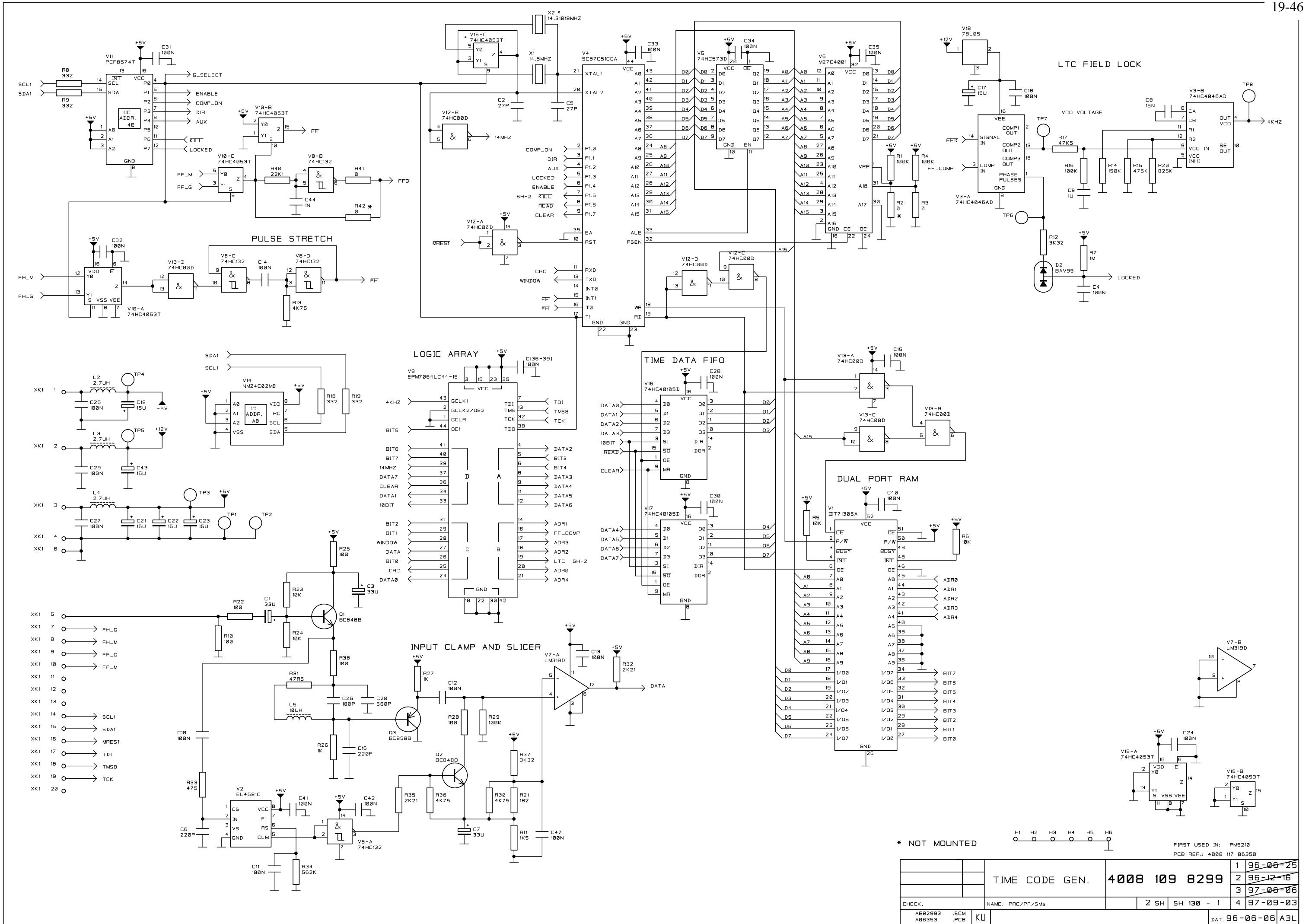


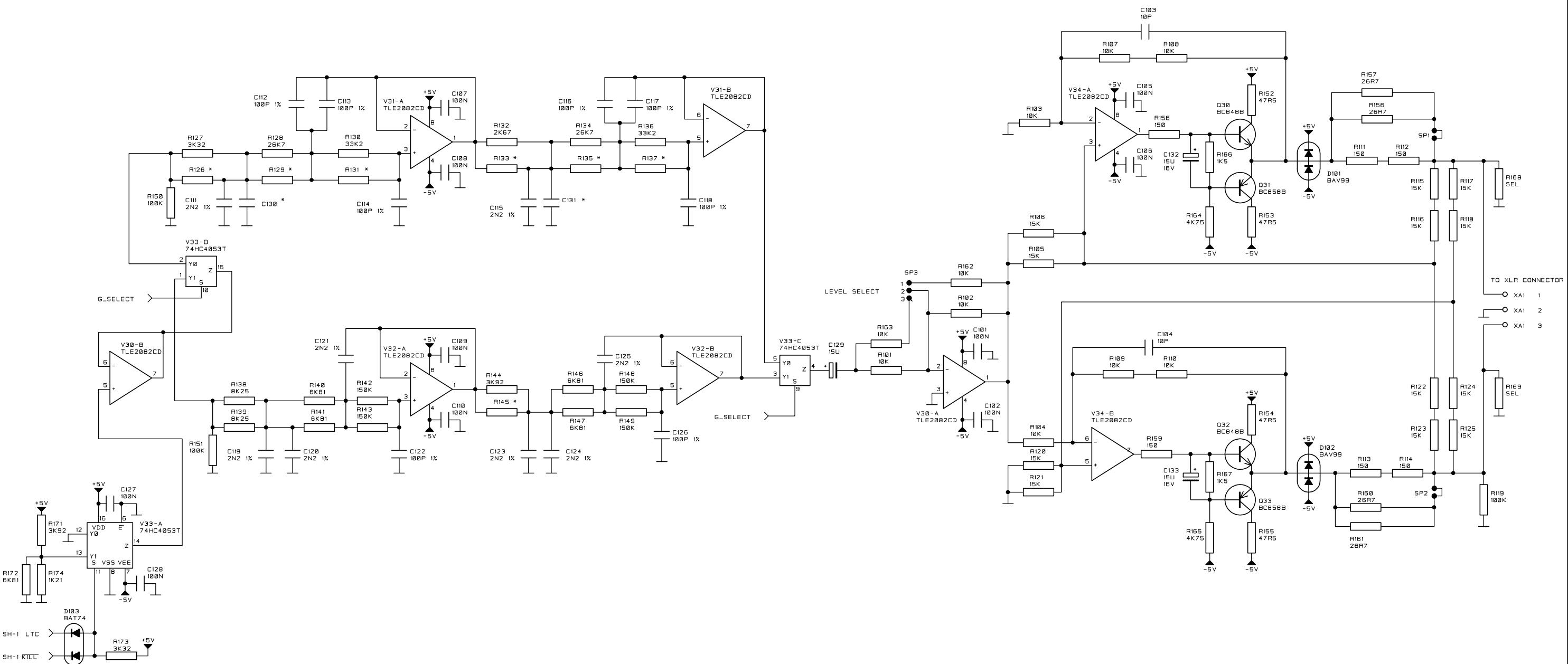








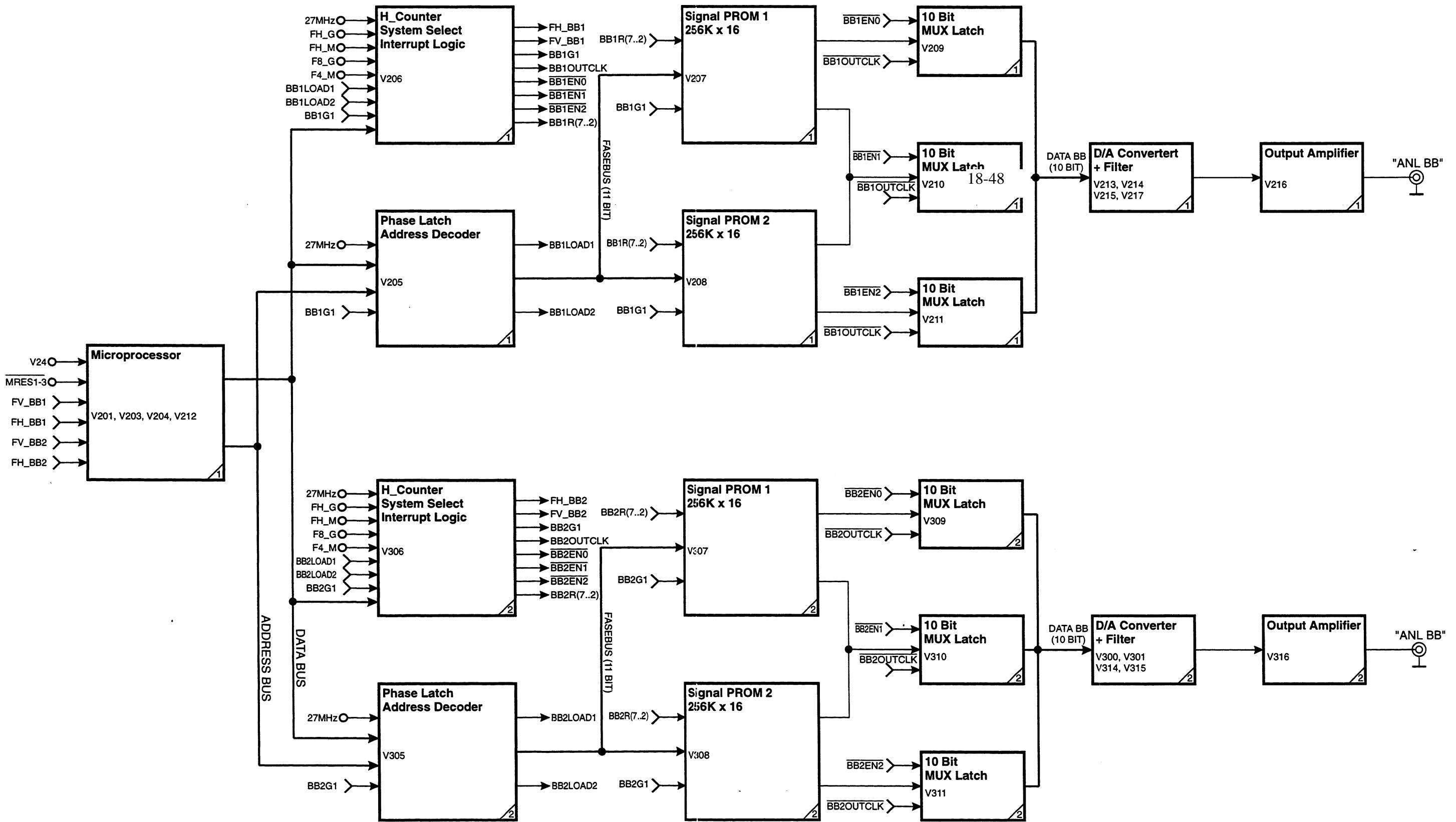


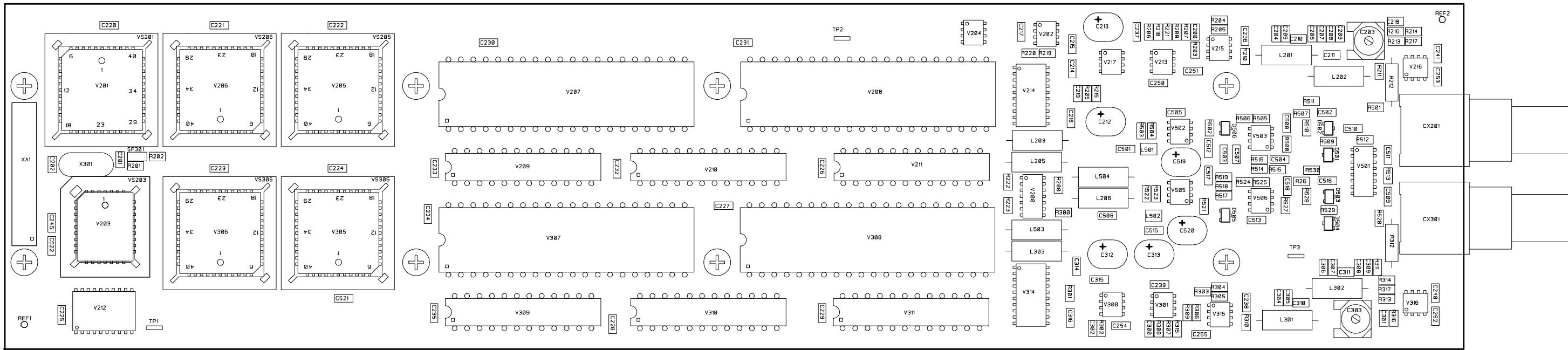


