RECTIFIER

XP1 1 · XP1 2 · AC · C301 100N · XP1 3 · XP1 4 · XP1 5 · AC · C302 100N · XP1 6 · XP1 7

D303 SB360 · D304 SB360 · L301 10UH · C305 680N · C303 3300U · C304 3300U · C306 100U

D307 SB360 · D308 SB360 · C307 680N · C308 3300U

POWER SUPPLY

+14V · +14V UREG · RE1-B DS4-12V · L303 · C315 100U · VSTANDBY

DC/DC CONVERTER

V301 L296 — 3 V+ · 10 FB IN · 1 CRB IN · 12 RS IN · 2 OUTPUT · 4 C LIM · 5 S ST · 15 CRB O · 9 COMP · 7 SYNC · 11 OSC · 14 RS O · 13 RS DEL · 6 INH · 8 GND

* R301 · C310 3U3 · C311 330P · C312 33N · R302 15K · R303 10K · C313 2N2 · C314 3U3 · R304 1K · +5V

L304 160UH160UH · D309 SB360 · C316 220U · C317 220U · C[318-329] 100N · C330 6U8 · C331 6U8 · C332 6U8 · C333 6U8 · C334 6U8 · +5V-A

TO SHEET 3.4.5 AND XO1 · +5V · C396 6U8 · RE1-D DS4-12V · TO J2 · +5V · RE1-E DS4-12V

NEGATIVE BUCK CONVERTER

V302 LT1070 — 5 VIN · 4 VSW · GND · VC · FB 2 · 3 · 1

D310 SB360 · L305 150UH · C337 100U · C338 100U · R307 7K5 · L307 · C339 6U8 · -8V

Q301 BC557B · R308 1K · R309 332 · V306 LM337 · -5V-A · C340 100N · C341 33U · C342 33U

C335 100U · R305 1K · C336 3U3 · R306 1K3 · L306 · L302 · RE1-C DS4-12V · C395 100U · C389 100U · -14V

+10V · J2 9 · J2 10

SPGVIDEO FROM SH-3 · J2 11 · J2 13 · J2 15 · J2 17 · -10V · J2 19 · J2 20

J2 12 · J2 14 · J2 16 · PROGVIDEO FROM SH-3 · J2 18

+5V · J2 1 · J2 2 · J2 3 · J2 4 · J2 5 · J2 6 · J2 7 · J2 8 · J2 23 · J2 24 · J2 25 · J2 26 · -5V-A

SOURCE_EN · UNIT-ACK · UNIT-SCL · UNIT-SDA · MRES · HINT · FIELD · FRAME · FBINT · SYNCAV · LOCK · RESET FROM SH-2 · FASTCLAMP · HTEXT

XJ3 1 · XJ3 2 · XJ3 3 · XJ3 4 · XJ3 5 · XJ3 6 · XJ3 7 · XJ3 8 · XJ3 9 · XJ3 10 · XJ3 11 · XJ3 12 · XJ3 13 · XJ3 14 · XJ3 15 · XJ3 16

TP309

VOLTAGE REGULATORS

+14V · V304 LM317T · +10V · 3

R360 243 · C343 100N · C351 100N · R361 1K82 · R362 26K7 · C344 15U · C[1345-3461] 100N

C352 100N · R312 1K82 · R363 26K7 · C347 100N · R313 243 · C348 15U · C349 100N · C358 100N

-14V · V305 LM337 · -10V · 4

FAN CONTROL

VSTANDBY · V608 LM317T · C606 1U5 · L602 6.2UH · C602 6U8 · C603 100N · XG1 1 · XG1 2 · XG1 3

R609 2K21 · R604 2K · R608 8K25 · R605 1K5 · Q601 BC547B

+5V · R610 1K · R611 1K5 -T 0 · V606 PCF8591P — VREF · VDD · AIN0 · AIN1 · AIN2 · AIN3 · AOUT · A0 · A1 · A2 · IIC ADDR. · OSC · SDA · SCL · EXT · VSS · AGND

