PHILIPS TV T

VIØ1 74HC574 DISCLP> CLPKEY SYPROG DE2 D2 02 → BUPROG 22V10 24 1 VCC 10/CLK DE3 \Box - I⊠/CLK DE4 GENCLK> → HGENØ → HGEN6 HINT_U> RIØ2 392 01 22 HGENB DE5 → HGEN1 →FIELD TO SH-6 HGEN > HGEN > 02 21 HGENB 02 20 HGENIØ 03 TIMA TIMA) R103 392 DEB → HGEN2 TIMB) →HINT → DISCLP HGEN7 13 DE7 → HGENØ HGENI > \rightarrow tima TIMC) ightarrow INS-SWI ightarrowHGENB 14 R106 1K5 \rightarrow SEKCLK HGEN2> \rightarrow TIMB \rightarrow INS-SW2 \rightarrow TO SH-7 R107_ IK5 HGEN9 5 \rightarrow CLK.CH HGEN3> SYPROG> → INS-5W3 / \rightarrow SOURCE_EN <u>□□</u> > HGEN4 7 16 HGEN5 8 17 HGEN1Ø > 7 16 \rightarrow TIMC BUPROG > \rightarrow LOAD → HGEN3 1HPROG) → HGEN4 → HGEN9 IHEXT > CLAMP1 TO SH-7 NEWL INE > R110 392 FASTCLAMP DB → CLAMP2 TO SH-5 → HGEN5 HALFLINE > → HGEN7 2HPROG> R111 392 V102 74HC574 INSRTTIMØ > 2HEXT> NORMAL/BYPASS TO SH-B INSRTTIMI > SECAM > R113 392 R114 392 → EXTISOURCESEL → PROGSOURCESEL > PROGSOURCESEL > TO SH-7 → SYNCGATE1 R115 392 TEXT_EN TO SH-6 DE2 □ p SY-GATE TO SH-8 5 D4 D2 GENCLK 02 SECAM R116 392 DE3
DE4
DE5 ____ PP103 _____ C107 DЭ QЭ →E1 ` . →E2 R118 392 D5 D6 →E3 R119 392 DEB Q6 →E4 DE7 →E5 / D101 BAT85 TEXT-SW TO SH-6 [D_2 > ASØ V103 74HC574 V107 74HC574 AS1 AS2 AS3 →FIRST → HALFLINE RC OUT) OF PHILIPS TV TEST EQUIPMENT RIGHTS STRICTLY RESERVED. DE2 D2 → INSRTTIME SEKCLK> +5∨ ▼ _DE3_ > INSRTTIMI V113 27C4001 DE4 DE5 D5 D6 **Q**5 D5 Q5 > IHEXT LOAD> + DS1 DEB D6 06 Q6 → 2HPROG +5V AS2 DS2 DE7 V1Ø9 74LS161 → 2HEXT D53 EZA, DS4 [<u>D_3</u>} HGEN > DS5 7 6 8 AS6 DS6 AS5 AS7 DS7 AS6 ASB AS7 +5∨ ▼ 26 A9 A1Ø AS9 HGEN1 > HGEN1 HGEN2 > HGEN2 V104 74HC574 25 4 4 A12 HGEN3 AS12 DATABUS> DE1 AS13 28 A13 DE2 AS14 DE3 рэ VIIØ 74LSI61 DE4 D4 D5 D6 SEKCLK> ENT VCC ENE DE5 DE6 ASB VII9 74FCT377 DE7 AS9 AS10 DS6 מח AS18 D_4> DS5 APB RC OUT IJ_{D2} AP7 DS4 B D3 APB D53 AP5 D52 17 D6 D50 +5V ▼ VIII 74LS161 XJ4 10 GENCLK XJ4 20 DACCLK (TO SH-4) GENCLK> D59 AS1 XJ4 40 ___ \SOCCLK A52 DS 10 → PROM ADRESSBUS AS13 TO SHEET 3 AS3 DS11 AS14 8 A4 7 A5 6 A6 5 A7 XJ4 60 XJ4 70 AS4 DS12 AS15 AS5 DS13 AP17 D514 XJ4 BO--- \rightarrow CLPKEY AS6 D514 AP16 D513 XJ4 gO PALID A57 D7 | DS12 AP15 27 A8 A9 A9 A10 A11 A12 ₽рэ XJ4 10 0-→ FBRESET ASB +5∨ ▼ DS11 13 D4 14 D5 AP14 XJ4 11 O A59 V105 74HC574 DS10 AP13 → HGEN A510 XJ4 12 O-AP12 D59 A511 → NEWL INE XJ4 13 O---VII2 74LSI61 10 16 7 A512 XJ4 15 O-AS13 DE2 XJ4 16 0 D2 AS14 DE3 GENCLK)-5 D3 AS15 AS17 6 D4 7 D5 8 D6 AS16 FIRST USED IN: PM 5655 /U2 AS18 DE5 PCB REF.: 4008 117 0578 DE6 1 95-08-24 GENERATOR BOARD RC OUT 1 84-23-14 AS17 GENERATOR PM 5655 G U.2 4008 109 8091 1 84-08-25 LD_5 > 8 SH SH 130 -2 1 84-12-24 NAME: SNJ/JML CHECK: BCDEFGHABBSII .SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 93-10-11 A3L