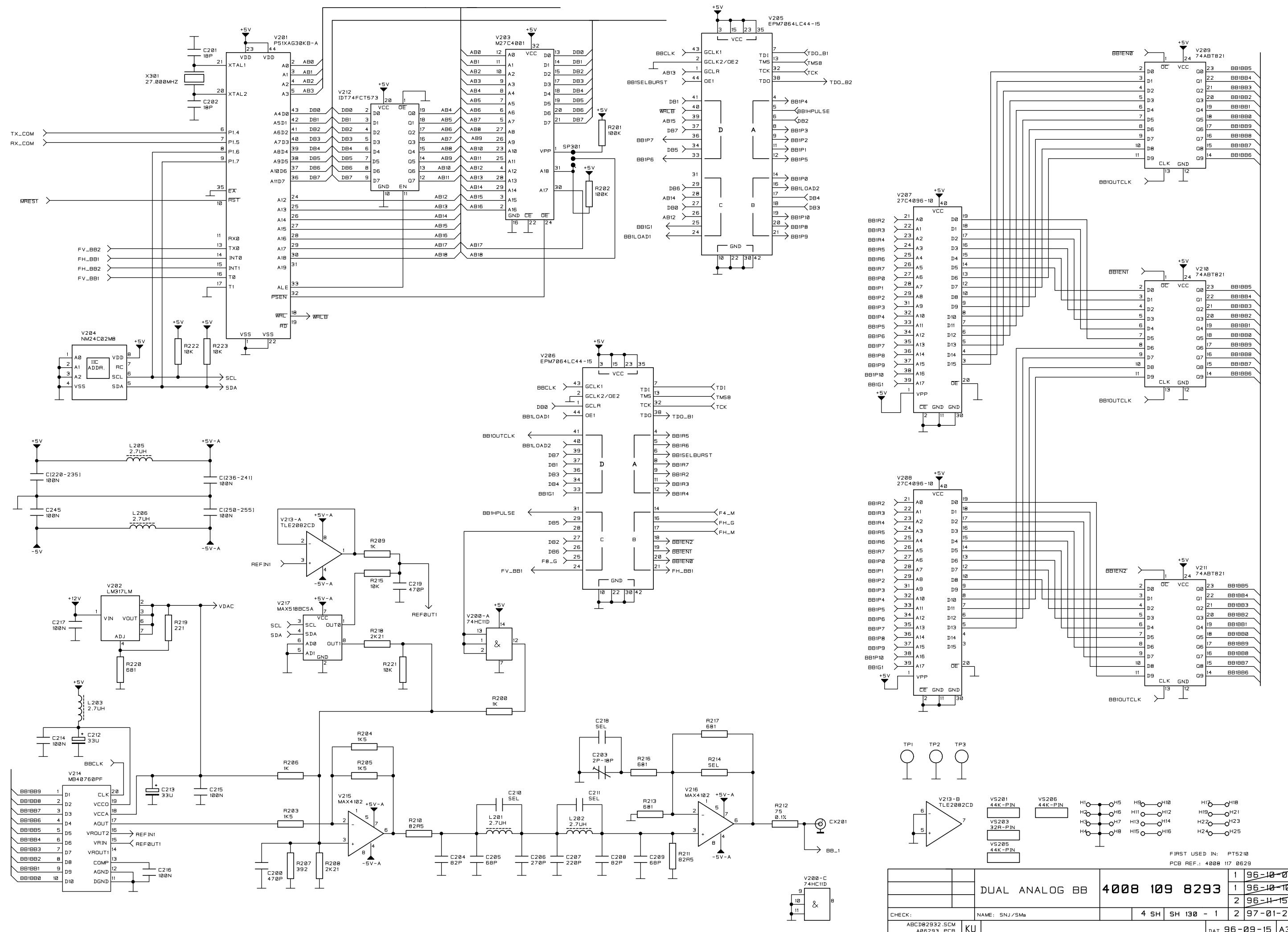
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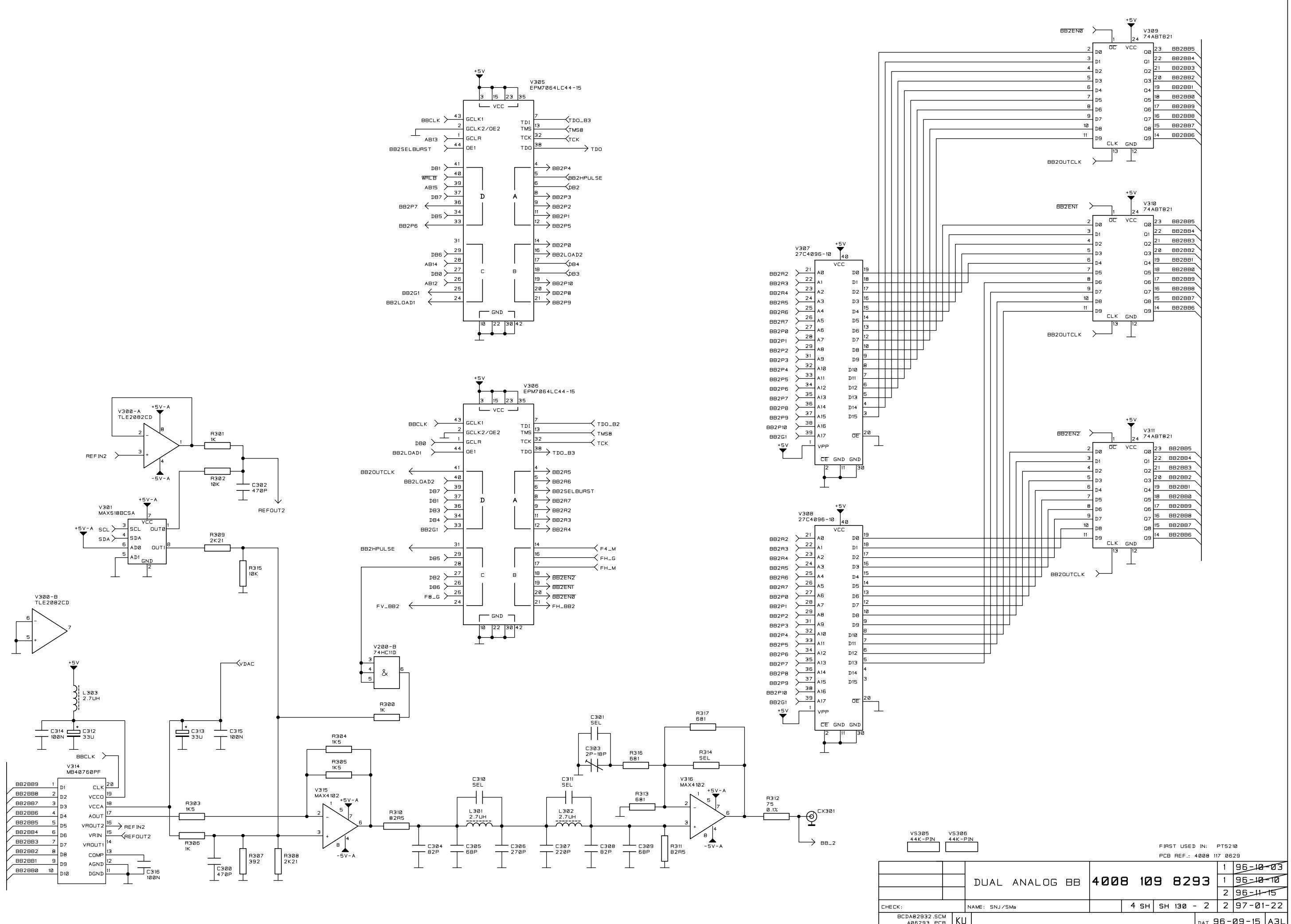
FIRST USED IN: PTS210
PCB REF.: 4008 117 0635