TO SH-2.4 { UNIT-SDA · UNIT-SCL }

NOT MOUNTED
XT2 1 · XT2 2 · XT2 3 · XT2 4 · XT2 5 · XT2 6 · XT2 7 · XT2 8 · XT2 9 · XT2 10 · XT2 11 · XT2 12 · XT2 13 · XT2 14 · XT2 15 · XT2 16

VSTANDBY

R394 182 · D390 BAW62 · C390 100N · C391 100N · RE1-A DS4-12V

+5V · R391 10K · R390 10K · POWERDOWN FROM SH-6 · Q390 BC557B · Q391 BC547B · R393 10K · R392 10K

+5V-A: H53 H54 H55 H56 · H57 H58 H59 H60 · H61 H62 H63 H64

+5V: H44 H45 H46 H47 · H48 H49 H50 H51 · H40 H41 H42 H43

TP301 TP302 TP303 TP304 TP305 TP306 · H100

* NOT MOUNTED

FIRST USED IN: PM 6555/U1
PCB REF.: 4008 117 0577

		POWER SUPPLY	4008 109 8092	1	95-09-04
		PM6555/U1 M.B.		1	~~94-05-31~~
				1	~~94-08-22~~
CHECK:		NAME: NH/SNJ/JML/SB/JML	6 SH SH 130 - 1	1	~~94-08-23~~
ABCDEF 80921 .SCM A 85775 .PCB	KU	PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY	DAT. 93-04-06	A3L	

MASTER CONTROL

ADDR.LATCH

PROGRAM EPROM

RAM

E 2 PROM

OPTION: SOURCE CODE

FIRST USED IN: PM 5655/U1
PCB REF.: 4008 117 0577

		POWER SUPPLY	4008 109 8092	1	95-09-04
				1	~~94-08-22~~
		PM5655/ u1 M.B.		1	~~94-08-23~~
CHECK:		NAME: PC/SNJ/JML	6 SH SH 130 - 2	1	~~94-09-19~~
BCDEFA 08921 .SCM A 05775 .PCB	KU	PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY		DAT. 93-04-06	A3

28.7%

75%

SPGCLPKEY
FROM SH-5

R29 10K
Q3 BC557B
V10-A LF353N
R32 10M
C19 2N2
R28 10K
V8 CA3080
C22 22P
L8 68UH
C28 220P
R20 1K
R21 1K21
R24 619
R22 1K21
V9 AD811
C18 1U5
R19 100
R18 26K7
SPGVIDEO
FROM SH-4
V10-B LF353N
R4 82R5
C4 68P
C2 82P
L1 2.7UH
C1 100P
C3 330P
C5 220N
C21 68P
R7 2K21

+SPG
-SPG

Q5 BF256A
R8 681
Q4 BC557B
R9 100
D1 BAT85
R10 3K32
D2 BAT85

+5V
L3 2.7UH
C11 33U
C10 33U

V3 TDC1038
VCC1 VCC2 VCC3
AGND1 VIN1 VIN2 VIN3 VIN4 VIN5 AGND2 NMINV RT NMINV VIN1
MSB O1 O2 O3 O4 O5 O6 O7 LSB D8 RM CONV DGND2
SPGVIDEO7 SPGVIDEO6 SPGVIDEO5 SPGVIDEO4 SPGVIDEO3 SPGVIDEO2 SPGVIDEO1 SPGVIDEO0
VEE1 VEE2 VEE3

SPGVIDEO BUS
FROM SH-4

SPGCLK
FROM SH-5

C6 33U
V4 LM337L
R12 150
R11 243
C13 33U
-5V-A
L2 2.7UH
C12 33U
C7 33U

+10V
-10V
L4 2.7UH
L5 2.7UH
C14 15U
C16 100N
C23 100N
C15 15U
C17 100N
C25 100N

V2 CA3080
* C9 330P
R17 1M
R15 1M
R13 392K
* C8 100N
R16 30K1
R14 7K5

SPGCLAMP

SPGCLK
FROM SH-5

V5 22V10
V6 22V10
V7 22V10
VCC
I0/CLK
O8 O1 O2 O3 O4 O5 O6 O7 O8 O9
GND

SPGVIDEO00 SPGVIDEO01 SPGVIDEO02 SPGVIDEO03 SPGVIDEO04 SPGVIDEO05 SPGVIDEO06 SPGVIDEO07
GATE ELINE
RESET LPFILT
LEVEL
FROM SH-4
E8 E7 E8 E9 E10 V1 NS
E0 E1 E2 E3 E5 ELINE CA E4
CA RESET LPFILT
E7 E8 E9 E10 V1 LATEV GATE E6
FROM SH-4 SPGINTERN
LEVEL
LATEV
SPGHALF

