

M/L1766PD Service Manual

SERVICEMAN WARNING X-RAY PRECAUTION

This product includes critical mechanical and electrical parts which are essential for X-radiation safety. For continued safety replace critical components indicated in the service manual only with the exact replacement parts given in the parts list. High operating voltage for this product is 27KV at minimum brightness. Refer to the service manual for measurement procedures and proper service adjustments.

Use high impedance meter to measure 2ND anode voltage. Connect HV probe (lead) to 2ND anode: connect (-) to picture tube dag grounding device. Arcing 2ND lead anode to chassis or tuner may damage transistors. When discharging picture tube or 2ND lead anode, arc to picture tube mounting wire or picture tube dag only. HV supply failures can increase X-radiation. Service HV supply with set inoperative or limit operating time to minimum.

WARNING

Picture tube in this receiver employs integral implosion protection. Replace with tube of the same type number for continued safety. High-vacuum picture tube is dangerous to handle. Only qualified personnel should service.

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1. FEATURES

This monitor specifically provides the following features:

- Microprocessor-based design with digital control
- Non-volatile memory for 10 factory preset and 10 user-defined timing modes
- Built-in switching regulator power circuit, can be used with 100-260V AC, 50/60Hz universal power supply
- Manual degaussing
- Display rotation
- True color adjustment (red-green-blue)
- Full screen
- Low electro-magnetic radiation emission (for L/AL model)
- OSD (on-screen display) control function
- Green machine (power saving):

Operation mode (based on VESA standards)	Power consumption	Screen	Power LED	AUX LED	*Recovery time
ON	100%	normal	on	on	—
Standby	< 30W	No display	on	off	in 3 seconds
Suspend / OFF	< 5W	No display	on	off	in 10 seconds

* Pressing a key or moving the mouse returns the monitor to ON mode.

2. SPECIFICATIONS

PICTURE TUBE	flat-square, anti-static (for L/AL model) Phosphor P22, 0.28mm dot pitch
DISPLAY AREA	300mm (H) x 220mm (V) recommended
RESOLUTION	VGA: 640 x 480 / 640 x 400 / 640 x 350 SVGA: 800 x 600 8514/A: 1024 x 768 (interlaced) XGA: 1024 x 768 (non-interlaced) VESA: 1024 x 768 at 72Hz (V) 1280 x 1024 (non-interlaced)
POWER MANAGEMENT	ON mode: 100W Standby mode: <30W Suspend mode: <5W OFF mode: <5W
SYNCHRONIZATION (SCAN FREQUENCY)	Horizontal: 30KHz~66KHz Vertical: 50~90Hz
VIDEO-BANDWIDTH	100MHz
INPUT SIGNAL	Video: RGB analog, positive 0.7Vp-p/75Ω Sync: TTL separate, positive/negative
INPUT CONNECTOR	15-pin D-type connector
POWER REQUIREMENTS	Universal power supply: 100~260V AC, 50/60Hz, 100 Watts maximum consumption
GROSS WEIGHT	21kg

3. ENVIRONMENTAL REQUIREMENTS

Temperature

- **ENCLOSED CABINET:** 0°C ~ 40°C (operating)
-20°C ~ 60°C (storage)

Humidity

- **OPERATING:** 10 ~ 80%, non-condensing
- **STORAGE:** 10 ~ 90%, non-condensing

Altitude

- **OPERATING:** up to 10,000 ft.
- **STORAGE:** up to 30,000 ft.

4. SAFETY PRECAUTIONS

- **Power**

- Use the type of power indicated on the marking label.

- **Plugs**

- Do not remove any of the prongs of the monitor's three-pronged power plug.
- Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.

- **Power and extension cords**

- Use the proper power cord with correct attachment plug type. If the power source is 120 V AC, use a power cord that has UL and CSA approvals. If the power source is a 240 V AC supply, use the tandem (T blade) type attachment plug with ground conductor power cord that meets the respective European country's safety regulations, such as VDE for Germany.
- Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 10 amperes.
- Ensure that the total ampere ratings on all units plugged into the extension cord is not above the cord's rating.

- **Environment**

- Place the monitor on a flat and leveled surface.
- Place the monitor in a well-ventilated place.
- Keep the monitor away from:
 - overly hot, cold or humid places
 - places directly under sunlight
 - dusty surroundings
 - equipments that generate strong magnetic fields

5. INPUT SIGNAL TIMING

This monitor has been manufactured with 10 timing modes for different video resolutions. You can press **RELOAD** button to use the standard timing settings.

	mode 1	mode 2	mode 3	mode 4	mode 5
BANDWIDTH (KHz)	25.172	35.172	25.172	36.044	40.000
H FREQUENCY (KHz)	31.465	31.465	31.465	35.199	37.879
V FREQUENCY (Hz)	70.078	70.078	59.933	56.228	60.317
I/NI	NI	NI	NI	NI	NI
H FRAME BORDER (μ s)	0.318	0.318	0.318	0	0
H TOTAL SIZE (μ s)	31.781	31.781	31.781	28.410	26.400
H DISPLAY SIZE (μ s)	25.425	25.425	25.425	22.195	20.000
H REAR PORCH (μ s)	1.589	1.589	1.589	3.551	2.200
H SYNC WIDTH (μ s)	3.814	3.814	3.814	1.998	3.200
H SYNC POLARITY	+	-	-	-	+
V FRAME BORDER (ms)	0.191	0.222	0.254	0	0
V TOTAL SIZE (ms)	14.270	14.270	16.685	17.785	16.579
V DISPLAY SIZE (ms)	11.123	12.712	15.255	17.046	15.840
V REAR PORCH (ms)	1.716	0.890	0.795	0.625	0.607
V SYNC WIDTH (ms)	0.064	0.064	0.064	0.057	0.106
V SYNC POLARITY	-	+	-	-	+

*H: horizontal *V: vertical

(to be continued)

	mode 6	mode 7	mode 8	mode 9	mode 10
BANDWIDTH (KHz)	50.000	44.908	65.000	74.161	11.016
H FREQUENCY (KHz)	48.077	35.528	48.363	55.843	63.750
V FREQUENCY (Hz)	72.188	86.972	60.004	69.979	59.747
N/NI	NI	I	NI	NI	NI
H FRAME BORDER (μ s)	0	0	0	0	0
H TOTAL SIZE (μ s)	20.800	28.146	20.677	17.907	15.686
H DISPLAY SIZE (μ s)	16.000	22.802	15.754	13.808	11.620
H REAR PORCH (μ s)	1.280	1.158	2.462	1.294	1.997
H SYNC WIDTH (μ s)	2.400	3.919	2.092	2.373	1.489
H SYNC POLARITY	+	+	-	-	+
V FRAME BORDER (ms)	0	0	0	0	0
V TOTAL SIZE (ms)	13.853	11.498	16.666	14.290	16.737
V DISPLAY SIZE (ms)	12.480	10.808	15.880	13.663	16.062
V REAR PORCH (ms)	0.478	0.563	0.600	0.537	0.596
V SYNC WIDTH (ms)	0.125	0.113	0.124	0.072	0.047
V SYNC POLARITY	+	+	-	-	+

*H: horizontal *V: vertical

(continued)

This monitor also provides 10 blank storage areas for the control settings of each timing mode. If you are not satisfied with the standard settings for a certain mode, you can define your own settings following this procedure:

1. Use **SELECT** ►/◄ to select the option you want to adjust.
2. Use **ADJUST** +/- to adjust the value of that option.
3. Press **STATUS** to save the settings.

If you change the video mode while the OSD is activated, you may have to press the STATUS button before you can use the control panel buttons.

6. THEORY OF OPERATION

Switch Mode Power Supply

The current mode control IC is U902. To avoid the screen being interfered, its circuit applies SYNC trigger.

- Pin 6 of U902 directly drives MOSFET Q901 and oscillates T901 transformer, so that energy will be transferred from the primary voltage to the secondary voltage. The secondary voltage is rectified by D912, D913, D914 and D916, to obtain output voltage by way of the π filter circuit.
- Pin 3 of U902 offers over current protection, which detects the source current of T901 via R919. Via pin 2 of U902, the feedback of U903 rectifies the output voltage from pin 3 of R919.
- TH801 is a positive temperature coefficient resistance. It performs degaussing function when the power is on.
- The power saving circuit consists of C927, Q902, Q903, Q908, R928, R929, R942, R951, and U908. If the vertical SYNC signal doesn't appear, the voltage on pin 1 of U902 will shut down, and the SMPS (Switch Mode Power Supply) will be OFF.

See figure SD640012120021 - 1 of 3 (page 35).

Input Circuit

From the SYNC signal of U101, we know the shaping and polarity status. We also get positive horizontal SYNC output from pin 6, and positive vertical SYNC output from pin 8.

In order to make sure that the horizontal SYNC output and vertical SYNC output have the same pulse width, we use U102.

See figure SD640012120021 - 3 of 3 (page 35).

Horizontal Process Circuit

The horizontal process IC is U301.

- Pin 1 of U301 is the horizontal SYNC input point.
- Pin 6 of U301 provides the function of X-ray protection.
- AFC pulse comes from FBT pin 4. After being rectified by U303, the pulse goes through pin 3 of U301.
- Pin 9 and pin 10 control the duty cycle of pin 8.
- U302 applies F-V voltage to pin 12 of U301.
- U304 controls the horizontal free running.

See figure SD640012120021 - 3 of 3 (page 35).

Vertical Process Circuit

The vertical process IC is U201.

- Pin 5 is the input point of the vertical SYNC.
- Pin 13 is the output point of the blanking pulse.
- The vertical size is controlled by the current which passes through pin 7, the vertical free running is controlled by VR202, D203, R221, and C207.
- The output point of vertical pulse is U201 pin 1.

See figure SD640012120021 - 3 of 3 (page 35).

Horizontal Driver Circuit

- The output point of the horizontal driver pulse is pin 8 of U305.
- T501 increases the horizontal driver pulse current to drive Q504.
- B+ parabolic wave flows into L401 to modify a pinchushion.
- C506, C507, C508 are controlled by Q505 and Q506 to get the horizontal linearity.
- L501 is a variable horizontal linearity coil.

See figure SD640012120021 - 3 of 3 (page 35).

High Voltage Driver Circuit

- This is a diode modulation circuit. The horizontal deflection and the high voltage are integrated together.
- The tuning capacitors C512 and C514, which are controlled by RL501, are used to keep the high voltage.
- FBT generates 24KV, -170V and the feedback signal.

See figure SD640012120021 - 3 of 3 (page 35).

Step-down B+ Circuit

- U801 is adopted to be a monostable circuit, triggered by pin 4 of FBT. The square wave comes out from pin 3 of U801.
- C517, D802, L802, and Q810 generate the step-down B+.

See figure SD640012120021 - 3 of 3 (page 35).

Double Focus Circuit

- U402 generates the vertical parabolic wave.
- L603, C611 and C613 generate the horizontal parabolic wave.
- The horizontal and vertical parabolic waves are integrated by T601 and then sent to pin 11 of FBT.

See figure SD640012120021 - 3 of 3 (page 35).

OSD Microprocessor Circuit

The 84C882 is a 8-bit microprocessor. The PCF8582 is the EPROM.

For 84C882,

- The FB/GO/BO/RO signal comes from pin 1, 2, 3, 4.
- The vertical SYNC goes through pin 5.
- The horizontal SYNC goes through pin 6 and pin 11.
- The PWM signal comes from pin 9, 24, 25, 26, 27, 28, 29, 37, and 38.
- Pin 33 provides the RESET function.
- The frequency detection signals come from pin 13, 14, 15, 16, 17, 18.
- When pin 19 is under the "active low" mode, it provides the MUTE function.
- When pin 20 is under the "active high" mode, it provides the DEGAUSSING function.

See figure SD640012120021 - 2 of 3 (page 35).

Video Amplifier Circuit

LM1207 is a 85MHz pre-amplifier IC.

- The R/G/B signal goes through pin 4, 6, 9.
- The R/G/B signal comes from pin 26, 20, 17.
- The R/G/B gain is controlled by pin 28, 18, 15.
- The R/G/B bias is controlled by pin 27, 19, 16.
- The negative clamp pulse comes from pin 14.
- The contrast DC level is controlled by pin 12.
- The R/G/B video output cascade circuit consists of Q701, Q702, D701, L701, R711, R712, R705, R706, and C704.
- The SEPP (Single End Push Pull) circuit consists of Q507 and Q504, which is used to increase the video bandwidth for the R/G/B video output.

