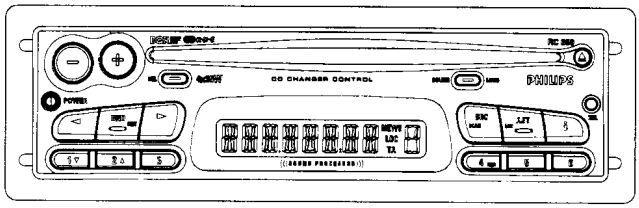
CD car radio 22RC609/00 ../80 22RC619/00 ../80 22RC629/00 ../80 22RC659/00 ../80

Service
Service
Service



For repair information of the CD-player see Service Manual of the CDM-M2 mechanism

ServiceManual

12 V

Contents **page**

COMPACT disc DIGITAL AUDIO

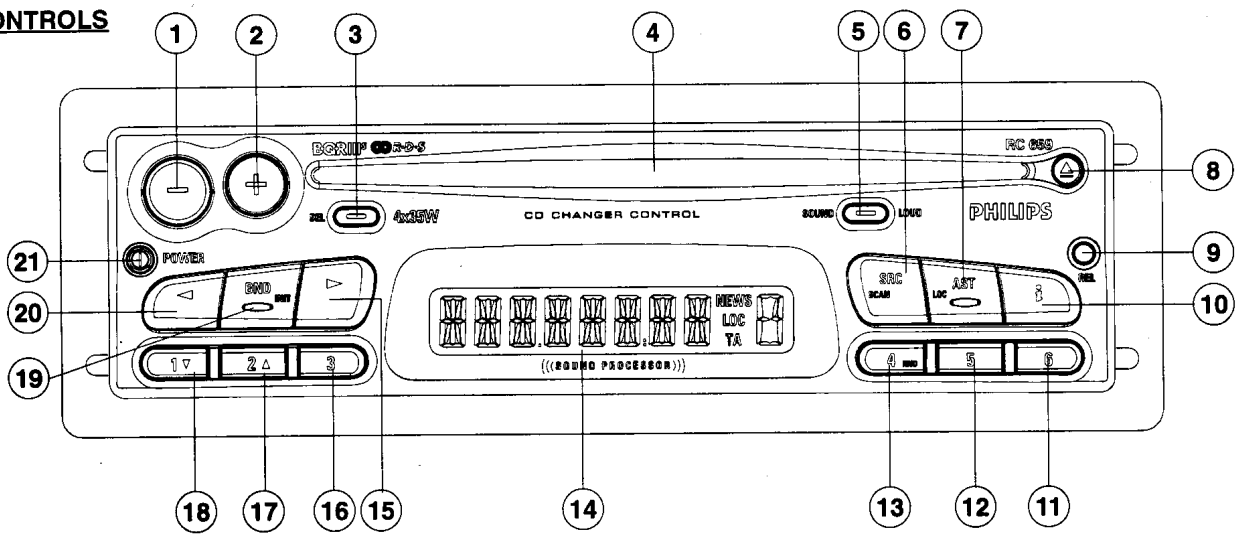
CLASS 1 LASER PRODUCT

Published by Philips Car Systems Printed in the Netherlands Subject to modification 4822 725 25859

PCS 89 791

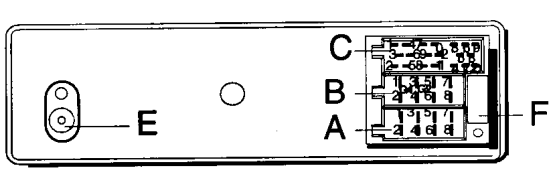
PHILIPS

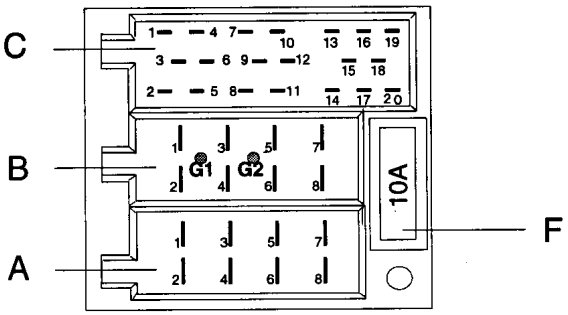
CONTROLS



1	VOL-	12	PRESET 5
2	VOL+	13	PRESET 4 / *RANDOM*
3	AUDIO SELECT	14	DISPLAY
4	CD OPENING	15	SEARCH UP / NEXT TRACK
5	SOUND / LOUDNESS	16	PRESET 3
6	SOURCE SELECTION / SCAN	17	PRESET 2 / *DISK SELECTION NEXT*
7	AUTOSTORE / LOCAL	18	PRESET 1 / *DISK SELECTION PREVIOUS*
8	EJECT DISK	19	BAND SELECT / INIT MODE
9	RELEASE BUTTON FOR DET.UNIT	20	SEARCH DOWN / PREVIOUS TRACK
10	TRAFFIC INFORMATION NEWS (exept RC609)	21	ON / OFF
10	MUTE (Only RC609)		*ONLY RC659/00 ../80*
11	PRESET 6		

CONNECTIONS





A1	Phone Mute	B1	Rear Right +	(C : Only 659/00 ../80 629/00 ../80)	
A2	Remote Ground	B2	Rear Right -	C1	Line-Out Rear Left
A3	Remote Input	B3	Front Right +	C2	Line-Out Rear Right
A4	+12V Permanent	B4	Front Right -	C3	Line-Out Ground
A5	+12V Switched (antenna supply)	B5	Front Left +	C4	Line-Out Front Left (Only 659)
A6		B6	Front Left -	C5	Line-Out Front Right (Only 659)
A7	+12V Ignition Key or Permanent	B7	Rear Left +	C6	+12V Switched
A8	Ground	B8	Rear Left -	C7	
				C8	
				C9	
G1	Gateway			C10	
G2	Gateway			C11	
				C12	
				C13	Bus D2B+ (Only 659)
E	Aerial Plug			C14	Bus D2B- (Only 659)
				C15	Bus Ground (Only 659)
F	Fuse 10A			C16	+12V Permanent (Only 659)
				C17	+12V Switched (Only 659)
				C18	Input Reference (Only 659)
				C19	Input Left (Only 659)
				C20	Input Right (Only 659)

22RC609/00 ../80 22RC619/00 ../80
22RC629/00 ../80 22RC659/00 ../80

PCS 89 792

TECHNICAL DATA

GENERAL

Power supply	:14.4V DC
Dimensions	:180x150x51.8 mm

RADIO

LW	: 144-288 KHz
MW	: 531-1629 KHz
FM	: 87.5-108 MHz
IF-AM	: 450 KHz / 10.7 MHz
IF-FM	: 10.7 MHz / 72.2 MHz
Sensivity 26dB S/N	: 26 µV (LW)
	: 18 µV (MW)
	: 3,4 µV (FM)
Limitation α-3dB	: 4 to 12 µV

CD

CD mechanism	:CDM-M2
Crosstalk at 1KHz	:60 dB
16-20KHz	:50 dB

AMPLIFIER

Output power	:4x18W / 4Ω (THD = 10%)
Loudness	:+7dB ± 3dB at 60Hz
	:+0dB ± 3dB at 10kHz
Treeble control	:12 ± 3dB at 10kHz
Bass control	: 10 ± 3dB at 60Hz
Balance control	:50 +0-20dB
Fader	:50 +0-20dB

ESD

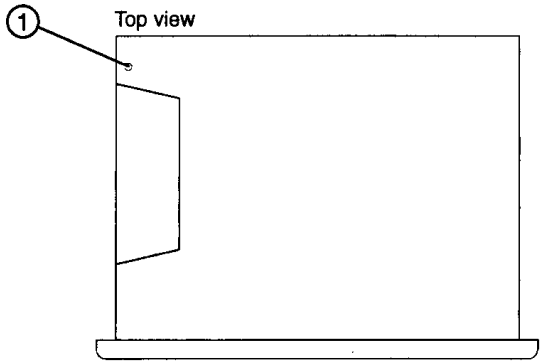
WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

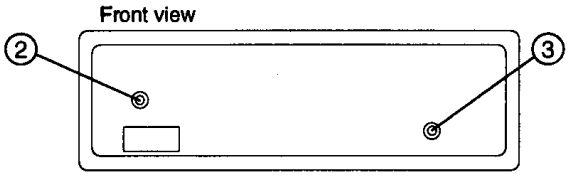
ESD equipment available:

Anti-static table mat large 1200X650X1.25mm	4822 466 10953
small 600X650X1.25mm	4822 466 10958
Connection box (1Mohm)	4822 395 10223
Extendible cable (to connect wrist band to connection box)	4822 320 11307
Connecting cable (to connect table mat to connection box)	4822 320 11305
Earth cable (to connect any product to mat or box)	4822 320 11308
Complete kit ESD3 (combining all above products)	4822 310 10671
wristband tester	4822 344 13999

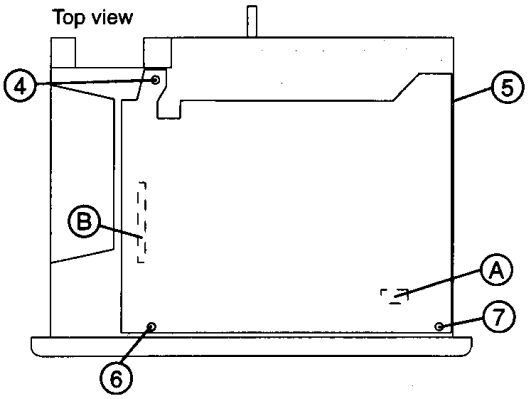
REMOVING THE PWB



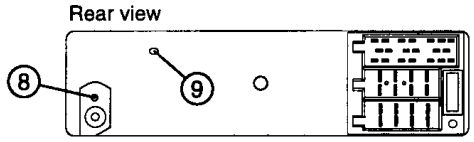
Remove the cover top (screw **1**) and the cover bottom



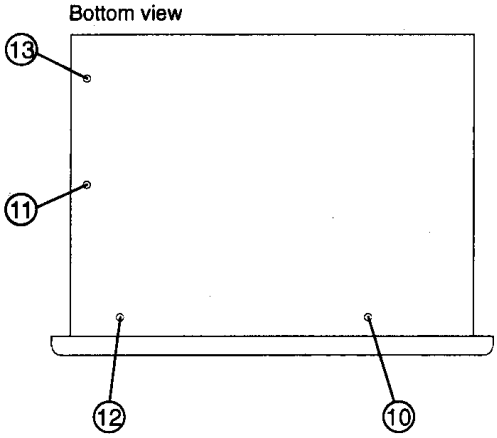
Remove the fixed front (screws **2** and **3**)

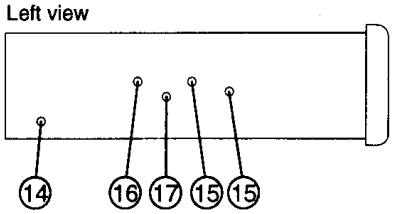


Remove the deck (screws **4**,**5**,**6** and **7**)
Disconnect the **A** connector
Disconnect the **B** connector



Remove the antenna plug bracket (screws **8**)
Remove the main PWB (screws **9** to **17**)





INIT MODE:

Entering the Init Mode:
Switch ON the set. Press the BAND key for at least 2 seconds, until you hear a beep.
The display shows "INITIAL".
Press the ◄ or ► key one or more times until the option you want to modify is displayed.
Briefly press the AST key one or more times to adjust the choice.
- The choice shown on the display will be memorized by the set when you select another option or leave the "INIT" mode.
Press the BAND key for at least 2 seconds to leave the "INIT" mode.
Note: the set automatically leaves the "INIT" mode about 1 minute after your last operation.

List of "INIT" options: (Initial factory settings shown in **bold**).

Option ◄ or ►	**Choice (AST)**	**Usage**
SRC	**CDC**, AUX	Source connected to connector C3: - Select CDC for a Philips CD Changer (D2B type); - Select AUX for a portable audio player.
MW	OFF **ON**	Select OFF to suppress MW band if it is not used.
LW	OFF **ON**	Select OFF to suppress LW band if it is not used.
TUN	**EURO** AMER	Select the tuner according to European or American standards.
PHONE	**NO** , HI , LOW	Select LO or HI according to phone (LO in most cases). Select NO if no phone connected
VIEW	+1 , **0** , -1	Select the viewing angle of the set's display

TEST MODES:

2) KEYBOARD TEST

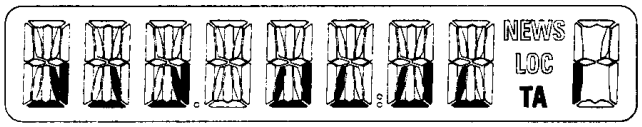
This test is called by switching the set On while keeping pressed the preset 3 key. The display shows: T - -
Then press each key at least one time. A different number will appear each time you press a new key (e.g. T 01),according to the table below:

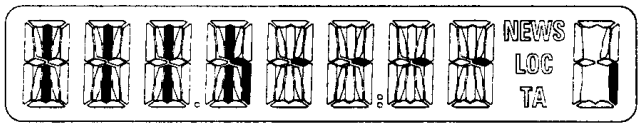
Vol -	Vol +	Sound	SEL	◄	BND	►	SRC	AST	i	P1	P2	P3	P4	P5	P6
T01	T02	T03	T04	T05	T06	T07	T08	T09	T10	T11	T12	T13	T14	T15	T16

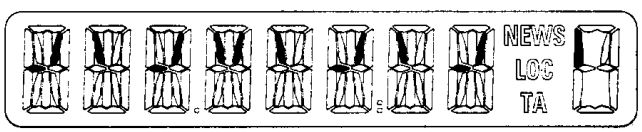
When all the keys are pressed, if all is correct, the display shows all segments lit..
This test can be exited at any moment by switching Off the set.

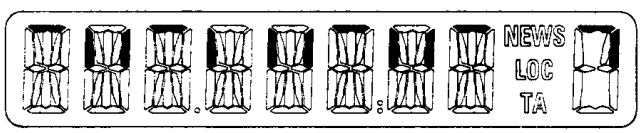
1) DISPLAY TEST

At the end of the keyboard test, when all the segments are displayed, press preset 3 key.
The display shows in sequence, each time you press preset 3 key, 4 different screens as follows:

1 

2 

3 

4 

The last screen shows all segments lit.
To quit this mode, switch Off the set .

3) FIELD TEST

This test is called by pressing simultaneously preset 2 and 5 keys (set On).
The display shows:
4 digits indicating the tuned frequency
5th digit: Selected frequency quality
6th digit: Best AF quality
7th digit: Multipath 0..F (0 = no multipath)
8th digit: Field level 0..F (F = best fieldstrength)
This test can be exited by switching Off the set or by pressing again presets keys 2 and 5 at the same time

4) SOFT VERSION AND CHECK SUM INDICATION

This test is called by pressing simultaneously preset 3 and 5 keys (set On)
The display shows two screens during 2 seconds each.
The first screen shows the last four number of the soft version.
The second screen shows the check sum.

CHECKS AND ALIGNMENTS

No alignment is needed for radio part. IC96 tuner is pre-aligned.

For all measurement, please refer to "General Check & Alignment procedures for Car Systems' 4822 725 25456, unless otherwise stated.

Checks:

- Supply voltages (set Off)

SET OFF	Voltage	Current + Acc ON	V reset Pin 4 µP	Vdd Pin 40 µP	V hold Pin 8 µP	Current + Acc OFF
Acc supply	+14.4V	< 3mA	min Vdd x 0.7	min 4.5V max 5.5V	max Vdd x 0.3	< 2mA

- Supply voltages (set On)

V reset pin 4 µP	V pin 40 µP	V hold pin 8 µP	V 5V E 7417	V 8.5V E 7418	V EEprom pin 8
max Vdd x 0.7	min 4.5V max 5.5V	min Vdd x 0.7	min 4.7V max 5.4V	min 8.0V max 8.9V	min 4.5V max 5.5V

- Reference oscillator frequencies

device	µP 7500	SAA6579 7260	MSM6307 7600 (RC659 only)
pin	3	13	25
frequency	8 MHz 0.5%	4.332 MHz 20ppm	6 MHz 0.5%

- Line out (RC659 and RC629 only)

Conditions: 98MHz, fm = 1KHz, Δf = 11.25KHz, lines outputs loaded with 10k resistors.
Output = 500 mV ± 2dB at volume max.

