VIDEO CONTROL CPU ROM RAM ADDR. PXO LATCH NOT MOUNTED R3 2K67 IIC. INTERFACE J1 3 O UNIT-SCL JI 4 O UNIT-SDA 4 P1.3 A15 2 PSEN > HAM > → PSEN JI 8 0 MRES
JI 5 0 FRAMEINT → CHIOFF 11 TXD 12 INTE → CH20FF ADDRESS → CH3OFF DECODER \rightarrow MRES ÷s1 →52 → PROG 1/01 → HELPERU 1/02 1/03 16 1/04 15 1/05 14 \rightarrow DC10 SUB POWER SUPPLY → DC11 → DC12 → DC13 → DC15 \rightarrow DC16 J2 18 O-→ DC17 - C(3-8) - 188N <u>∟73</u>≻ J2 70-J2 8 0-- C(24-26) - 188N C(53-55) - C|33-34| # C57 ± 522 \rightarrow DC2 \rightarrow DC3 R2 332 → DC4 J2 23 O → DC5 , → DC6 → DC7 \rightarrow DCB \rightarrow DC9 J2 19 ⊖--6V-C J2 22 O J2 1 0-J2 2 0-J2 14 0-J2 15 0-C135-511 4 C31 J2 3 0-J2 4 o-J2 16 0-J2 17 0-FIRST USED IN: PM5644G/85 PP2Ø 4008 117 0609 PCB REF.: 1 95-06-16 J2 12 _O PALPLUS GENERATOR 4008 109 8195 J2 13 _O CONTROL & POWER J2 25 _O J2 26 _O 6 SH SH 130 - 1 ABCDEFBI951 SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 94-11-02 A3L

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SINEWARE TO TTL CONV. H-COUNTER/LOGIC DECODER V46 +5V 22VID 2 ___>CLK/2U CLKPLD> CARRY CLK/2U 3 12 4 12 ENBU CARRY ENIU ABU EN2U A9U BLANKU> → BLANKU ENSU CONTROL SIGNALS A2U A2U AIBU OS IB CLK.CHIU ABU PROG > 06 17 CLK.CH2U 07 16 CLK.CH3U CHIOFF →CLK4.5U \rightarrow oddu ABU 07 | 16 → HREFU 08 | 15 → CLK2.25U ABII 07 16 CH20FF → CARRY B2 16 → CLK B3 15 → DACCLK OB 15 A1U ABU CH30FF → L DCHOFF A18U 18 19 A2U 09 