See figure SD640012120023 (page 35).

7. CONTROLS AND ADJUSTMENTS

Turn all of the variable resistors to the mid-position. Warm up for at least twenty minutes. If the voltage (test point: TP2) under timing 56KHz is lower than the voltage under 64KHz, set the timing to 31KHz; otherwise, set to 64KHz.

ROUGH TUNING

1. B^+ Adjustment

<a> 150V DC

input timing:	64KHz
input pattern:	full white
test point:	R934
test value:	150~150.5V DC
ADJ VR:	VR901

 66V DC

input timing:	31KHz
input pattern:	crosshatch
test point:	TP2
test value:	$66 \pm 1V$ DC
ADJ VR:	VR801

<c> 4.3V DC

input timing:	31KHz
input pattern:	crosshatch
test point:	TP1
test value:	4.3~4.35V DC
ADJ VR:	VR301

2. G2 Adjustment

input timing: 56KHz
 input pattern: crosshatch
 test point: brightness = maximum (external control panel)
 contrast = minimum (external control panel)
 test result: the image appears
 ADJ VR: FBT G2

3. Horizontal Free-running Adjustment

input timing: 48KHz
 input pattern: full white
 test point: TP3 (GND)
 test result: the image is stable
 ADJ VR: VR302

4. Vertical Size Adjustment

input timing: 8514/A (interlaced)
 input pattern: crosshatch
 test point: **vertical** size and + buttons on the external control panel (max.)
 test result: full-scan
 ADJ VR: VR201

5. Horizontal Width Full-scan Adjustment

input timing: 64KHz
 input pattern: crosshatch
 test point: **horizontal width** and + buttons on the external control panel
 (max.)
 test result: full-scan
 ADJ VR: VR1

6. Focus Adjustment

input timing: 64KHz
 input pattern: crosshatch
 test result: the horizontal and vertical lines are sharp
 ADJ VR: FBT horizontal/vertical focus VRs

FINE TUNING

1. Horizontal Width Adjustment

input timing: all timings
 input pattern: crosshatch
 test point: $300 \pm 4\text{mm}$
 ADJ SW: **horizontal width** and +/- buttons

2. Vertical Size Adjustment

input timing: all timings
 input pattern: crosshatch
 test point: $220 \pm 4\text{mm}$
 ADJ SW: **vertical size** and +/- buttons

3. Horizontal Phase Adjustment

input timing: all timings
 input pattern: crosshatch
 test point: the image is on the center of the raster ($\pm 3\text{mm}$)
 ADJ SW: **horizontal phase** and +/- buttons

4. Vertical Centering Adjustment

input timing: all timings
 input pattern: crosshatch
 test point: the image is on the center of the raster ($\pm 3\text{mm}$)
 ADJ SW: **vertical centering** and +/- buttons

5. Symmetry Adjustment

input timing: all timings
 input pattern: crosshatch
 test point:



ADJ VR: VR401, VR402

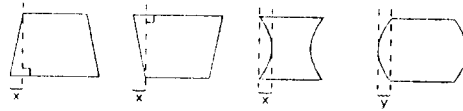
6. Geometric Adjustment

input timing: all timings

input pattern: crosshatch

test point: pincushion/barrel, trapezoid and +/- buttons

test value: $x \leq 0.2\text{mm}$, $y \leq 0.1\text{mm}$



7. Tile Adjustment

input timing: all timings

input pattern: crosshatch

test value: $\leq 2.5\text{mm}$

ADJ VR: rotate VR

8. Dark Balance Adjustment

input timing: 31KHz

input pattern: raster

test point: brightness = maximum (external control panel)
contrast = maximum (external control panel)
VR703, VR704, VR705 = maximum

test value: VR703 - $x = 281 \pm 25$
 $y = 311 \pm 25$
VR704 - $y = 311 \pm 25$
VR705 - $x = 281 \pm 25$
 $Y \leq 1.0\text{F.L.}$

9. White Balance Adjustment

input timing: 31KHz
input pattern: circle
test point: **brightness/contrast** (external control panel)
R/G/B gain
test value: 1. adjust brightness/contrast from 5F.L. to 20F.L.
2. B gain - medium
R gain - $x = 281 \pm 25$
G gain - $y = 311 \pm 25$
3. brightness = maximum
contrast = maximum
VR701 - $Y \geq 55\text{F.L.}$

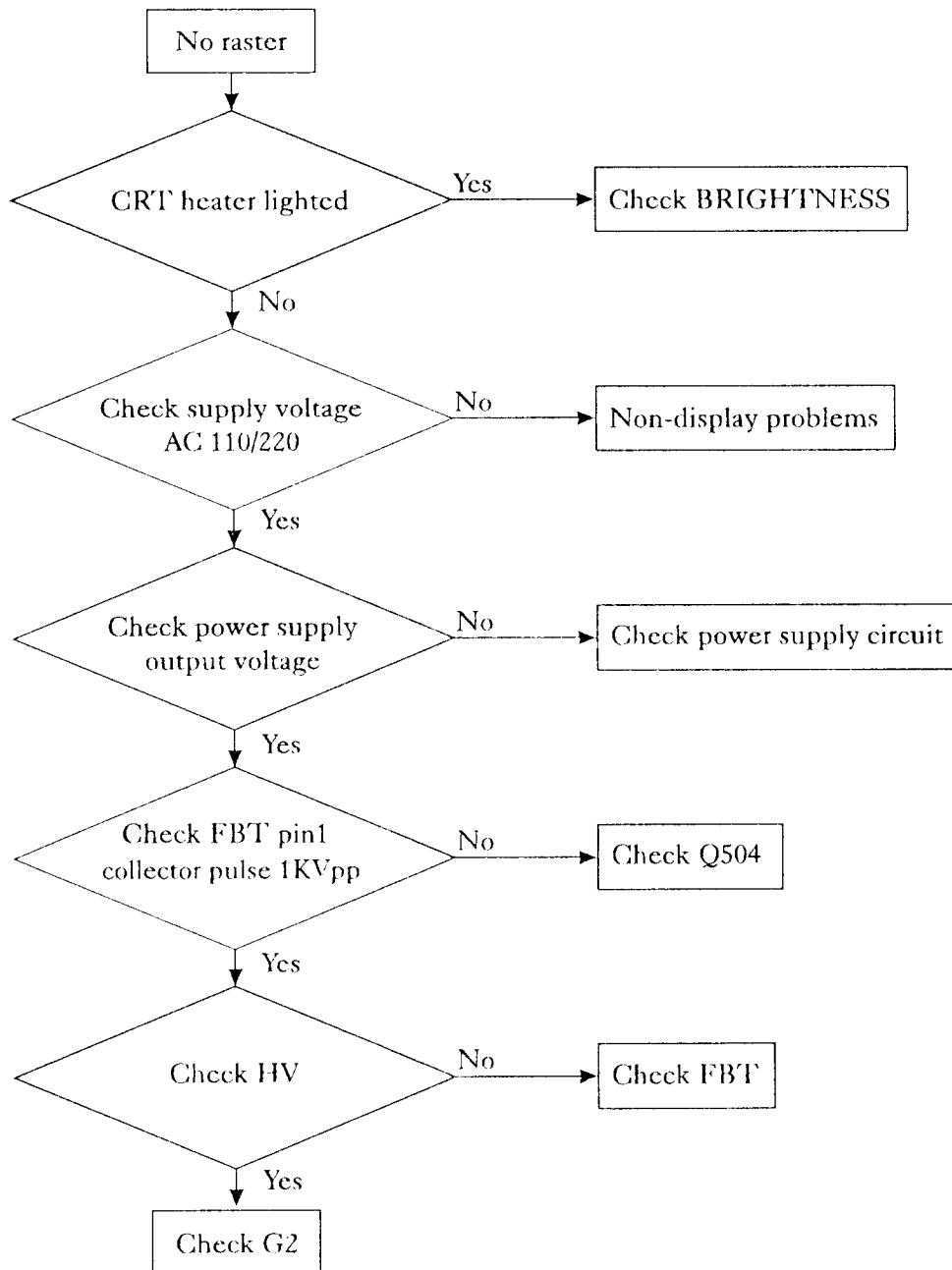
10. Focus Adjustment

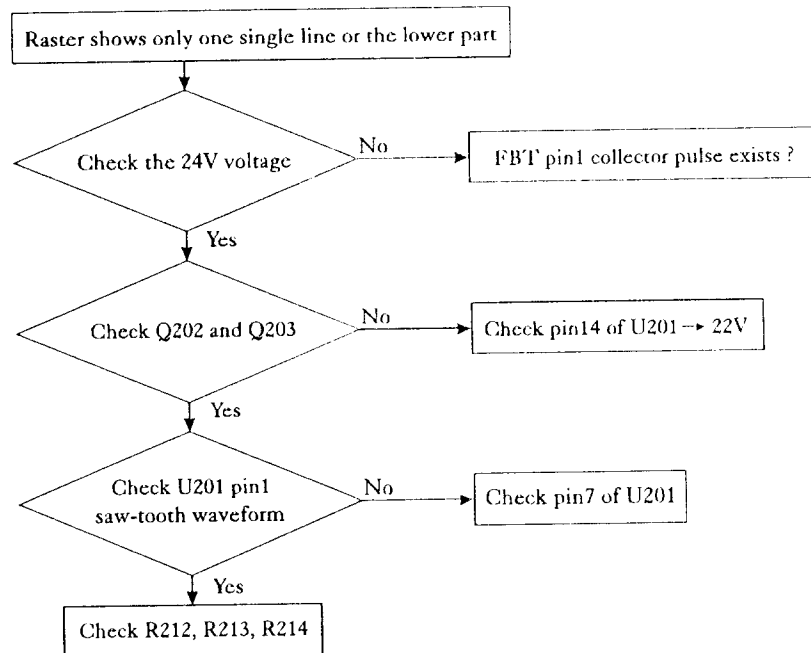
input timing: 64KHz
input pattern: test mode (reversed) at 15 F.L.
test value: the image is sharp
ADJ VR: FBT horizontal/vertical focus VRs