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Y U V BUS HGENØ> +5V V165 74F574 HGENØ> VCC VCC Y6 Y6 D2 02 D2 **Q2** Y4 Y4 рэ Q3 DЭ 03 D4 D5 D6 D7 CLK YЗ Y3 D4 D5 Q4 Q4 Q5 Y2 Q5 Y2 ΥI 07 GND 10 79 +5V 4Ø VCC VCC VCC 32 CLK.CH >—" +5V 4Ø 107 CLK.CH > 94 HGENØ> +5V VI66 720 74F574 \ UI HGENØ> 80 73 ∖ U2 V162 74F574 22 A1 OB ACC HGEN2 HGEN3 _ U3 22 AI
23 A2
24 A3
25 A4
25 A4
26 A7
28 A7
29 A8
31 A9
31 A1
35 AII
36 AI4
37 AI5
39 AI6
39 AI7
1 VPP HGEN2 HGEN3
AP4
AP5
AP6
AP7 23 24 A2 A3 U2 81 DI QI VCC 19 U1 U5 D2 AP4 **Q2** DI U2 U1 25 A4 A5 A6 AP5 AP6 AP7 DЭ UØ \ U6 QЭ 67 68 69 D2 Y11 **∪**7 D4 ΠØ рэ D5 D6 D7 CLK 6 D4
7 D5
8 D6
9 D7
CLK Y11 28 A6 A7 A8 A9 A12 A12 A11 Y9 APB APB Q6 120 91 119 Y10 AP9 AP10 AP9 AP10 Y9 ADELØ APII APII ADEL1 DIØ 106 AP12 ADEL2 92 34 35 A12 A13 API3 AP13 ADEL3 D12 D12 43 AP14 AP15 API4 API5 CLK.CH > D13 D13 38 36 A14 37 A15 38 A16 SINI 39 82 44 83 49 84 45 85 50 86 51 87 56 88 57 89 62 810 D14 D14 SIN2 API6 API7 CLK.CH > AP16 D15 SIN3 38 A16 A17 VPP SIN4 OE 20 OE 20 HGENØ> SINS +5V ▼ SINB HGENØ> SIN7 V188 TMC2249A CE GND GND CE GND GND SINB 2 11 30 2 11 30 VCC 19 VCC 19 SINS ٧Ø VØ DI QI DI D2 QI SINIØ 62 B10 B11 ENB ENB BDELØ U9 U9 D2 **Q2** 02 SINII U8 U7 рэ Q3 рэ U8 D4 D5 D6 D7 CLK U7 U6 U6 DIGVIDE02 U5 Q6 DIGVIDE03 DIGVIDE04 BDEL3 108 20 DIGVIDEO5 +5V CLK.CH +5V V174 27C4096 +5V DIGVIDE06 CLK.CH > V172 27C4Ø96 96 C2
95 C3
78 C4
83 C5
62 C6
77 C7
72 C8
76 C9
71 C10
78 C11 DIGVIDE07 HGENØ> HGENØ> DIGVIDE08 | HGENI | 21 |
| HGEN2 | 22 |
| A8 |
| HGEN3 | 23 |
| A7 | 24 |
| A8 |
| A7 | 24 |
| A8 |
| A8 |
| A9 |
| A9 |
| A1 |
| A8 |
| A9 |
| A1 |
| A9 |
| A1 |
| A9 |
| A1 |
