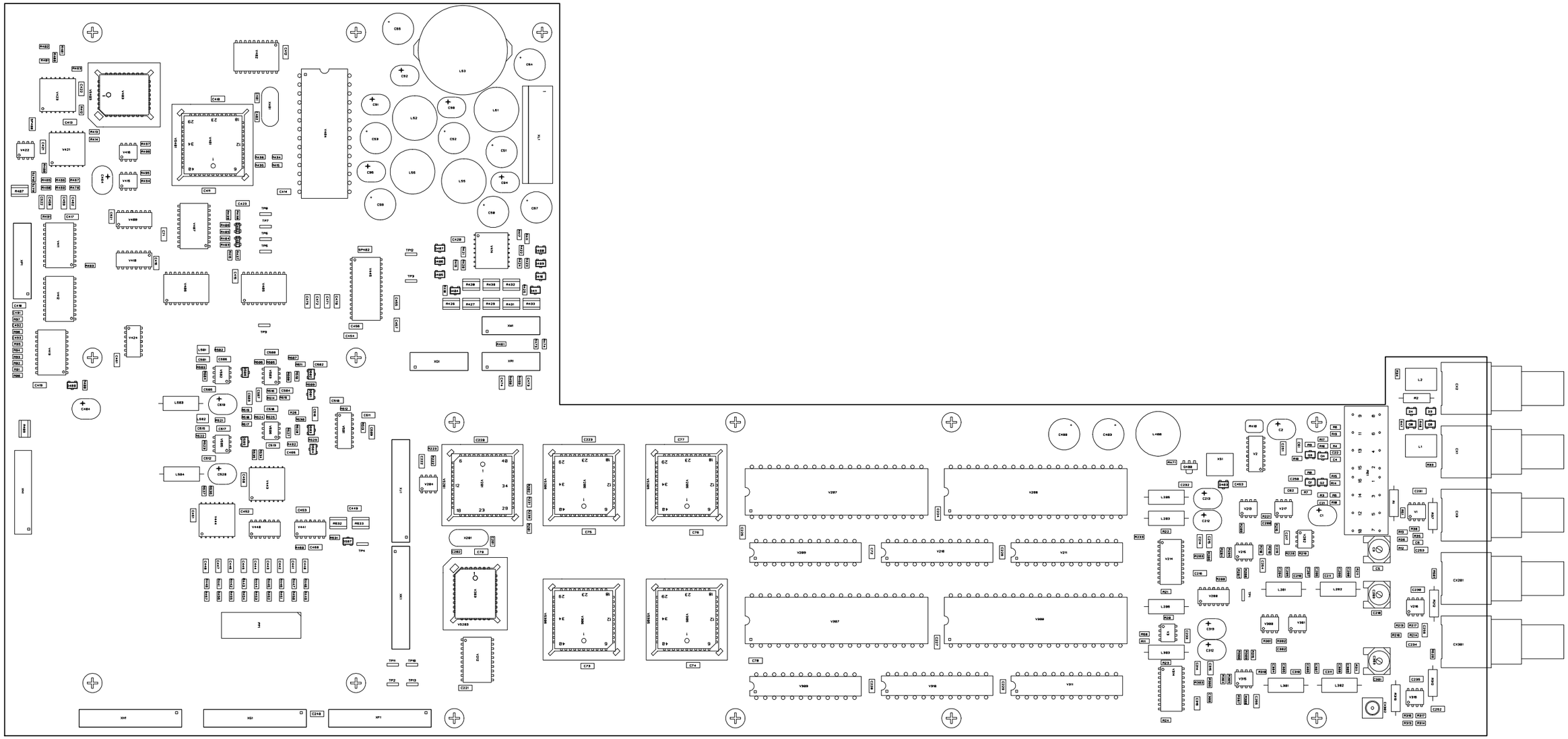

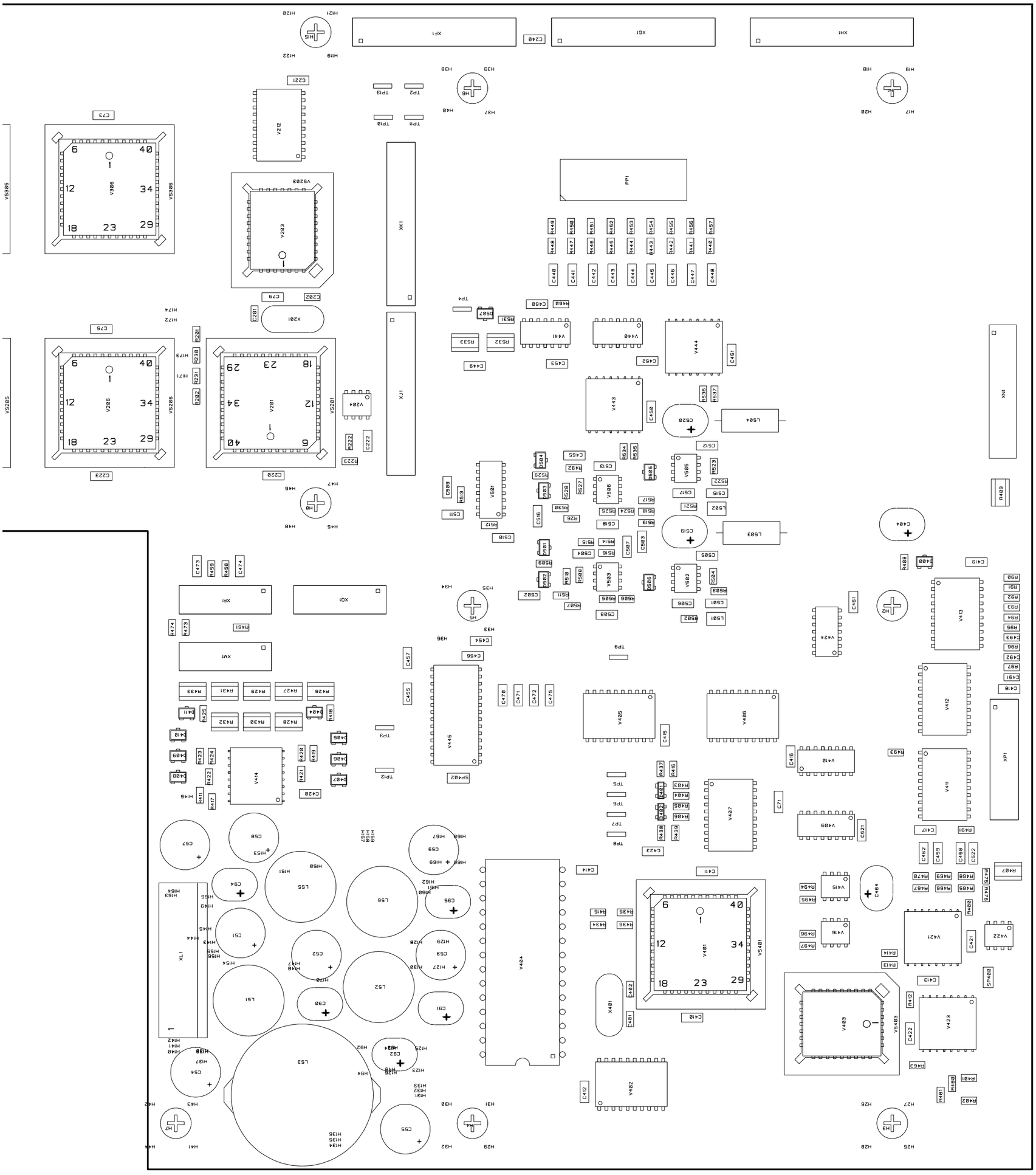
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