SPGEVI
TO SH-4
SPGNS
TO SH-4
SPGELINE
SPGCLAMP
EXTCLPKEY

* NOT MOUNTED

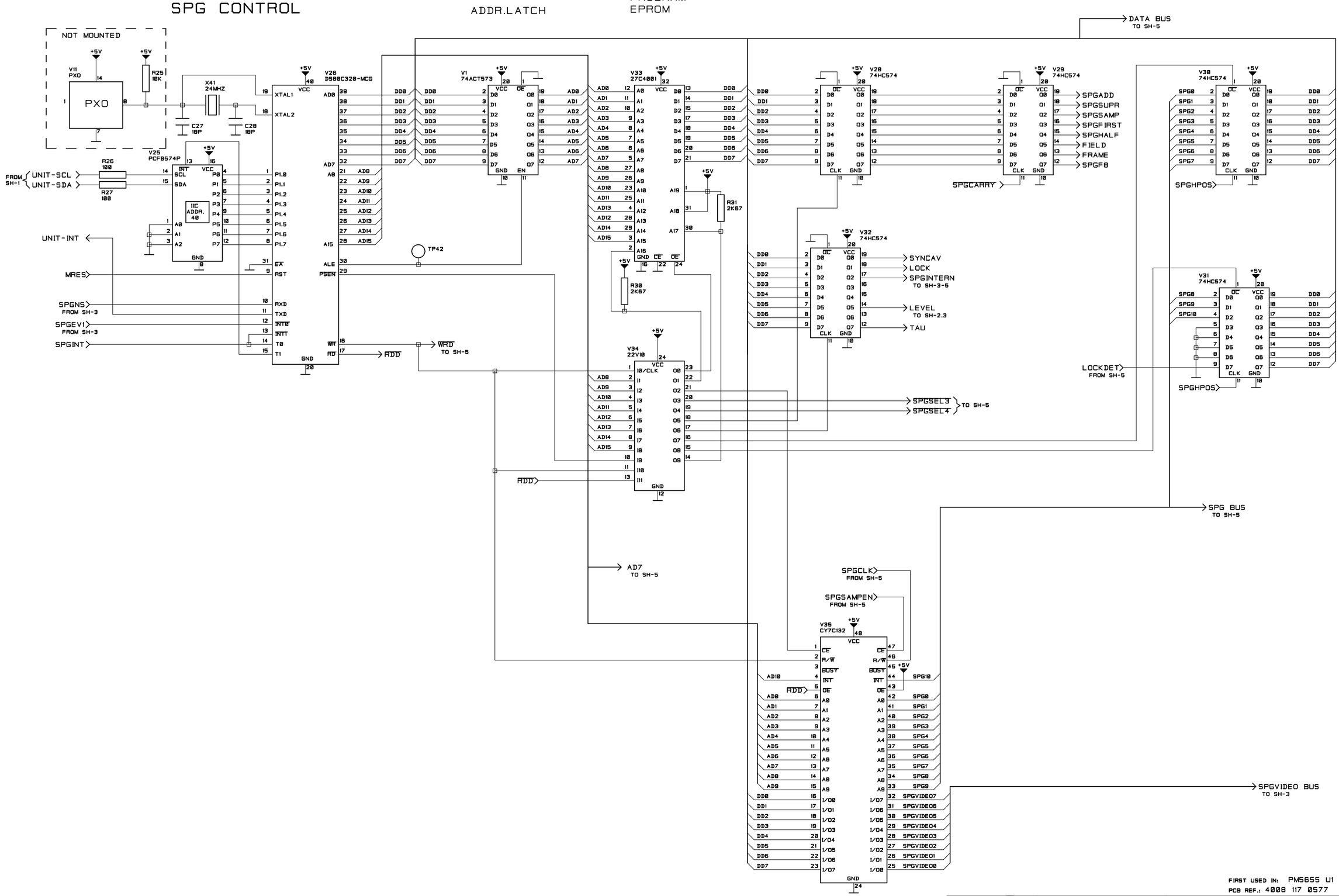
FIRST USED IN: PM5655 U1
PCB REF.: 4008 117 0577

