RECTIFIER FOR +5V SUPPLY D102 S8360 DC/DC CONVERTER +5V C104 C105 MA3 1₀.... MA3 2₀.... MA3 3₀.... C107 3U3 C108 330P C109 33N CRB O Ke Re C110 2N2 <u> 명기</u> 명■ XG1 1 0-HZ3 HB1 HB2 HB3 변4 변6 AC 변2 변3 | PROPERTY OF PHILIPS TV TEST EQUIPMENT A/S ALL RIGHTS STRICTLY RESERVED. XG1 3 0-H94 H95 \Box H96 H97 Haa Haa Haa Has ____ CIØ2 ____ 100N HIØ4 HJ18 Hia Hisa XG1 7 0-HJ21 HJ22 HJ23 HJ24 HJ25 HJ26 VOLTAGE REGULATORS +/-12V 벵²⁷ 벵²⁸ TP103 +12V RECTIFIER FOR на на +/-12V SUPPLY | Н31 Н32 H33 H34 Из Нзв ႘37 ႘38 R105 332 C127 C119 3300U C121 C123 — GNDA # C122 C124 100N C120 3300U RIIØ 332 H105 O-H53 H54 H57 H58 -12V 변5명7 변3명1 H당H당 PCB REF.: 4008 117 0610 * NOT MOUNTED 1 85-86-26 MAIN BOARD 4008 109 8214 2 95-08-24 (POWER SUPPLY) M.B. NAME: SB/SMa/JML/SMa 7 SH SH 130 - 1 ABCDEFG82142.SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 95-02-15 A3L

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PROGRAM RAM **EPROM** MASTER CONTROL ADDR.LATCH X201 12MHZ AA1 AA2 DA2 IEEE 488/RS232 DA1 DA1 ААЗ AA2 DA2 DA2 AA2 / DA2 AA4 XJ1 1 0 +5V DA3 / DA3 AA3 / EAA DA3 ____ C202 27P AA5 DA5 DA4 DA4 DA4 AA4 AA4 AA6 4 AA7 3 A7 DAB DA5 XJ1 2 0 AA7 3 A7
AA8 25 A8
AA9 24
AA10 21
AA11 23
AA12 2
AA13 1 DAS DAS AA6 AA6 DAG XJ1 4 0 DA7 DA7 AA7 DA7 XJ1 6 0 AB 21 AAB AAB R201 100 XJ1 a O SH-3.4.5.6 SCL > 22 AA9 AA9 XJI 9 0

XJI 10 0 REM_RESET

XJI 3 0 REM_SCL

XJI 5 0 REM_SDA XJ1 g O SH-3.4.5.6 SDA > AA12 2 A12 A13 1 NC AA14 28 NC CST R/W GND 28 27 14 R203 100 AA11 AA12 AA12 EIAA sH-5 UNIT_RESET ← 26 AA13 XJ1 7 0____ R207 1K5 27 AA14 UNIT_SCL > O ALE UNIT_SDA > AA14 PSEN. wr > FRONTPLATE XH1 3 O FRONT_RXD XHI 3 0 FRONT_TXD

XHI 4 0 FRONT_RESET TXD INTØ XH1 1 0 ADICS > XH1 2 0 XH1 15 O XH1 16 O TO: TTL REMOTE XH1 6 0-XH1 7 0-OUTPUT CEOUT 12 O TP2Ø3 WDIN **OUTPUT LATCHES** RESETI XH1 11 0-RESET2 XH1 8 0-+5V WDOUT XH1 10 0-XH1 12 0--0 XL1 23 RESERVE O XL1 9 LOW CARRIER LEVEL OXL1 21 LOSS OF OPSKOXL1 DA2 HIGH CARRIER LEVEL O XL1 20 DA3 2 Di4 18 Di5 17 Di6 16 Di7 VISION CARRIER ALARM O XL1 II DA5 NO NICAM FRAMES O XL1 24 BER ALARM O XL1 12 DA6 EYEHIGHT ALARM OXL1 13 OXL1 14 0XL1 10 NICAM DECODER __OXL1 в XII 1 0 NCLOCK1 5H-4 DATA AND CLOCK uoxL1 is XII 2 O NDATAI SH-4 DRIVERS __O XL1 1 AA12) XII 3 O----- UNIT_SCL ⊕OXL1 2 AA13 > OXL1 18 XII 4 0- UNIT_SDA O XL1 22 → 20DB SH-3 → ØDB sH-3 XII 13 O NCLOCK2 SH-7 DAI XII 14 O NDATA2 SH-7 STEREO MODE O XL1 3