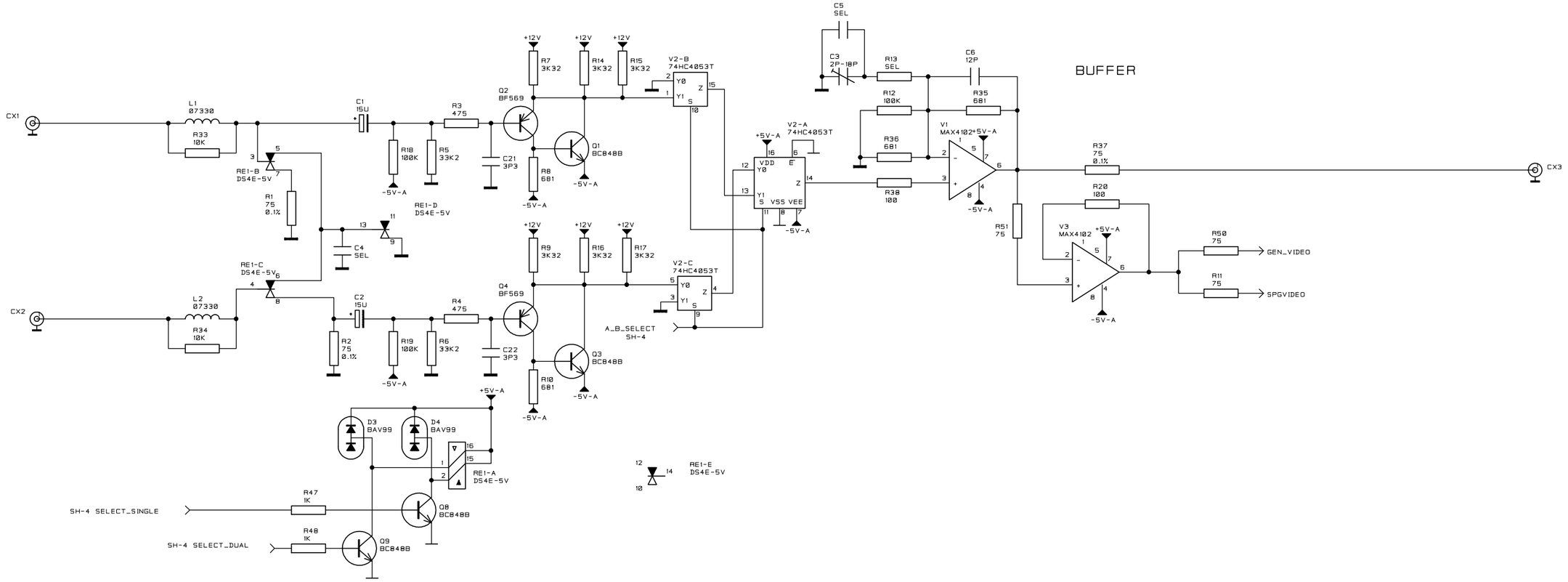
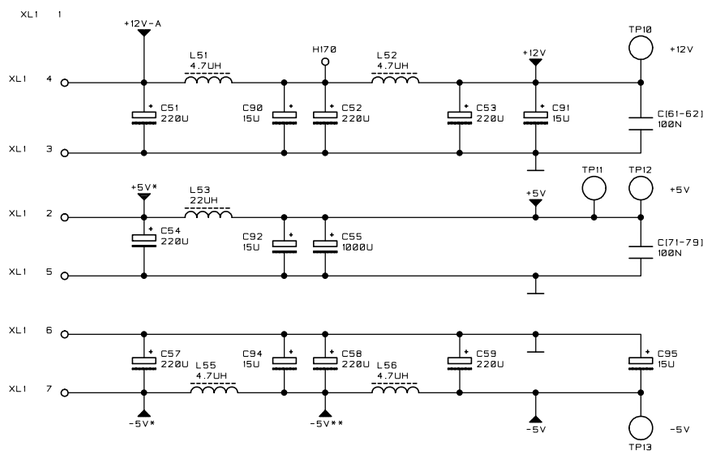
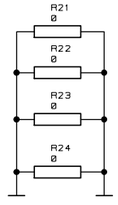