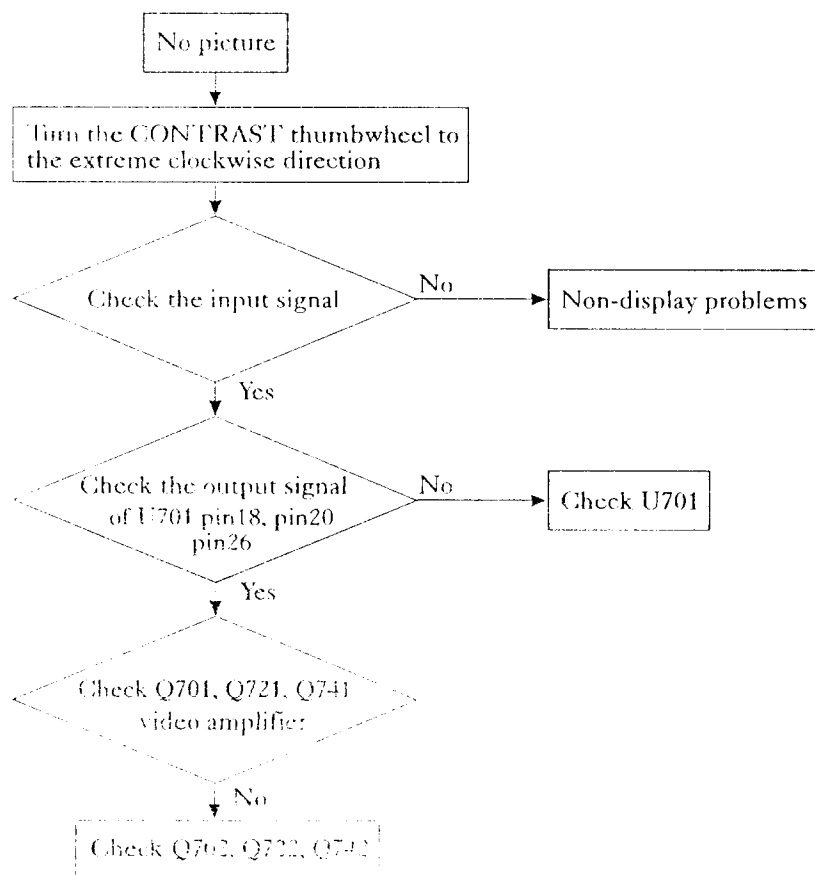
11. Linearity Check

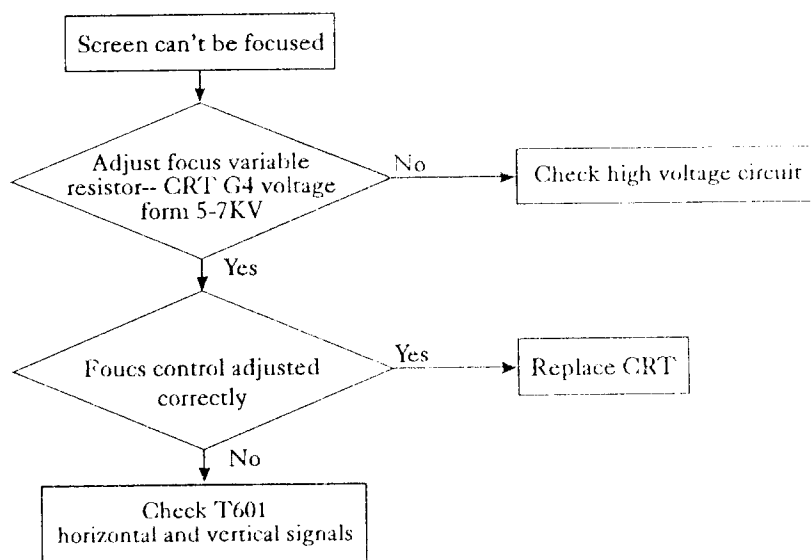
input timing: all timings
input pattern: crosshatch
formula: $(X_{\text{max.}} - X_{\text{min.}}) / (X_{\text{max.}} + X_{\text{min.}}) \times 100\%$
test value: $\leq 7\%$ for all lattices
 $\leq 5\%$ for all adjacent lattices

8. TROUBLESHOOTING

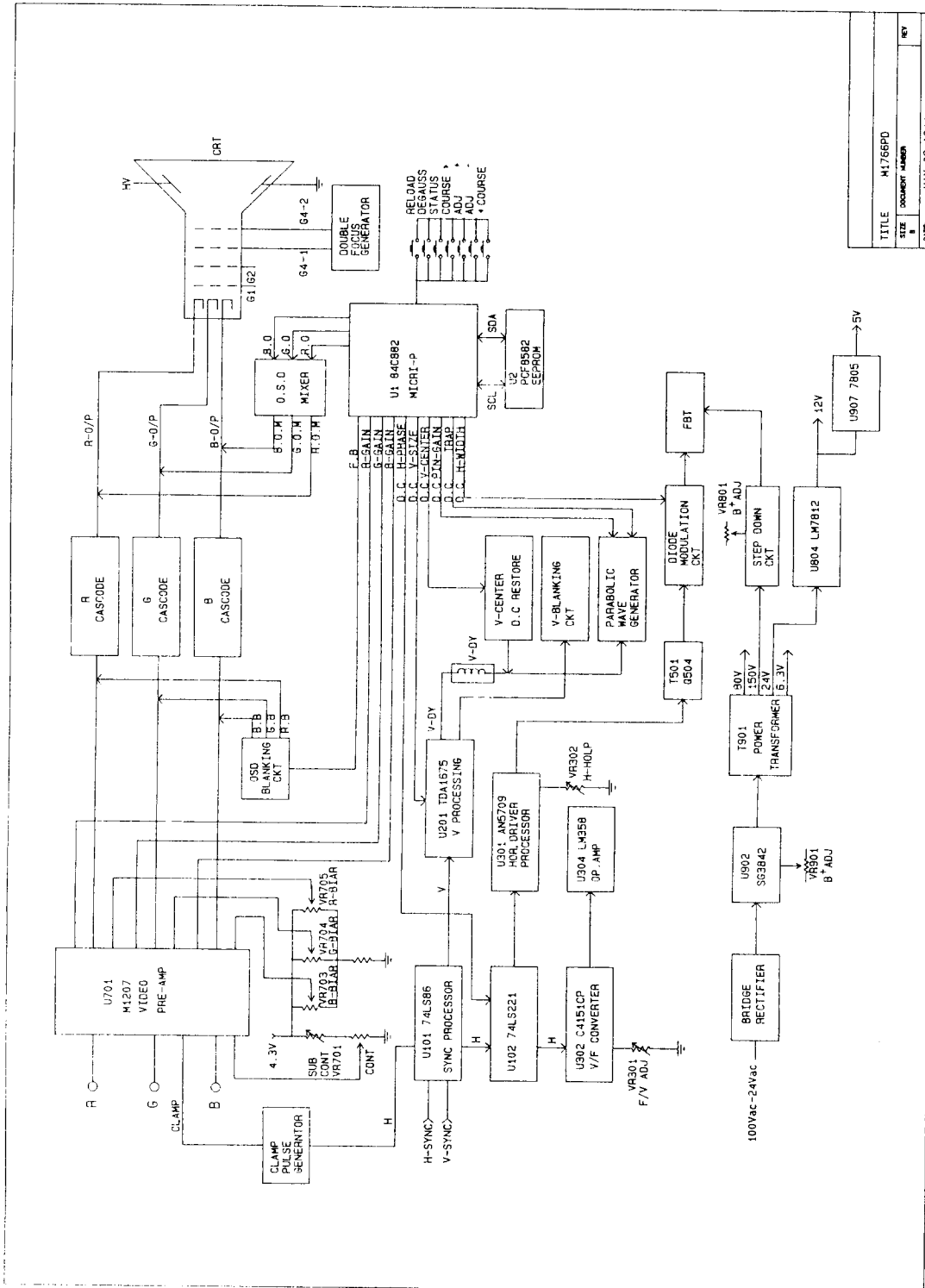








9. BLOCK DIAGRAM



10. PARTS LIST

MAIN BOARD

Name	Description	Part Number
CABLE ASSY	M1766PD	642200050021
WIRE ASSY	SW+SOCKET+CORE, L1564PDM	642200010135
COIL	DEGAUSSING, 17"	631300050004
COIL	ROTATE, 600HM	631300050501
CRT	17", CLR, M41KXH100X01	643500010101

RES

Location	Description	Part Number
R515	150, 5%, 1W, MOF, F, MINI	631101130151
R009, 012	5.1K, 5%, 1W, MOF, F, MINI	631101130152
R931	100, 5%, 2W, MOF, F, MINI	631101140101
R204, 215	1.2, 5%, 2W, MOF, F, MINI	631101140129
R649	22K, 5%, 1W, MOF, F, MINI	631101130223
R943	3.9K, 5%, 2W, MOF, F, MINI	631101140393
R637-639	390K, 5%, 1W, MOF, F, MINI	631101130394
R935	2.4, 5%, 2W, MOF, F, MINI	631101140249
R933, 948	39, 5%, 3W, MOF, F, MINI	631101150390
R905, 906	39K, 5%, 3W, MOF, F, MINI	631101150393
R904	470K, 5%, 1W, MOF, F, MINI	631101130474
R919	.18, 5%, 3W, WW, AX	631103020188
R503, 553	100, 5%, 5W, CMNT, V	631121010101
R907	22K, 5%, 5W, CMNT, V	631121010223
R918	4.7K, 5%, 5W, CMNT, V	631121010472
R914	16.2K, 1%, 1/4W, MF, AX	631100011622
R216	169K, 1%, 1/4W, MF, AX	631100011693
R939	133K, 1%, 1/4W, MF, AX	631100011333
R940	2K, 1%, 1/4W, MF, AX	631100012001
R221, 327	22.1K, 1%, 1/4W, MF, AX	631100012212

Location	Description	Part Number
R212	2.49K, 1%, 1/4W, MF, AX	631100012491
R202	25.5K, 1%, 1/4W, MF, AX	631100012552
R356	45.3K, 1%, 1/4W, MF, AX	631100014532
R005	1.0K, 5%, 1/4W, CF, AX	631100210102
R220	10K, 5%, 1/4W, CF, AX	631100210103
R407	120, 5%, 1/4W, CF, AX	631100210121
R127	18K, 5%, 1/4W, CF, AX	631100210183
R450	1.8, 5%, 1/4W, CF, AX	631100210189
R219	56K, 5%, 1/4W, CF, AX	631100210563
R903	910K, 5%, 1/4W, CF, AX	631100210914
R930, 932, 934	10, 5%, 1/2W, CF, AX	631100220100
R223	2K, 5%, 1/2W, CF, AX	631100220202
R209	75, 5%, 1/2W, CF, AX	631100220750
R818	120K, 5%, 1/2W, CF, AX	631100220124
R502	150, 5%, 1/2W, CF, AX	631100220151
R210	2.2, 5%, 1/2W, CF, AX	631100220229
R211	270, 5%, 1/2W, CF, AX	631100220271
R428	680, 5%, 1/2W, CF, AX	631100220681
R901	680K, 5%, 1/2W, CF, AX	631100220684
R424, 916	47, 5%, 1/6W, CF, AX	631100230470
R101, 418, 517, 910	100, 5%, 1/6W, CF, AX	631100230101
R004, 018, 020, 023, 027, 031, 035, 041, R044, 048, 052, 056, 080, 090, 120, 122 R207, 305, 332, 338, 410, 411, 414, 415 R420, 425, 516, 529, 539, 560, 648, 806, R811, 812, 814~816, 820, 915, 922, 936, R951	1K, 5%, 1/6W, CF, AX	631100230102
R002, 016, 026, 038, 203, 225, 240, 316, R316~318, 320, 321, 325, 326, 337, 404, R405, 419, 427, 430, 431, 439, 511, 513, R518, 540, 541, 548~550, 635, 643, 801, R808, 809, 813, 912, 913, 917, 921, 946	10K, 5%, 1/6W, CF, AX	631100230103
R126, 323, 339, 412, 413, 426, 928, 929	100K, 5%, 1/6W, CF, AX	631100230104
R217	1M, 5%, 1/6W, CF, AX	631100230105
R547	110, 5%, 1/6W, CF, AX	631100230111
R315	11K, 5%, 1/6W, CF, AX	631100230113
R213	120, 5%, 1/6W, CF, AX	631100230121
R214	1.1K, 5%, 1/6W, CF, AX	631100230112

Location	Description	Part Number
R523	120K, 5%, 1/6W, CF, AX	631100230124
R322, 527, 803	13K, 5%, 1/6W, CF, AX	631100230133
R651	15, 5%, 1/6W, CF, AX	631100230150
R655, 925	150, 5%, 1/6W, CF, AX	631100230151
R232, 543, 546	1.5K, 5%, 1/6W, CF, AX	631100230152
R025, 030, 403, 433	15K, 5%, 1/6W, CF, AX	631100230153
R230, 324	150K, 5%, 1/6W, CF, AX	631100230154
R001	180K, 5%, 1/6W, CF, AX	631100230184
R003, 022, 028, 029, 032, 033, 036, 042, R045, 046, 049, 050, 053, 054, 057, 058, R060, 301, 304, 329, 601, 602, 621, 805, R807, 821	2K, 5%, 1/6W, CF, AX	631100230202
R037, 310, 501, 530, 608, 641, 830	20K, 5%, 1/6W, CF, AX	631100230203
R308	22, 5%, 1/6W, CF, AX	631100230220
R115, 123	2.2K, 5%, 1/6W, CF, AX	631100230222
R070, 075, 076, 640, 924	22K, 5%, 1/6W, CF, AX	631100230223
R817	2.2, 5%, 1/6W, CF, AX	631100230229
R522	2.2M, 5%, 1/6W, CF, AX	631100230225
R047, 313, 328, 647	2.4K, 5%, 1/6W, CF, AX	631100230242
R909	270, 5%, 1/6W, CF, AX	631100230271
R082	390, 5%, 1/6W, CF, AX	631100230391
R073, 314, 646	2.7K, 5%, 1/6W, CF, AX	631100230272
R307	27K, 5%, 1/6W, CF, AX	631100230273
R409, 524	30K, 5%, 1/6W, CF, AX	631100230303
R121, 124, 455, 542, 902	330, 5%, 1/6W, CF, AX	631100230331
R128, 129, 528, 810	3.3K, 5%, 1/6W, CF, AX	631100230332
R208, 333, 334	33K, 5%, 1/6W, CF, AX	631100230333
R456	3.9K, 5%, 1/6W, CF, AX	631100230392
R408, 416, 422	39K, 5%, 1/6W, CF, AX	631100230393
R024	4.3K, 5%, 1/6W, CF, AX	631100230432
R302, 525, 606, 942	470, 5%, 1/6W, CF, AX	631100230471
R040, 079, 201, 205, 303, 309, 330, 406, R435, 452, 531, 612, 644, 822, 920	4.7K, 5%, 1/6W, CF, AX	631100230472
R319, 512, 514	47K, 5%, 1/6W, CF, AX	631100230473
R130	510, 5%, 1/6W, CF, AX	631100230511
R008, 011, 402, 432, 436, 570	5.1K, 5%, 1/6W, CF, AX	631100230512
R306	51K, 5%, 1/6W, CF, AX	631100230513