CD part

Audio Signal Disk 1 4822 397 30184	Crosstalk : Disk 1 track 67 to 71	limit : < -60dB	nominal :< -30dB

Test CD	Test	Result
Eccent-music 150um 4822 397 30279	Insert disk and play track 01	No failure
Vertical deviation 4822 397 30282	Check loading, display of number of tracks and total time. Select track no 9 time 00.20 listen to the disk during 4 seconds	no electrical nor mechanical noise

FM part

- Demodulated FM levels

Input	Output of IC96 (pin 15 & 16)
98 MHz	300 mV ± 50 mV

- Limiting point α-3dB

Range	Input	min	nominal	max
87.5 to 108 MHz	1Khz	4µV	7µV	12µV

- Check of search levels

Search levels	Input	Dx: 7µV < X < 23µV
	98 MHz	Local : 120µV < X < 360µV

- Pause detector

f = 94MHz fm = 1KHz	Δf = 0.6KHz	Pin 6 of 7230 < 0.8V
	Δf = 3.5KHz	Pin 6 of 7230 > 2.0V

AM part

- Usable sensivity 26dB S/N

Sensivity at 26dB S/N	207 KHz	m = 30%	1KHz	< 38µV	typ 28
	1053 KHz			< 30µV	typ 22

- Check of search levels

Conditions: start with set in FM DX mode, change to AM = 1053KHz

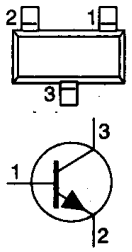
Search levels	Input 1053KHz	low : 35µV < X < 140µV high : 7µV < X < 28µV

INTEGRATED CIRCUITS

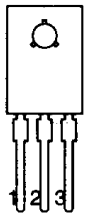
SAA6579T Radio Data System demodulator

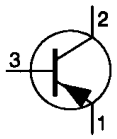
SYMBOL	PIN	DESCRIPTION
QUAL	1	quality indication output
RDDA	2	RDS data output
V_{ref}	3	reference voltage output (0.5 V_{DDA})
MPX	4	multiplex input signal
V_{DDA}	5	+5V supply voltage for analog part
V_{SSA}	6	ground for analog part (0V)
CIN	7	subcarrier input to comparator
SCOUT	8	subcarrier output for reconstruction filter
TCTR	9	test control
TEN	10	test enable
V_{SSD}	11	ground for digital part (0V)
V_{DDD}	12	+5V supply voltage for digital part
OSCI	13	oscillator input
OSCO	14	oscillator output
T57	15	57kHz clock signal output
RDCL	16	RDS clock output

BC847B



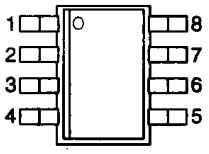
BD438





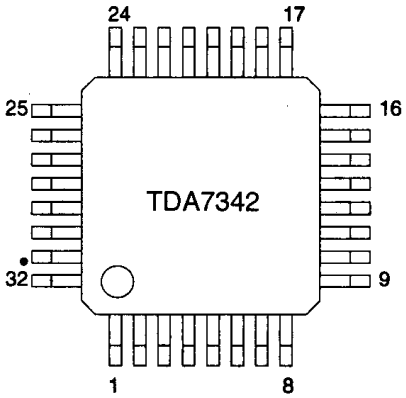
MC4558 Dual op amp

PIN	DESCRIPTION
1	Output 1
2	Inverting input 1
3	Non inverting input 1
4	Vcc -
5	Non inverting input 2
6	Inverting input 2
7	Output 2
8	Vcc +



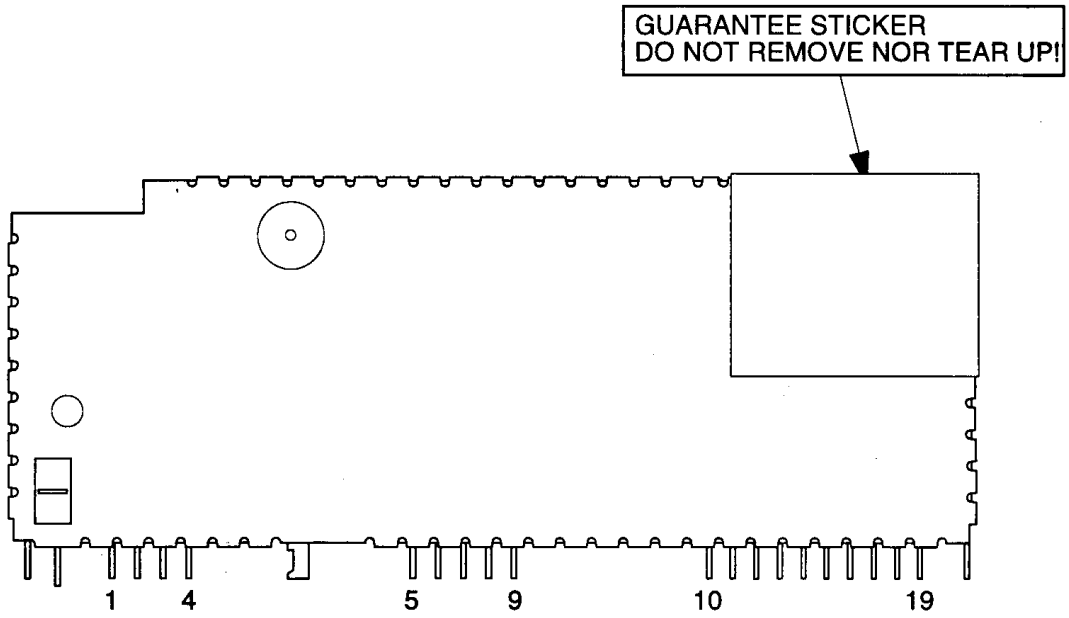
TDA7342 Digitally controlled audio processor

SYMBOL	PIN	DESCRIPTION	SYMBOL	PIN	DESCRIPTION
TR R	1	Treble control capacitor right	BIN L	17	Bass control input left
IN R	2	Input right	BOUT L	18	Bass control output left
OUT R	3	Output right	BIN R	19	Bass control input right
LOUD R	4	Input loudness, right control part	BOUT R	20	Bass control output right
IN R3	5	Input 3 right source (CD)	SM	21	Soft mute control
IN R2	6	Input 2 right source	OUT RR	22	Output rear right
IN R1	7	Input 1 right source	OUT LR	23	Output left right
MONO	8	Input mono source	OUT RF	24	Output right front
LOUD L	9	Input loudness, left control part	OUT LF	25	Output left front
CD GND	10	Ground input CD	DIG GND	26	Bus ground
IN L3	11	Input 3 left source (CD)	SDA		I2C Data
IN L2	12	Input 2 left source	SCL	28	I2C Clock
IN L1	13	Input 1 left source	CREF	29	Supply reference capacitor
CSM	14	Soft mute control capacitor	Vs	30	Supply voltage
IN L	15	Input right	GND	31	Ground
OUT L	16	Output left	TRL	32	Treble control capacitor left



IC96 MODULE

Not reparable module. Do not open and do not try to repair yourself!



Connections

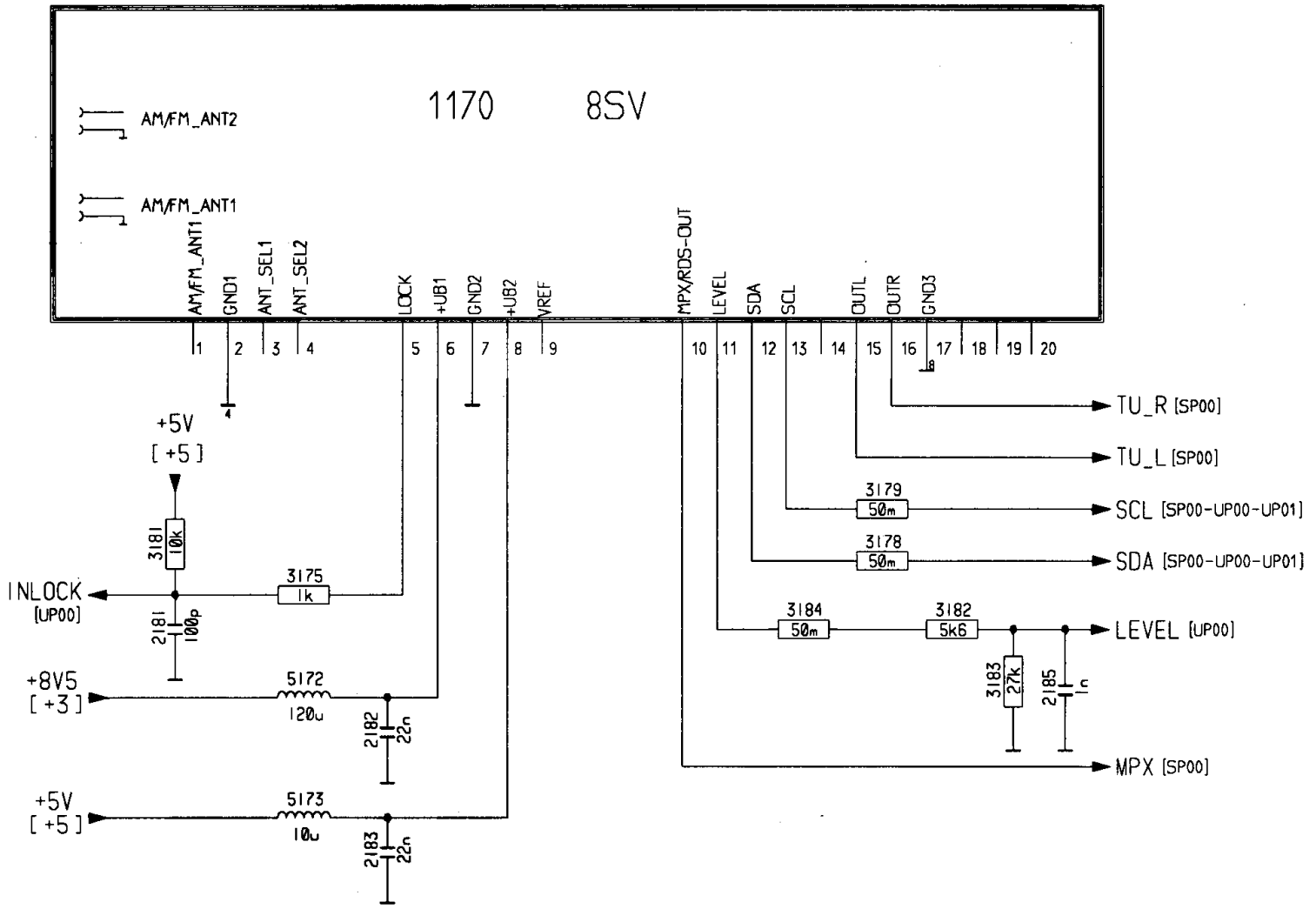
		10	Multiplex / RDS output signal
2	Ground	11	Level
		12	I^2C SDA
5	Inlock detector pin	13	I^2C SCL
6	Vcc 8.5V		
7	Ground	15	tuner output L
8	Vcc 5.0V	16	tuner output R
		17	Ground

Quick reference data:

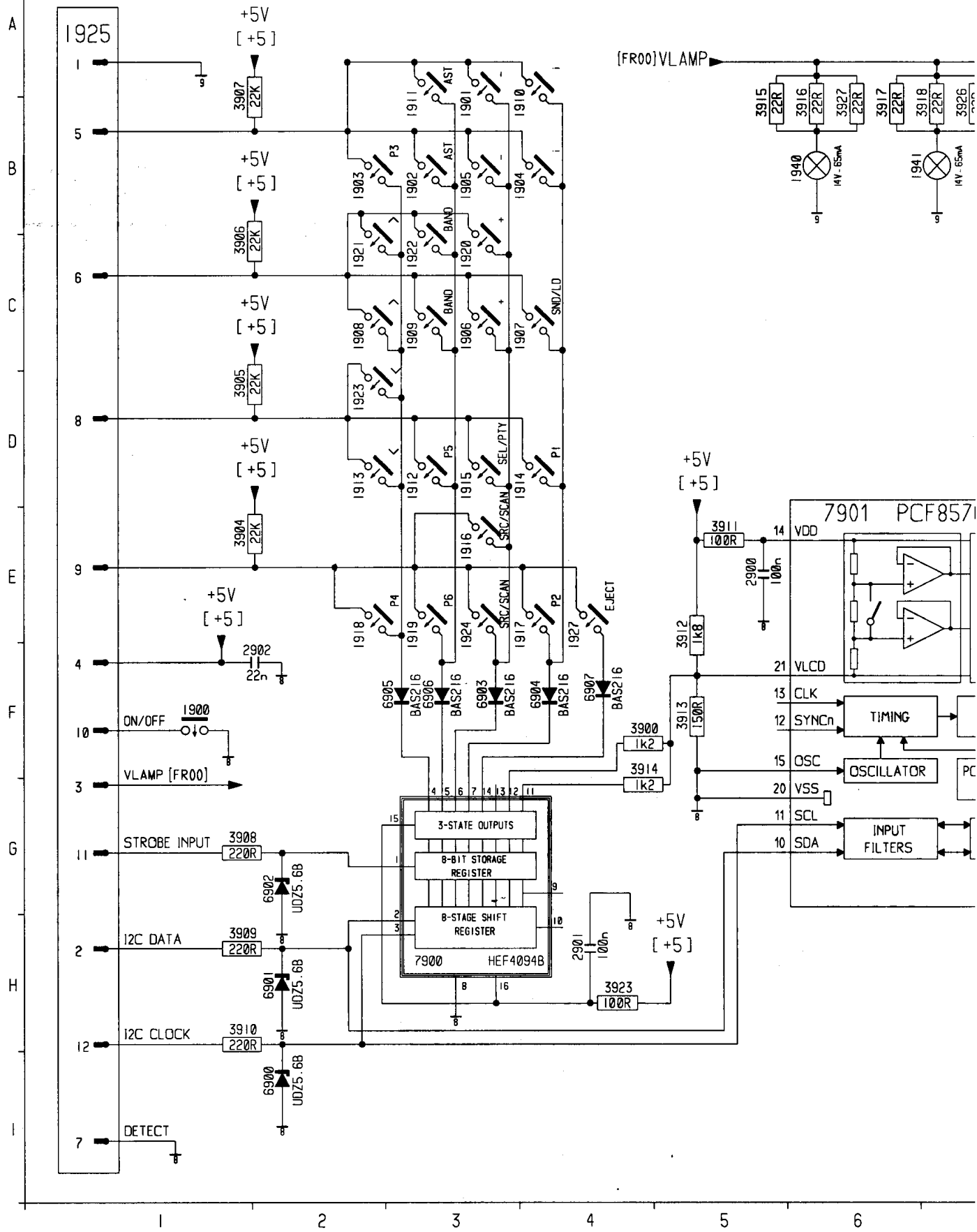
1) AM part
- -Longwave/Mediumwave 144-1710 KHz (inclusive USA)
- -Shortwave 5850-6250 KHz - 49 meter band
- -AM double super concept
- -AM IF1 10.7MHz
- -AM IF2 450KHz
- -First VCO frequency above input signal frequency
- -Second X-tal oscillator frenquency below IF1
- -Usable sensivity α26dB MW = 14μV typ.