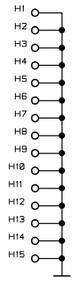
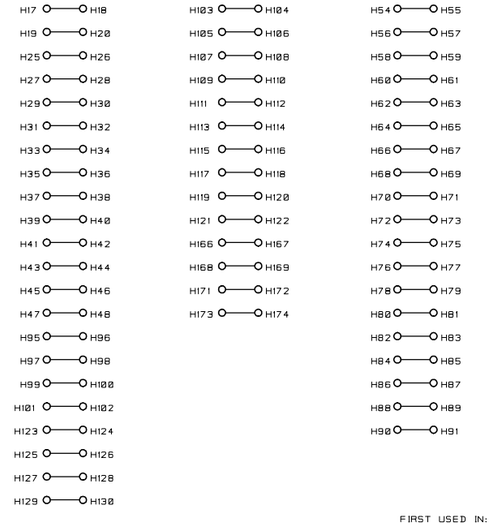
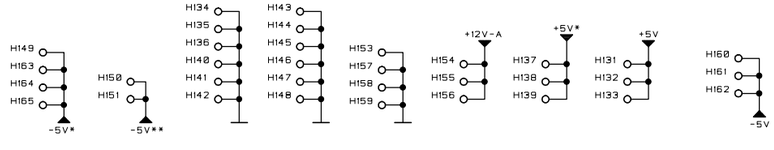