Location	Description	Part Number
R510	56, 5%, 1/6W, CF, AX	631100230560
R421	560, 5%, 1/6W, CF, AX	631100230561
R081, 083, 224, 532, 642, 823	5.6K, 5%, 1/6W, CF, AX	631100230562
R929, 937	56K, 5%, 1/6W, CF, AX	631100230563
R911	62, 5%, 1/6W, CF, AX	631100230620
R311	620, 5%, 1/6W, CF, AX	631100230621
R645	6.2K, 5%, 1/6W, CF, AX	631100230622
R312, 526, 804	6.8K, 5%, 1/6W, CF, AX	631100230682
R206, 603	75, 5%, 1/6W, CF, AX	631100230750
R331	750, 5%, 1/6W, CF, AX	631100230751
R423, 434, 802	7.5K, 5%, 1/6W, CF, AX	631100230752
R218	75K, 5%, 1/6W, CF, AX	631100230753
R222, 545, 609	8.2K, 5%, 1/6W, CF, AX	631100230822
R945	82K, 5%, 1/6W, CF, AX	631100230823
R401, 544	9.1K, 5%, 1/6W, CF, AX	631100230912

VR

Location	Description	Part Number
VR302	500, 20%, .1W, B, V, 6MM, CARB	631120070511
VR201	100K, 20%, .1W, B, V, 6MM, CARB	631120071041
VR802	250K, 20%, .1W, B, V, 6MM, CARB	631120072541
VR1, 301	5000, 20%, .1W, B, V, 6MM, CARB	631120075021
VR401, 402	50K, 20%, .1W, B, V, 6MM, CARB	631120075031
VR801	5000, 20%, .1W, B, H, 6MM, CARB	631120145021
VR501	100K, 20%, .1W, B, H, 6MM, CARB	631120141041
VR901	500, 20%, .1W, B, H, 6MM, CARB	631120145011

NTCR

Location	Description	Part Number
TH901	50HM, 15%, DISK, D8	631120510509

PTCR

Location	Description	Part Number
TH902	140HM, 270V, 2P	631120551140

CAP

Location	Description	Part Number
C512	2200P, 5 %, 2KV, PPS	631201853222
C508	.68U, 5 %, 400V, MPP, RA, F, 20.0	631200963684
C507	.18U, 5 %, 400V, MPP, RA, F, 10.0	631200963184
C506	.39U, 5 %, 400V, MPP, RA, F, 20.0	631200963394
C511	5100P, 5 %, 2.5KV, PPS, RA, F	631201933512
C805	.047U, 5 %, 250V, MEF	631202123473
C515	5600P, 5 %, 400V, PP	631202023562
C620	.22U, 5 %, 100V, MEF, F	631202153224
C550, 912	.1U, 5 %, 250V, MEF, F	631202163104
C519	10.0U, 20 %, 200V, ALU, 85°C	631202615106
C523	10.0U, 20 %, 50V, ALU, 85°C	631202565106
C305	330U, 20 %, 25V, ALU, 85°C	631202545337
C935	47.0U, 20 %, 100V, ALU, 85°C	631202595476
C934	100U, 20 %, 100V, ALU, 85°C	631202595107
C931	100U, 20 %, 200V, ALU, 85°C	631202615107
C927	100U, 20 %, 25V, ALU, 85°C	631202545107
C937, 938	1000U, 20 %, 35V, ALU, 85°C	631202555108
C201, 410	1000U, 20 %, 25V, ALU, 85°C	631202545108
C413	10U, 20 %, 50V, ALU, 85°C, NP	631202561106
C517, 932	47.0U, 20 %, 200V, ALU, 85°C	631202615476
C913	220U, 20 %, 400V, ALU, 85°C	631202785227
C926	.1U, 50V, 5 %, MEF, RA, F	631202203104
C611	4700P, 5 %, 50V, PE, F	631202243472
C5	1000P, 10 %, 50V, HI-K, Y5P	631204374102
C615	.01U, +80-20 %, 2KV, HI-K, Z5V	631204077103
C915	4700P, 20 %, 1KV, HI-K, Z5U	631204155472
C901	.47U, 20 %, 250VAC, X-CAP	631209010474
C907	.22U, 20 %, 250VAC, X2-CAP	631209010224
C902, 903, 928	4700P, 20 %, 250VAC, Z5U, SFTY, Y-CAP	631209215472
C352	100P, 5 %, 50V, CD, NPO	631200013101
C203, 910	330P, 20 %, 50V, HI-K, Y5P	631204375331
C303	2.2U, 10 %, 25V, TT, F	631201144225
C416, 417, 918, 919, 944	.1U, 20 %, 50V, SEMI, Y5V, F	631201675104
C916	.022V, 5 %, 50V, PE, F	631202243223
C117, 204, 205, 501, 502, 802	.1U, 5 %, 50V, MEF, RA, F	631202203104

Location	Description	Part Number
C212, 315, 618	.22U, 5%, 50V, MEF, RA, F	631202200224
C004, 202	.47U, 5%, 50V, MEF, RA, F	631202203474
C019	10P, 5%, 50V, CD, NPO	631200013100
C113, 114, 302, 308, 311, 350	1000P, 5%, 50V, PE, F	631202243102
C003, 301, 310, 353, 525, 803, 804, C920	.01U, 5%, 50V, PE, F	631202243103
C030	2700P, 5%, 50V, PE, F	631202243272
C307	3300P, 5%, 50V, PE, F	631202243332
C354, 923, 945	4700P, 5%, 50V, PE, F	631202243472
C304, 613	5600P, 5%, 50V, PE, F	631202243562
C116	8200P, 5%, 50V, PE, F	631202243822
C943	1000U, 20%, 10V, ALU, 85°C	631202525108
C214	2200U, 20%, 16V, ALU, 85°C	631202535228
C306, 408, 917	100U, 20%, 25V, ALU, 85°C	631202545107
C207	220U, 20%, 25V, ALU, 85°C	631202545227
C939	100U, 20%, 35V, ALU, 85°C	631202555107
C911	22.0U, 20%, 35V, ALU, 85°C, F	631202695226
C211, 436	10U, 20%, 50V, ALU, 85°C, ND	631202560106
C112, 412, 521	1.0U, 20%, 50V, ALU, 85°C	631202565105
C904	.22U, 20%, 50V, ALU, 85°C	631202565224
C520	2.2U, 20%, 50V, ALU, 85°C	631202565225
C006-014, 016, 018, 020, 109, 208, 220, C309, 312, 316, 404, 415, 418, 504, 801, C830, 921	10.0U, 20%, 50V, ALU, 85°C	631202565106
C948	330U, 20%, 10V, ALU, 85°C	631202525337
C206, 518, 526, 810	.47U, 20%, 50V, ALU, 85°C	631202565474
C111, 213, 401, 403, 405, 406, 414 C419, 420, 601, 603, 608, 616, 909, C914, 940, 941, 946	47.0U, 20%, 50V, ALU, 85°C	631202565476
C317	10.0U, 20%, 100V, ALU, 85°C	631202595106
C001, 015, 031, 107, 110, 115, 119, C209, 210, 313, 351, 409, 451, 505, C524, 619	.01U, +80-20%, 50V, HI-K, Z5V	631204017103
C516	560P, 20%, 1KV, HI-K, Z5U	631204155561
C925	470P, 20%, 1KV, HI-K, Z5U	631204155471
C924	470P, 10%, 50V, HI-K, Y5P	631204374471
C908	4700P, 20%, 1KV, HI-K, Z5U	631204155472
C024, 122, 522, 922	1000P, 10%, 50V, HI-K, Y5P	631204374102

Location	Description	Part Number
C829	220P, 20%, 50V, HI-K, Y5P	631204375221
C630	100P, 20%, 500V, HI-K, Y5P	631204415101
C930, 933, 936, 942	330P, 20%, 1KV, HI-K, Y5P	631204425331

CORE

Location	Description	Part Number
L803	2-1/2T, K	631300110201
L904	BEAD, 650HM/100MHZ, RH-03506ST-B	631300110103

COIL

Location	Description	Part Number
L401	CHOKE, 200UH, 16*18	631300020030
L901, 902	CHOKE, DIFFERENTIAL, 125UH	631300020011
L802	CHOKE, 3mH, D.45, 227.5T	631300020021
L905-909	CHOKE, 60UH, 10%, 8*10	631300020023
L601	CHOKE, 15mH, 10*15	631360110009
L501	LINEARITY, 10.5/5.9UH, M1766PD	631300030010

XTAL

Location	Description	Part Number
X1	10MHZ, 50PPM, HC-49/U	631411000401

XSFORMER

Location	Description	Part Number
L903	LINE FILTER, 15MH	631360110009
T501	HOR. DRIVE, EE-19, M1564P	631360030003
T901	PWR, EE42/15, TUV, L1766PD	631360070015
T601	FOCUS CHOKE, PWR, UU10.5	631360071001

FUSE

Location	Description	Part Number
F901	250V/3.15A, HI-BREAKING	633500010003

DIODE

Location	Description	Part Number
D504, 518	BYM26C, VRRM600V	632001010027
D916	HER302, VRRM100V, DO-201AD	632010030201
D502, 503, 516, 517	BYM36C, VRRM600V, 3A, SOD-64	632010003603
D914	HER303, VRRM200V, 3A, DO-201AD	632010030301
D912, 913	HER206, VRRM600V, DO-15	632010020601
D202	1N4002, ID1A, VRRM100V, DO41	632001014001
D304, 520, 525, 526	UF4004, VRRM100V	632001014002
D509	UF4003, VRRM200V	632001014003
D001, 010~013, 110, 111, 201, 204, 205, 1N4148 D302, 303, 305, 402~404, 510, 512, 513, D515, 519, 530, 604, 803, 906, 911		632001014148
D301, 514	HZ5C2, ZENER, 5V, 5%	632002010005
D801	HZ11C2, ZENER	632002010011
D203	HZ3B2, ZENER, 3V, .1V, 0.5W	632002010032
D401	HZ7C2, ZENER	632002010072
D902	ZENER, 1N4733, 1W	632002010085
D501, 506, 508	HZ12A2, ZENER, 12.2V, .2V, 0.5W	632002010122
D907, 909	HZ15-3, ZENER	632002010153
D511, 904	HZ20-2, ZENER, 20V, .4V, 0.5W	632002010202
D802	BYV36A, VRRM200V, AX, SOD-57	632010003601
D905	BT169D, VDRM/VRRM400V, TO-92	632010016901
D602, 603	UF4007, VRRM1000V, DO-41	632010400701
D903, 908	BA159, VRRM1000V, DO-41	632010015901
D917~920	RL207, VRRM1000V, DO-15	632010020701
D905	1N4936, VRRM400V, DO-41	632011493601

TRANS

Location	Description	Part Number
Q905	IRF510, MOSFET, N-CHNL, TO-220	632030051001
Q504	BU2520DX, NPN, TOP3D	632030252002
Q406, 529, 611	2SD669AC, NPN	632031010669
Q501	2SK357, MOSFET, N-CHNL, TO220AB	632032010357
Q505, 506	2SK1221, MOSFET, N-CHNL, TO220AB	632032011221