| A 511 PHILIPS RIGHTS S S12 18 DIGVIDEO9 V2 22 A1 A2 A2 A3 A2 A5 A5 A6 A7 A8 A9 A8 A10 A9 A10 HGEN2 _ V3 DIGVIDEO10 VΒ 513 HGEN3 DIGVIDEO11 ACC ACC ٧7 V4 → DIGVIDEO BUS V5 VB AP5
AP6
AP7
AP8
AP9
AP10 D3
D4
D5
D6
D7
CLK V6 DI D2 QI V6 ٧7 V5 Q2 V7 5 D3 D4 D5 B D6 D7 CLK V6 V4 Q3 Q4 Q5 Q6 ∨ ve V5 V4 VЭ +5V ▼ 97 98 110 V185 +5V CY7C263 24 VЗ CDELØ APII +5V 24 33 A10 A11 A12 A13 A13 A14 CDEL1 109 85 41 AP12 SUBCØ CDEL2 SUBC1 7 A1 AP13 CLK.CH > D12 CDEL3 AP14 SUBC2 D1 | 11 | 13 | 14 | SINØ | 15 | SINI | 16 | SIN2 | 17 | SIN3 | 17 | SIN3 | 18 | SINS | 17 | SINS | 18 D13 D13 SUBC3 5 AP15 48 48 D1 48 D2 47 D3 46 D4 54 D5 53 D6 52 D7 37 38 A15 A16 CLK.CH > SUBC4 4 A4 D15 D15 SUBCØ SIN2 SUBC5 3 SUBC6 2 SUBC7 1 SUBC8 23 A8 AP17 SUBC2 SIN3 Œ SIN4 SUBC4 SUBC5 SINS VPP +5V +5∨ SINB SUBC3 CE GND GND CE GND GND SUBC9 22 A9 SUBC10 21 A10 SIN7 52 D7 58 D8 59 D9 64 D18 65 D11 C52 C5T C53 GND SINB SUBCII SETPHØ SINS SUBC12 SETPHI SINIØ PROM ADRESS BUS> SINII 27 1 END V186 +5V CY7C263 24 DDELO 28 DDEL1 +5V 24 VCC DØ 42 DDEL2 SUBC0 B A0 A0 A1 SUBC2 6 A2 V184 22V10 5 IN4 14 SOCCLK> FBRESET> 02 28 00 22 21 02 20 03 19 18 SUBC2 5 A2
SUBC3 5 A3
SUBC4 4
SUBC5 3
SUBC6 2 A6
SUBC7 1
SUBC7 1
SUBC7 2 A7 VIB1 PCF8574P 13 SUBC6 SOCCLK> UNIT-SCL > SUBCB 05 17 06 16 07 15 08 14 SETPHI SUBC10 PALID > UNIT-SDA > SETPH2 SUBC11 06 07 16 SETPH3 SETPH3 SUBC9 SUBCB 23 SUBC9 22 A9 SETPH4 SETPH4 SUBC7 SUBCIO 21 AIO SETPH5 SETPH5 CS2 CST CS3 GND. SETPH6 SETPH6 FIRST USED IN: PM 5655 /U2 SUBC11 SETPH7 PCB REF.: 4008 117 0578 1 95-08-24 GENERATOR BOARD 1 94-03-14 FULL FIELD GENERATOR 4008 109 8091 1 94-08-02 PM 5655 G U.2 NAME: SNJ/JML 8 SH SH 130 - 3 | 1 | 84-108-25 CHECK: CDEFGHABBOSII .SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 93-10-11 A3L