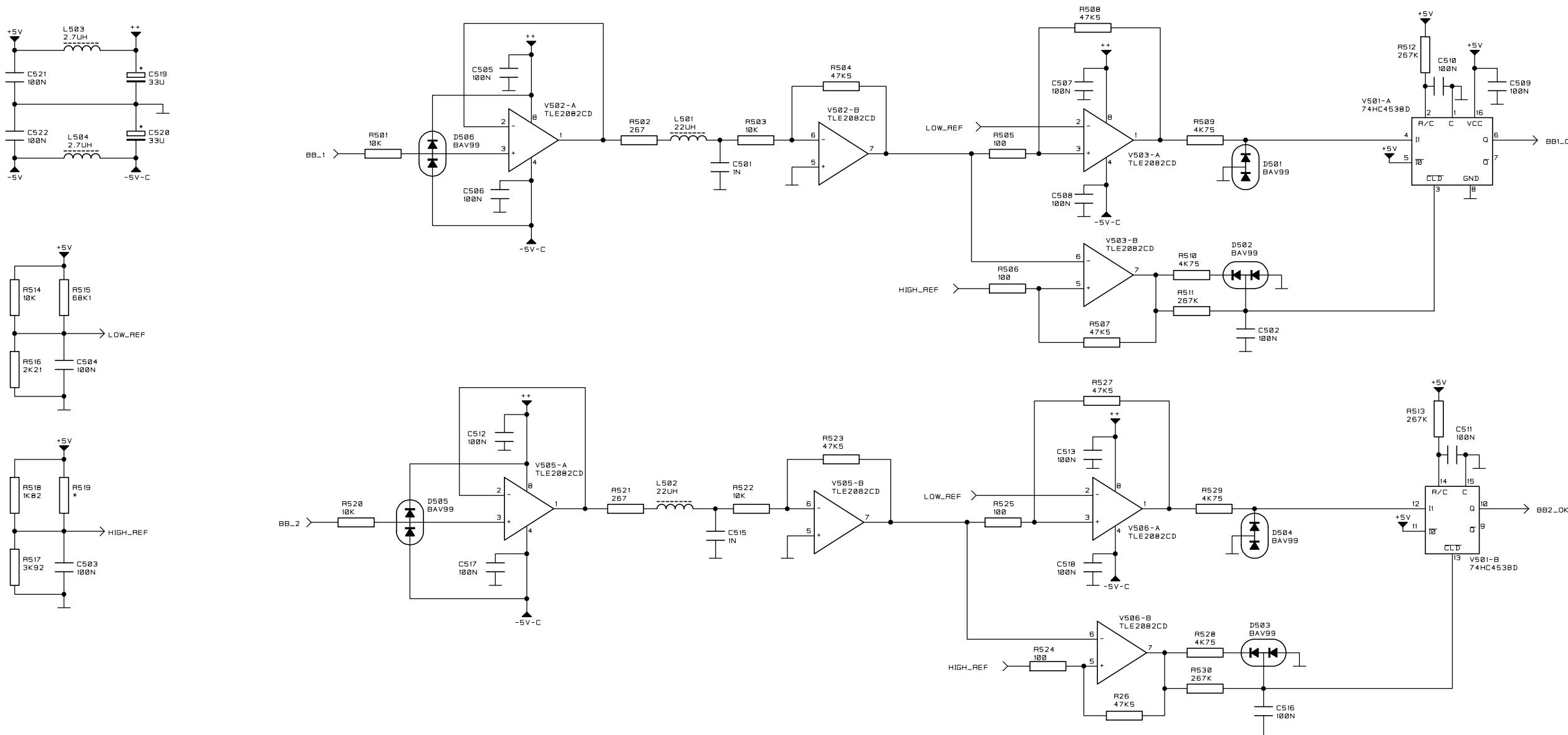
		TIME CODE GEN.	4008 109 8299	1 96-06-25
CHECK:		NAME: PRC/PF/SMa	2 SH SH 130 - 2	2 96-12-16
BA82993	.SCM			3 97-08-06
A06353	.PCB	KU		4 97-09-03
DAT. 96-06-06 A3L				