14 → FHU →BITCLKU 50 CLKPLD AIIU II 51 PROG> 13 PROG > R38 150 R39 332 PROG >-HTRIG >----OJ1 18 CLKLC> CH20FF> \rightarrow CH2_OFF SEGMENT COUNTER HREF> CH3OFF> \rightarrow CH3_OFF HELPERU> → HELPER CLK9>-ODD> SYNC625> MRES > -OJ1 16 LDCHOFF> CLK2.25 > 2 C EMEU CLK4.5U \rightarrow CLKLC HREFU $\stackrel{\cdot}{
ightarrow}$ HREF EN2U ENZ CLK2.25U → CLK2.25 SEGMENT DECODER EN3U EN3 → FH CLK.CHIU Q5 18 CLK.CHI BITCLKU → CLK9 06 17 CLK CH2 CLK.CH2U ODDU \rightarrow odd CLK.CH3U 07 16 CLK.CH3 HDRIVEU → HTRIG SYNC625U → SYNC625 DC3> DC4> AS2 DS2 A52 CLKPLD> DC5> CI KPI D > D53 AS3 AS3 D53 D4 18 D54 AS4 CLK2.25 >-DS5 D6 20 D56 LDC> D7 21 DS7 ASB +5V +5V <u> 459</u> ASIØ 23 A18 CLK/2 DC6> → ENØ-3 DC7> AS13 ASI3 28 A13 CLK.CH1-3 OC 12 AS18 DC8> AS14 AS14 29 A14 PROM ADDRESS AS15 AS15 CLK2.25 > APS A519 LDC> D53 6 D4 D52 7 D5 D51 8 D6 D50 9 D7 CL AS17 ASIB V37 74HC161 AP6 V48 27C4881 V44 27C4001 13 AP5 DC10 > D59 DS 18 CLK2.25 🎾 AS14 DC12 > DS11 D3 17 DS11 D4 18 DS12 V42 74HC574 DC13 >-D4 18 DS12 D5 19 D513 D6 20 D514 D7 21 D515 DS15 2 DE DS14 3 D1 DS 19 DS 13 AS5 CLK2.25 > D5 20 D514 18 API8 AS6 DS13 4 D2 7 AP17 DS13 4 DS12 5 DS11 6 DS18 7 DS9 8 DS9 9 D7 CLK AP16 LDC> 15 AP15 23 A18 25 A11 4 A12 28 A13 ASIØ AP14 13 AP13 AS11 ASII AS12 AS13 QB 13 AS17 DC15 > QC 12 AS18 AS15 CL K2 25 > DC16 > DC17 > FIRST USED IN: PM5644G/85 4008 117 0609 PCB REF.: CLK2.25 > 1 95-06-16 PALPLUS GENERATOR SEGMENT & H-COUNTER 4008 109 8195 AS17 AS17 LDC> ASIB 6 sh sh 130 - 2 CHECK: ASØ-19 - ADRESS SEGMENT PROM BCDEFABIBSI SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRONDBY DAT 94-11-02 A3L