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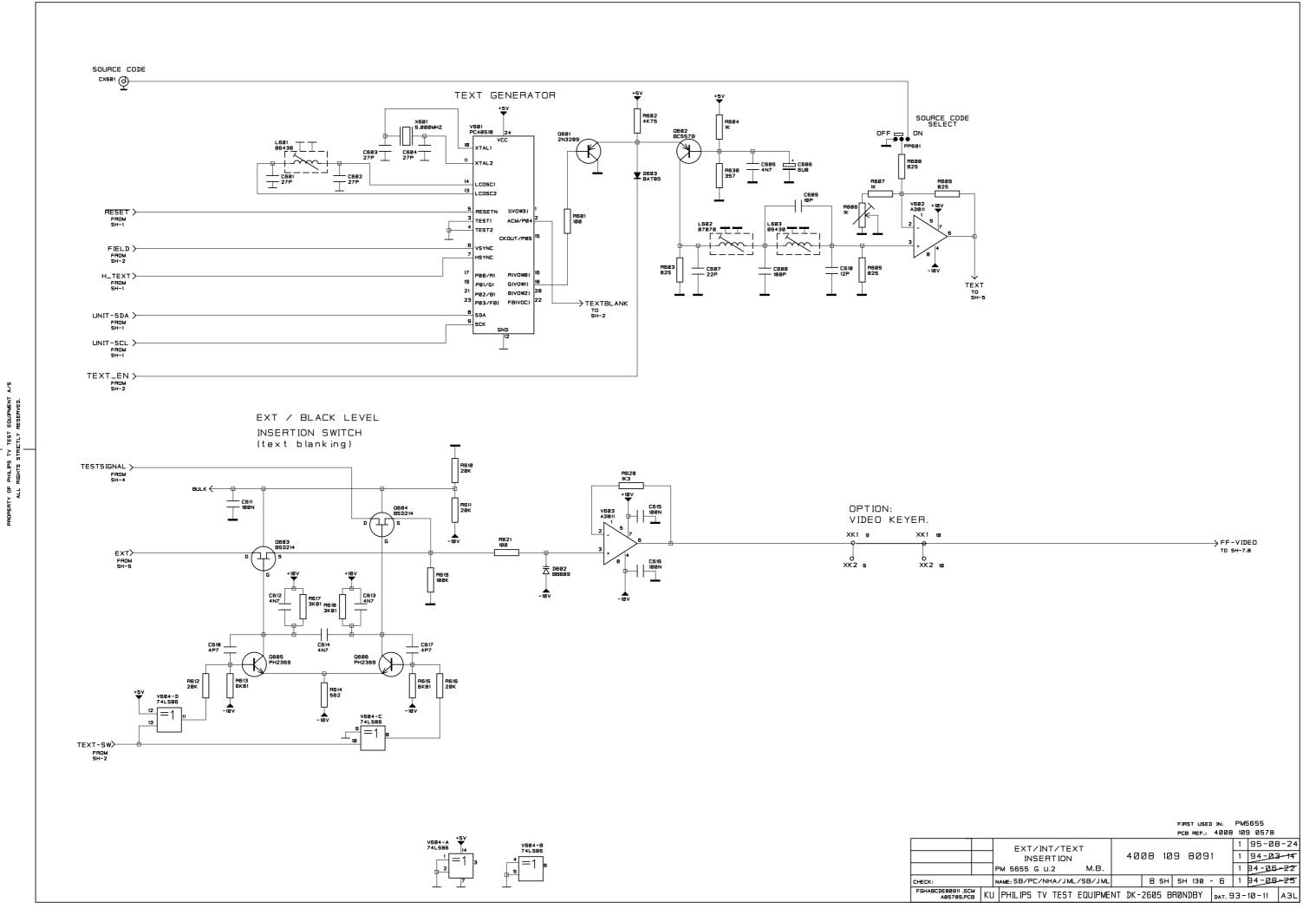
SIGNAL CLAMP test switch DACCLP R327 OFFSE 1201ADJ. Y-DAC +5V C334 LOW-PASS FILTER DACCLK> ____FT C326 82P C313 100P R301 R302 24R3 100R → TESTSIGNAL 1 D9 24 D8 23 D7 V3Ø3 -1ØV GAIN ADJUST C327 R309 L302 B.2UH C314 390P C311 47P SIN X/X ADJ. CHROMA-DAC - C34Ø DACCLK> _____FT DIGVIDEO0 4 DIGVIDEO1 3 DIGVIDEO2 2 DIGVIDEO3 1 DIGVIDEO3 1 DIGVIDEO4 24 D8 DIGVIDEO5 23 D7 DIGVIDEO6 9 D6 DIGVIDEO8 11 D4 DIGVIDEO9 12 D3 DIGVIDEO10 13 D2
DIGVIDEO11 14 D1 DIGVIDEO BUS > TPI TP2 TP3 TP7 TP4 TP5 TP8 C441 C448 - C(350-378) + C381 + C382 - 100N + 68U + 68U C409 C410 C411 FIRST USED IN: PM 5655 PCB REF.: 4008 117 0578 GENERATOR BOARD DAC + FILTER 1 95-08-22 1 94-83-14 4008 109 8091 PM 5655 G U.2 1 84-08-25 м.в. 8 SH SH 130 - 4 1 84-09-26 NAME: NH/JML CHECK: DEFGHABCB8911.5CM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 93-10-11 A3L