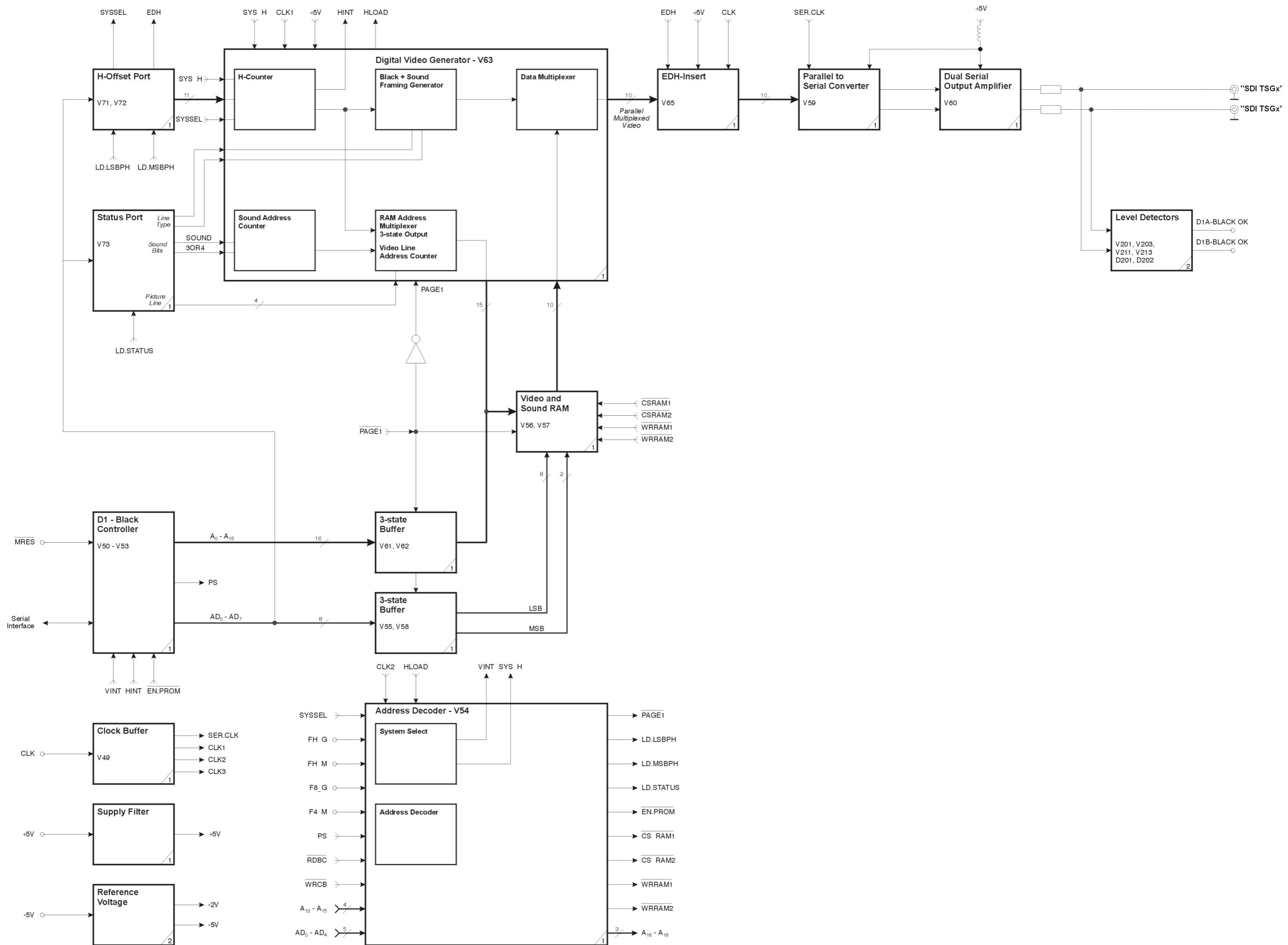


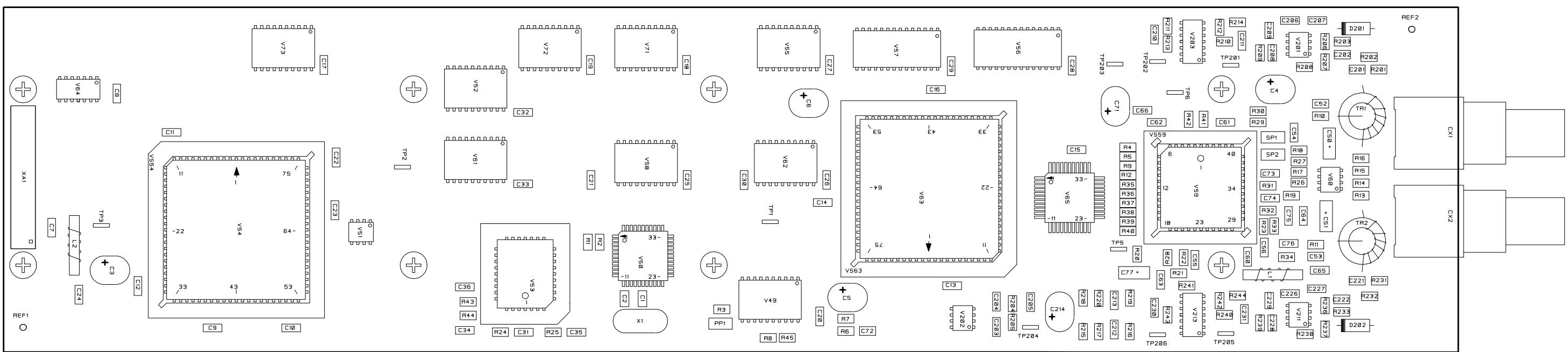


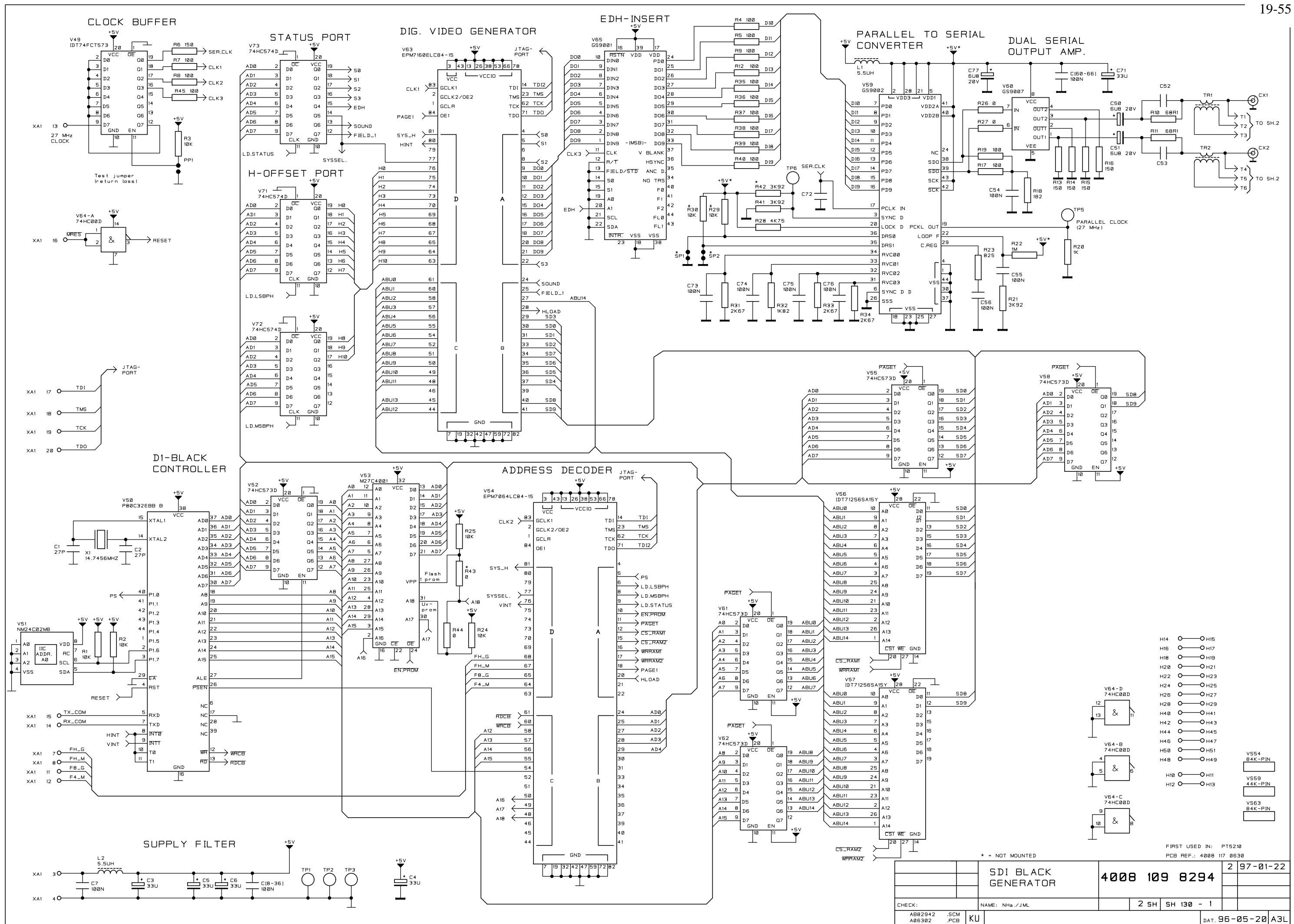
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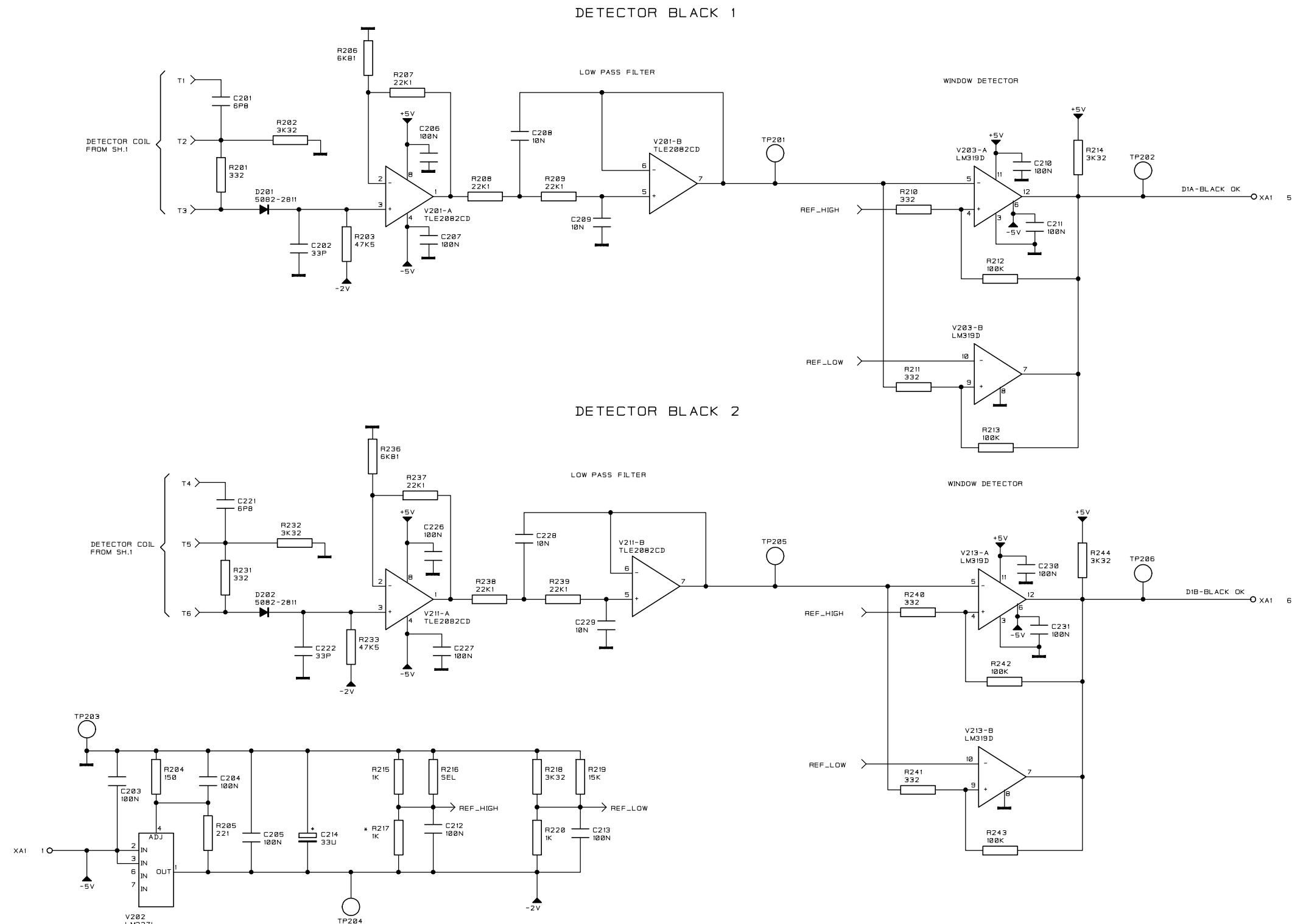
FIRST USED IN: PT5210
PCB REF.: 4008 117 0629