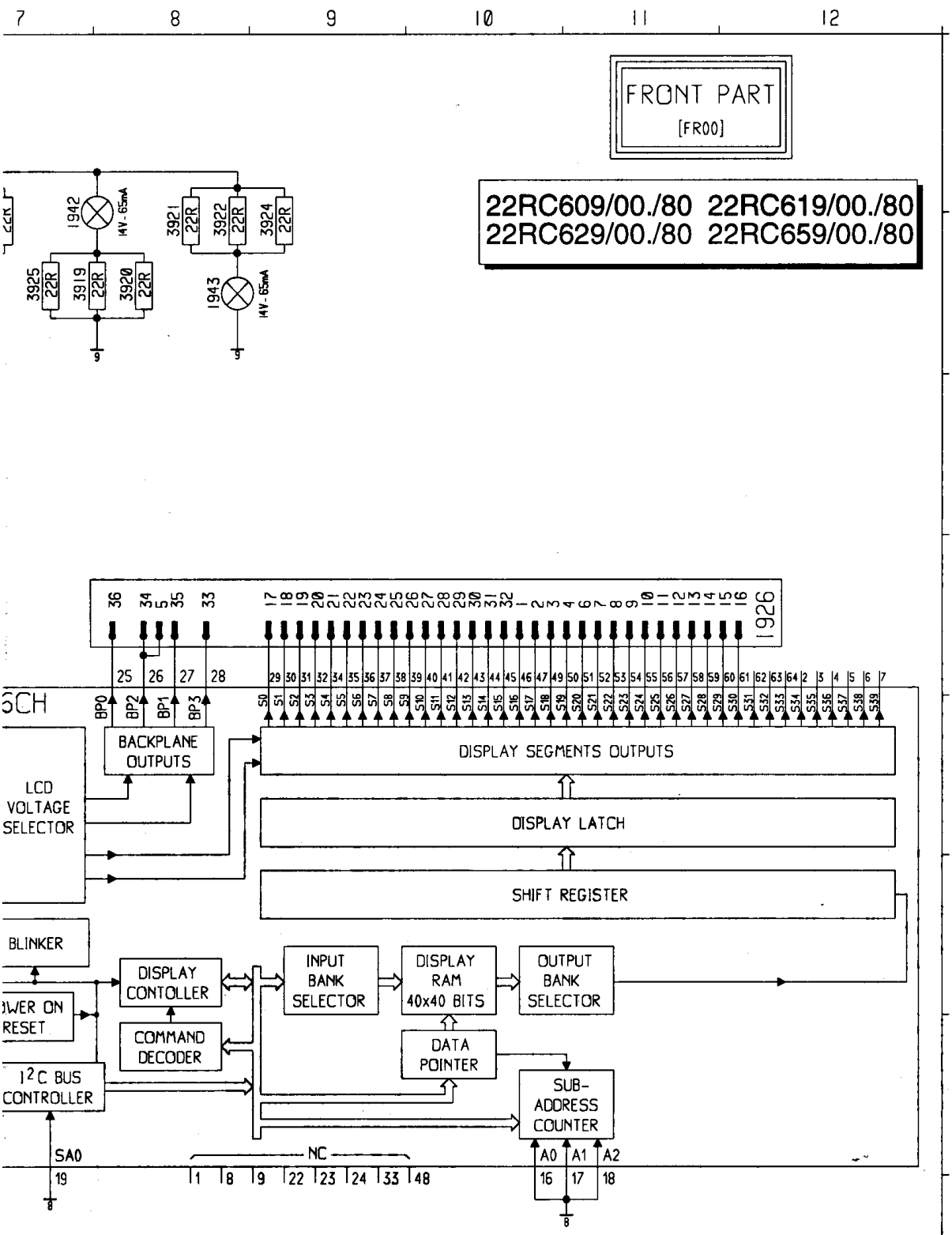
1) FM part
- -FM 87.5 - 108MHz
- -FM double super concept
- -FM IF1 72.2MHz
- -FM IF2 10.7MHz
- -First VCO frequency above input signal frequency
- -Second X-tal oscillator frequency below IF1
- -Usable sensivity α26dB =2.5μV typ.
- -THD 1mV δf=75KHz = 0.5% typ
- -Signal to noise ratio = 65dB typ
- -Locktime synthetizer <2mSec

TUNER PART
[TU00]



22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80


1925
+5V
[+5]
3907 22K
3906 22K
3905 22K
3904 22K
2902 22n
ON/OFF
1900
VLAMP [FR00]
STROBE INPUT
3908 220R
I2C DATA
3909 220R
I2C CLOCK
3910 220R
DETECT
6902 UDZ5.6B
6901 UDZ5.6B
6900 UDZ5.6B
[FR00]VLAMP
3915 22R
3916 22R
3927 22R
3917 22R
3918 22R
1940 14V-65mA
1941 14V-65mA
AST
BAND
SND/LD
SEL/PTY
SRC/SCAN
EJECT
P1
P2
P3
P4
P5
P6
6905 BAS216
6906 BAS216
6903 BAS216
6904 BAS216
6907 BAS216
3900 1k2
3914 1k2
3911 100R
3912 1k8
3913 150R
2900 100n
7901 PCF857
VDD
VLCD
CLK
SYNCn
OSC
VSS
SCL
SDA
TIMING
OSCILLATOR
INPUT FILTERS
3-STATE OUTPUTS
8-BIT STORAGE REGISTER
8-STAGE SHIFT REGISTER
7900 HEF4094B
2901 100n
3923 100R



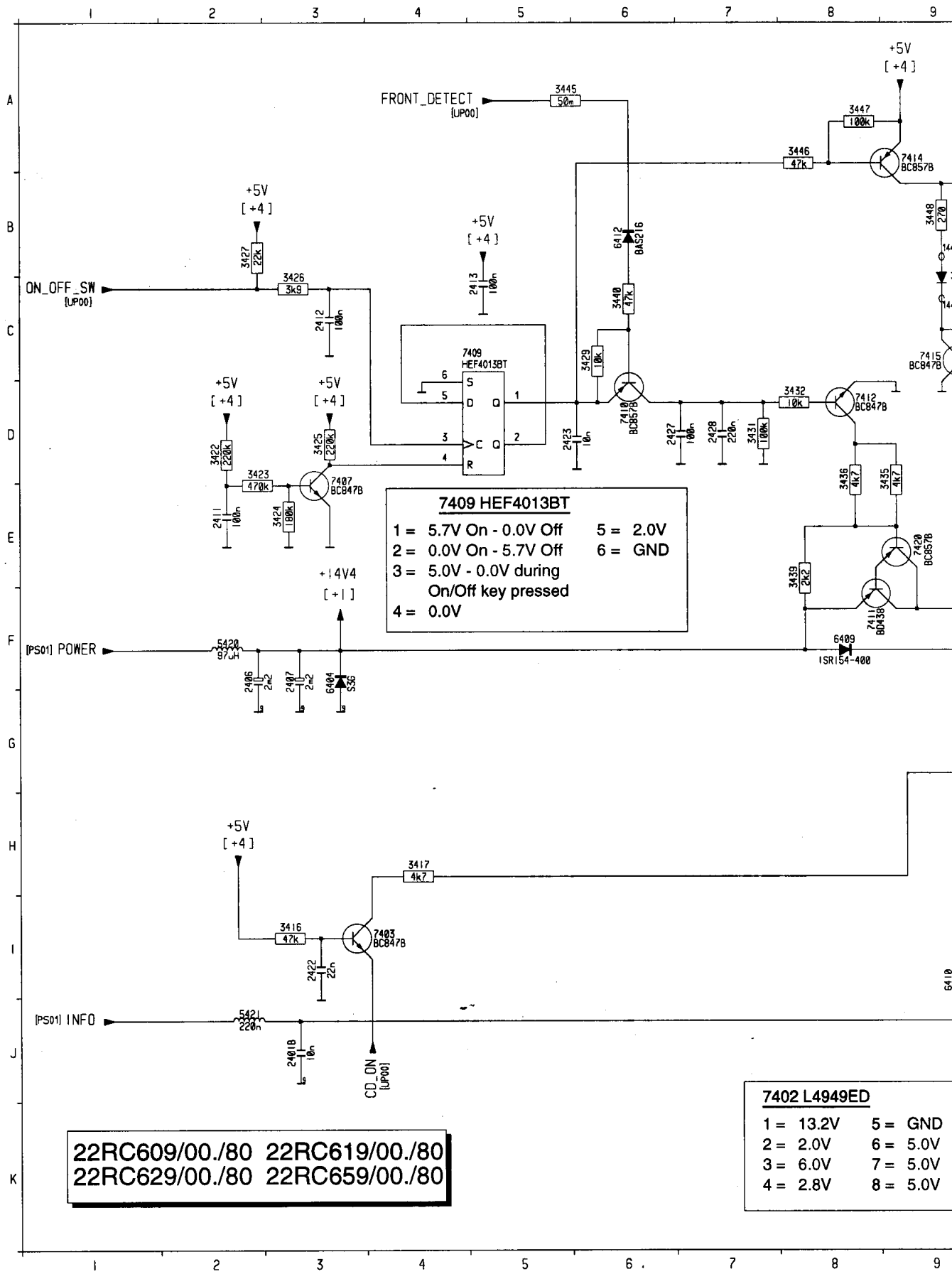
	1900	F 1	3908	G 1
	1901	B 3	3909	H 1
	1902	B 3	3910	H 1
	1903	B 2	3911	E 5
	1904	B 4	3912	E 5
A	1905	B 3	3913	F 5
	1906	C 3	3914	F 4
	1907	C 4	3915	B 5
	1908	C 2	3916	B 6
	1909	C 3	3917	B 6
	1910	B 4	3918	B 7
	1911	B 3	3919	B 7
	1912	D 3	3920	B 8
B	1913	D 2	3921	B 8
	1914	D 4	3922	B 8
	1915	D 3	3923	H 4
	1916	E 3	3924	B 9
	1917	E 4	3925	B 7
	1918	E 2	3926	B 7
	1919	E 3	3927	B 6
C	1920	C 3	6900	I 2
	1921	C 2	6901	H 2
	1922	C 3	6902	G 2
	1923	D 2	6903	F 3
	1924	E 3	6904	F 4
	1925	A 1	6905	F 3
	1926	D12	6906	F 3
D	1927	E 4	6907	F 4
	1940	B 6	7900	H 3
	1941	B 7	7901	D 6
	1942	A 7		
	1943	B 8		
	2900	E 5		
	2901	H 4		
	2902	F 2		
E	3900	F 4		
	3904	E 1		
	3905	D 1		
	3906	C 1		
	3907	A 1		