C4 STATUS O XL1 15

DATA MODE O XL1 16

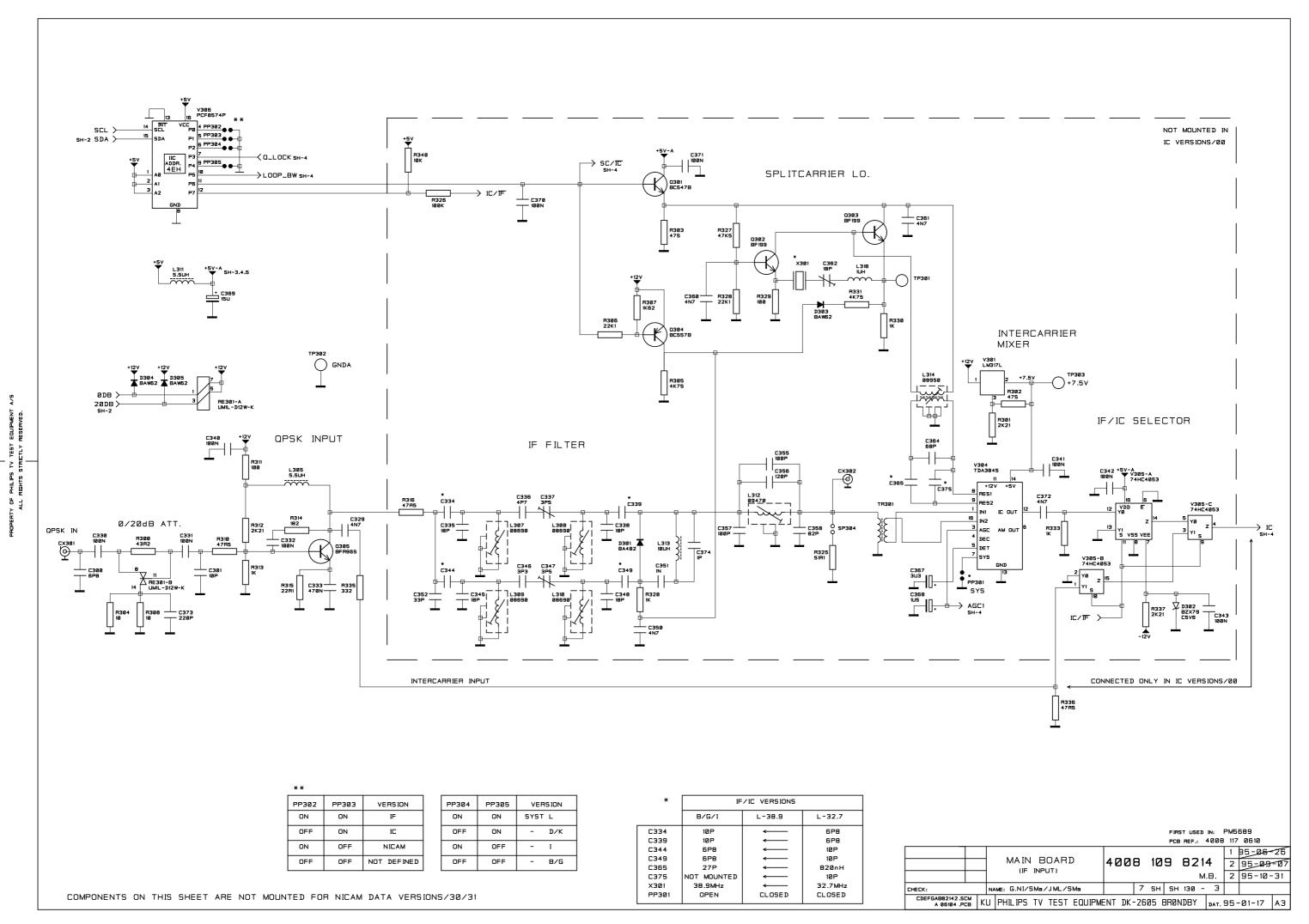
DUAL SOUND MODE O XL1 4

NOT DEFINED MODE O XL1 17

MONO SOUND MODE O XL1 5 CLOCK DA2 NCLOCK3 DA3 2 Di4 Di5 17 Di6 Di7 Di8 WET TO: REARPLATE DA5 DA6 NICAM TP284 NDATA3 © CX202 XI1 16 O-___O XL1 25 C208 ___O XL1 26 0 XL1 27 (CASE) * NOT USED FIRST USED IN: PCB REF.: 4008 117 0610 1 85-08-21 MAIN BOARD 4008 109 8214 2 95-89-06 (MASTER CONTROL) M.B. 2 95-10-31 NAME: SB/SMa/JML/SMa 7 SH SH 130 - 2 BCDEFGA82142 .5CM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 95-02-16 A3