		DUAL ANALOG BB	4008 109 8293	1 96-10-03
CHECK:	NAME: PF/SMA		4 SH SH 130 - 3	1 96-10-10
				2 96-11-15
				2 97-01-22
CDAB8293.SCM	KU			DAT. 96-09-15 A3L

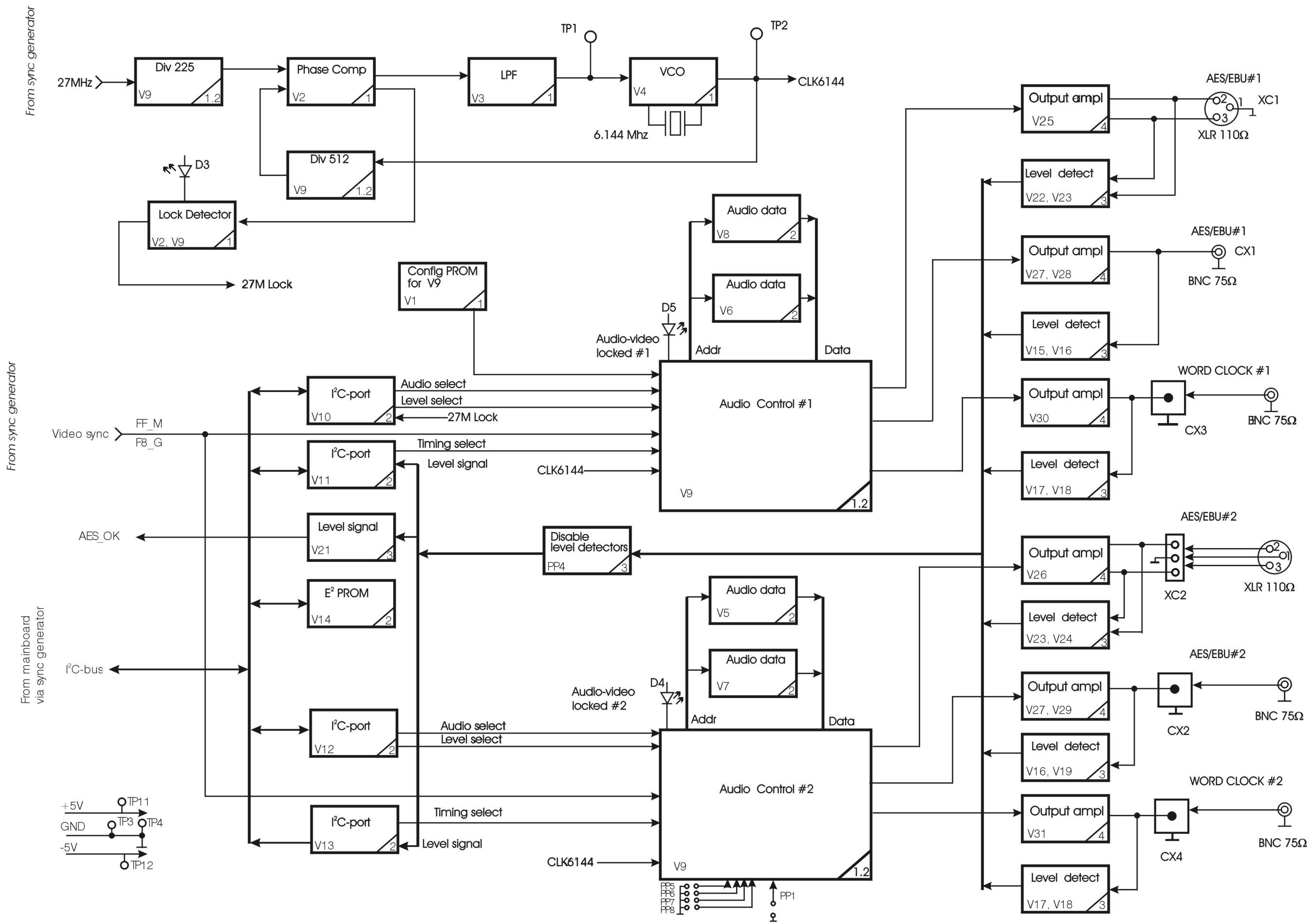


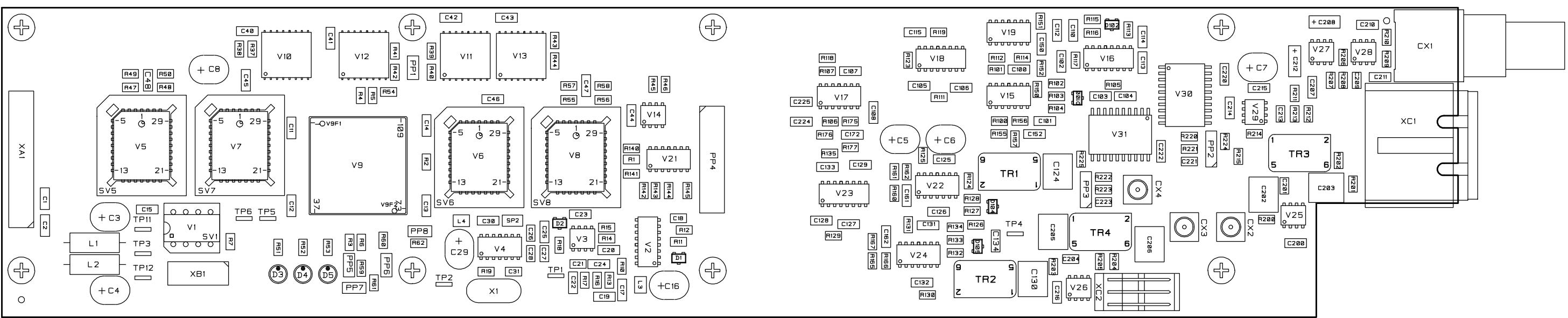




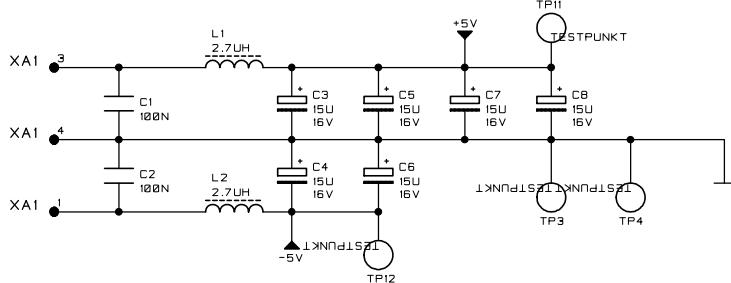


* NOT MOUNTED		LEVEL DETECTOR SDI BLACK		4008 109 8294		2 97-01-22
CHECK:	NAME: PF/JML	SCM	PCB	KU	2 SH	SH 130 - 2
BA62941 A06301	SCM PCB	KU			DAT. 96-04-22 A3L	