Q810	IRF9620, P-MOSFET, TO-220	632010962001
Q901	2SK1507-01, MOSFET, TO-220F	632032150701
Q608	2SC3675, NPN, TO-220AB	632032367501
Q510	BF423, PNP, 830MW	632031010423
Q007~009, 011~014, 203, 405, 517, Q603, 805, 809	2SA733Q, PNP	632031010733
Q001~004, 006, 010, 015, 105, 107, Q108, 201, 202, 204, 205, 301, Q401~404, 407, 420, 421, 509, Q511~513, 516, 521, 525, 530~532, Q601, 602, 609, 612, 617, 618, 804, Q806~808, 811, 812, 902, 903, 906, 908	2SC945Q, NPN	632031010945
Q904	2SC1213AC, NPN, TO-92	632031011213
Q620	2SA1145, PNP, TO-92MOD	632032114501
Q016, 017, 619, 907	2SC2705, NPN, TO-92MOD	632032270501

OPTOCOUPLER

Location	Description	Part Number
U903, 908	4N35, 6P	632050043501

IC

Location	Description	Part Number
U101	74LS86A, QUAD, 2I/P XOR GATES	632100090086
U102	74LS221N, 16P	632100090221
U904	7812, VOLT REGULATOR, TO-220, 3P	632200110080
U907	7805, VOLT REGULATOR, TO-220, 3P	632200110082
U304, 402	DUAL OP/AMP	632200010358
U303	LM393, COMPARTOR	632200010393
U302	XR-4151CP, V/F CONVERTER, 8P	632230415101
U801	NE555, TIMER, 8P	632200310555
U902	3842, CURRENT-MODE PWM CTRLR	632200313842
U201	TDA1675A, VERTICAL PROCESSOR, 15P	632200311675
U301	AN5790N, HORIZONTAL, PROCESSOR	632200315790
U401	UPC146HA, ATTENUATOR, 9P	632230140601
U001	PCE84C882, MICRO CTRLR, 42P	632418488201
U802, 906	TL431CLP(I), VOLT REGULAT, TO92, 3P	632210043101

CON

Location	Description	Part Number
CN902	HDR, MA, 2P*1, ST, TIN, 7.5MM	633100110002
J501	HDR, MA, 4P*1, ST, TIN, PIN2.36MM	633100110024
J201	HDR, MA, 2P*1, 2MM, ST	633100110031
J1	HDR, MA, 3P*1, 2MM, ST	633100110032
CN602, 904	HDR, SHROUDED, MA, 2P*1, ST, TIN	633100110202
J502, 601	HDR, SHROUDED, MA, 3P*1, ST, TIN	633100110203
J102	HDR, SHROUDED, MA, 4P*1, ST, TIN	633100110204
CN901	WFR, MA, 3P*1, ST	633100110303

OTHERS

Name	Description	Part Number
FBT	CT-8221, L1766PD(A)	631360010042
IC SOCKET	8P, 2.54, TIN, DIP	633100650801
F/W ASSY (U002)	24C02, 1766PD	648112120001
LED	RECT, GRN, 2*5, .1	633400010001
LED	RECT, YEL, 2*5, .1	633400010004
FUSE HOLDER	5*20MM, FC-04-01	633500020001
RELAY (RL501, 901)	OMIT-SS-112LM	633710010005
HEATSINK	VIDEO, M1420 COMM, FOR 7812 IRF9620	634312000002
HEATSINK	20*14*45H, M1566PD, FOR D669	634312100004
HEATSINK	VERTICAL O/P, M1564P, FOR TDA1675, K1507	634312100002
HEATSINK	HORIZONTAL, M1766PD	634312120001
WIRE (TP1)	1007, #24, BLU, 150MM, 7/7	633200012426
WIRE (TP3)	1007, #24, YEL, 150MM, 7/7	633200012429
WIRE ASSY	KR/DA, 2P, 250MM	642200010082
WIRE ASSY	KR/DA, 3P, 320MM	642200010083
WIRE ASSY	RO/GO/BO/FB/GND, KR/DA, 5P, 370MM	642200010085
WIRE ASSY	H, G1, 12, A, GND, CLANP, GND 7P, 1007, #24, 1766PD	642200010136
WIRE ASSY	1007, #24, 2P-SCN, 270MM, 80V	642200010095
WIRE ASSY	1007, #24, TUBE, 230MM, FOR LED	642200010093
TEST PIN (TP4, TP5, J101)	DIMM, ROUND, TIN	633100950001
WIRE ASSY	1P, 1007, #24, 100MM, FOR TP4, TP5, J101	642200010149

CRT BOARD

Name	Description	Part Number
CRT SOCKET	M1766PD	633100050007

RES

Location	Description	Part Number
R711, 712, 720, 731, 732, 752	470, 5%, 3W, MOF, AX, MINI	631101070471
R713, 733, 753	100, 5%, 1/2W, CF, AX	631100220101
R761	2K, 5%, 1/2W, CF, AX	631100220202
R762	56K, 5%, 1/2W, CF, AX	631100220563
R759	330, 5%, 1/4W, CF, AX	631100210331
R757	100, 5%, 1/6W, CF, AX	631100230101
R750, 760, 770~772	1K, 5%, 1/6W, CF, AX	631100230102
R748, 764	10K, 5%, 1/6W, CF, AX	631100230103
R790	2K, 5%, 1/6W, CF, AX	631100230202
R706, 726, 746, 751	22, 5%, 1/6W, CF, AX	631100230220
R709, 710, 729, 730, 749, 784	220, 5%, 1/6W, CF, AX	633100230221
R728	2.2K, 5%, 1/6W, CF, AX	633100230222
R708	2.7K, 5%, 1/6W, CF, AX	631100230272
R702, 722, 742, 754	33, 5%, 1/6W, CF, AX	631100230330
R703, 723, 743	470, 5%, 1/6W, CF, AX	631100230471
R719, 740, 782	4.7K, 5%, 1/6W, CF, AX	631100230472
R704, 705, 725, 744, 745, 781	62, 5%, 1/6W, CF, AX	631100230620
R701, 721, 741	75, 5%, 1/6W, CF, AX	631100230750
R707, 727, 747	56, 5%, 1/6W, CF, AX	631100230560

VR

Location	Description	Part Number
VR701	10K, 20%, .1W, B, V, 6MM, CARB	631120071031
VR703~705	3000, 20%, .1W, B, V, 6MM, CARB	631120073021

CAP

Location	Description	Part Number
C725, 743, 745	.01U, 20%, 50V, SEMI, Y5V	631201555103
C728	100P, 5%, 50V, CD, NPO	631200013101
C708, 727, 747, 761	.01U, +80-20%, 500V, HI-K, Z5V	631204057103
C775	.01U, +80-20%, 1KV, HI-K, Z5V	631204157103
C704, 724, 744	150P, 5%, 50V, CD, NPO	631200013151
C766	100U, 20%, 16V, ALU, 85°C	631202535107
C707, 748	100P, 5%, 50V, CD, NPO	631200013101
C701, 703, 723, 765, 767, 776	.01U, 20%, 50V, SEMI, Y5V	631201555103
C700, 771	.01U, +80-20%, 50V, SEMI, Y5V	631201557104
C705, 760, 763, 768	100U, 20%, 16V, ALU, 85°C	631202535107
C720	330U, 20%, 16V, ALU, 85°C	631202535337
C722, 742, 764	1.0U, 20%, 50V, ALU, 85°C	631202565105
C702, 721, 741, 772	10.0U, 20%, 50V, ALU, 85°C	631202565106
C706, 726, 746, 769	47.0U, 20%, 50V, ALU, 85°C	631202565476
C762	10.0U, 20%, 100V, ALU, 85°C	631202595106
C774	4700P, 20%, 1KV, HI-K, Z5U	631204155472

COIL

Location	Description	Part Number
L701, 721, 741	PEAKING, 3.3UH, 10%	631300010001

DIODE

Location	Description	Part Number
D750	UF4004, VRRM400V	632001014004
D702, 722, 742, 751	1N4148	632001014148
ZD701	HZ42, ZENER, 3.9V, .1V, 0.5W	632002010042

CON

Location	Description	Part Number
J703	HDR, MA, 2P*1, ST, TIN, 7.5MM	633100110002
J705	HDR, MA, 3P*1, 2MM, ST	633100110032
J708	HDR MA, 5P*1, 2MM, ST	633100110034
J706	HDR, SHROUDED, MA, 2P*1, ST, TIN	633100110202
J704	HDR, SHROUDED, MA, 3P*1, ST, TIN	633100110203
J702	HDR, SHROUDED, MA, 7P*1, ST, TIN	633100110207
J701	HDR, SHROUDED, MA, 6P*1, ST, TIN	633100110206

PIN HOLDER

Location	Description	Part Number
J709	D2.36MM, L14.2MM, H10.25MM	633100990001

TRANS

Location	Description	Part Number
Q702, 722, 742	2SC3953D, NPN, TO126	632031013953
R710, 726, 746	PH2369, NPN, TO-92	632030236901
Q711	2SA733Q, PNP	632031010733
Q701, 703, 721, 723, 741, 743	2SC945Q, NPN, TO-92, NEC ONLY	632031010946

IC

Location	Description	Part Number
U701	LM1207, RGB VIDEO AMP., 28P	632220120701

CORE

Location	Description	Part Number
L704	2-1/2T, K	631300110201

HEATSINK

Location	Description	Part Number
FOR Q702, 722, 742	CRT BD, Q701, 731, 761, M1564P	634312100003

SW BOARD

Name	Description	Part Number
VR	10K, 20%, .3W, B, H, 6MM, ROTATE	631120111103
WIRE ASSY	2854, #30, 3P, 1766PD, FOR MICRO-P CONTROL	642200010143
WIRE ASSY	1007, #24, 3P, 210MM, SCN, FOR ROTATE VR	642200010144

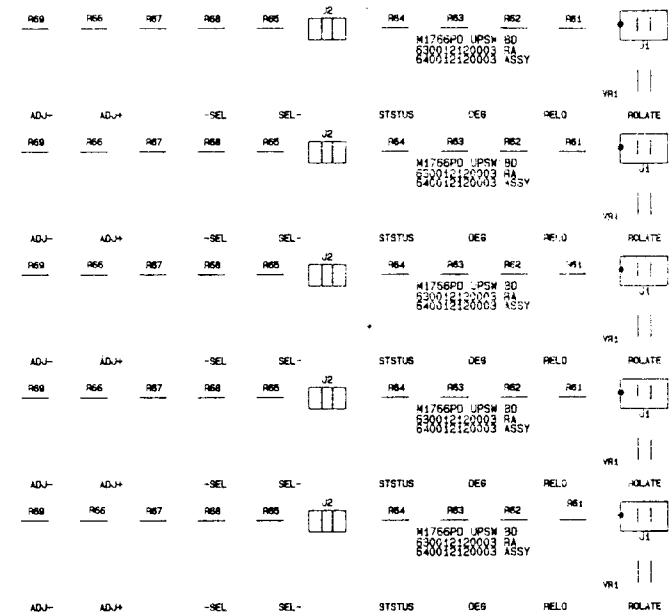
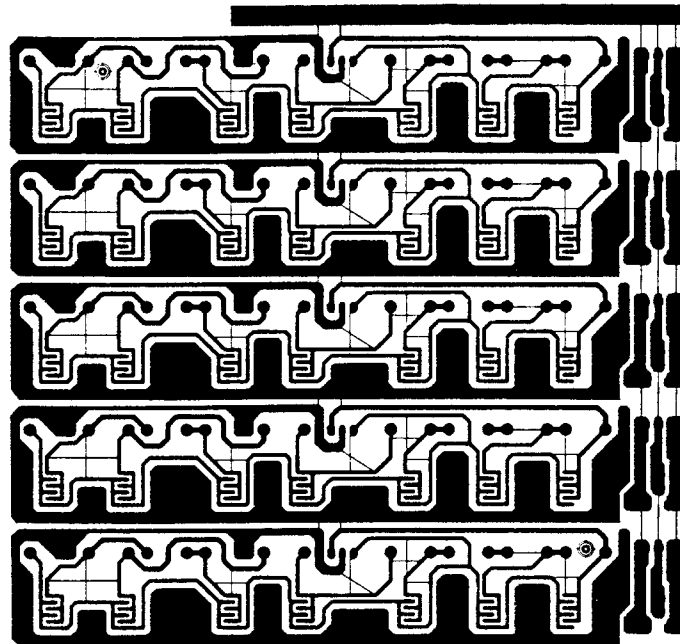
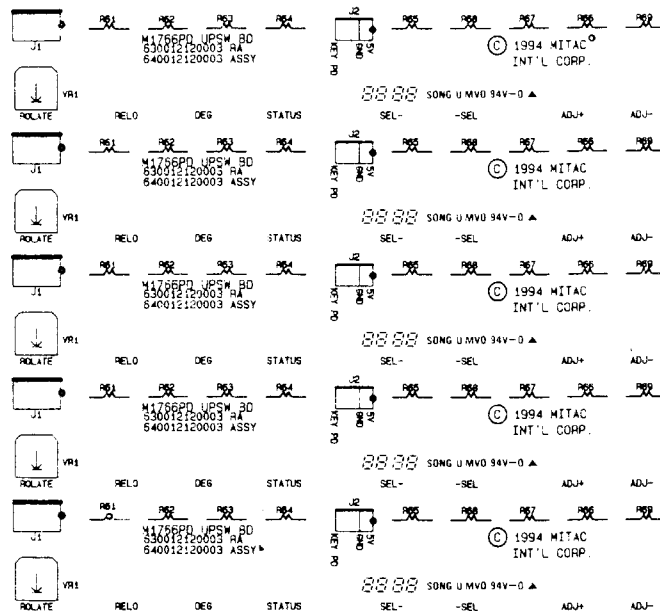
BRT./CONT. BOARD