FIRST USED IN: PT5210
PCB REF.: 4008 117 0626

| | | | | | |
|---|---|---|---|---|---|
| | | MAIN BOARD | 4008 109 8290 | 3 | ~~97-08-27~~ |
| | | | | 4 | ~~97-07-10~~ |
| | | | | 4 | ~~98-06-15~~ |
| CHECK: | | NAME: PF/SMa/JML/SMa | 6 SH SH 130 - 1 | 3 | ~~97-01-21~~ |
| ABCDEF82904.SCM A05265.PCB | KU | | DAT. 96-04-03 | A3L | |

# BLACK BURST 1

## µ PROCESSOR

## PHASE LATCH

## 10 BIT MUX CATCH

## SIGNAL PROM 1

## SIGNAL PROM 2

## H COUNT

## D/A CONVERTER

## OUTPUT AMPLIFIER

AB ADRESSEBUS — TO SH-3

BB DATABUS — TO SH-3

X201 29.4912MHZ

C201 18P

C202 18P

V201 P51XAG30KB-A

SH-4 TX_COM

SH-4 RX_COM

SH-4 MRESET

SH-3 FV_BB2

FH_BB1

SH-3 FH_BB2

FV_BB1

WRLB — SH-3

V204 NM24C02M8 (IIC ADDR.)