		POWER SUPPLY INPUT DEL	4008 109 8092	1	95-08-04
		PM5655/U1 M.B.		1	~~94-02-15~~
				1	~~94-05-31~~
CHECK:		NAME: SNJ/JML	6 SH SH 130 - 3	1	~~94-08-30~~
CDEFAB 80921 .SCM A 05775 .PCB	KU	PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY	DAT.93-04-06	A3L	

SPG CONTROL

ADDR.LATCH

PROGRAM EPROM



FIRST USED IN: PM5655 U1
PCB REF.: 4008 117 0577

		POWER SUPPLY SPGPROC PM5655/U1	4008 109 8092	1	95-09-04
				1	~~94-08-30~~
				1	~~94-02-15~~
CHECK:		NAME: SNJ/JML	6 SH	SH 130 - 4	
DEFABC 80921 .SCM A 85775 .PCB	KU	PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY	DAT. 93-04-06	A3L	

PHASE DETECTOR

LOOP FILTER

TEMPERATURE REGULATOR

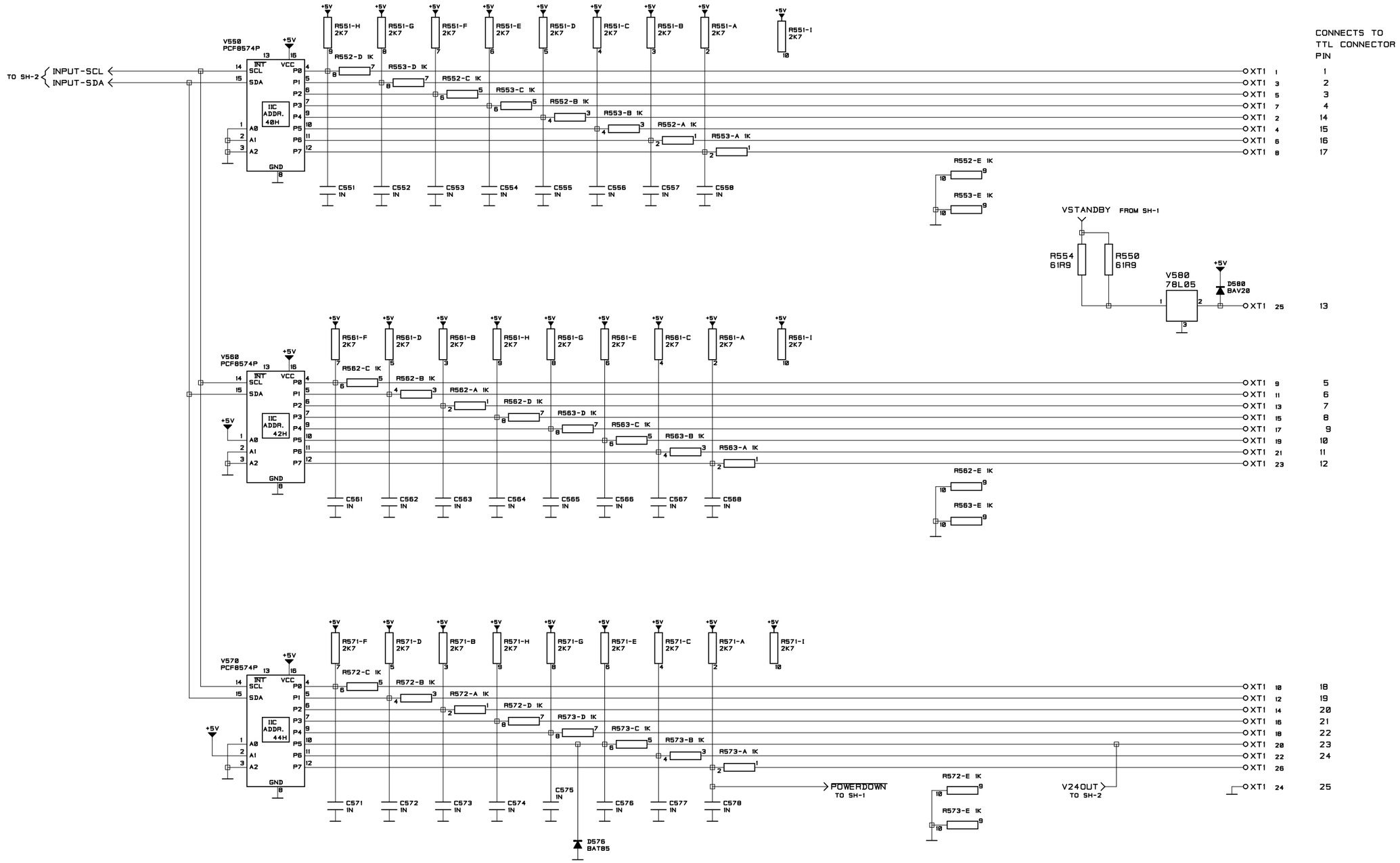
DATA BUS FROM SH-4
AD7
WRID
SPGSEL4
SPGSEL3
FROM SH-4
V50 AD7537
V51 78L05
V52-A LF353N
V52-B LF353N
V53 LM317L
V54 LM337L
V55-A 74HC86
V55-B 74HC86
V55-C 74HC86
V55-D 74HC86
V56-A 74HCU04
V56-B 74HCU04
V56-C 74HCU04
V56-D 74HCU04
V56-E 74HCU04
V56-F 74HCU04
V57-A LF353N
V57-B LF353N
V58 LM317T
V59 74ABT245
V60 22V10
V61 22V10
V62 22V10
V63 78L05
V64-A DG611DJ
V64-B DG611DJ