Name	Description	Part Number
VR	10K, 20%, .05W, B, H, D10MM, FOR CONT.	631120130103
VR	20K, 20%, .05W, B, H, D10MM, FOR BRT.	631120130203
WIRE ASSY	3P, 1007, #24, 420MM, FOR CONT.	642200010102
WIRE ASSY	3P, 1007, #24, 320MM, FOR BRT.	642200010103

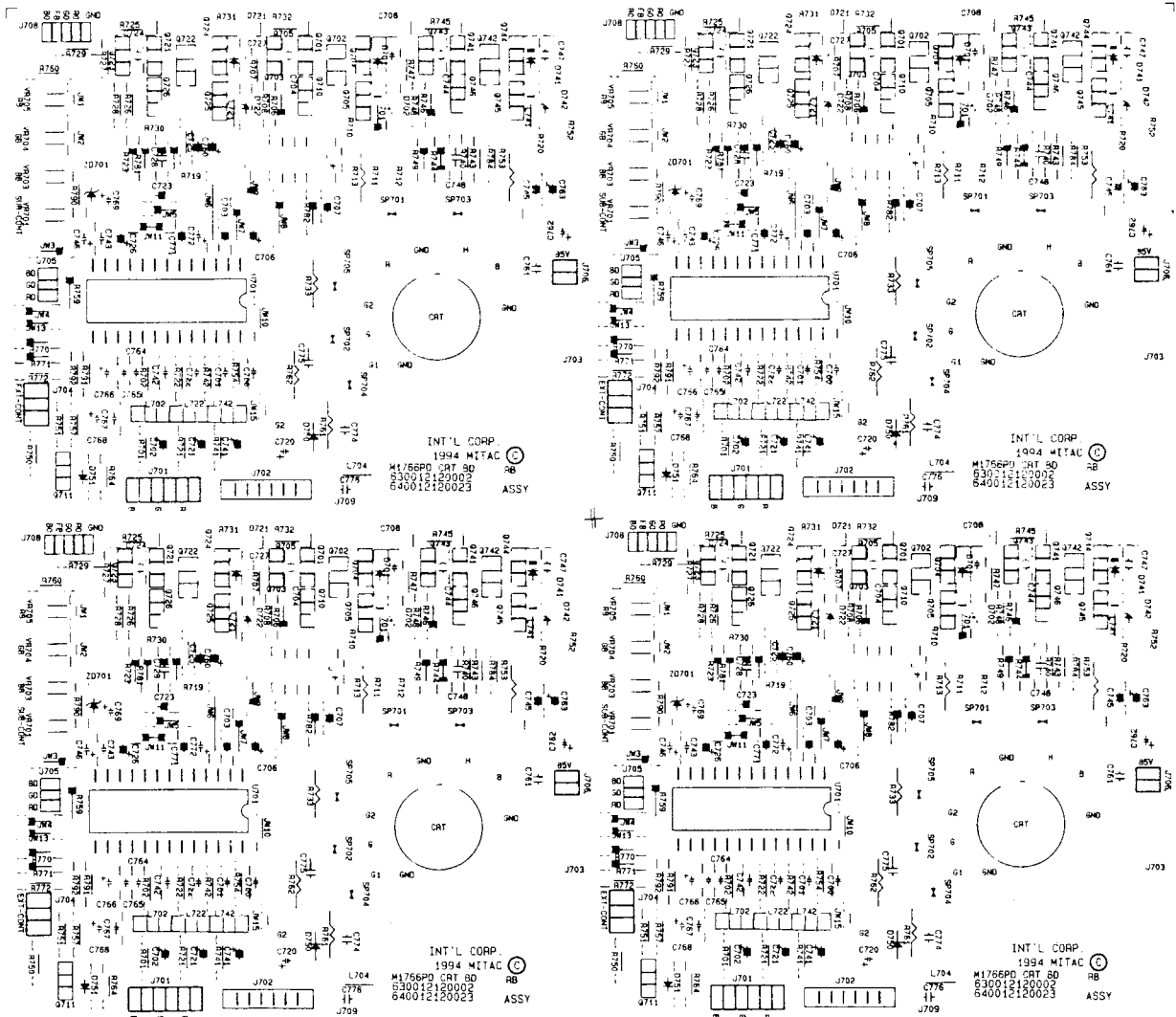
11. SERVICE DIAGRAMS

The following pages contain service diagrams.

Part Number	Description	Rev	Pages
SD 6400 1212 0021	SMPS BD.	R03	1
	MICRO-P	R03	1
	MAIN BD.	R05	1
SD 6400 1212 0023	CRT BD.	R03	1
6450 1210 0003	MONITOR ASSY	R00	1
6300 1212 0001	MAIN BD.	RB	
	TEXT SIDE		1
	COPPER SIDE		1
6300 1212 0002	BACK TEXT SIDE	RB	1
	CRT BD.		
	TEXT SIDE		1
6300 1212 0003	COPPER SIDE	RA	1
	BACK TEXT SIDE		1
	INT BD.		
	TEXT SIDE		1
	COPPER SIDE		1
	BACK TEXT SIDE		1



MODEL: 1766PD	530012120002	REV
GRADE		RB
DATE: 83/09/10		
SCALE: 1 : 2		



MODEL: 1766PD

630012120002

REV

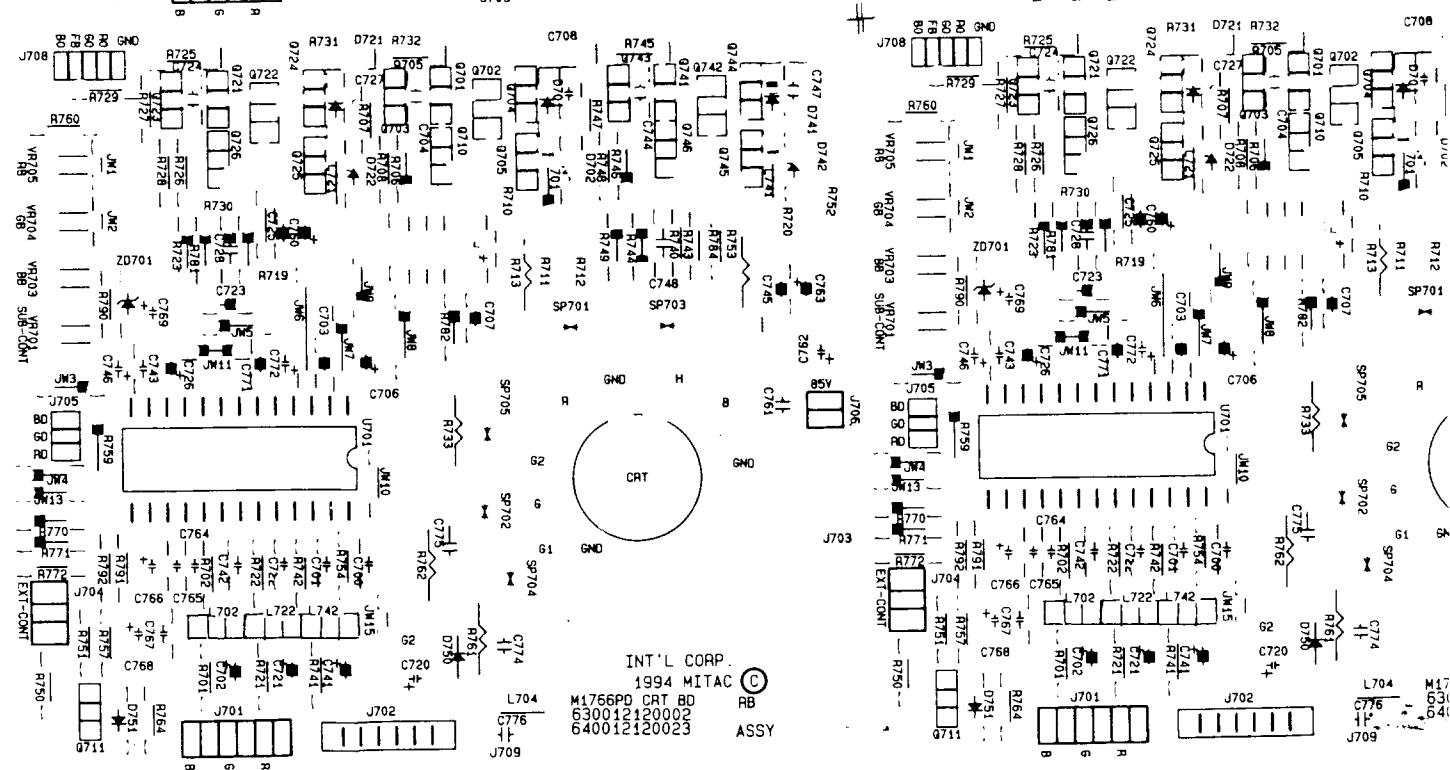
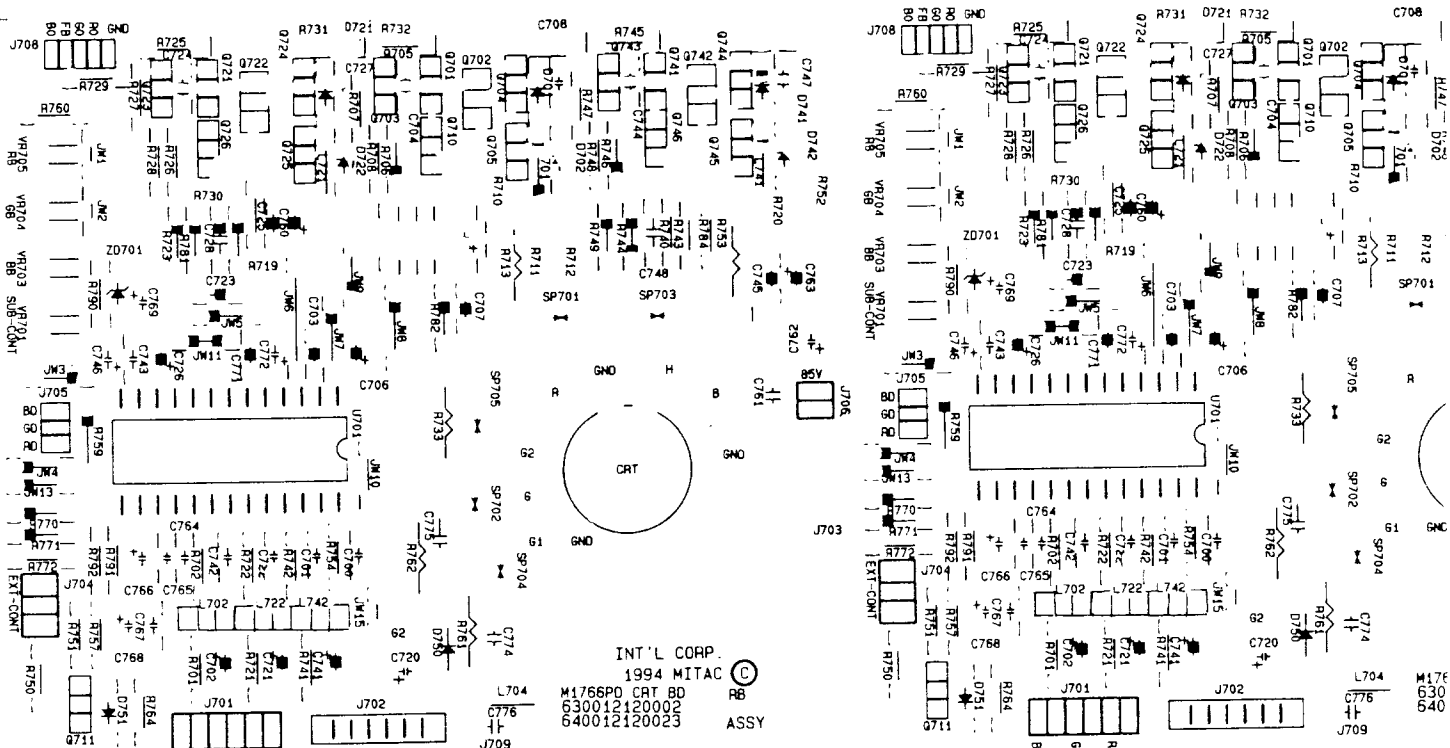
R300J2