F

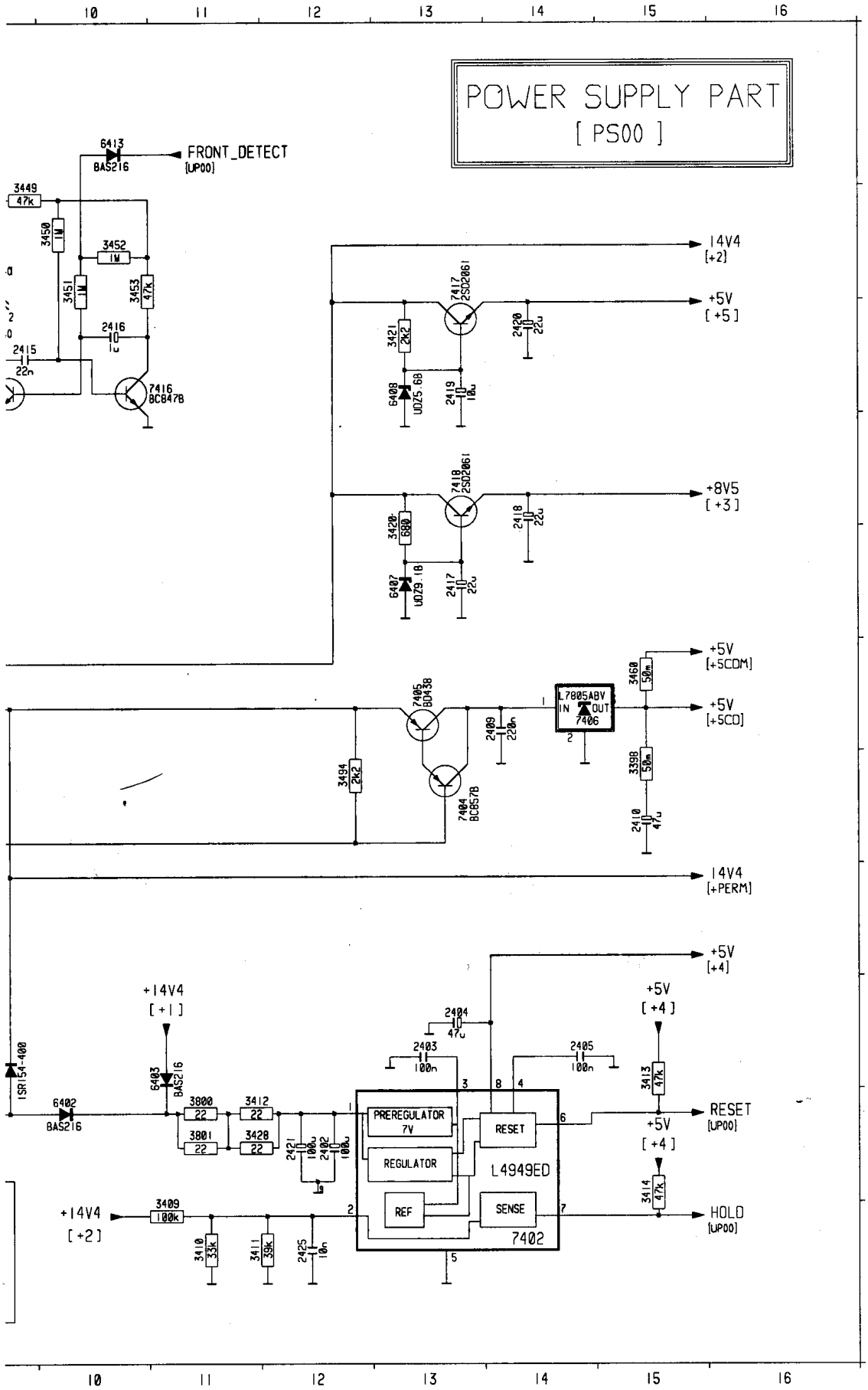
G

H

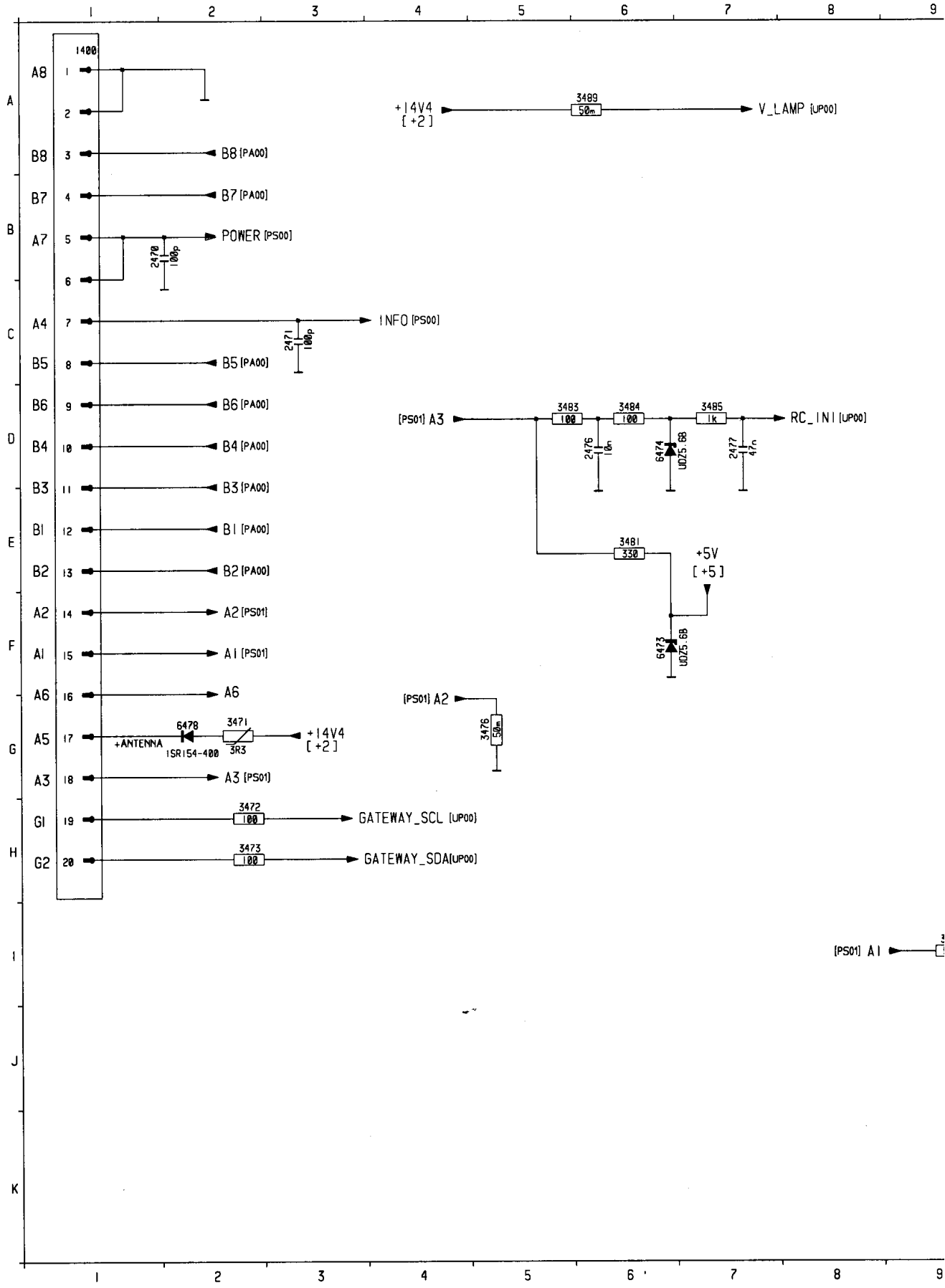
I

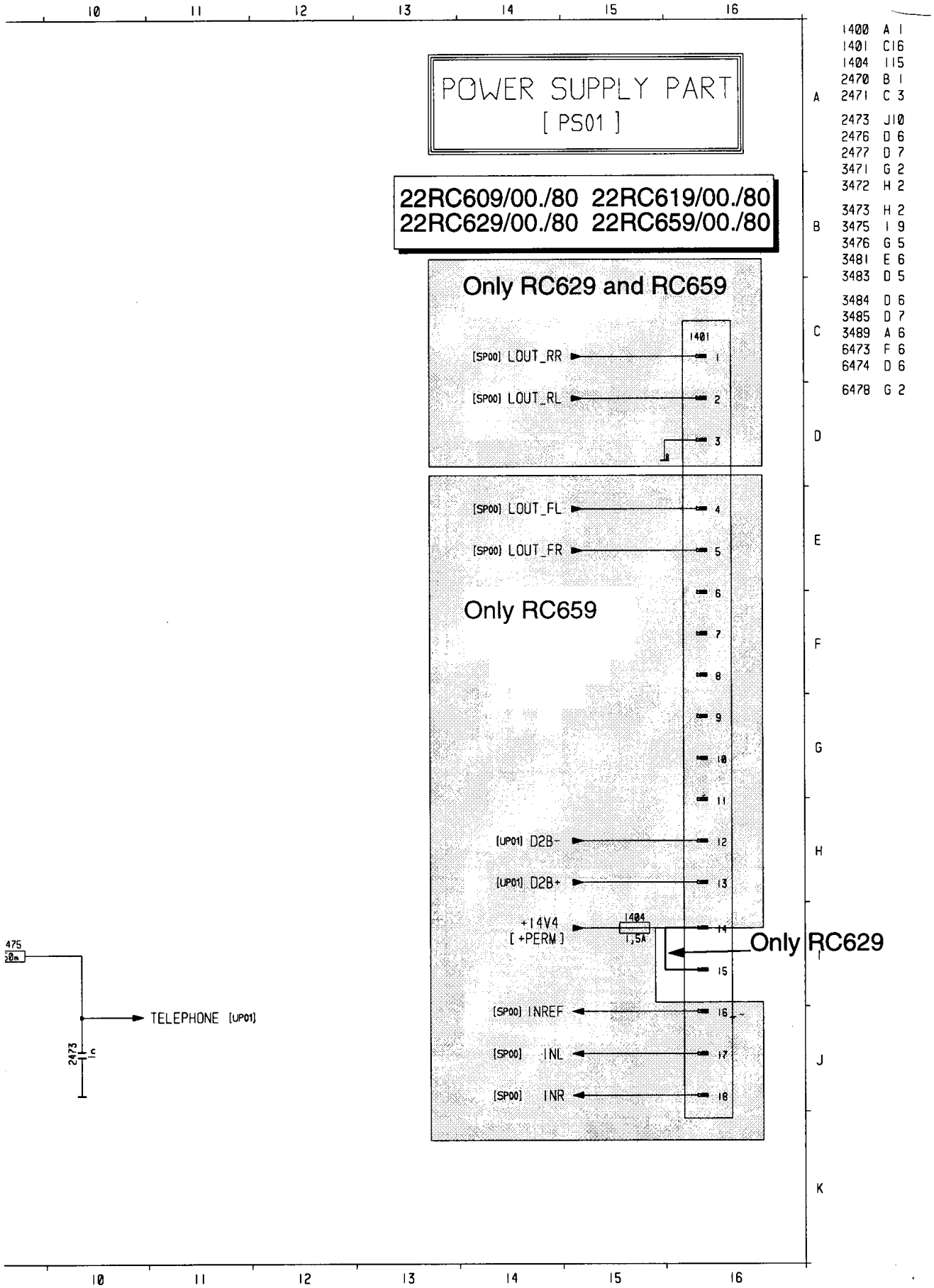


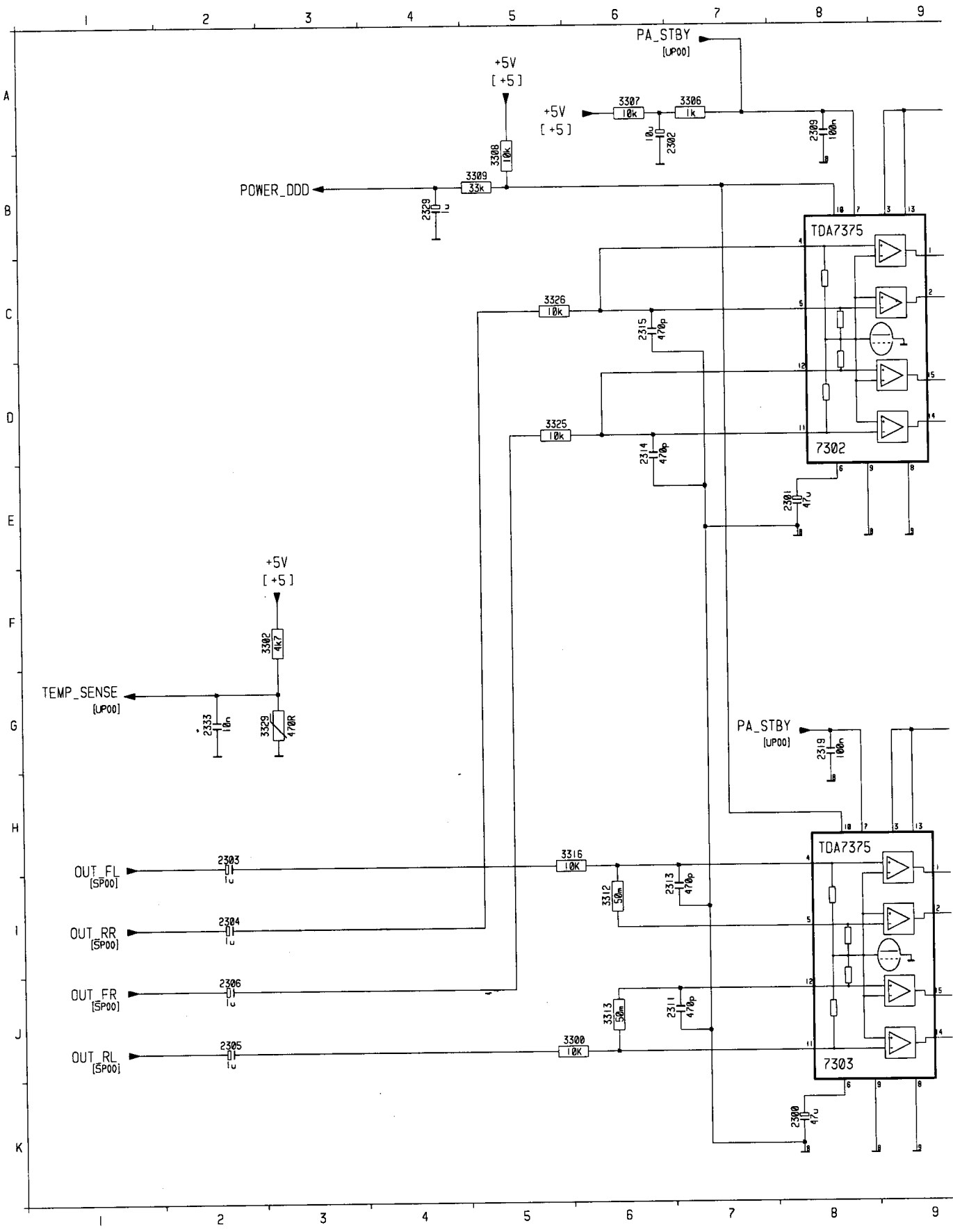
22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80

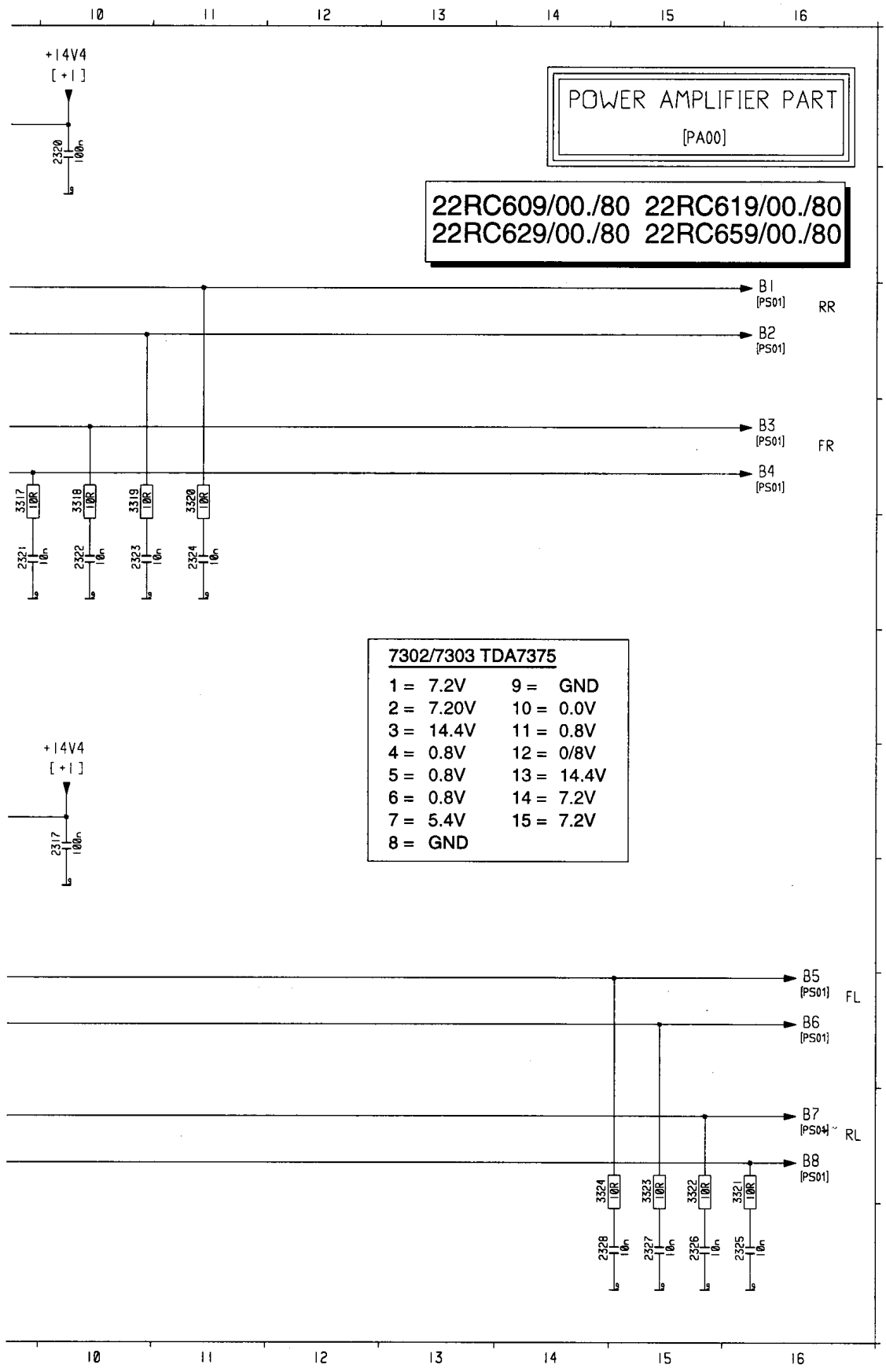


	1440	B 9	6408	C13
	1440	C 9	6409	F 8
	2401	J 3	6410	I 9
	2402	J12	6412	B 6
A	2403	I13	6413	A10
	2404	I13	7402	K14
	2405	I14	7403	I 4
	2406	F 2	7404	G13
	2407	F 3	7405	F13
	2409	F14	7406	F15
	2410	G15	7407	E 3
B	2411	E 2	7409	C 4
	2412	C 3	7410	D 6
	2413	C 5	7411	F 8
	2415	C 9	7412	D 8
	2416	C10	7414	A 9
	2417	E13	7415	C 9
C	2418	D14	7416	C11
	2419	C13	7417	C13
	2420	C14	7418	D13
	2421	J12	7420	E 9
	2422	I 3		
	2423	D 5		
D	2425	K12		
	2427	D 6		
	2428	D 7		
	3398	G15		
	3409	K11		
	3410	K11		
E	3411	K11		
	3412	J11		
	3413	I15		
	3414	J15		
	3416	I 3		
	3417	H 4		
F	3420	E13		
	3421	C13		
	3422	D 2		
	3423	D 2		
	3424	E 3		
	3425	D 3		
G	3426	C 3		
	3427	B 2		
	3428	J11		
	3429	C 6		
	3431	D 7		
H	3432	D 8		
	3435	D 9		
	3436	D 8		
	3439	E 8		
	3440	C 6		
	3445	A 5		
I	3446	A 8		
	3447	A 8		
	3448	B 9		
	3449	B 9		
	3450	B10		
	3451	B10		
J	3452	B10		
	3453	B10		
	3460	F15		
	3494	G12		
	3800	J11		
	3801	J11		
	5420	F 2		
K	5421	J 2		
	6402	J10		
	6403	I11		
	6404	F 3		
	6407	E13		

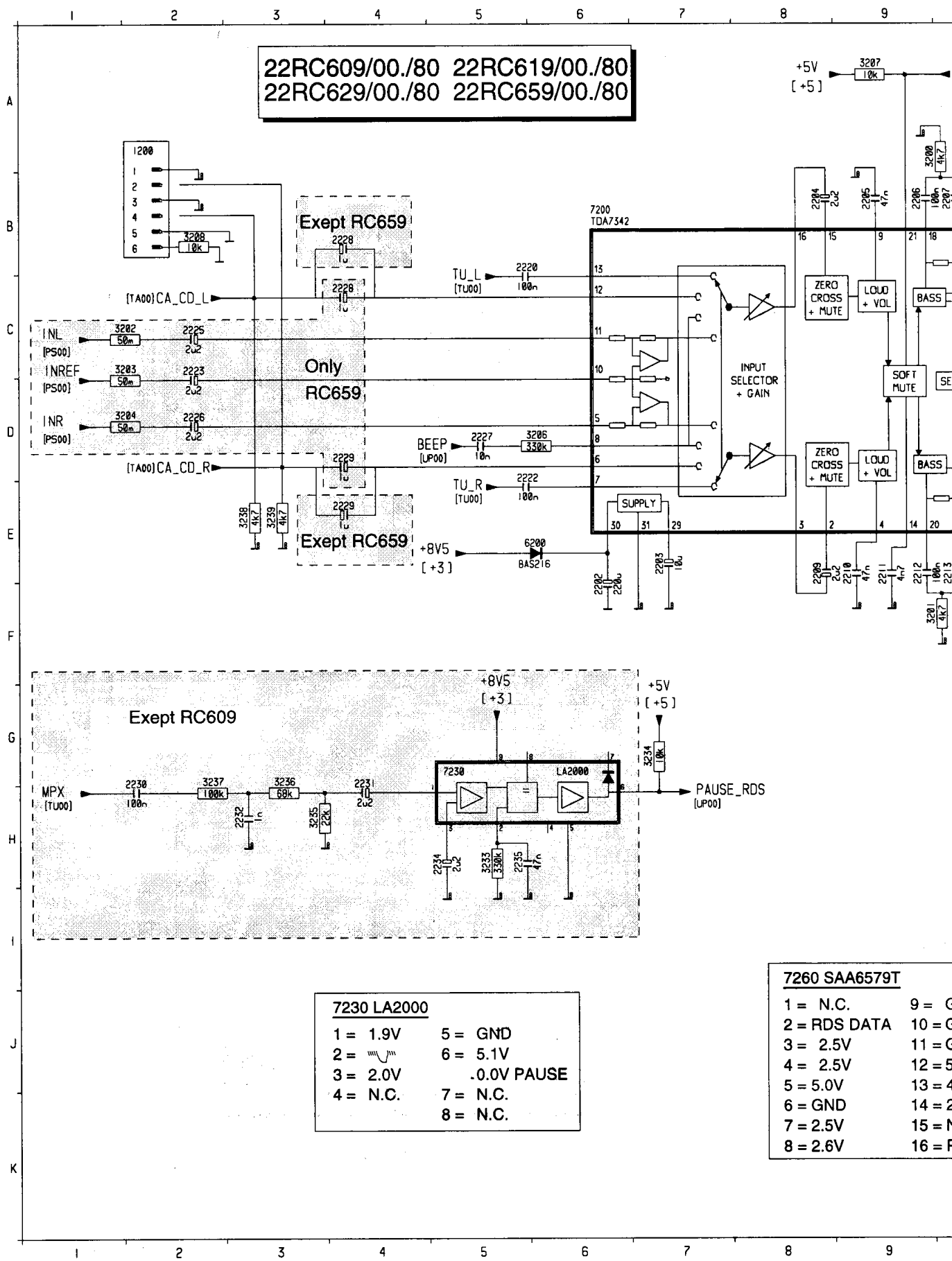

1400
A8
B8
B7
A7
A4
B5
B6
B4
B3
B1
B2
A2
A1
A6
A5
A3
G1
G2
B8 [PA00]
B7 [PA00]
POWER [PS00]
2470 100p
INFO [PS00]
2471 100p
B5 [PA00]
B6 [PA00]
B4 [PA00]
B3 [PA00]
B1 [PA00]
B2 [PA00]
A2 [PS01]
A1 [PS01]
A6
+ANTENNA
6478 1SR154-400
3471 3R3
+14V4 [+2]
A3 [PS01]
3472 100
GATEWAY_SCL [UP00]
3473 100
GATEWAY_SDA[UP00]
+14V4 [+2]
3489 50m
V_LAMP [UP00]
[PS01] A3
3483 100
3484 100
3485 1k
RC_IN1 [UP00]
2476 10n
6474 UDZ5.6B
2477 47n
3481 330
+5V [+5]
6473 UDZ5.6B
[PS01] A2
3476 50m
[PS01] A1