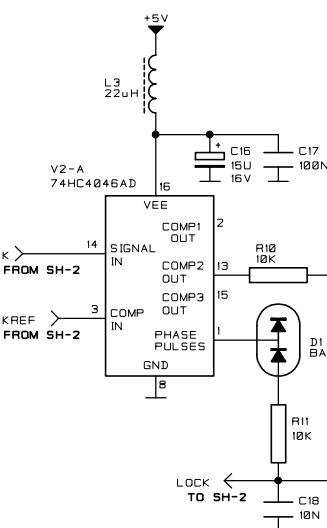




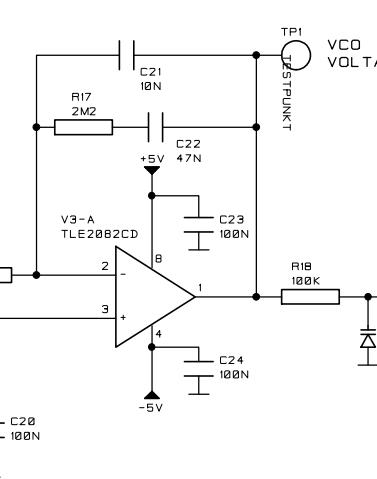
CONFIG PROM



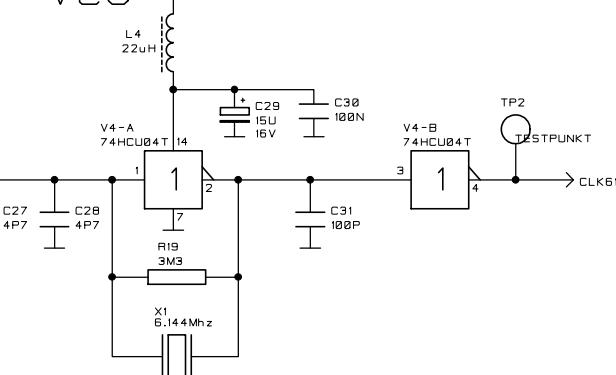
PHASE COMPARATOR



VCO
FILTER



VCC

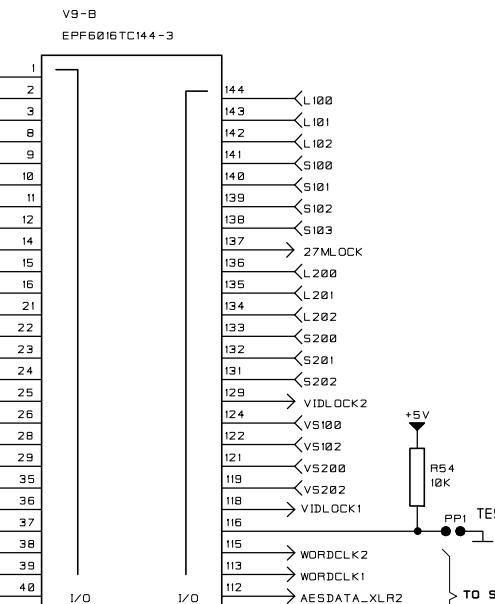
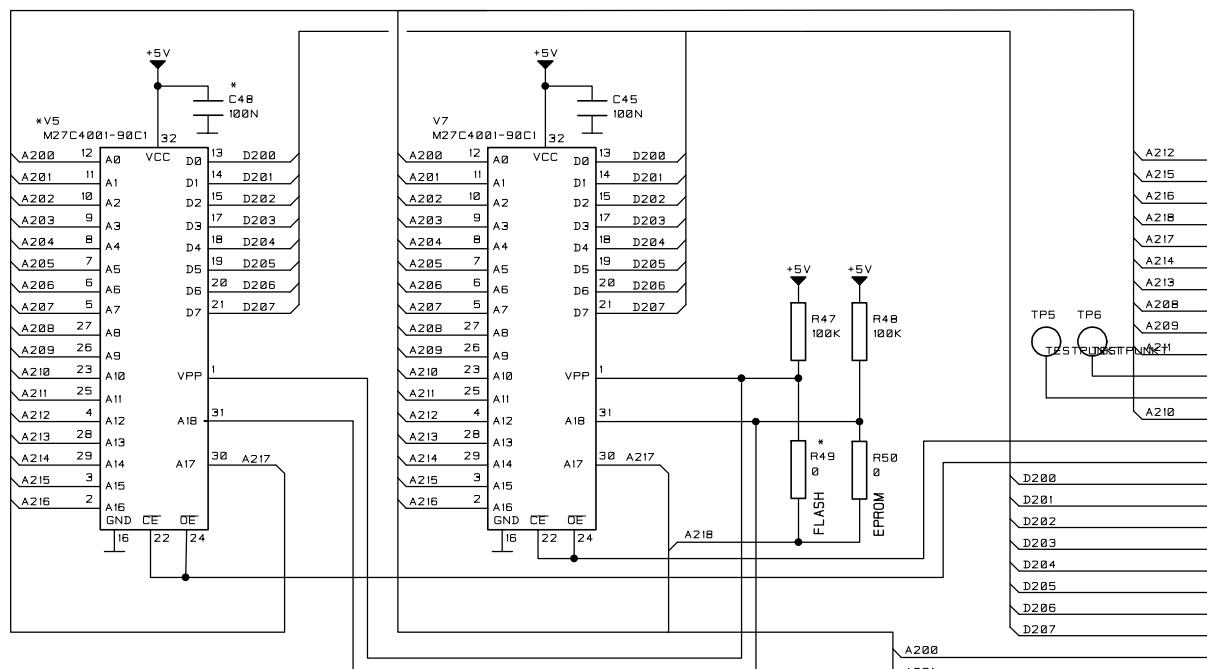


* NOT MOUNTED

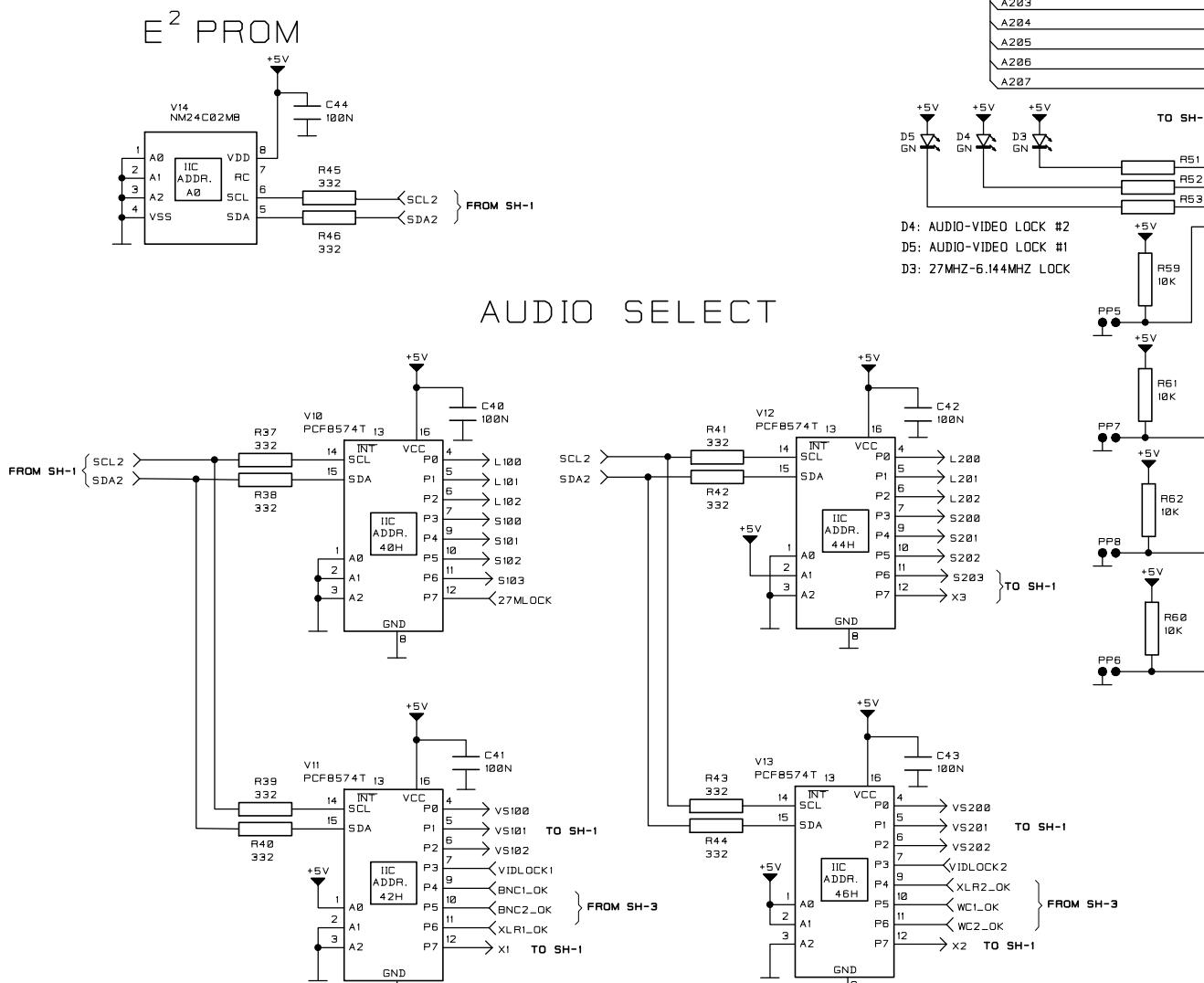
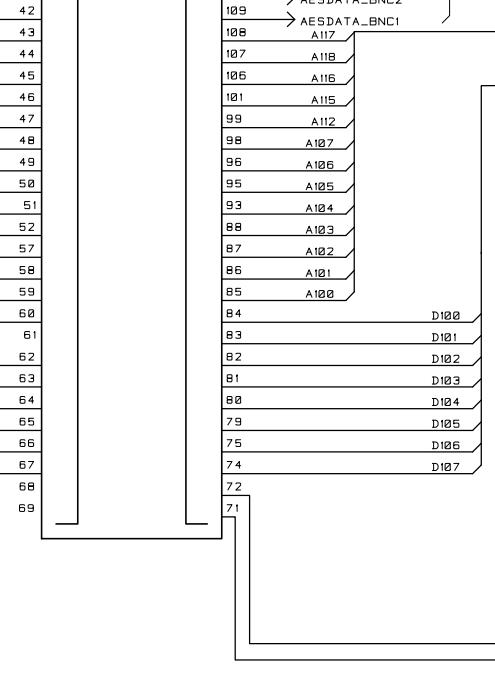


* NOT MOUNTED				FIRST USED IN : PT8635		
				PCB REF.: 4008 117 0670		
		DUAL AES/EBU AUDIO GENERATOR	4008 109 8490	1 98-04-24		
CHECK:		NAME: PF/JML	SCALE 1:1	4 SH	SH 130- 1	1 98-06-10
KU					DAT. 98-03-02	A3

AUDIO DATA PROM (2)