RB

DATE: 83/09/10

SCALE: 1 : 2

MITAC



MODEL: 1766PD

630012120002

REV

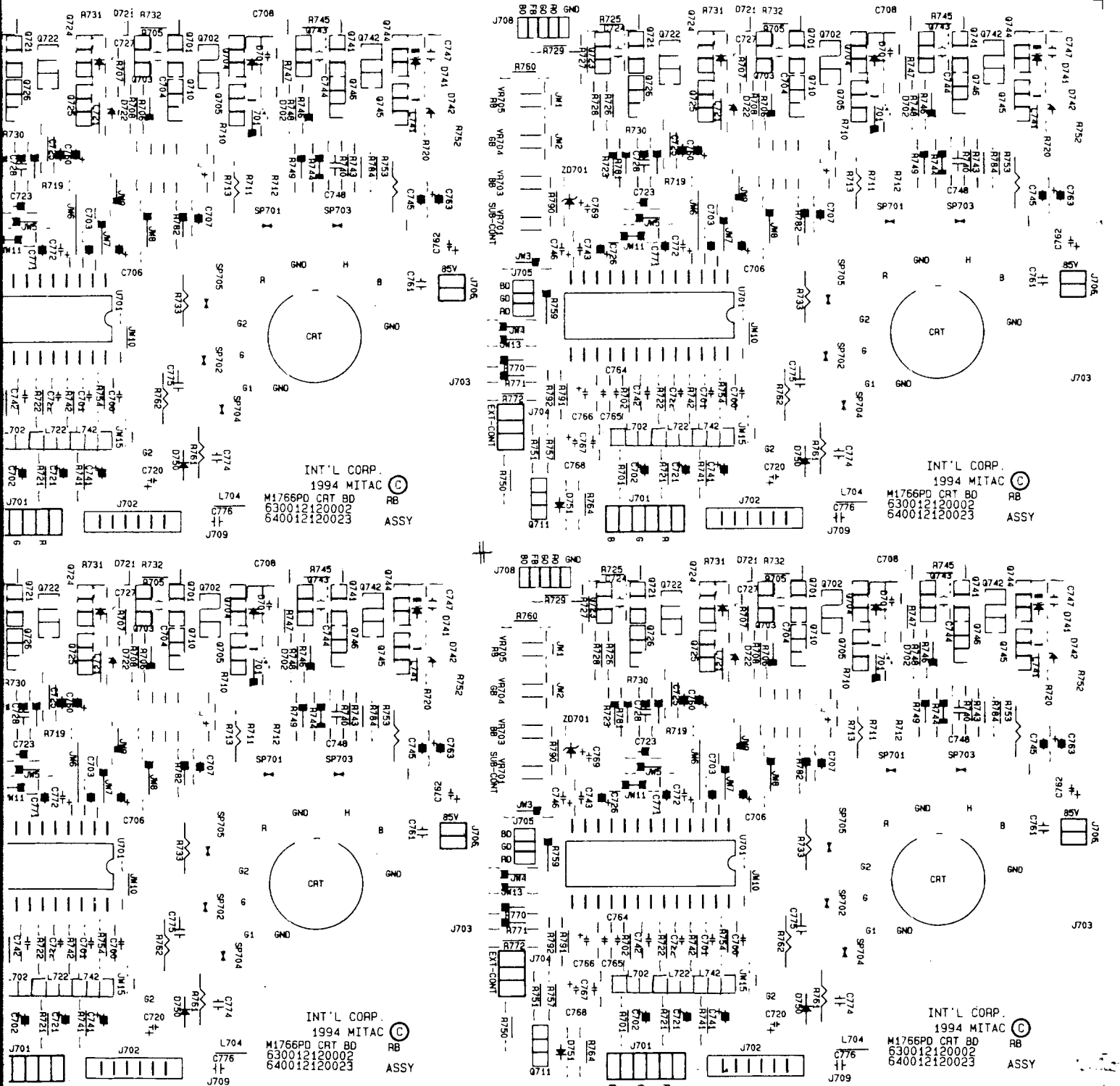
R3D0J2

RB

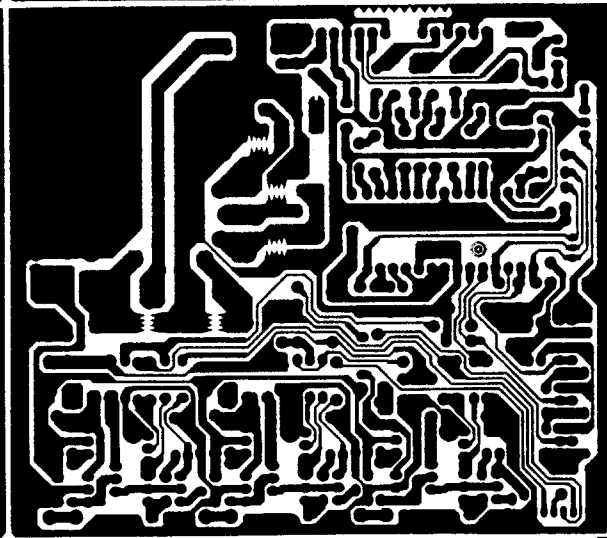
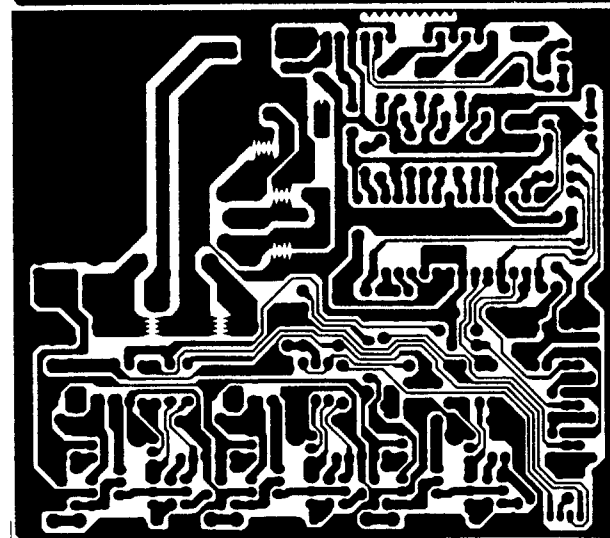
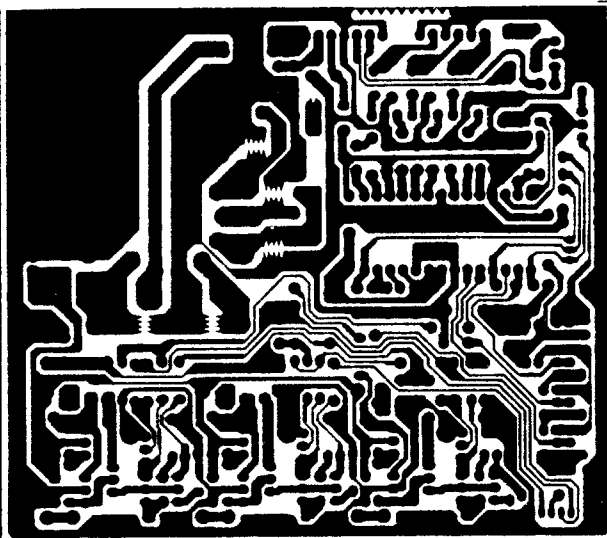
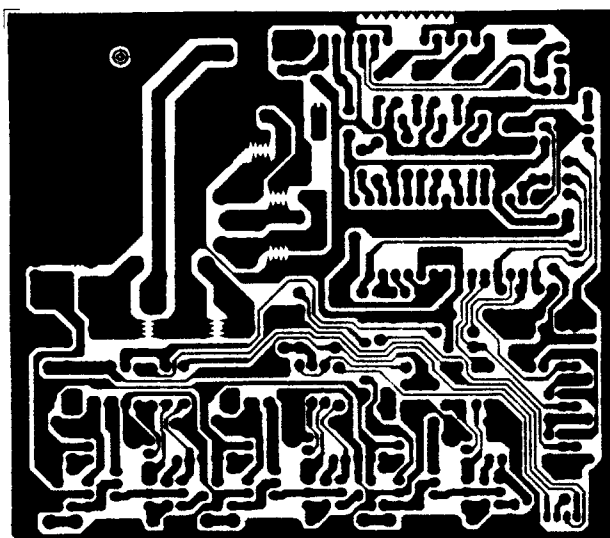
DATE: 83/09/10