10
11
12
13
14
15
16
POWER SUPPLY PART
[PS01]
22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80
Only RC629 and RC659
1401
[SP00] LOUT_RR
[SP00] LOUT_RL
[SP00] LOUT_FL
[SP00] LOUT_FR
Only RC659
[UP01] D2B-
[UP01] D2B+
+14V4
[+PERM]
1404
1,5A
Only RC629
[SP00] INREF
[SP00] INL
[SP00] INR
TELEPHONE [UP01]
2473
1400 A 1
1401 C16
1404 I15
2470 B 1
2471 C 3
2473 J10
2476 D 6
2477 D 7
3471 G 2
3472 H 2
3473 H 2
3475 I 9
3476 G 5
3481 E 6
3483 D 5
3484 D 6
3485 D 7
3489 A 6
6473 F 6
6474 D 6
6478 G 2


PA_STBY
[UP00]
+5V
[+5]
3307
10k
3306
1k
2302
2309
100n
3308
10k
3309
33k
POWER_DDD
2329
TDA7375
3326
10k
2315
470p
3325
10k
2314
470p
7302
2301
47u
TEMP_SENSE
[UP00]
3302
4k7
2333
10n
3329
470R
PA_STBY
[UP00]
2319
100n
TDA7375
OUT_FL
[SP00]
2303
3316
10K
3312
50m
2313
470p
OUT_RR
[SP00]
2304
OUT_FR
[SP00]
2306
3313
50m
2311
470p
OUT_RL
[SP00]
2305
3300
10K
7303
2300
47u



2300 K 8
2301 E 8
2302 A 6
2303 H 2
2304 I 2
2305 J 2
2306 J 2
2309 A 8
2311 J 6
2313 I 6
2314 D 6
2315 C 6
2317 G10
2319 G 8
2320 A10
2321 E 9
2322 E10
2323 E10
2324 E11
2325 K16
2326 K15
2327 K15
2328 K14
2329 B 4
2333 G 2
3300 J 6
3302 F 3
3306 A 7
3307 A 6
3308 B 5
3309 B 5
3312 I 6
3313 J 6
3316 H 6
3317 D 9
3318 D10
3319 D10
3320 D11
3321 J16
3322 J15
3323 J15
3324 J14
3325 D 5
3326 C 5
3329 G 3
7302 D 8
7303 J 8

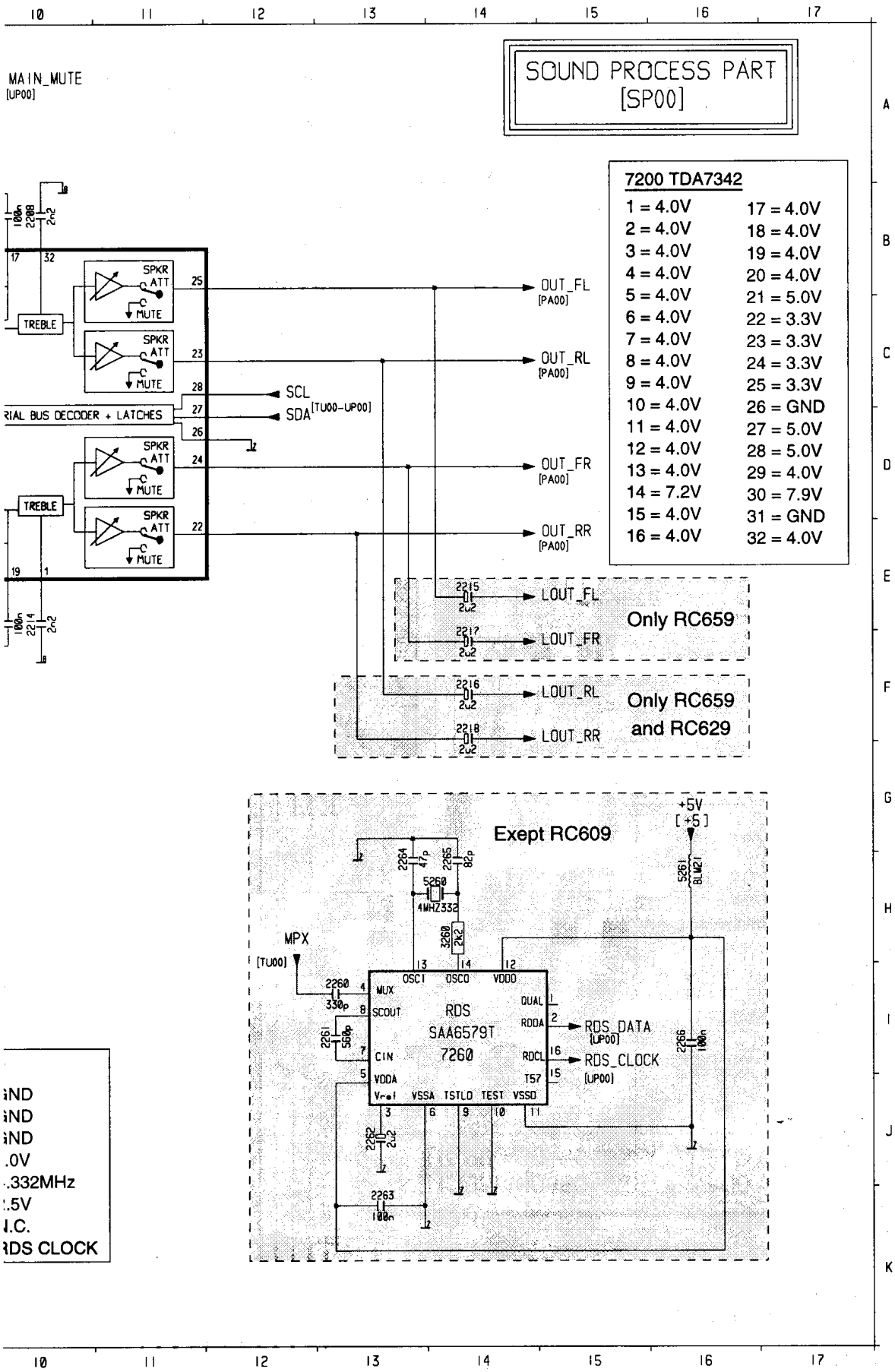


7230 LA2000

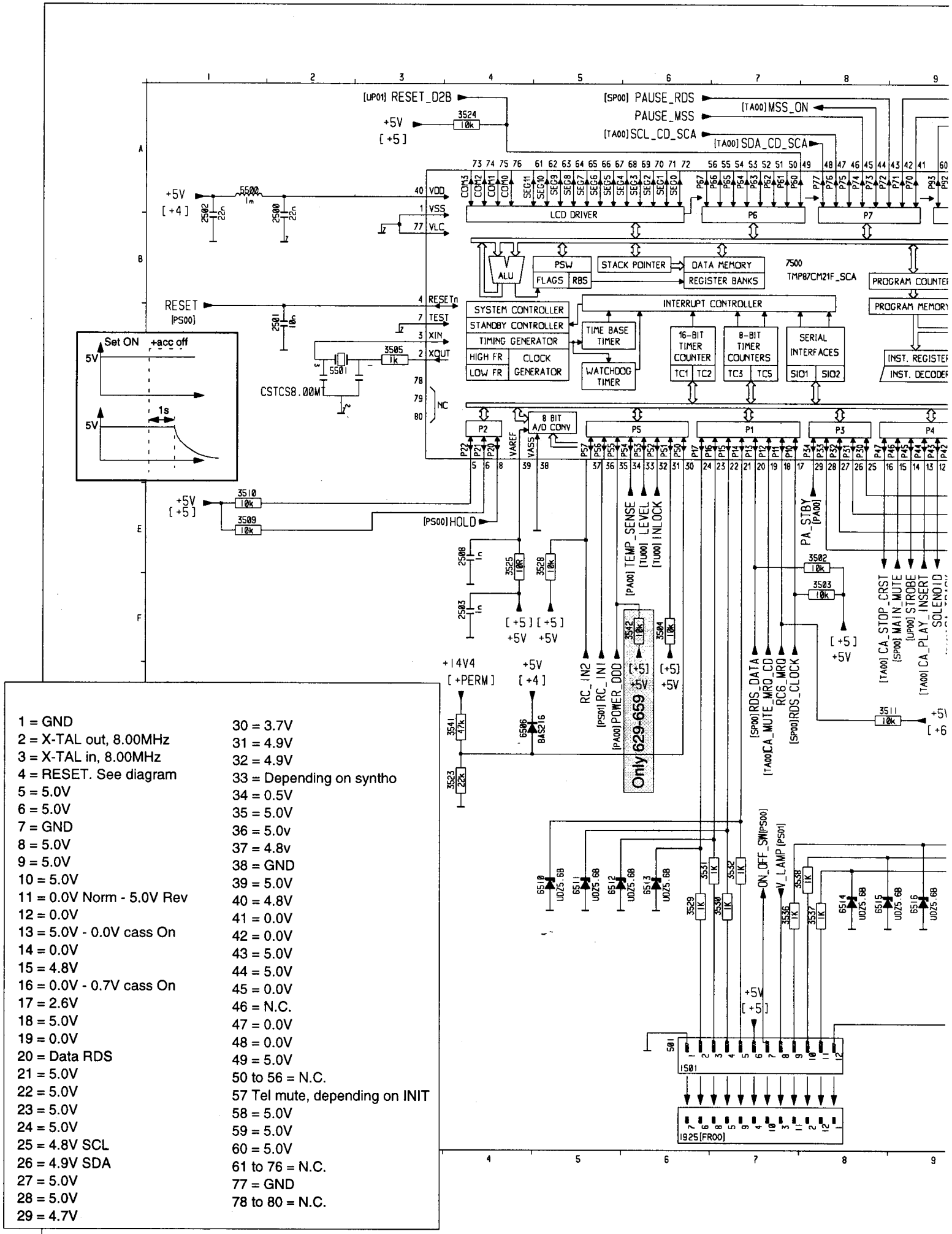
1 = 1.9V	5 = GND
2 =	6 = 5.1V
3 = 2.0V	.0.0V PAUSE
4 = N.C.	7 = N.C.
	8 = N.C.

7260 SAA6579T

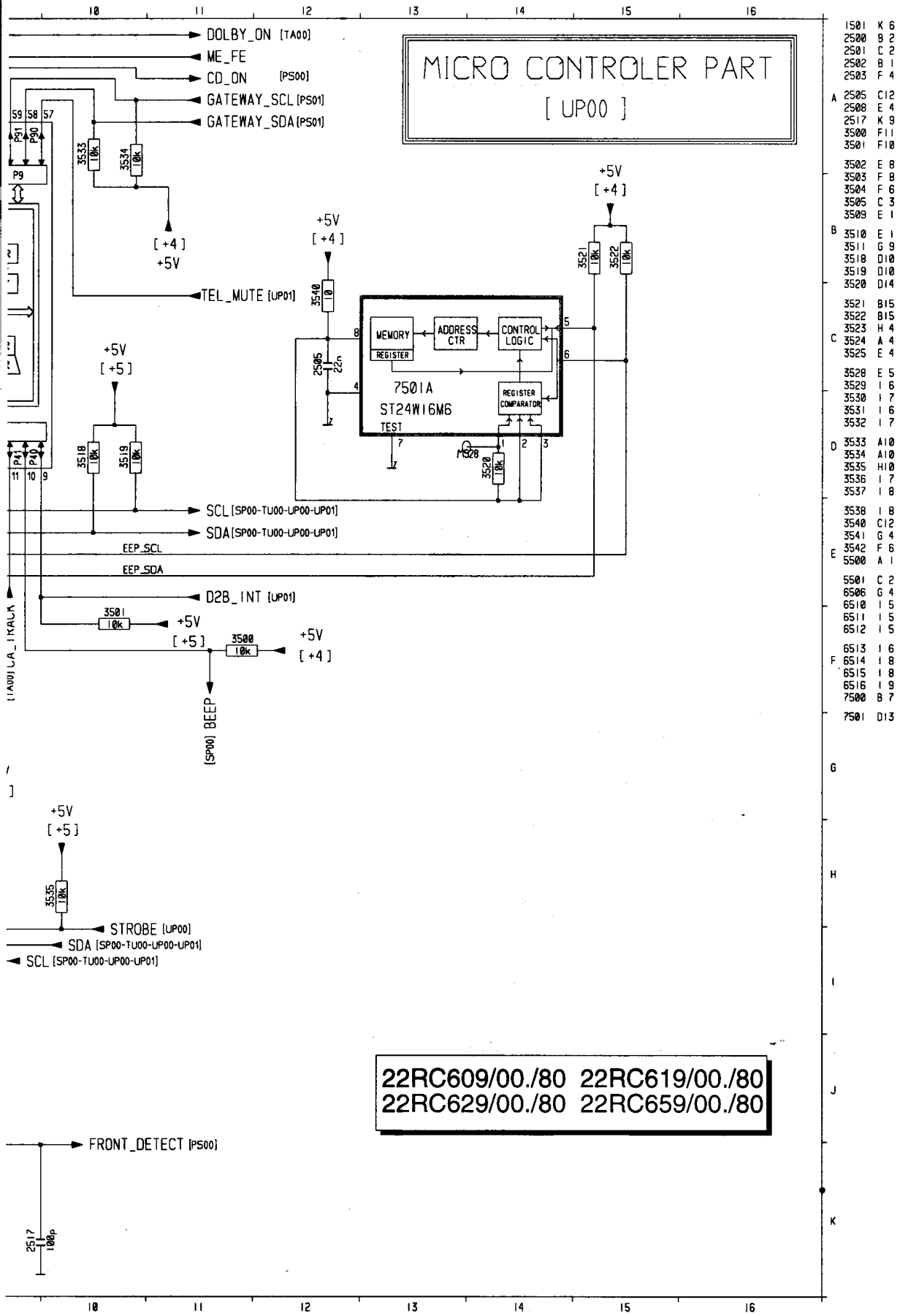
1 = N.C.	9 =
2 = RDS DATA	10 =
3 = 2.5V	11 =
4 = 2.5V	12 = 5
5 = 5.0V	13 = 4
6 = GND	14 = 2
7 = 2.5V	15 = N
8 = 2.6V	16 = F



	1200	A 2
	2202	F 6
	2203	E 7
	2204	B 8
A	2205	B 9
	2206	B 9
	2207	B10
	2208	B10
	2209	E 8
	2210	E 9
	2211	E 9
B	2212	E 9
	2213	E10
	2214	E10
	2215	E14
	2216	F14
	2217	F14
C	2218	F14
	2220	B 5
	2222	E 5
	2223	C 2
	2225	C 2
	2226	D 2
D	2227	D 5
	2228	C 4
	2229	D 4
	2230	H 2
	2231	H 4
E	2232	H 3
	2234	H 5
	2235	H 5
	2260	I13
	2261	I13
	2262	J13
F	2263	K13
	2264	H13
	2265	H14
	2266	I16
	3200	A 9
	3201	F 9
G	3202	C 1
	3203	D 1
	3204	D 1
	3206	D 5
	3207	A 9
	3208	B 3
H	3233	H 5
	3234	G 7
	3235	H 3
	3236	G 3
	3237	G 2
I	3238	E 3
	3239	E 3
	3260	H14
	5260	H14
	5261	H16
	6200	E 6
J	7200	B 6
	7230	G 5
	7260	I14
K		