SCL

SDA

TO SH-3

R222 10K

R223 10K

V212 IDT74FCT573

V203 M27C4001

R201 100K

R230 *

R231 0

R202 100K

V205 EPM7064LC44-15

TO SH-6 BBCLK

AB13

BB1SELBURST

DB1

WRLB

DB7

BB1P7

DB5

BB1P6

DB6

AB14

DB0

AB12

BB1G1

BB1LOAD1

BB1P4

BB1HPULSE

DB2

BB1P3

BB1P2

BB1P1

BB1P5

BB1P0

BB1LOAD2

DB4

DB3

BB1P10

BB1P8

BB1P9

SH-3

V209 74ABT821

BB1ENØ

BB1OUTCLK

V210 74ABT821

BB1ENT

V207 27C4096-10

V208 27C4096-10

BB1R2 BB1R3 BB1R4 BB1R5 BB1R6 BB1R7 BB1P0 BB1P1 BB1P2 BB1P3 BB1P4 BB1P5 BB1P6 BB1P7 BB1P8 BB1P9 BB1P10 BB1G1

BB1BB5 BB1BB4 BB1BB3 BB1BB2 BB1BB1 BB1BB0 BB1BB9 BB1BB8 BB1BB7 BB1BB6

V206 EPM7064LC44-15

SH-6 BBCLK

DB0

BB1LOAD1

BB1OUTCLK

BB1LOAD2

DB7 DB1 DB3 DB4 BB1G1

BB1HPULSE

DB5

DB2 DB6

SH-6 F8_G

FV_BB1

BB1R5 BB1R6 BB1SELBURST BB1R7 BB1R2 BB1R3 BB1R4

F4_M FH_G FH_M — SH-6

BB1ENZ BB1ENT BB1ENØ FH_BB1

TDI TMS TCK TDO TDO_B1 — SH-4

L205 2.7UH

L206 2.7UH

C(220-229) 100N

C(230-235) 100N

C240 100N

C(250-256) 100N

+5V-A

-5V-A

V213-A TLE2082CD

REFIN1

R209 1K

R215 10K

C219 470P

REF0UT1

V217 MAX518BCSA

SCL SDA AD0 AD1

R218 2K21

R221 10K

V202 LM317LM

+12V

C217 100N

R219 221

R220 681

VDAC

L203 2.7UH

C214 100N

C212 15U

R233 SEL

BBCLK

V214 MB40760PF

BB1BB9 BB1BB8 BB1BB7 BB1BB6 BB1BB5 BB1BB4 BB1BB3 BB1BB2 BB1BB1 BB1BB0

REFIN1

REF0UT1

BB1 DATA

C213 15U

C215 100N

C216 100N

R204 1K5

R205 1K5

R206 1K

R203 1K5

V215 MAX4102

R210 82R5

R207 392

R208 2K21

C200 470P

V200-A 74HC11D

R200 1K

C218 SEL

C203 2P-18P

R216 681

R217 681

R214 SEL

V216 MAX4102

R213 681

R212 75 0.1%

CX201

BB_1 SH-5

C210 SEL

C211 SEL

L201 2.7UH

L202 2.7UH

C204 82P

C205 68P

C206 270P

C207 220P

C208 82P

C209 68P

R211 82R5

V213-B TLE2082CD

V200-C 74HC11D

VS201 44K-PIN

VS203 32R-PIN

VS205 44K-PIN

VS206 44K-PIN

* NOT MOUNTED

FIRST USED IN: PT5210

PCB REF.: 4008 117 0626

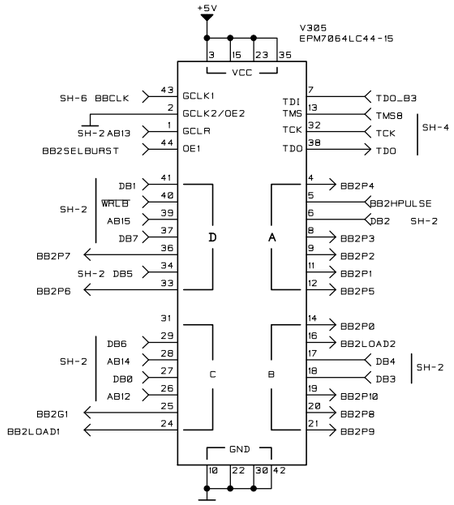
| | | | | | |
|---|---|---|---|---|---|
| | | MAIN BOARD | 4008 109 8290 | 4 | 97-07-10 |
| | | | | 4 | 98-06-15 |
| | | | | 4 | 98-06-15 |
| CHECK: | | NAME: SNJ/SMa/JML/SMa | 6 SH | SH 130 - 2 | 3 97-01-21 |
| BACDEF82904.SCM A06265 .PCB | KU | | | DAT. 96-04-03 | A3L |