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LEVEL DETECTOR AGC AMP. SC LEVEL ightarrow SCL ightarrow SDA C409 100N SC/IC > SH-3 D405 BAW62 D406 BAW62 → AGC1 SH-3 INTERCARRIER OUT CX481 XD1 2 XD2 2 INTER-CARRIER FILTER QPSK DEMODULATOR O NDATAI XD1 3 XD2 3 -9.5v XD2 4 NDATA1 C428 XD1 4 NCLK1 → NCLOCKI I.CAR. ______C429 SH-2 D408 BB809 CLK C OUT 25 -K L402 33UH R437 475 OSC Ø APC LOOP AMPLIFIER OSC I * * C427 APC 2 а опт I IN Q IN MUTE LOOP_BW > AL. C438 100N LP-FILTER CARRIER R428 V484-A LF353N PHASE TP487 +9.5V C401 GNDA LP-FILTER - C402 - 100N -9.5V -12V V402 LM337L -9.5v FIRST USED IN: PM5689 ** SELECTED PCB REF.: 4008 117 0610 1 85-26-26 IF/IC VERSIONS MAIN BOARD 4008 109 8214 2 95-88-29 L-32.7/38.9 B/G (QPSK DEMODULATOR) D4Ø4 MOUNTED MOUNTED REMOVED M.B. 2 95-18-31 D406 MOUNTED MOUNTED JUMPER NAME: G.NI/SB/SMa/JML/SMa 7 SH SH 130 - 4 2 95-11-03 CHECK: X402 5.85MH 6.552MHz 5.85MH DEFGABC82142.5CM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 95-01-17 A3L COMPONENTS ON THIS SHEET ARE NOT MOUNTED FOR NICAM DATA VERSIONS/30/31

A/D CONVERTER OUT OF RANGE DETECTOR P3.0 P3.1 SDA > 15 P3.3 P3.4 P3.5 LOOP FILTER PHASE DETECTOR SAMPLE PULSE GENERATOR PHASE OFFSET R524 C517 IM 68N BUFFER DIFFERENTIATOR TP504
SAMPLE
PULSE CENTRE FREQ. V5Ø6-A NE5532 POLARITY DETECTOR V511-C 74HCØ4 OUTPUT DRIVERS I/Q SELECTOR TO FRONTPLATE SIGNAL BOARD XE1 ı XE1 4 0 XE1 3 Q CLOCK/2 XE1 7 XE1 g FIRST USED IN: PM5689 PCB REF.: 4008 117 0610 1 85-26-26 MAIN BOARD 4008 109 8214 2 95-08-25 (EYEHIGHT MEASUREMENT) M.B. NAME: GNi/SMa/JML/SMa/JML 7 SH SH 130 - 5 EFGABCD82142 .SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 95-02-03 A3L COMPONENTS ON THIS SHEET ARE NOT MOUNTED FOR NICAM DATA VERSIONS/30/31

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D/A CONVERTER GNDA TP604 —o XF1 ₂ RIGHT RIGHT ___OXF1 | RIGH | AUDIO REAR __O XF1 з YXF1 4 (CASE) C626 RIGHT MONITOR -12V DE-EMPHASIS XIZ 1 O DAC_RES CMPØ 6 XIZ 1 O DAC_RES

XIZ 2 O IZS_WS

XIZ 3 O IZS_CL K

XIZ 4 O IZS_DAT

XIZ 5 O C615

XIZ 7 O SDATAI ACKØ FROM: NICAM DECODER XI2 B O GNDA _0 XF2 2 OXF2 | LEFT AUDIO REAR _o XF2 з Q XF2 4 (CASE) R609-C 22 | L604 | 5.6UH TP603 LEFT C643 GNDA MONITOR VOLUMEN CONTROL MONITOR C618 -O XF3 1 MONITOR
O XF3 2 AUDIO FRONT __о XF3 з SH-2 SDA >-SCL >-RIGHT C631 -12V 6UB MONITOR FIRST USED IN: PM5689 PCB REF.: 4008 117 0610 1 85-26-26 MAIN BOARD 4008 109 8214 2 95-09-07 (AUDIO OUTPUT) M.B. NAME: SB/SMa/JML/SMa 7 SH SH 130 - 6 FGABCDE82142SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 95-02-16 A3L

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FIFO AND BUFFER LINE RECEIVER INV. DATA IN ONDATA2 R715 → NDATA2 ● PP703 C726 100N ** R724 IØK SYMMETRICAL INPUT PP701 → NCLOCK2 * * R725 IØK SH-2 +5V-B TP712 GND PHASE DETECTOR CLOCK REGENERATOR I PROPERTY OF PHILIPS TV TEST EQUIPMENT A/S ALL RIGHTS STRICTLY RESERVED. CLK CTR R707 3K32 E717 V706-8 74HC74 12 5 12 D X-TAL OSCILLATOR +5V-B V710-D 74HC86 _____ TP789 =1 V711-F 74HCØ4 TP711 * NOT MOUNTED ** ONLY MOUNTED FOR IC VERSIONS /00 FIRST USED IN: PM5689 PCB REF.: 4008 117 0610 NOT MOUNTED ASYMMETRICAL INPUT NOM. 0-5V 1 85-26-26 MOUNTED SYMMETRICAL INPUT NOM. ±2.5V MAIN BOARD (NICAM DIGITAL INPUT) 4008 109 8214 2 95-09-07 NOT MOUNTED NORMAL INPUT M.B. PP702 NAME: SB/SMa/JML/SMa 7 SH SH 130 - 7 GABCDEF82142SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 95-02-16 A3L

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