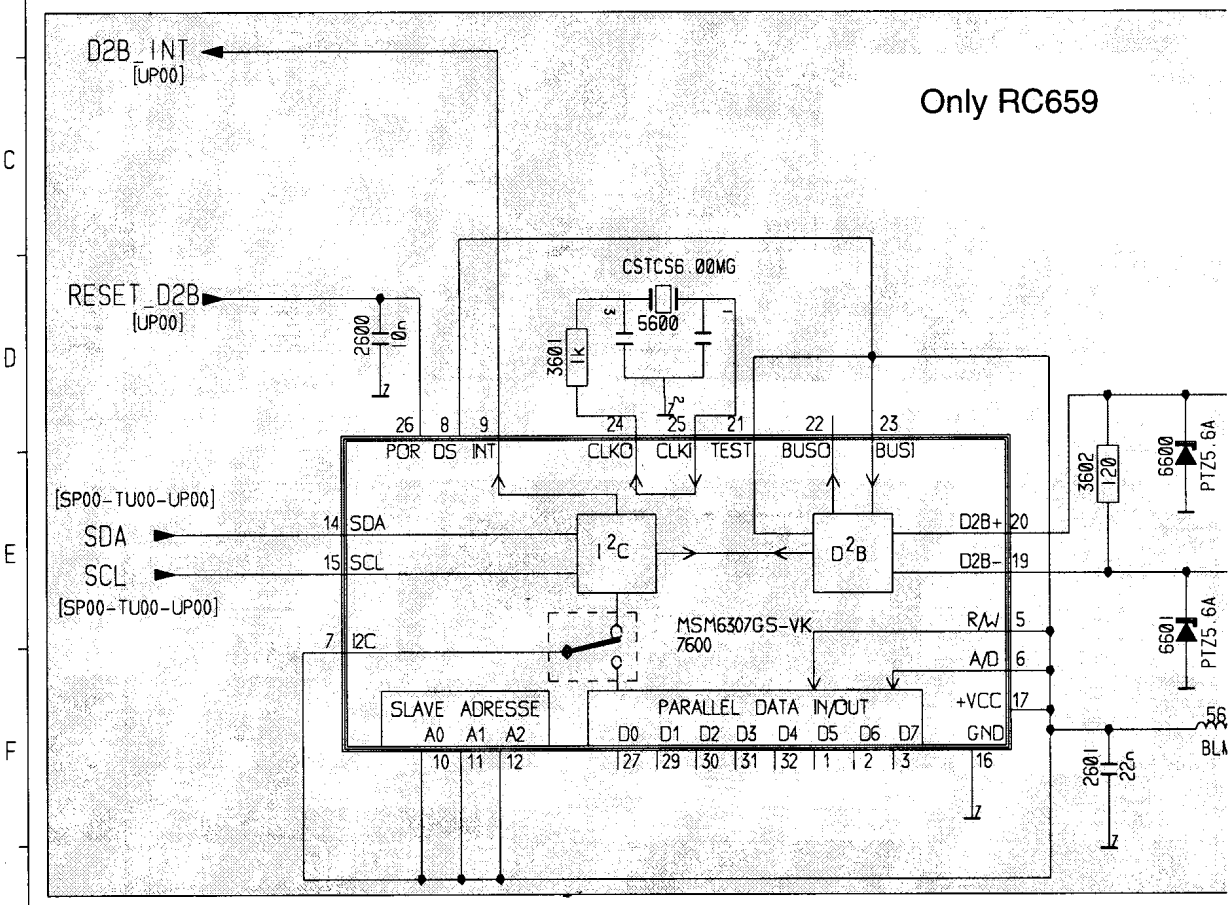


1 = GND
2 = X-TAL out, 8.00MHz
3 = X-TAL in, 8.00MHz
4 = RESET. See diagram
5 = 5.0V
6 = 5.0V
7 = GND
8 = 5.0V
9 = 5.0V
10 = 5.0V
11 = 0.0V Norm - 5.0V Rev
12 = 0.0V
13 = 5.0V - 0.0V cass On
14 = 0.0V
15 = 4.8V
16 = 0.0V - 0.7V cass On
17 = 2.6V
18 = 5.0V
19 = 0.0V
20 = Data RDS
21 = 5.0V
22 = 5.0V
23 = 5.0V
24 = 5.0V
25 = 4.8V SCL
26 = 4.9V SDA
27 = 5.0V
28 = 5.0V
29 = 4.7V
30 = 3.7V
31 = 4.9V
32 = 4.9V
33 = Depending on syntho
34 = 0.5V
35 = 5.0V
36 = 5.0v
37 = 4.8v
38 = GND
39 = 5.0V
40 = 4.8V
41 = 0.0V
42 = 0.0V
43 = 5.0V
44 = 5.0V
45 = 0.0V
46 = N.C.
47 = 0.0V
48 = 0.0V
49 = 5.0V
50 to 56 = N.C.
57 Tel mute, depending on INIT
58 = 5.0V
59 = 5.0V
60 = 5.0V
61 to 76 = N.C.
77 = GND
78 to 80 = N.C.



1501 K 6
2500 B 2
2501 C 2
2502 B 1
2503 F 4
2505 C12
2508 E 4
2517 K 9
3500 F11
3501 F10
3502 E 8
3503 F 8
3504 F 6
3505 C 3
3509 E 1
3510 E 1
3511 G 9
3518 D10
3519 D10
3520 D14
3521 B15
3522 B15
3523 H 4
3524 A 4
3525 E 4
3528 E 5
3529 I 6
3530 I 7
3531 I 6
3532 I 7
3533 A10
3534 A10
3535 H10
3536 I 7
3537 I 8
3538 I 8
3540 C12
3541 G 4
3542 F 6
5500 A 1
5501 C 2
6506 G 4
6510 I 5
6511 I 5
6512 I 5
6513 I 6
6514 I 8
6515 I 8
6516 I 9
7500 B 7
7501 D13

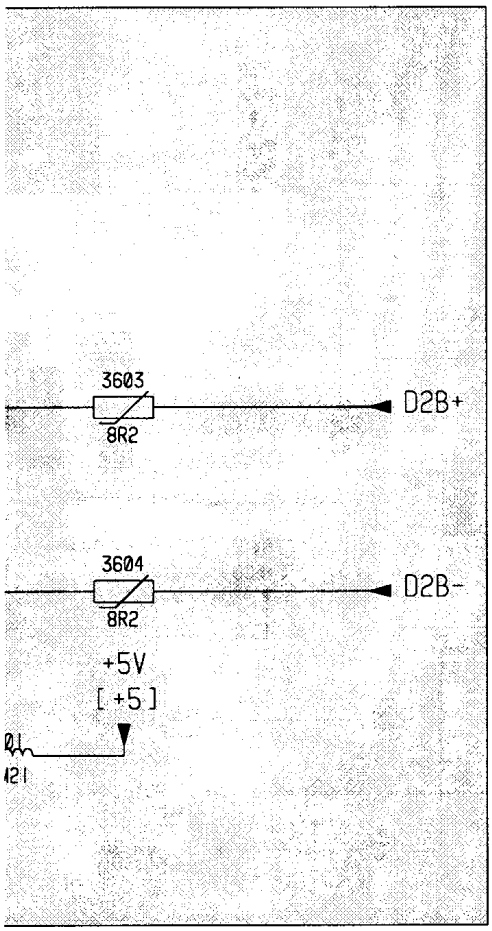
22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80

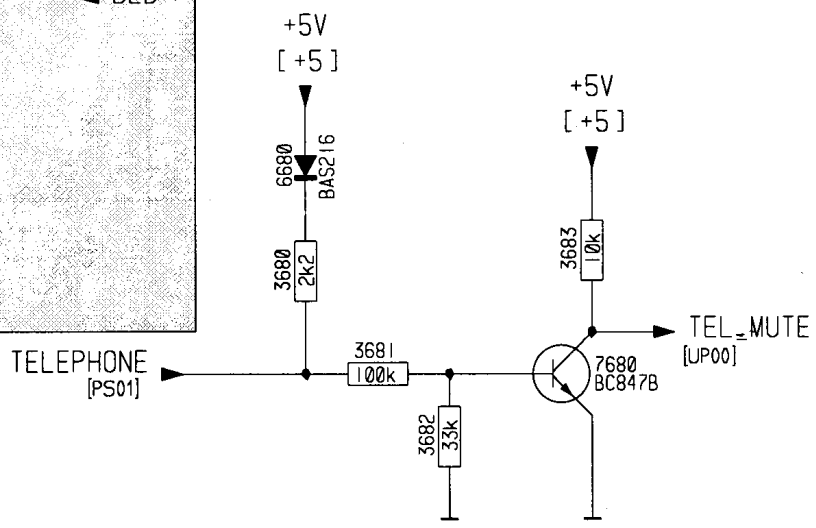

D2B_INT
[UP00]
Only RC659
RESET_D2B
[UP00]
CSTCS6.00MG
5600
3601
1k
2600
10n
26 8 9 24 25 21 22 23
POR DS INT CLKO CLKI TEST BUSO BUSI
[SP00-TU00-UP00]
SDA
SCL
[SP00-TU00-UP00]
14 SDA
15 SCL
I²C
D²B
D2B+ 20
D2B- 19
7 I2C
MSM6307GS-VK
7600
R/W 5
A/D 6
+VCC 17
GND 16
SLAVE ADRESSE
A0 A1 A2
10 11 12
PARALLEL DATA IN/OUT
D0 D1 D2 D3 D4 D5 D6 D7
27 29 30 31 32 1 2 3
3602
120
6600
PTZ5.6A
6601
PTZ5.6A
2601
22n
1 2 3 4 5 6
A B C D E F G

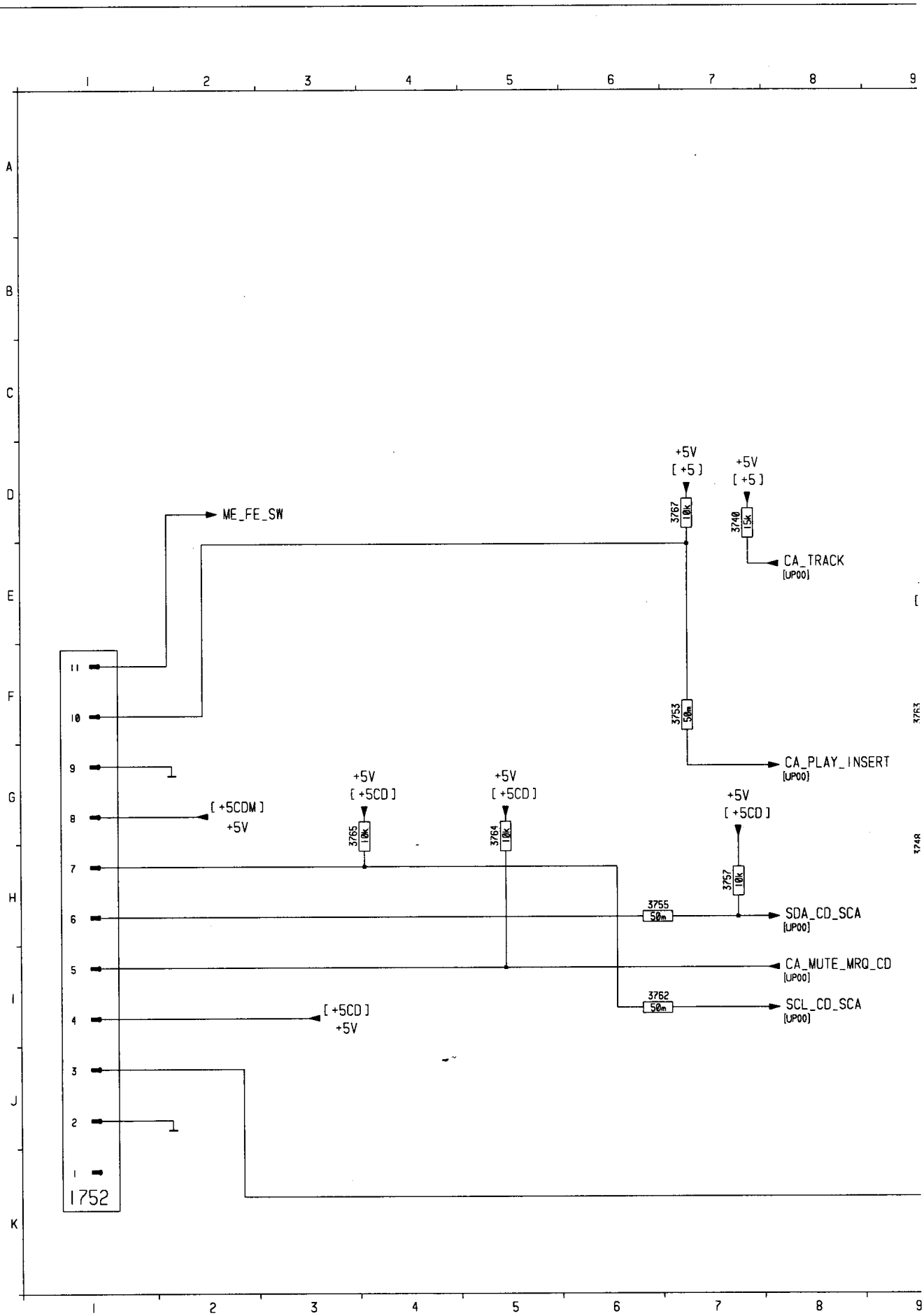
uP CONTROLLER PART 01
[UP01]

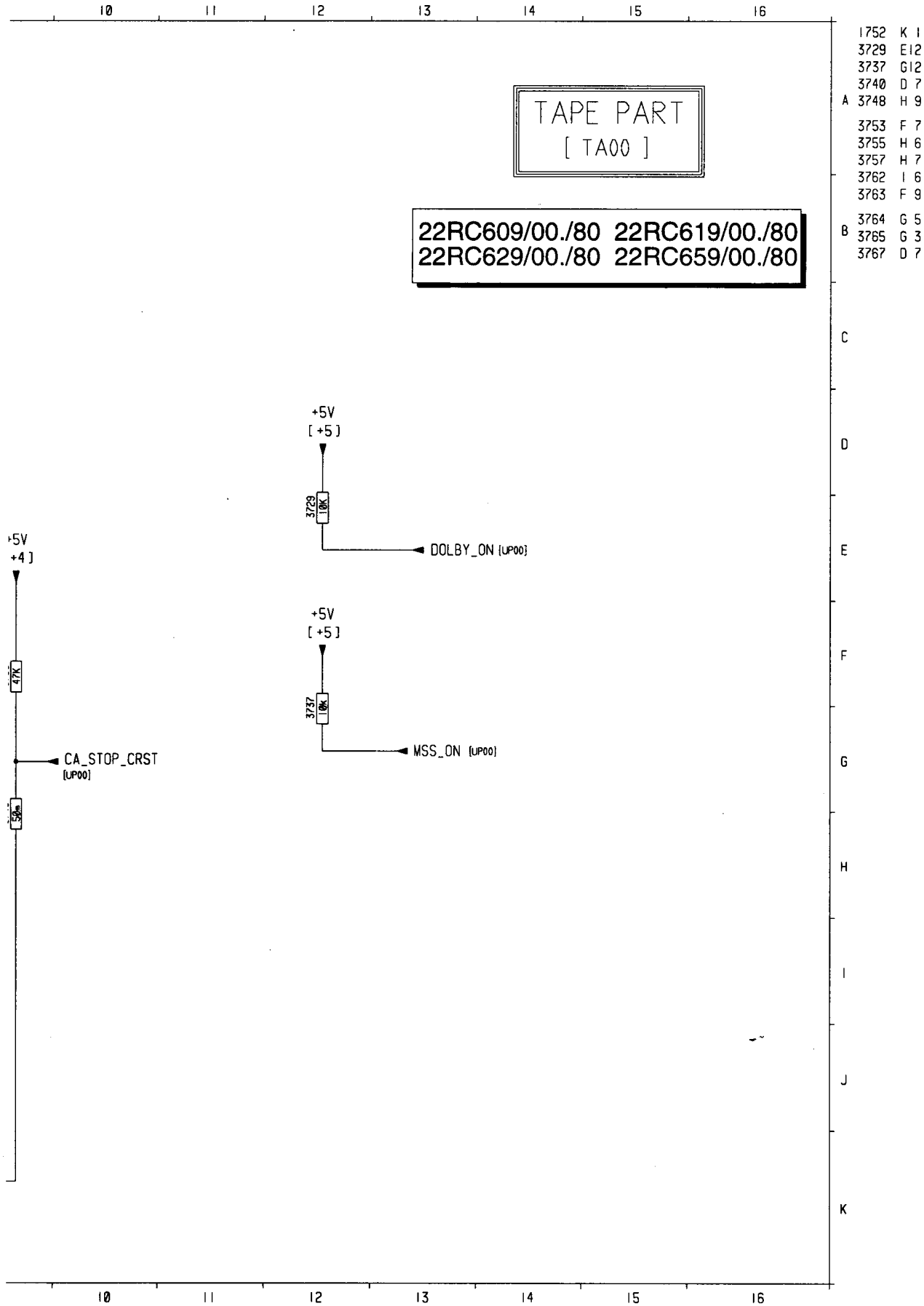
22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80