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75%

KEY BUFFER EXTIA 💁 R202 110K CX201 KEY_IN > L206 07330 PP203 R201 75 0.1% ЕХТІВ 💁 PP202 \rightarrow EXT1_OK DACCLP> REF_DET PRE_IN EXT1B EXT1A OPTION_PRESENT > LOOPED THROUGH FEEDBACK CLAMP FILL R215 IK5 OFFSET ERR OFFSET ADJ. EXT 2 OK EXT2_OK ADJ. OPTION_PRESENT +10V R225 IK5 FORWARD R275 LEVEL 357 I PROPERTY OF PHILIPS TV TEST EQUIPMENT ALL RIGHTS STRICTLY RESERVED. R223 82K5 +5V ASYNKRON DET REF_SYNC> \rightarrow EXT3_OK FORWARD CLAMP OPTION_PRESENT > >EXT3_DET_PRESENT FORWARD OFFSET ERR V204-B LF353N R235 IK5 EXT 4 @ CX205 REF_SYNC> \rightarrow EXT4_OK OPTION_PRESENT > TEXT > TO SH-6 L202 2.7UH E5> FROM SH-2 REF_VIDEO > ≺EXT2_OK UNIT-SDA > ∠EXT3_OK ≺EXT4_OK FIRST USED IN: PM5655 . EXTI_DET_PRESENT * = OPTIONAL PCB REF.: 4008 117 0578 ⟨EXT2_DET_PRESENT 1 95-08-24 EXT/VIDEO KEY 4008 109 8091 1 84-89-26 INPUT → OPTION_PRESENT PM 5655 G U.2 1 94-88-25 NAME: NH/JML/SB 8 SH SH 130 - 5 1 94-03-14 EFGHABCD88911.SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 93-10-11 A3L

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20.79

OPTION: VIDEO PROCESSOR / KEYER -0 XK1 1 EXT1-P > -0 XK2 1 -0 XK2 2 __O XK1 2 O XL2 1 —0 XK1 з __О XK2 з —0 XL1 ₂ -0 XL2 2 -10V +10V ₩OXKI 4 ₩-0 XK2 4 HINT >----O XL1 -0 XL2 ₃ VIDEO-KEY> —OXK1 5 VIDEO-KEY > -0 XK2 5 FIELD > O XL1 4 FIELD > -0 XL2 4 —oxki в —0 XK2 в -0 XL1 5 -0 XL2 5 R726 5K62 OXKI 7 -0 XK2 7 О XL1 в 0 XL2 6 UNIT-SDA> SECAM OXKI B OXK2 B BLACK LEVEL R729 UNIT-SCL> UNIT-SCL> MRES> MRES >--- O XL1 9 —0 XL2 g ⊕oxki ii —0 XK2 ⊪ SYNCGATE1 >---- O XL1 18 SYNCGATE1 >--- O XL2 10 ₩-0 XK2 12 O XL1 11 YØ>----O XL2 II - C720 - 100N -O XK1 13 n.c. 0 XL2 12 ₩-0 XK2 14 n.c. 0 XL2 13 R728 5K62 **PROGRAM** OXK2 15 n.c. 0 XL2 14 O XL2 15 INSERTION SWITCH FF-VIDEO > FROM SH-8 KASI ROGRAM CLAMP OPTION: C702 C783 VIDEO PROCESSOR └0 XK2 13 O^{__} XK2 16 OPTION: SOURCE CODE/ I NOPERTY OF PHILIPS TV TEST EQUIPMENT ALL RIGHTS STRICTLY RESERVED. VITS DETECTOR 0707 BC547B PROG IN C786 68U → PROG-S PROG-S> →BY-PASS TO SH-8 INS-SW3 > PROGVIDEO PROGSOURCESEL > V801-C 74LS86 → SPGVIDEO TO SH-1 EXT4-P EXTI-P> FROM SH-5 FIRST USED IN: PM 5655 /U2 PCB REF.: 4008 117 0578 1 95-08-24 GENERATOR BOARD PROGRAM INPUT 1 94-83-14 4008 109 8091 PM 5655 G U2 1 84-06-22 M.B. EXTISOURCESEL> NAME: SB/JML/SB/JML 8 SH SH 130 - 7 | 1 | 84-08-26 GHABCDEF80911 .SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 93-10-11 A3L

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SYNC/ BLACK BURST AMPLIFIER SYNC OUT R806 100K SY-GATE >-FROM SH-2 TEST SIGNAL **AMPLIFIER** FF-VIDEO >-FROM SH-7 TESTSIGNAL BY-PASS RELAY MONITOR DRIVE AMPL IF IER MONITOH CC. (FRONTPLATE) MONITOR OUT NORMAL/BYPASS> PROGRAM OUTPUT **AMPLIFIER** TEST OUT PROG> FROM SH-7 PP805 PROG OUT FIRST USED IN: PM5655 U2 PCB REF.: 4008 117 0578 BY-PASS> FROM SH-7 1 95-08-24 GENERATOR BOARD BY-PASS RELAY 4008 109 8091 1 94-83-14 PROGRAM OUTPUT PM 5655 G U.2 1 84-06-22 8 SH SH 130 - 8 1 84-08-25 DELAY COMP. NAME: SB/JML CHECK: HABCDEFGB8911 SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT. 93-10-11 A3L

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