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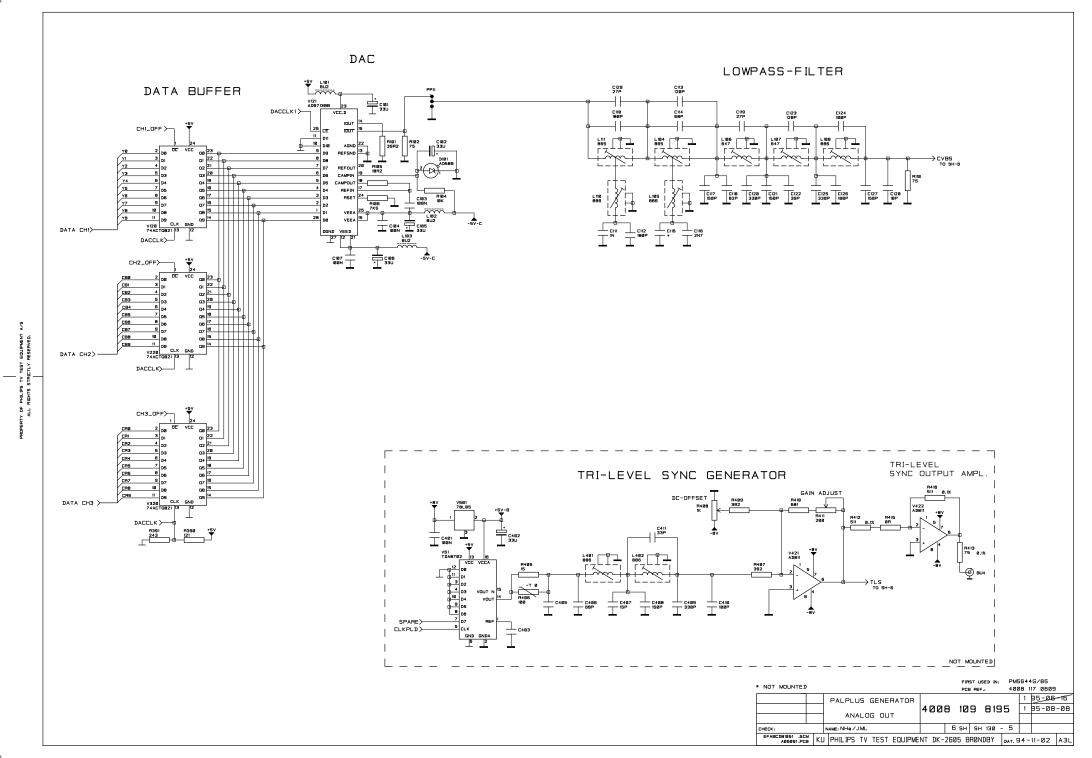
MEMORY BANK 1 CLK> EN2 > R55 121 +5V R57 121 VIØ2 74ACTQB21 V184 74ACTQ821 VIØ6 74ACTQB21 22 AI 23 A2 25 A2 25 A4 26 A5 27 A6 28 A7 CLK.CHI CLK.CHI CLK.CHI FNI > 29 A8 A9 A10 A10 A11 A12 A13 A14 A15 A16 A17 VPP ENT> CLK> +5V | VPP | CE GND GND | 2 | 11 | 38 +5V 2 11 38 CE GND GND CE GND GND 2 11 38 +<u>5</u>∨ CLK/2 CLK.CHI CLK.CHI V207 27C4096 CLK.CHI CLK.CHI > 23 ^1 24 A3 25 A3 26 A5 27 A6 28 A7 25 A4
26 A5
27 A6
29 A7
31 A9
32 A10
33 A11
34 A12
35 A13
36 A14
37 A15
38 A16
39 A17 26 A5
27 A6
28 A7
29 A8
31 A9
32 A18
34 A12
35 A13
36 A14
37 A15 29 48 31 A9 A10 32 Aig 33 Ail 34 Ai2 35 Ai3 36 Ai4 37 Ai5 38 Ai6 39 Ai7 38 39 416 417 VPP D15 | VPP +5V CE GND GND CE GND GND 2 11 38 2 11 38 2 11 38 CLK.CH2 > 13 12 CLK.CH2 > 13 12 CLK.CH2 > 13 12 CLK.CH2 > 13 12 PROM ADDRESS AP2-19 > SYNC & TRIG GENERATOR CLK/2B 2 → SYNC625U HDRIVEU FIRST USED IN: PM 5644G/85 4008 117 609 08 IS SPARE
09 HELPER PALPLUS GENERATOR 1 95-06-16 4008 109 8195 MEMORY BANK 1 (FROM V4B+V27) ı∧we: NHa ∕ JML 6 sh sh 130 - 3 CHECK: CDEFABBIBST SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 94-11-03 A3L LDC>