	2600	D 2
	2601	F 6
	3601	D 3
	3602	E 6
A	3603	D 7
	3604	E 7
	3680	F 9
	3681	G10
	3682	G10
	3683	F10
	5600	D 3
	5601	F 6
B	6600	E 6
	6601	E 6
	6680	F 9
	7600	F 3
	7680	G11

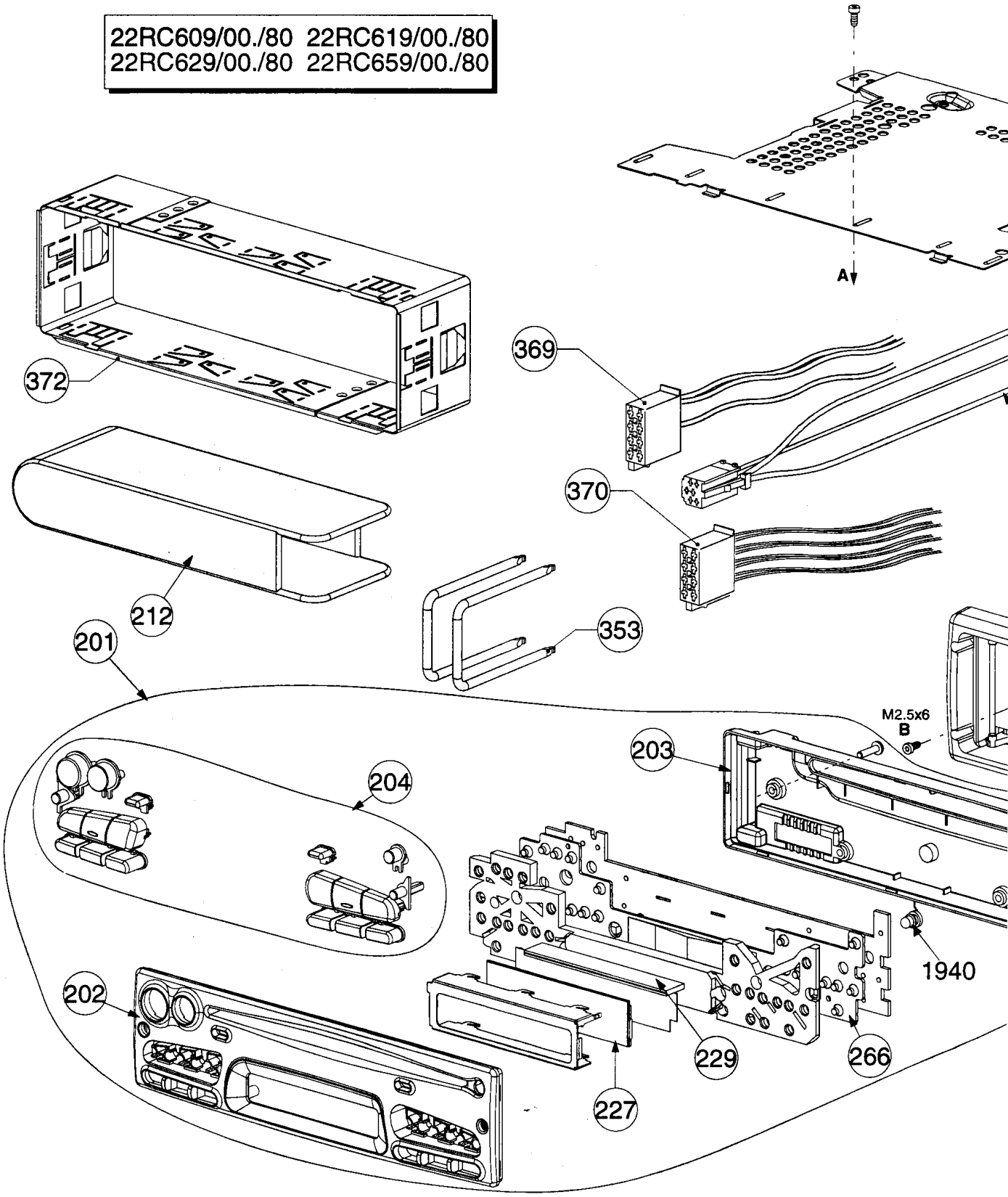




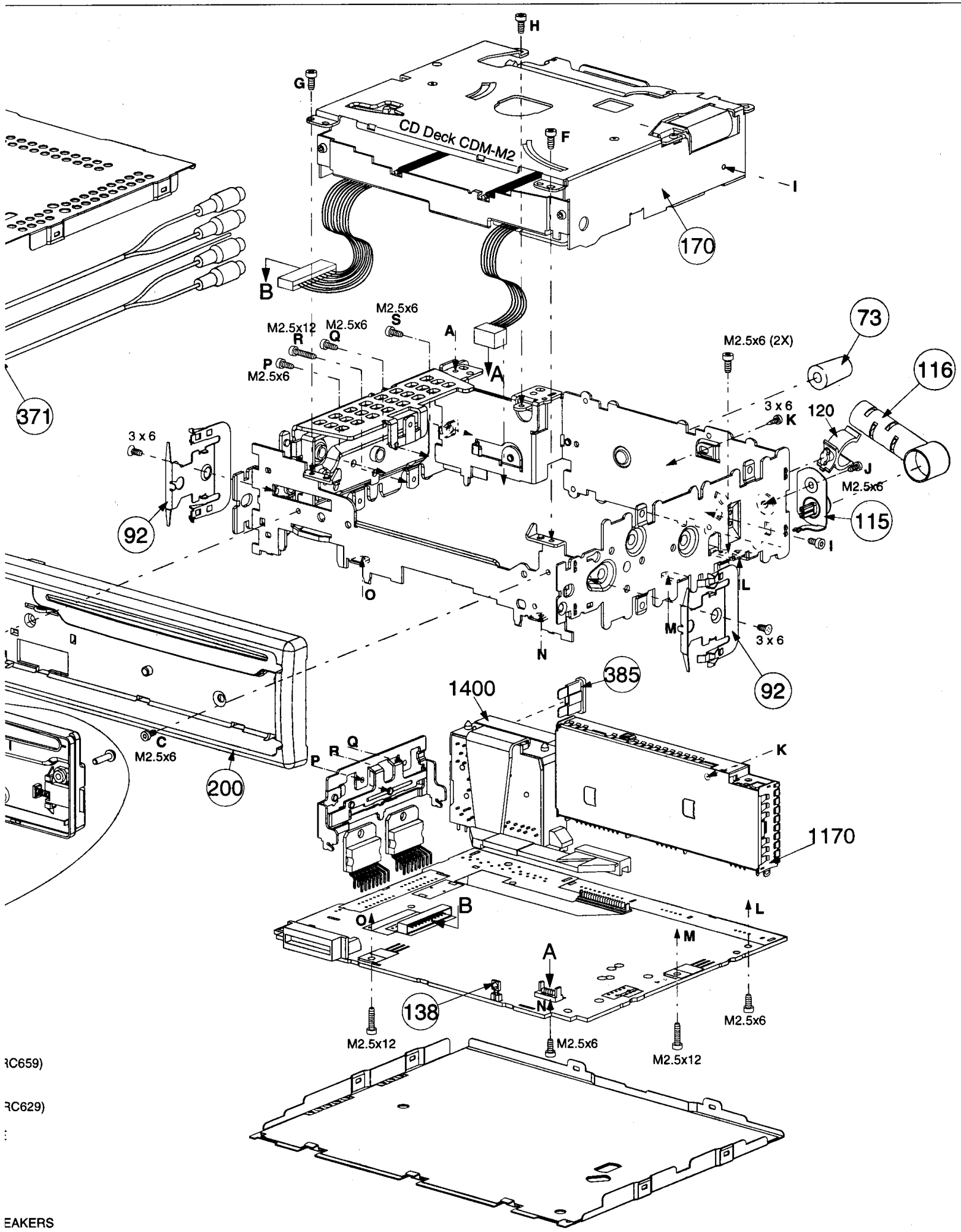

ME_FE_SW
+5V
[+5]
3767
10k
+5V
[+5]
3740
15k
CA_TRACK
[UP00]
3753
56m
CA_PLAY_INSERT
[UP00]
+5V
[+5CD]
3765
10k
+5V
[+5CD]
3764
10k
+5V
[+5CD]
3757
10k
[+5CDM]
+5V
3755
50m
SDA_CD_SCA
[UP00]
CA_MUTE_MRQ_CD
[UP00]
3762
50m
SCL_CD_SCA
[UP00]
[+5CD]
+5V
1752


10
11
12
13
14
15
16
TAPE PART
[TA00]
22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80
1752 K 1
3729 E12
3737 G12
3740 D 7
A 3748 H 9
3753 F 7
3755 H 6
3757 H 7
3762 I 6
3763 F 9
B 3764 G 5
3765 G 3
3767 D 7
C
D
E
F
G
H
I
J
K
+5V
[+5]
3729
10K
DOLBY_ON [UP00]
+5V
[+5]
3737
10K
MSS_ON [UP00]
+5V
+4]
47K
CA_STOP_CRST
[UP00]
10

22RC609/00./80 22RC619/00./80
22RC629/00./80 22RC659/00./80



73	4822 532 11092	BUFFER MOUNTING
92	4822 492 71046	SPRING MOUNTING (X2)
115	4822 265 10717	CONNECTOR AERIAL ASSY
116	4822 263 21164	ADAPTOR AERIAL
138	4822 130 82996	BLINKING LED TLPR5620
170	4822 691 10662	DECK ASSY SCA-R3.1
200	4822 454 13258	FIXED FRONT ASSY (RC609 RC619)
200	4822 459 04847	FIXED FRONT ASSY (RC629 RC659)
201	4822 459 04852	DETACHABLE UNIT ASSY(RC609/00)
201	4822 459 04859	DETACHABLE UNIT ASSY(RC609/80)
201	4822 459 04854	DETACHABLE UNIT ASSY(RC619/00)
201	4822 459 04861	DETACHABLE UNIT ASSY(RC619/80)
201	4822 459 04856	DETACHABLE UNIT ASSY(RC629/00)
201	4822 459 04862	DETACHABLE UNIT ASSY(RC629/80)
201	4822 459 04848	DETACHABLE UNIT ASSY(RC659/00)
201	4822 459 04864	DETACHABLE UNIT ASSY(RC659/80)
202	4822 459 04853	COVER FRONT PRINTED (RC609)
202	4822 459 04855	COVER FRONT PRINTED (RC619)
202	4822 459 04857	COVER FRONT PRINTED (RC629)
202	4822 459 04858	COVER FRONT PRINTED (F
203	4822 426 10569	COVER BACK ASSY
204	4822 410 11574	SET OF BUTTONS (RC609)
204	4822 410 11575	SET OF BUTTONS (RC619-F
204	4822 410 11576	SET OF BUTTONS (RC659)
212	4822 418 10123	DETACHABLE UNIT'S CASE
227	4822 135 00121	L.C.D. LPH5767-1
229	4822 267 10334	L.C.D.'S CONNECTOR
266	4822 466 11755	SWITCHMAT
353	4822 404 20437	DEMOUNTING BRACKET
369	4822 321 11012	CABLE ADAPTOR POWER
370	4822 320 11637	CABLE ADAPTOR LOUDSPI
371	4822 320 11902	CABLE LINE-OUT (ONLY RC
371	4822 320 12211	CABLE LINE-OUT (ONLY RC
372	4822 443 30463	SLEEVE
375	4822 736 15829	DIRECTIONS FOR USE (RC
375	4822 736 15832	DIRECTIONS FOR USE (RC
385	4822 071 21003	FUSE BLADE 10A



RC659)

RC629)

EAKERS
C629)
C659)

609 RC619)
629 RC659)

Miscellaneous			RC609	RC619	RC629	RC659
1170	4822 210 10741	TUNER IC96 8SV	1	1	1	1
1400	4822 265 10899	CONNECTOR BLOCK ABC	0	0	1	1
1400	4822 265 10914	CONNECTOR BLOCK AB	1	1	0	0
1404	4822 252 51164	FUSE 1,50A 32V	0	0	0	1
1440	4822 256 30483	CONNECTOR LAMP	1	1	1	1
1940	4822 134 10086	65MA 14V T-1 OG (../00)	1	1	1	1
1940	4822 134 10087	65MA 14V T-1 GN (../80)	1	1	1	1
1941	4822 134 10086	65MA 14V T-1 OG (../00)	1	1	1	1
1941	4822 134 10087	65MA 14V T-1 GN (../80)	1	1	1	1
1942	4822 134 10086	65MA 14V T-1 OG (../00)	1	1	1	1
1942	4822 134 10087	65MA 14V T-1 GN (../80)	1	1	1	1
1943	4822 134 10086	65MA 14V T-1 OG (../00)	1	1	1	1
1943	4822 134 10087	65MA 14V T-1 GN (../80)	1	1	1	1
⊣⊢						
2181	5322 122 32531	100PF 5%NP0 50V	1	1	1	1
2182	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2183	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2185	5322 122 34123	1NF10%X7R 50V	1	1	1	1
2202	4822 124 23582	220UF 10V	1	1	1	1
2203	4822 124 41017	10UF 16V	1	1	1	1
2204	4822 124 23504	2.2UF20% 50V	1	1	1	1
2205	4822 126 13343	47NF10% X7R 25V	1	1	1	1
2206	4822 126 14165	100NF 10% 25V	1	1	1	1
2207	4822 126 14165	100NF 10% 25V	1	1	1	1
2208	4822 122 33127	2,2NF10%X7R 63V	1	1	1	1
2209	4822 124 23504	2.2UF20% 50V	1	1	1	1
2210	4822 126 13343	47NF10% X7R 25V	1	1	1	1
2211	5322 126 10223	4,7NF10%X7R 63V	1	1	1	1
2212	4822 126 14165	100NF 10% 25V	1	1	1	1
2213	4822 126 14165	100NF 10% 25V	1	1	1	1
2214	4822 122 33127	2,2NF10%X7R 63V	1	1	1	1
2215	4822 124 23504	2.2UF20% 50V	0	0	0	1
2216	4822 124 23504	2.2UF20% 50V	0	0	1	1
2217	4822 124 23504	2.2UF20% 50V	0	0	0	1
2218	4822 124 23504	2.2UF20% 50V	0	0	1	1
2220	4822 126 14165	100NF 10% 25V	1	1	1	1
2222	4822 126 14165	100NF 10% 25V	1	1	1	1
2223	4822 124 23504	2.2UF20% 50V	0	0	0	1
2225	4822 124 23504	2.2UF20% 50V	0	0	0	1
2226	4822 124 23504	2.2UF20% 50V	0	0	0	1
2227	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2228	4822 124 23282	1UF20% 50V	1	1	1	1
2229	4822 124 23282	1UF20% 50V	1	1	1	1
2230	4822 126 14165	100NF 10% 25V	0	1	1	1
2231	4822 124 23504	2.2UF20% 50V	0	1	1	1
2232	5322 122 34123	1NF10%X7R 50V	0	1	1	1
2234	4822 124 23504	2.2UF20% 50V	0	1	1	1
2235	4822 126 13343	47NF10% X7R 25V	0	1	1	1
2260	5322 122 31863	330PF 5%NP0 50V	0	1	1	1
2261	5322 116 80853	560PF 5%NP0 63V	0	1	1	1
2262	4822 124 23504	2.2UF20% 50V	0	1	1	1
2263	4822 126 14165	100NF 10% 25V	0	1	1	1
2264	5322 122 32452	47PF 5%NP0 63V	0	1	1	1
2265	4822 122 33515	82PF 5%NP0 63V	0	1	1	1
2266	4822 126 14165	100NF 10% 25V	0	1	1	1
2300	4822 124 22646	47UF20% 16V	1	1	1	1
2301	4822 124 22646	47UF20% 16V	1	1	1	1
2302	4822 124 41017	10UF 16V	1	1	1	1
2303	4822 124 23282	1UF20% 50V	1	1	1	1