V64-C DG611DJ
V64-D DG611DJ
V65 LM311
Q50 BC547B
A1 OCXO-17MHZ
OVEN MODULE
TP32
TP312
TAU
REF FREQ
SPGINTERN FROM SH-4
SPGCLK
SPG BUS FROM SH-4
INTCLKPKEY
EXTCLPKEY FROM SH-3
FIELD
SPGELINE FROM SH-3
SPGCARRY
LOCK
SPGHALF
SPGADD
SPGSUPR
SPGSAMP
SPGF8
SPGHPOS
SPGCLPKEY
SPGSAMPEN TO SH-4
LOCKDET TO SH-4
SPGCLK
DETCLK TO SH-2
F8RESET
CLPKEY
F8INT
PALID
HGEN
HINT
SPGINT
NEWLINE
HTEXT
SPGFIRST
FASTCLAMP
ITSDET1
ITSDET2
DATADET
XJ4 1 … XJ4 16

*NOT MOUNTED

FIRST USED IN: PM5655 U1
PCB REF.: 4008 117 0577

		POWER SUPPLY SPGOSCS	4008 109 8092	1	85-09-04
		PM5655/1 M.B.		1	~~94-02-15~~
				1	~~94-08-23~~
CHECK:		NAME: SNJ/JML	6 SH SH 130 - 5	1	~~94-08-30~~
EFABCD 08921 .SCM A 05775 .PCB	KU	PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY	DAT. 93-04-12		A3L

TTL - INTERFACE



FIRST USED IN: PM5655 U1
PCB REF.: 4008 117 0577

		POWER SUPPLY		1 95-09-04
		TTL-INTERFACE	4008 109 8092	1 ~~94-02-15~~
		PM5655/1 M.B.		1 ~~94-08-22~~
CHECK:		NAME: CH/SNJ/JML	6 SH SH 130 - 6	
FABCDE 80921 .SCM A 85774 .PCB	KU	PHILIPS TV TEST EQUIPMENT DK-2605 BRØNDBY	DAT. 93-04-06	A3L