# BLACK BURST 2

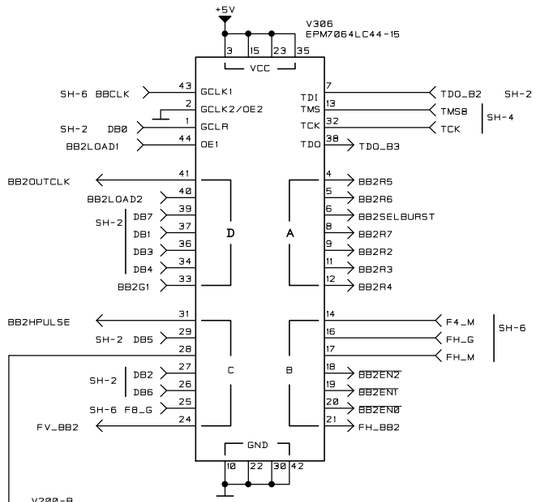
BB DATABUS FROM SH-2

BB ADRESSEBUS FROM SH-2

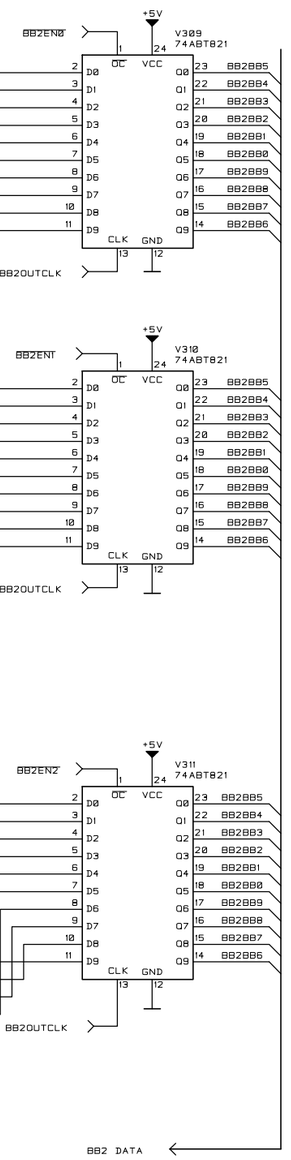
## PHASE LATCH



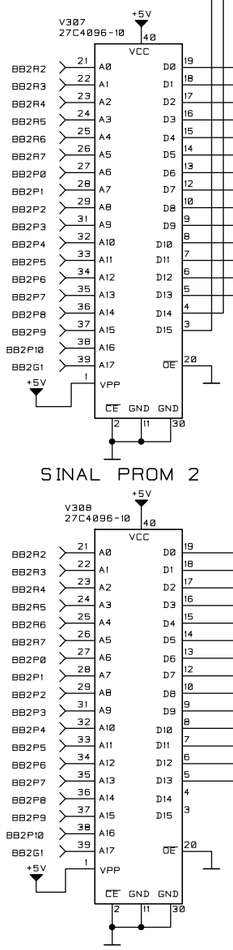

## H COUNT




## 10 BIT MUX LATCH

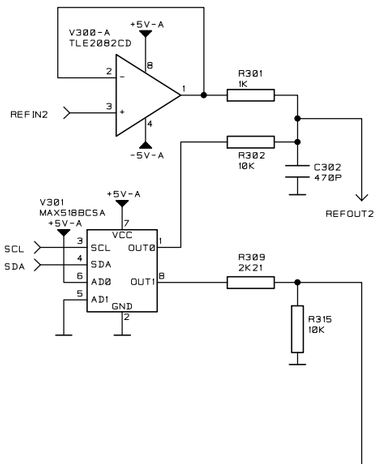


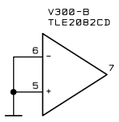

## SINAL PROM 1

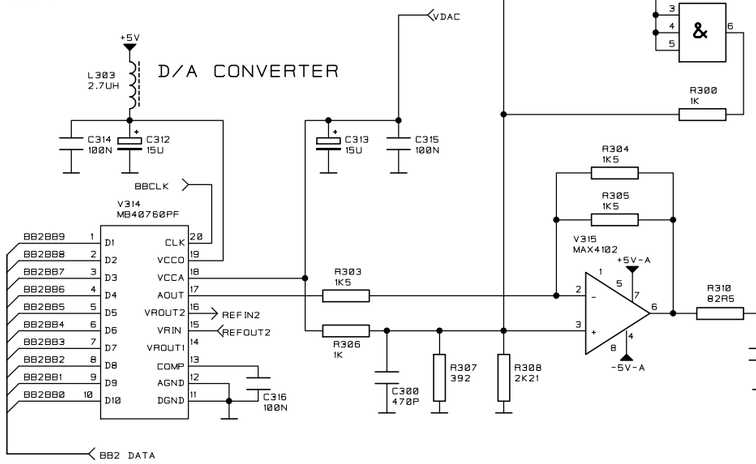


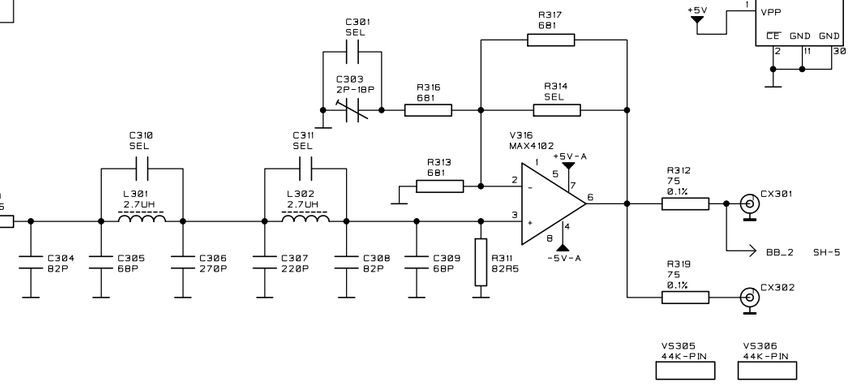

## SINAL PROM 2




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

| | | | | | |
|---|---|---|---|---|---|
| | | MAIN BOARD | 4008 109 8290 | 4 | 97-07-10 |
| | | | | 4 | 98-06-15 |
| | | | | 3 | 96-11-21 |
| CHECK: | | NAME: SNJ/SMa/JML/SMa | 6 SH | SH 130 - 3 | 3 97-01-21 |
| CABDEF82904.SCM A06265.PCB | KU | | | DAT. 96-04-03 | A3L |