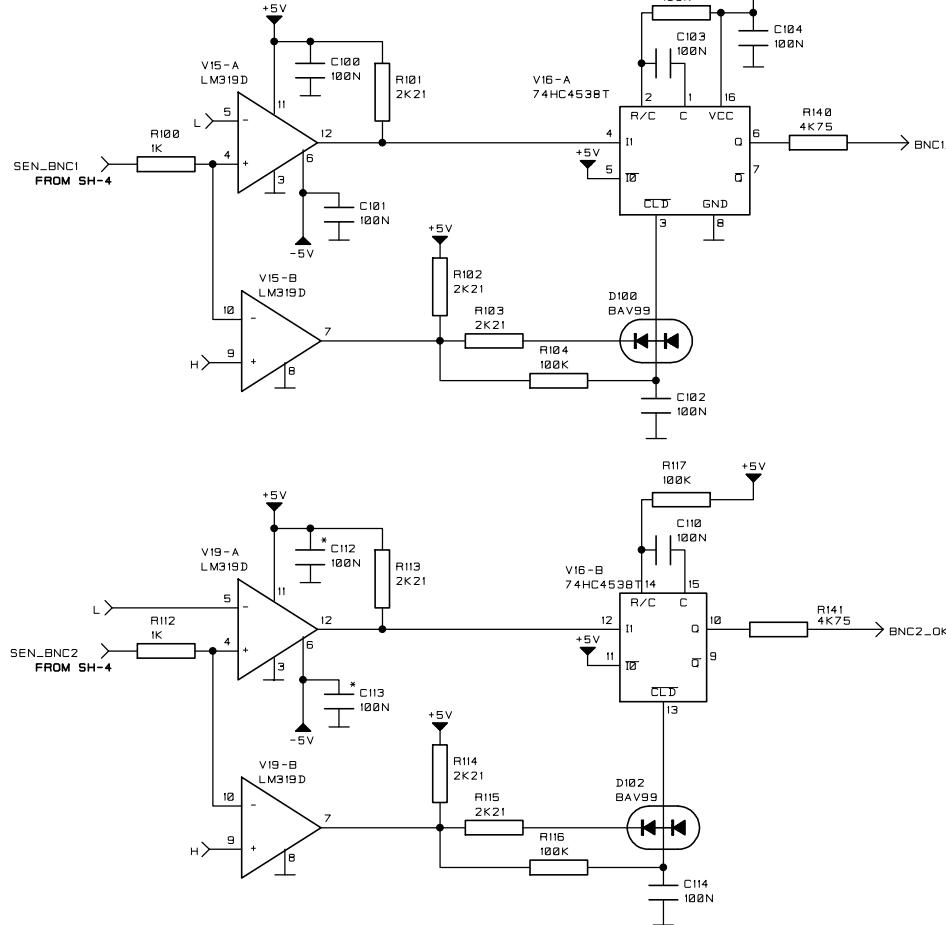


AUDIO DATA PROM (1)

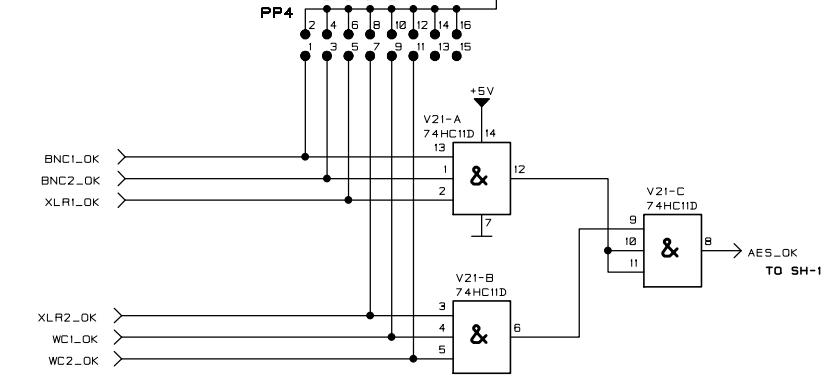
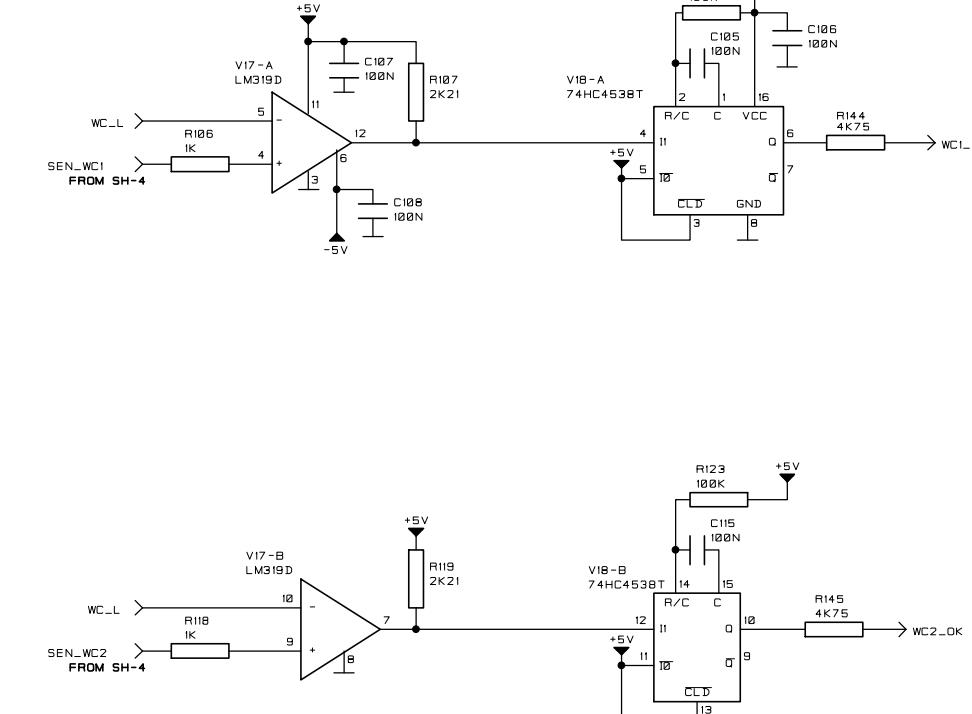


* NOT MOUNTED		DUAL AES/EBU AUDIO GENERATOR		4008 109 8490		1 98-04-24
V9F1	*	SV5 32K-PIN SOCKETS	SV7 32K-PIN SOCKETS			1 98-06-10
V9F2	*	SV6 32K-PIN SOCKETS	SV8 32K-PIN SOCKETS			2 98-06-30
CHECK:		NAME: PF/JML	SCALE 1:1	4 SH	SH 130- 2	
KU				DAT.	98-03-02	A3

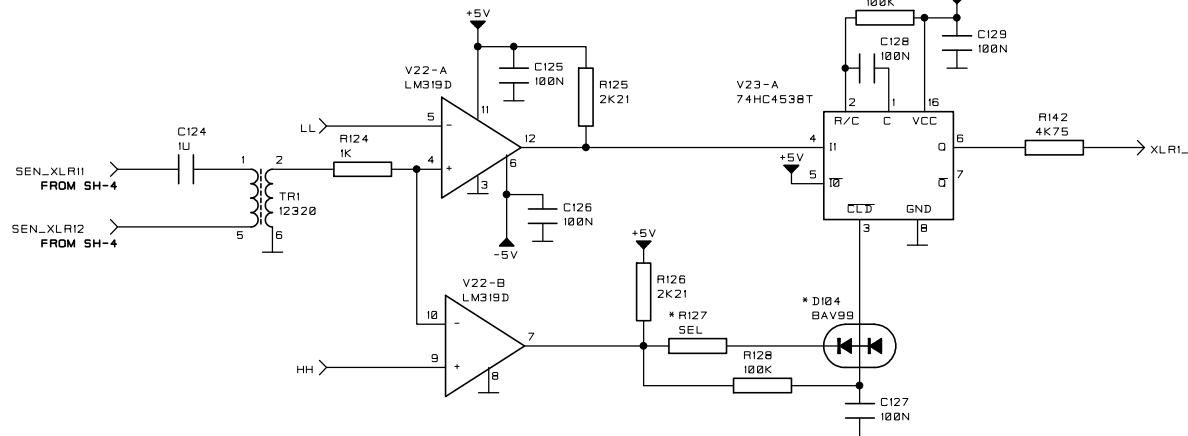
BNC LEVEL DETECT



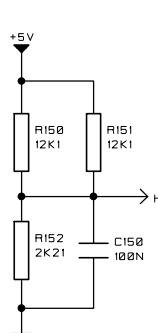
WCLK LEVEL DETECT



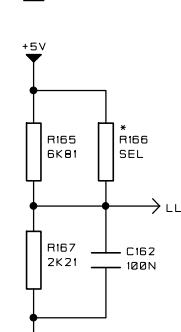
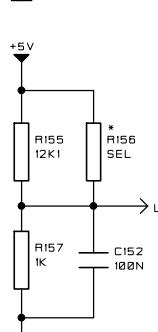
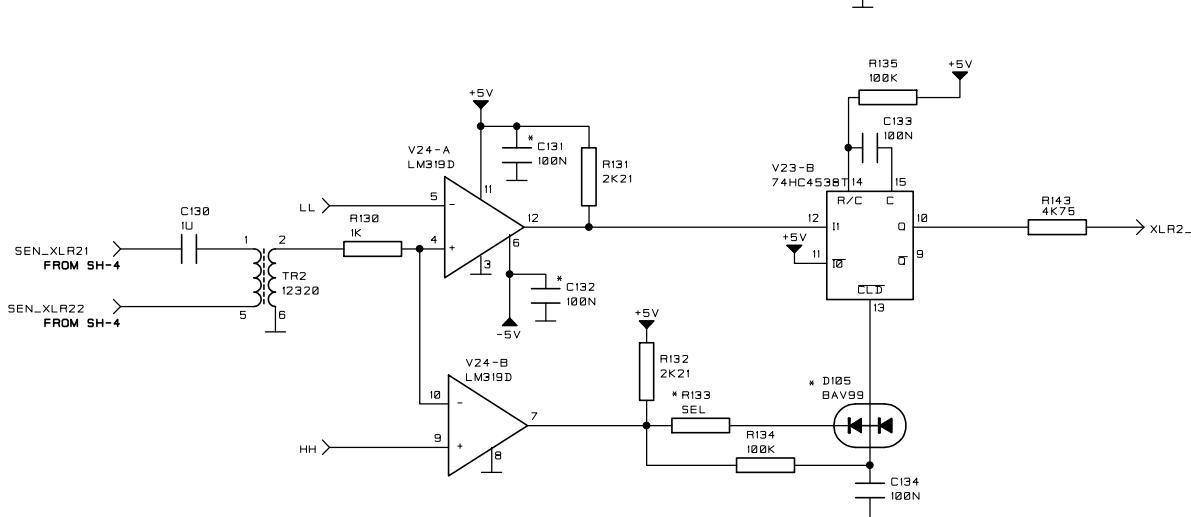
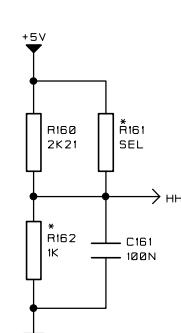
XLR LEVEL DETECT