⊣⊢			RC609	RC619	RC629	RC659
2304	4822 124 23282	1UF20% 50V	1	1	1	1
2305	4822 124 23282	1UF20% 50V	1	1	1	1
2306	4822 124 23282	1UF20% 50V	1	1	1	1
2309	4822 126 14165	100NF 10% 25V	1	1	1	1
2311	5322 122 32268	470PF 10% 50V	1	1	1	1
2313	5322 122 32268	470PF 10% 50V	1	1	1	1
2314	5322 122 32268	470PF 10% 50V	1	1	1	1
2315	5322 122 32268	470PF 10% 50V	1	1	1	1
2317	4822 126 14165	100NF 10% 25V	1	1	1	1
2319	4822 126 14165	100NF 10% 25V	1	1	1	1
2320	4822 126 14165	100NF 10% 25V	1	1	1	1
2321	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2322	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2323	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2324	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2325	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2326	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2327	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2328	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2329	4822 124 23282	1UF20% 50V	1	1	1	1
2333	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2401	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2402	4822 124 11952	100UF 20% 16V	1	1	1	1
2403	4822 126 14165	100NF 10% 25V	1	1	1	1
2404	4822 124 22646	47UF20% 16V	1	1	1	1
2405	4822 126 14165	100NF 10% 25V	1	1	1	1
2406	4822 124 80769	2200UF20% 16V	1	1	1	1
2407	4822 124 80769	2200UF20% 16V	1	1	1	1
2409	4822 126 13849	220NF 10% 16V	1	1	1	1
2410	4822 124 22646	47UF20% 16V	1	1	1	1
2411	4822 126 14165	100NF 10% 25V	1	1	1	1
2412	4822 126 14165	100NF 10% 25V	1	1	1	1
2413	4822 126 14165	100NF 10% 25V	1	1	1	1
2415	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2416	4822 124 23282	1UF20% 50V	1	1	1	1
2417	4822 124 23279	22UF20% 16V	1	1	1	1
2418	4822 124 23279	22UF20% 16V	1	1	1	1
2419	4822 124 41017	10UF 16V	1	1	1	1
2420	4822 124 23279	22UF20% 16V	1	1	1	1
2421	4822 124 11952	100UF 20% 16V	1	1	1	1
2422	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2423	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2425	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2427	4822 126 14165	100NF 10% 25V	1	1	1	1
2428	4822 126 13849	220NF 10% 16V	1	1	1	1
2470	5322 122 32531	100PF 5%NP0 50V	1	1	1	1
2471	5322 122 32531	100PF 5%NP0 50V	1	1	1	1
2473	5322 122 34123	1NF10%X7R 50V	1	1	1	1
2476	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2477	4822 126 13343	47NF10% X7R 25V	1	1	1	1
2500	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2501	5322 122 34098	10NF10%X7R 63V	1	1	1	1
2502	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2503	5322 122 34123	1NF10%X7R 50V	1	1	1	1
2505	5322 122 32654	22NF10%X7R 63V	1	1	1	1
2508	5322 122 34123	1NF10%X7R 50V	1	1	1	1
2517	5322 122 32531	100PF 5%NP0 50V	1	1	1	1
2600	5322 122 34098	10NF10%X7R 63V	0	0	0	1
2601	5322 122 32654	22NF10%X7R 63V	0	0	0	1
2900	4822 126 14165	100NF 10% 25V	1	1	1	1

			RC609	RC619	RC629	RC659
2901	4822 126 14165	100NF 10% 25V	1	1	1	1
2902	5322 122 32654	22NF10%X7R 63V	1	1	1	1
3175	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3178	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3179	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3181	4822 117 10833	10K 1% 0,1W	1	1	1	1
3182	4822 051 20562	5K60 5% 0,1W	1	1	1	1
3183	4822 051 20273	27K00 5% 0,1W	1	1	1	1
3184	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3200	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3201	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3202	4822 051 20008	0R00 JUMP. (0805)	0	0	0	1
3203	4822 051 20008	0R00 JUMP. (0805)	0	0	0	1
3204	4822 051 20008	0R00 JUMP. (0805)	0	0	0	1
3206	4822 051 20334	330K00 5% 0,1W	1	1	1	1
3207	4822 117 10833	10K 1% 0,1W	1	1	1	1
3208	4822 117 10833	10K 1% 0,1W	1	1	1	1
3233	4822 051 20334	330K00 5% 0,1W	0	1	1	1
3234	4822 117 10833	10K 1% 0,1W	1	1	1	1
3235	4822 051 20223	22K00 5% 0,1W	0	1	1	1
3236	4822 051 20683	68K00 5% 0,1W	0	1	1	1
3237	4822 051 20104	100K00 5% 0,1W	0	1	1	1
3238	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3239	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3260	4822 117 11449	2K2 1% 0,1W	0	1	1	1
3300	4822 117 10833	10K 1% 0,1W	1	1	1	1
3302	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3306	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3307	4822 117 10833	10K 1% 0,1W	1	1	1	1
3308	4822 117 10833	10K 1% 0,1W	1	1	1	1
3309	4822 051 20333	33K00 5% 0,1W	1	1	1	1
3312	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3313	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3316	4822 117 10833	10K 1% 0,1W	1	1	1	1
3317	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3318	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3319	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3320	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3321	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3322	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3323	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3324	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3325	4822 117 10833	10K 1% 0,1W	1	1	1	1
3326	4822 117 10833	10K 1% 0,1W	1	1	1	1
3329	4822 116 10062	470R 50% 16V PTC 0805	1	1	1	1
3398	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3409	4822 051 20104	100K00 5% 0,1W	1	1	1	1
3410	4822 051 20333	33K00 5% 0,1W	1	1	1	1
3411	4822 051 20393	39K00 5% 0,1W	1	1	1	1
3412	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3413	4822 117 10834	47K 1% 0,1W	1	1	1	1
3414	4822 117 10834	47K 1% 0,1W	1	1	1	1
3416	4822 117 10834	47K 1% 0,1W	1	1	1	1
3417	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3420	4822 051 20681	680R00 5% 0,1W	1	1	1	1
3421	4822 117 11449	2K2 1% 0,1W	1	1	1	1
3422	4822 051 20224	220K00 5% 0,1W	1	1	1	1
3423	4822 051 20474	470K00 5% 0,1W	1	1	1	1

			RC609	RC619	RC629	RC659
3424	4822 051 20184	180K00 5% 0,1W	1	1	1	1
3425	4822 051 20224	220K00 5% 0,1W	1	1	1	1
3426	4822 051 20392	3K90 5% 0,1W	1	1	1	1
3427	4822 051 20223	22K00 5% 0,1W	1	1	1	1
3428	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3429	4822 117 10833	10K 1% 0,1W	1	1	1	1
3431	4822 051 20104	100K00 5% 0,1W	1	1	1	1
3432	4822 117 10833	10K 1% 0,1W	1	1	1	1
3435	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3436	4822 051 20472	4K70 5% 0,1W	1	1	1	1
3439	4822 117 11449	2K2 1% 0,1W	1	1	1	1
3440	4822 117 10834	47K 1% 0,1W	1	1	1	1
3445	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3446	4822 117 10834	47K 1% 0,1W	1	1	1	1
3447	4822 051 20104	100K00 5% 0,1W	1	1	1	1
3448	4822 051 20271	270R00 5% 0,1W	1	1	1	1
3449	4822 117 10834	47K 1% 0,1W	1	1	1	1
3450	4822 051 20105	1M00 5% 0,1W	1	1	1	1
3451	4822 051 20105	1M00 5% 0,1W	1	1	1	1
3452	4822 051 20105	1M00 5% 0,1W	1	1	1	1
3453	4822 117 10834	47K 1% 0,1W	1	1	1	1
3460	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3471	4822 116 40267	3R3 25% 20V	1	1	1	1
3472	4822 051 20101	100R00 5% 0,1W	1	1	1	1
3473	4822 051 20101	100R00 5% 0,1W	1	1	1	1
3475	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3476	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3481	4822 051 20331	330R00 5% 0,1W	1	1	1	1
3483	4822 051 20101	100R00 5% 0,1W	1	1	1	1
3484	4822 051 20101	100R00 5% 0,1W	1	1	1	1
3485	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3489	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3494	4822 117 11449	2K2 1% 0,1W	1	1	1	1
3500	4822 117 10833	10K 1% 0,1W	1	1	1	1
3501	4822 117 10833	10K 1% 0,1W	1	1	1	1
3502	4822 117 10833	10K 1% 0,1W	1	1	1	1
3503	4822 117 10833	10K 1% 0,1W	1	1	1	1
3504	4822 117 10833	10K 1% 0,1W	1	1	1	1
3505	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3509	4822 117 10833	10K 1% 0,1W	1	1	1	1
3510	4822 117 10833	10K 1% 0,1W	1	1	1	1
3511	4822 117 10833	10K 1% 0,1W	1	1	1	1
3518	4822 117 10833	10K 1% 0,1W	1	1	1	1
3519	4822 117 10833	10K 1% 0,1W	1	1	1	1
3520	4822 117 10833	10K 1% 0,1W	1	1	1	1
3521	4822 117 10833	10K 1% 0,1W	1	1	1	1
3522	4822 117 10833	10K 1% 0,1W	1	1	1	1
3523	4822 051 20223	22K00 5% 0,1W	1	1	1	1
3524	4822 117 10833	10K 1% 0,1W	1	1	1	1
3525	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3528	4822 117 10833	10K 1% 0,1W	1	1	1	1
3529	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3530	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3531	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3532	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3533	4822 117 10833	10K 1% 0,1W	1	1	1	1
3534	4822 117 10833	10K 1% 0,1W	1	1	1	1
3535	4822 117 10833	10K 1% 0,1W	1	1	1	1
3536	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3537	4822 051 20102	1K00 5% 0,1W	1	1	1	1

			RC609	RC619	RC629	RC659
3538	4822 051 20102	1K00 5% 0,1W	1	1	1	1
3540	4822 051 20109	10R00 5% 0,1W	1	1	1	1
3541	4822 117 10834	47K 1% 0,1W	1	1	1	1
3542	4822 117 10833	10K 1% 0,1W	0	0	1	1
3601	4822 051 20102	1K00 5% 0,1W	0	0	0	1
3602	4822 051 20121	120R00 5% 0,1W	0	0	0	1
3603	4822 116 10063	8,2R 25% 30V PTC	0	0	0	1
3604	4822 116 10063	8,2R 25% 30V PTC	0	0	0	1
3680	4822 117 11449	2K2 1% 0,1W	1	1	1	1
3681	4822 051 20104	100K00 5% 0,1W	1	1	1	1
3682	4822 051 20333	33K00 5% 0,1W	1	1	1	1
3683	4822 117 10833	10K 1% 0,1W	1	1	1	1
3729	4822 117 10833	10K 1% 0,1W	1	1	1	1
3737	4822 117 10833	10K 1% 0,1W	1	1	1	1
3740	4822 051 20153	15K00 5% 0,1W	1	1	1	1
3748	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3753	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3755	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3757	4822 117 10833	10K 1% 0,1W	1	1	1	1
3762	4822 051 20008	0R00 JUMP. (0805)	1	1	1	1
3763	4822 117 10833	10K 1% 0,1W	1	1	1	1
3764	4822 117 10833	10K 1% 0,1W	1	1	1	1
3765	4822 117 10833	10K 1% 0,1W	1	1	1	1
3767	4822 117 10833	10K 1% 0,1W	1	1	1	1
3800	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3801	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3900	4822 051 20122	1K20 5% 0,1W	1	1	1	1
3904	4822 051 20223	22K00 5% 0,1W	1	1	1	1
3905	4822 051 20223	22K00 5% 0,1W	1	1	1	1
3906	4822 051 20223	22K00 5% 0,1W	1	1	1	1
3907	4822 051 20223	22K00 5% 0,1W	1	1	1	1
3908	4822 117 11503	220R 1% 0.1W	1	1	1	1
3909	4822 117 11503	220R 1% 0.1W	1	1	1	1
3910	4822 117 11503	220R 1% 0.1W	1	1	1	1
3911	4822 051 20101	100R00 5% 0,1W	1	1	1	1
3912	4822 051 20182	1K80 5% 0,1W	1	1	1	1
3913	4822 117 10353	150R 1% 0,1W	1	1	1	1
3914	4822 051 20122	1K20 5% 0,1W	1	1	1	1
3915	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3916	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3917	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3918	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3919	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3920	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3921	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3922	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3923	4822 051 20101	100R00 5% 0,1W	1	1	1	1
3924	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3925	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3926	4822 051 20229	22R00 5% 0,1W	1	1	1	1
3927	4822 051 20229	22R00 5% 0,1W	1	1	1	1

			RC609	RC619	RC629	RC659
5172	4822 157 10975	120UH 10%	1	1	1	1
5173	4822 157 71184	10UH 10%	1	1	1	1
5260	4822 242 80259	LN-G38-311 (4,332MHZ)	0	1	1	1
5261	4822 157 71206	BLM21A10PT	0	1	1	1
5420	4822 157 70935	COIL ASSY 97UH 10A	1	1	1	1
5421	4822 158 10471	LAL04TBR22M	1	1	1	1
5500	4822 157 11207	EL0405RA-102K-3	1	1	1	1
5501	4822 242 10753	CSTCS8,00MT-TC	1	1	1	1
5600	4822 242 10709	CSTCS6.00MG-TC	0	0	0	1
5601	4822 157 71206	BLM21A10PT	0	0	0	1
6200	4822 130 83757	BAS216	1	1	1	1
6402	4822 130 83757	BAS216	1	1	1	1
6403	4822 130 83757	BAS216	1	1	1	1
6404	4822 130 10488	S3G	1	1	1	1
6407	4822 130 10877	UDZ9.1B	1	1	1	1
6408	4822 130 10185	UDZ5.6B	1	1	1	1
6409	4822 130 10655	1SR154-400	1	1	1	1
6410	4822 130 10655	1SR154-400	1	1	1	1
6412	4822 130 83757	BAS216	1	1	1	1
6413	4822 130 83757	BAS216	1	1	1	1
6473	4822 130 10185	UDZ5.6B	1	1	1	1
6474	4822 130 10185	UDZ5.6B	1	1	1	1
6478	4822 130 10655	1SR154-400	1	1	1	1
6506	4822 130 83757	BAS216	1	1	1	1
6510	4822 130 10185	UDZ5.6B	1	1	1	1
6511	4822 130 10185	UDZ5.6B	1	1	1	1
6512	4822 130 10185	UDZ5.6B	1	1	1	1
6513	4822 130 10185	UDZ5.6B	1	1	1	1
6514	4822 130 10185	UDZ5.6B	1	1	1	1
6515	4822 130 10185	UDZ5.6B	1	1	1	1
6516	4822 130 10185	UDZ5.6B	1	1	1	1
6600	4822 130 10657	PTZ5.6A	0	0	0	1
6601	4822 130 10657	PTZ5.6A	0	0	0	1
6680	4822 130 83757	BAS216	1	1	1	1
6900	4822 130 10185	UDZ5.6B	1	1	1	1
6901	4822 130 10185	UDZ5.6B	1	1	1	1
6902	4822 130 10185	UDZ5.6B	1	1	1	1
6903	4822 130 83757	BAS216	1	1	1	1
6904	4822 130 83757	BAS216	1	1	1	1
6905	4822 130 83757	BAS216	1	1	1	1
6906	4822 130 83757	BAS216	1	1	1	1
6907	4822 130 83757	BAS216	1	1	1	1
7200	4822 209 12723	TDA7342	1	1	1	1
7230	4822 209 83159	LA2000	0	1	1	1
7260	4822 209 31981	LA2000	0	1	1	1
7302	4822 209 33629	LA2000	1	1	1	1
7303	4822 209 33629	LA2000	1	1	1	1
7402	4822 209 15418	L4949ED	1	1	1	1
7403	4822 130 60511	BC847B	1	1	1	1
7404	5322 130 60508	BC857B	1	1	1	1
7405	4822 130 40995	BD438	1	1	1	1
7407	4822 130 60511	BC847B	1	1	1	1
7409	5322 209 14477	HEF4013BT	1	1	1	1
7410	5322 130 60508	BC857B	1	1	1	1
7411	4822 130 40995	BD438	1	1	1	1
7412	4822 130 60511	BC847B	1	1	1	1
7414	5322 130 60508	BC857B	1	1	1	1
7415	4822 130 60511	BC847B	1	1	1	1
7416	4822 130 60511	BC847B	1	1	1	1
7417	4822 130 10839	2SD2061	1	1	1	1
7418	4822 130 10839	2SD2061	1	1	1	1
7420	5322 130 60508	BC857B	1	1	1	1
7500	4822 209 16068	TMP87CM21F/2228	0	1	1	1

			RC609	RC619	RC629	RC659
7500	4822 209 16075	TMP87CM21F/2236	1	0	0	0
7501	4822 900 11186	ST24W16M6	1	1	1	0
7501	4822 900 11187	ST24W16M6	0	0	0	1
7600	4822 209 32743	MSM6307GS	0	0	0	1
7680	4822 130 60511	BC847B	1	1	1	1
7900	5322 209 11306	HEF4094BT	1	1	1	1
7901	4822 209 15482	PCF8576CH/F1	1	1	1	1