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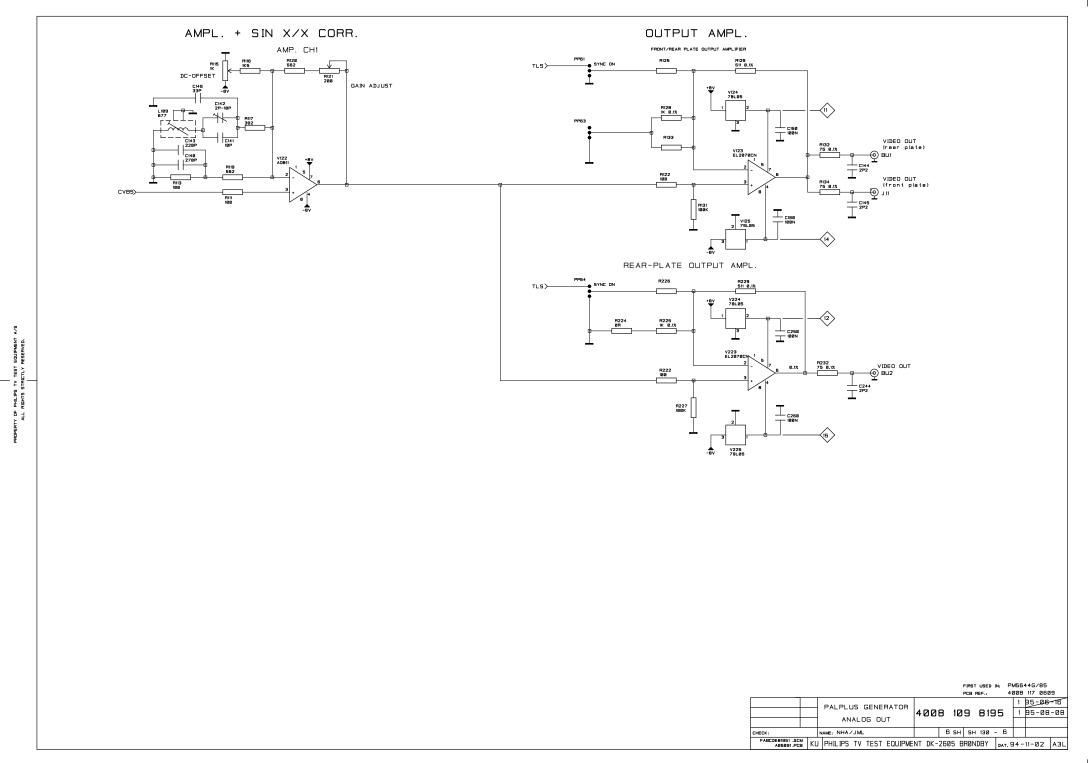
MEMORY BANK 2 D200-209>-FROM SH-3 CLK> ENØ> +5∨ V212 74ACT0821 V218 74ACTQB21 22 A1 A2 A2 A3 A4 22 A1 23 A2 24 A3 25 A4 22 AI 23 A2 24 A3 25 A4 CLK.CH2 CLK.CH2 DATA CH 2 26 A5 27 A6 28 A7 29 A8 31 A9 26 A5 27 A6 28 A7 29 A8 31 A9 27 28 A6 CLK.CH2 > ENØ> 29 A8 31 A9 32 AIØ 32 A 12 D18 33 A11 33 A11 33 AII 34 AI2 35 AI3 36 AI4 34 A12 35 A13 36 A14 34 A12 D12 35 36 A14 37 A15 A16 37 A15 37 A15 37 38 A15 38 A16 38 A16 39 A17 39 A17 39 A17 ᆝᄱ VPP +5∨ ▼ CE GND GND CE GND GND CE GND GND CE GND GND CLK/2) 13 III CLK.CH3 CLK.CH3 CLK.CH3 CLŔ.CH3 V3Ø3 27C4Ø96 V385 27C4896 V307 27C4096 22 A1 23 A2 24 A3 22 AI 23 A2 24 A3 25 A4 22 A1 23 A2 22 AI 23 A2 25 A4 25 A4 26 A5 27 A6 28 A7 29 A8 31 A9 32 A18 26 A5 27 A6 28 A7 27 28 A5 29 AB 32 A18 33 A11 34 A12 32 AIØ 33 AII 34 AI2 EN3 > 33 A11 34 A12 35 A13 V318 74ACTQ821 35 A13 35 A13 D13 36 A13 37 A15 38 A16 39 A17 VPP 36 A14 D14 D15 D14 D15 37 A15 38 A16 39 A17 37 A15 CLK/2> 38 39 A16 +5V | VPP | CE GND GND | 2 | 111 | 38 2 II 38 CE GND GND CE GND GND CLK.CH3 CLK.CH3 >— CLK.CH3 🔎 CLK.CH3 > PROM ADDRESS FIRST USED IN: PM 5644G/85 PCB REF.: 4008 1170609 1 95-06-16 PALPLUS GENERATOR 4008 109 8195 MEMBANK 2 NAME: NHa./JML 6 SH SH 130 - 4 CHECK: DEFABCSISSI SCM KU PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY DAT. 94-12-05 A3L

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