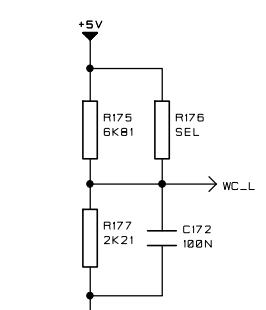
BNC REF



XLR REF



WCLK REF



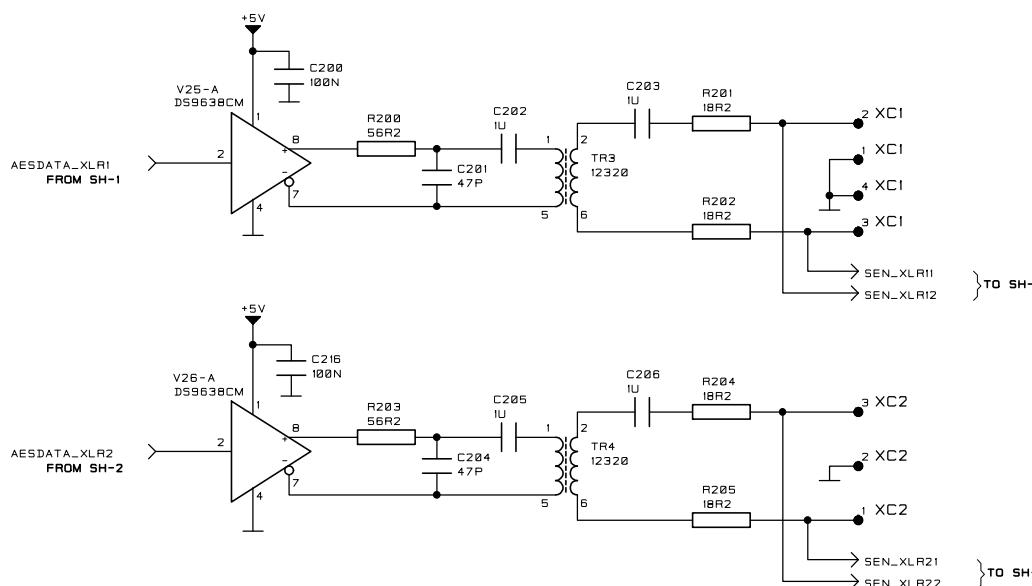
* NOT MOUNTED

	DUAL AES/EBU AUDIO GENERATOR	4008 109 8490	1 98-04-24
CHECK:	NAME: PF/JML	SCALE 1:1	4 SH SH 130 - 3
KU			2 98-06-30
		DAT. 98-03-02 A3	

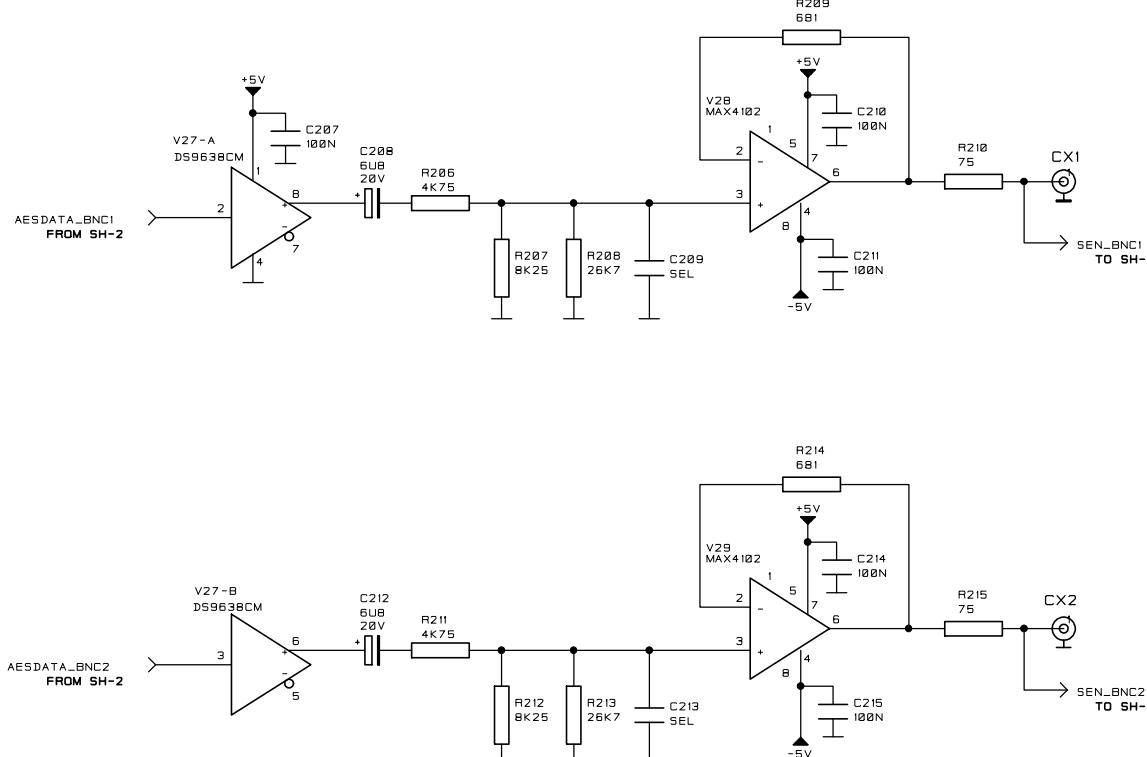
FIRST USED IN : PT8635

PCB REF.: 4008 117 0670

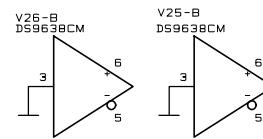
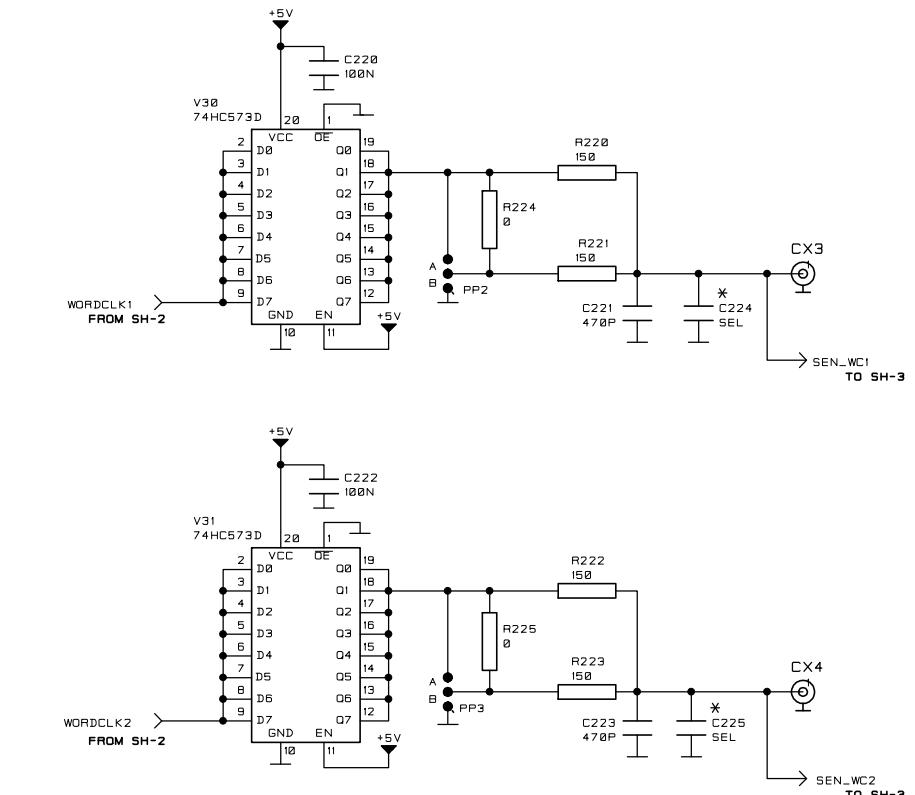
XLR OUTPUT



BNC OUTPUT



WCLK OUTPUT



* NOT MOUNTED

		DUAL AES/EBU AUDIO GENERATOR	4008 109 8490	1 98-04-24
				1 98-06-10
				2 98-06-30
CHECK:	NAME: PF/JML	SCALE 1:1	4 SH	SH 130-4
KU				DAT. 98-03-02 A3