MASTER MICRO CONTROLLER

ADDRESS LATCH

PROGRAM ROM

NON VOLATILE RAM

OUTPUT PORTS

PARALLEL INTERFACE

IIC-BUS

TTL

PGA-LOAD

DISPLAY

RS232 DRIVER

REMOTE RS-232

INPUT PORT

WATCHDOG

GENLOCK

KEYBOARD

TEMPERATURE AND VOLTAGE SENSE

AUXILLARY RAM

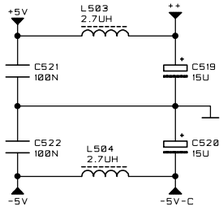
FAN DRIVER

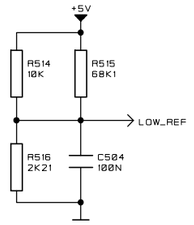
* NOT MOUNTED

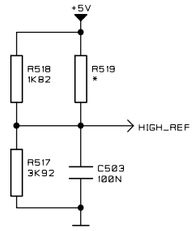
FIRST USED IN: PT5210

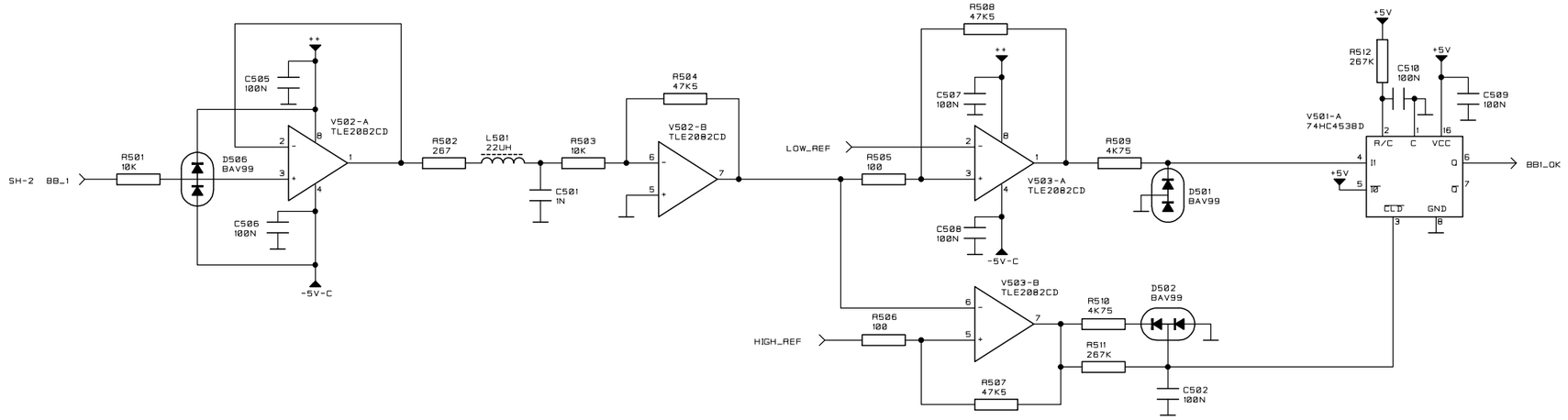
PCB REF.: 4008 117 0626

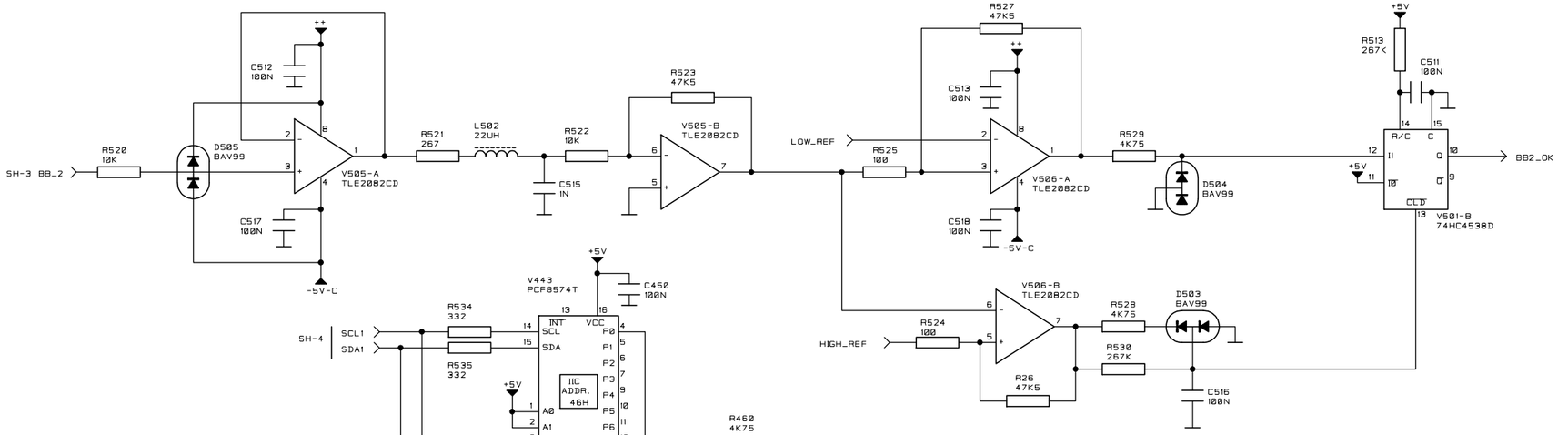
| | | | | | |
|---|---|---|---|---|---|
| | | MAIN BOARD | 4008 109 8290 | 3 | ~~97-01-21~~ |
| | | | | 3 | ~~97-02-17~~ |
| | | | | 4 | ~~97-07-10~~ |
| CHECK: | NAME: PRC/SNJ/PF/SMa/JML/SMa | | 6 SH | SH 130 - 4 | 4 98-06-15 |
| DABCEF82904.SCM A06265.PCB | KU | | | DAT. 96-04-03 | A3L |

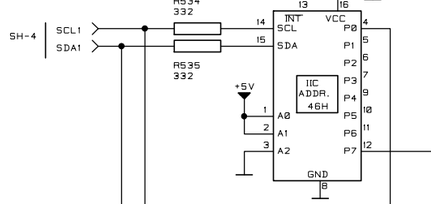


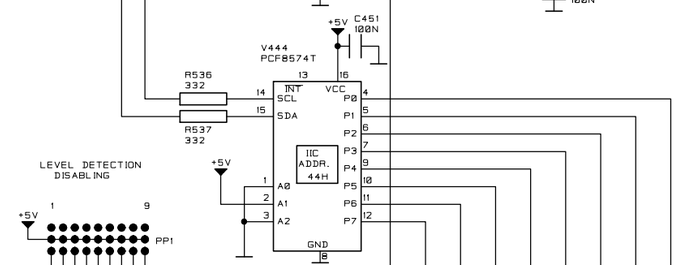



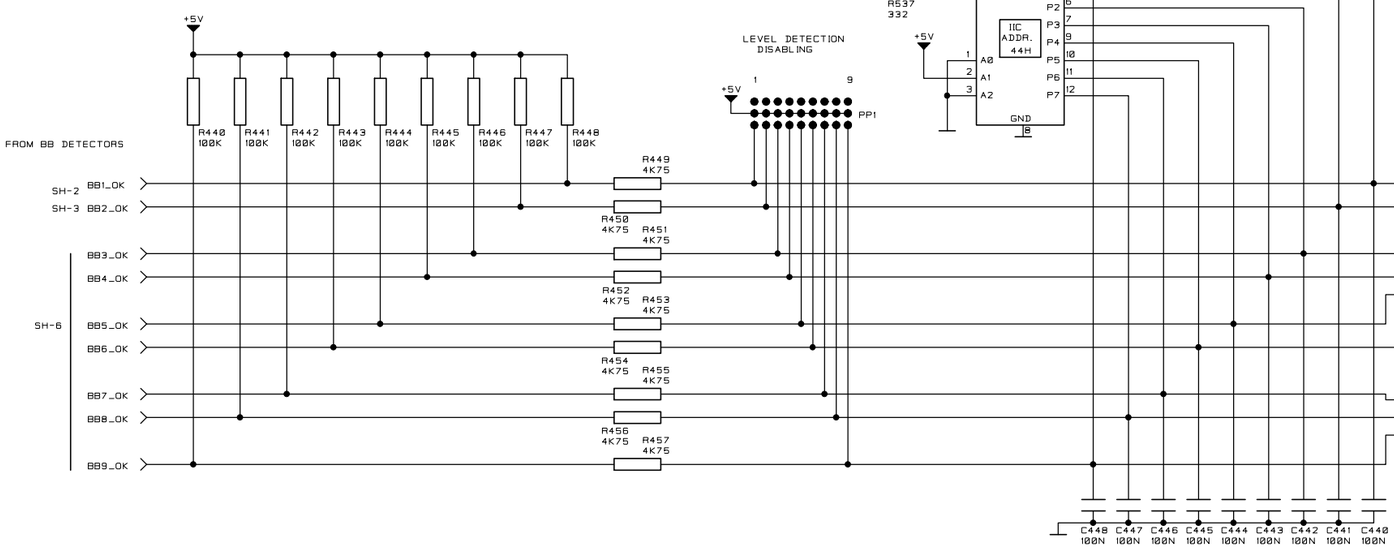



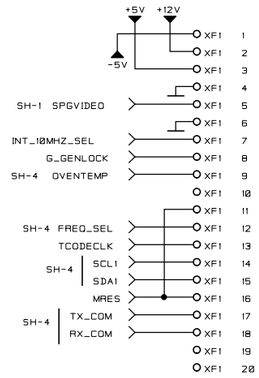




* NOT MOUNTED

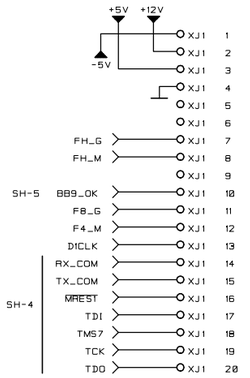
FIRST USED IN: PT5210
PCB REF.: 4008 117 0626

| | | | | |
|---|---|---|---|---|
| MAIN BOARD | 4008 109 8290 | 4 | ~~97-07-10~~ |
| | | 4 | 98-06-15 |
| | | 3 | ~~96-11-18~~ |
| CHECK: | NAME: PF/SMa/JML/SMa | 6 SH | SH 130 - 5 | 3 | ~~97-01-21~~ |
| EABCDF82904.SCM A06265.PCB | KU | | DAT. 93-04-01 | A3L |

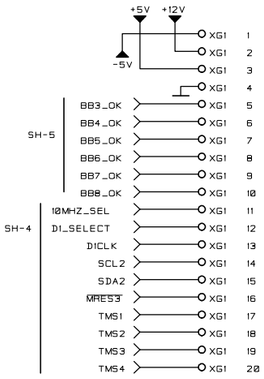
## TO SYNC PULSE GENERATOR



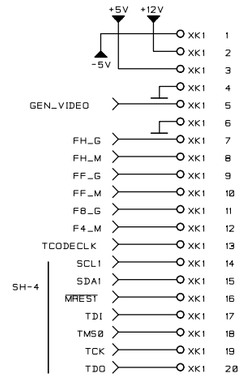

## TO D1 GENERATOR



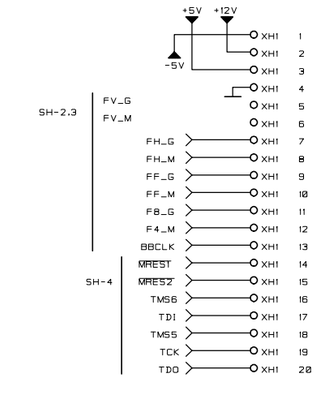

## TO SYNC PULSE GENERATOR




## 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 |
| | | | | | 3 | ~~96-11-18~~ |
| CHECK: | | NAME: SNJ/SMa/JML/SMa | | 6 SH SH 130 - 6 | 3 | ~~97-01-21~~ |
| FABCDE82904.SCM A06265.PCB | KU | | | DAT. 96-03-28 | | A3L |