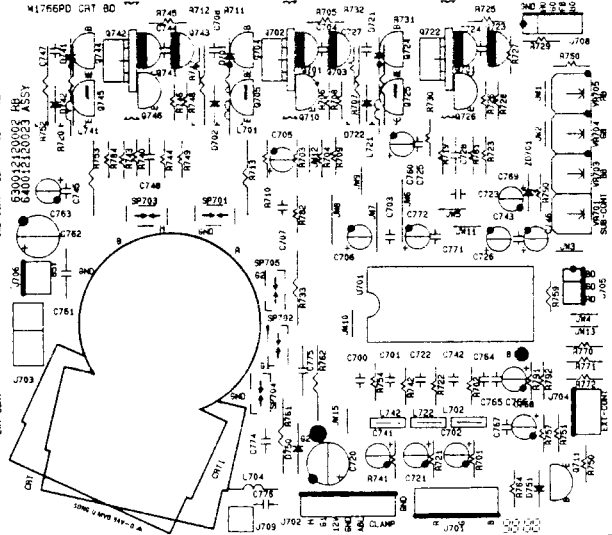
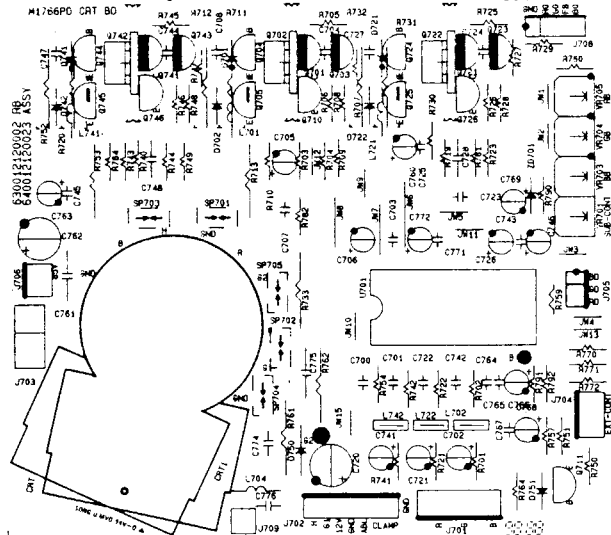
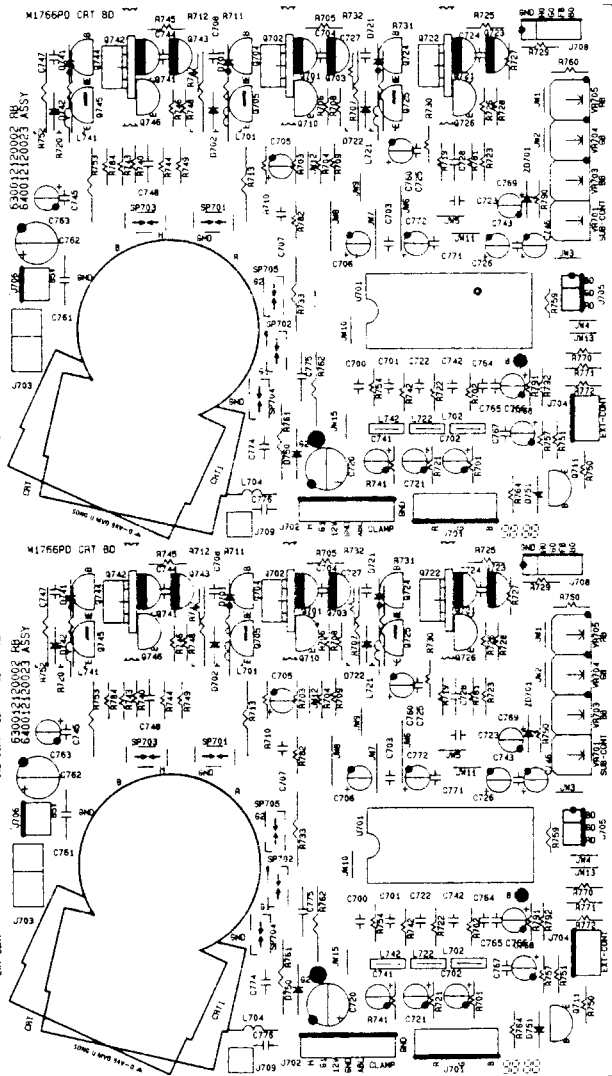
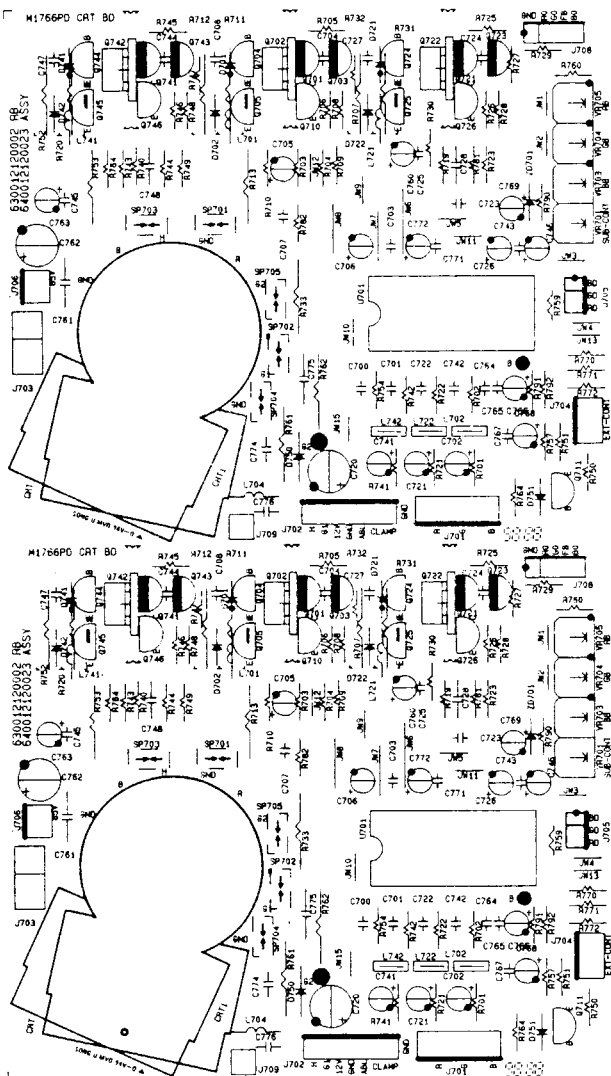
SCALE: 1 : 2

MITAC

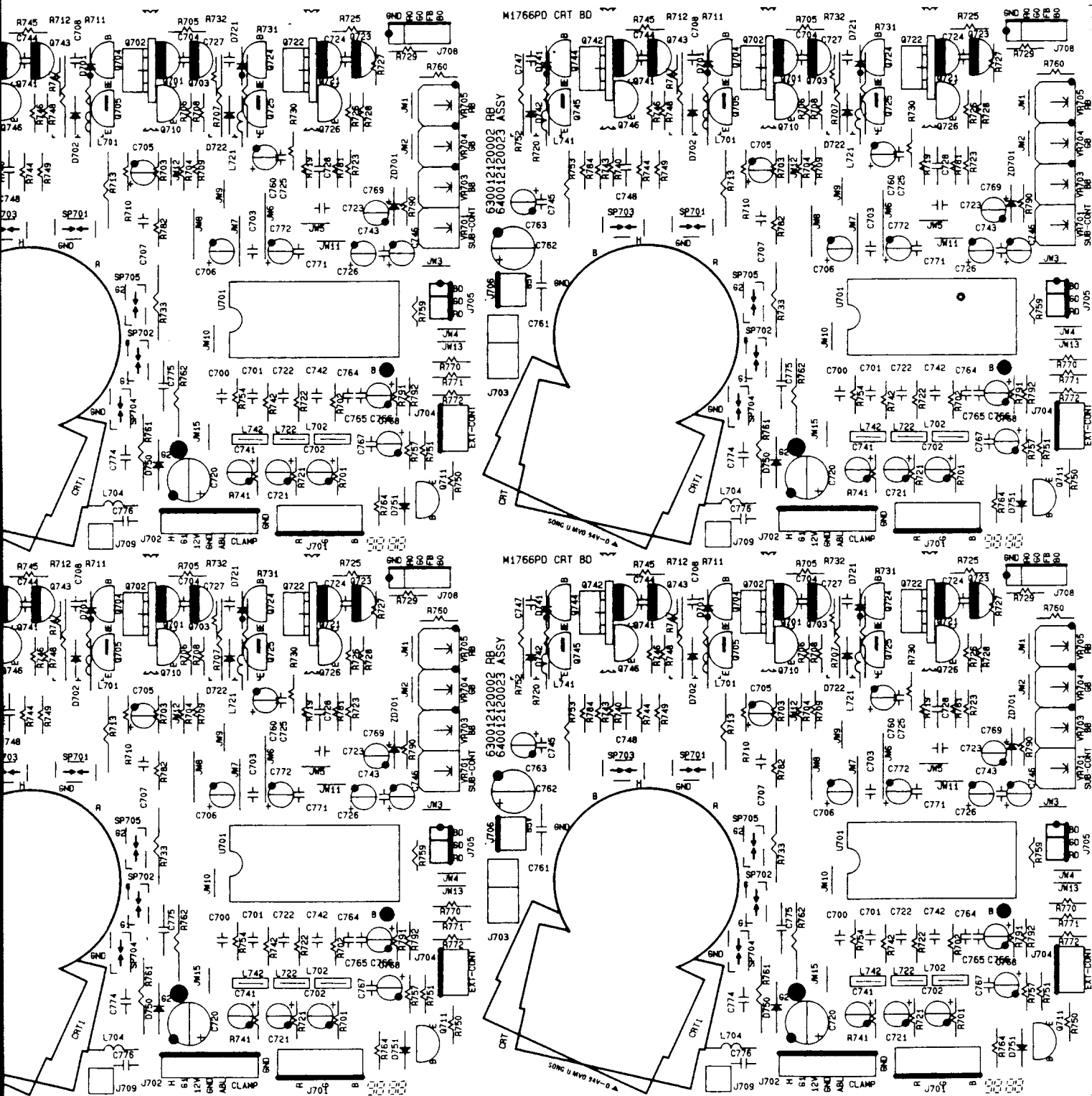


MODEL: 1766PD	630012120002	REV
R300J2		RB
DATE: 83/09/10	MITAC	
SCALE: 1 : 2		

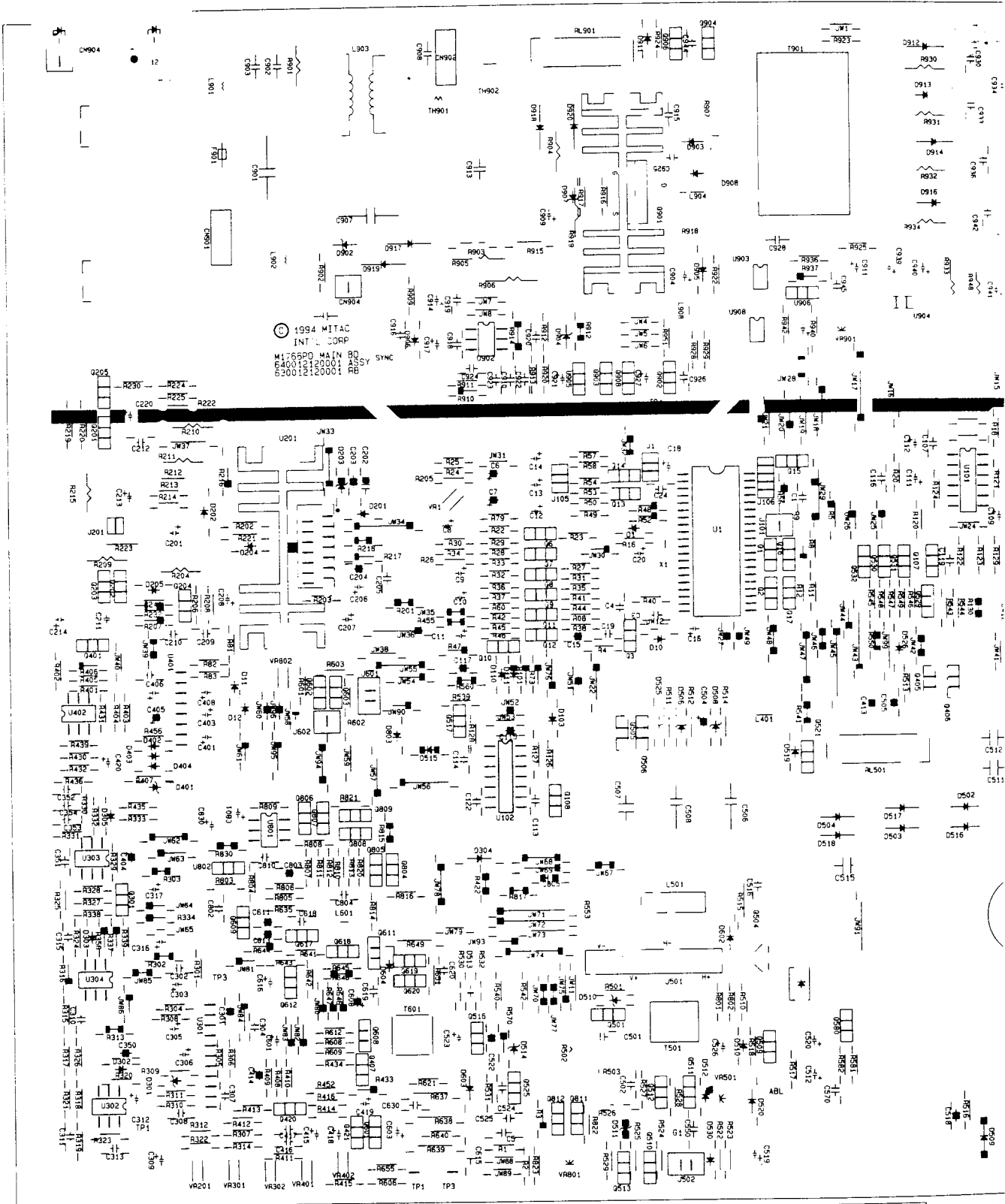




MODEL: 1766PD	630012120002	REV
R300J2		RB
DATE: 83/09/10	MITAC	
SCALE: 1 : 2		



MODEL: 1766PD	630012120002	REV
A300J2		RB
DATE: 83/09/10	MITAC	
SCALE: 1 : 2		



630012120001

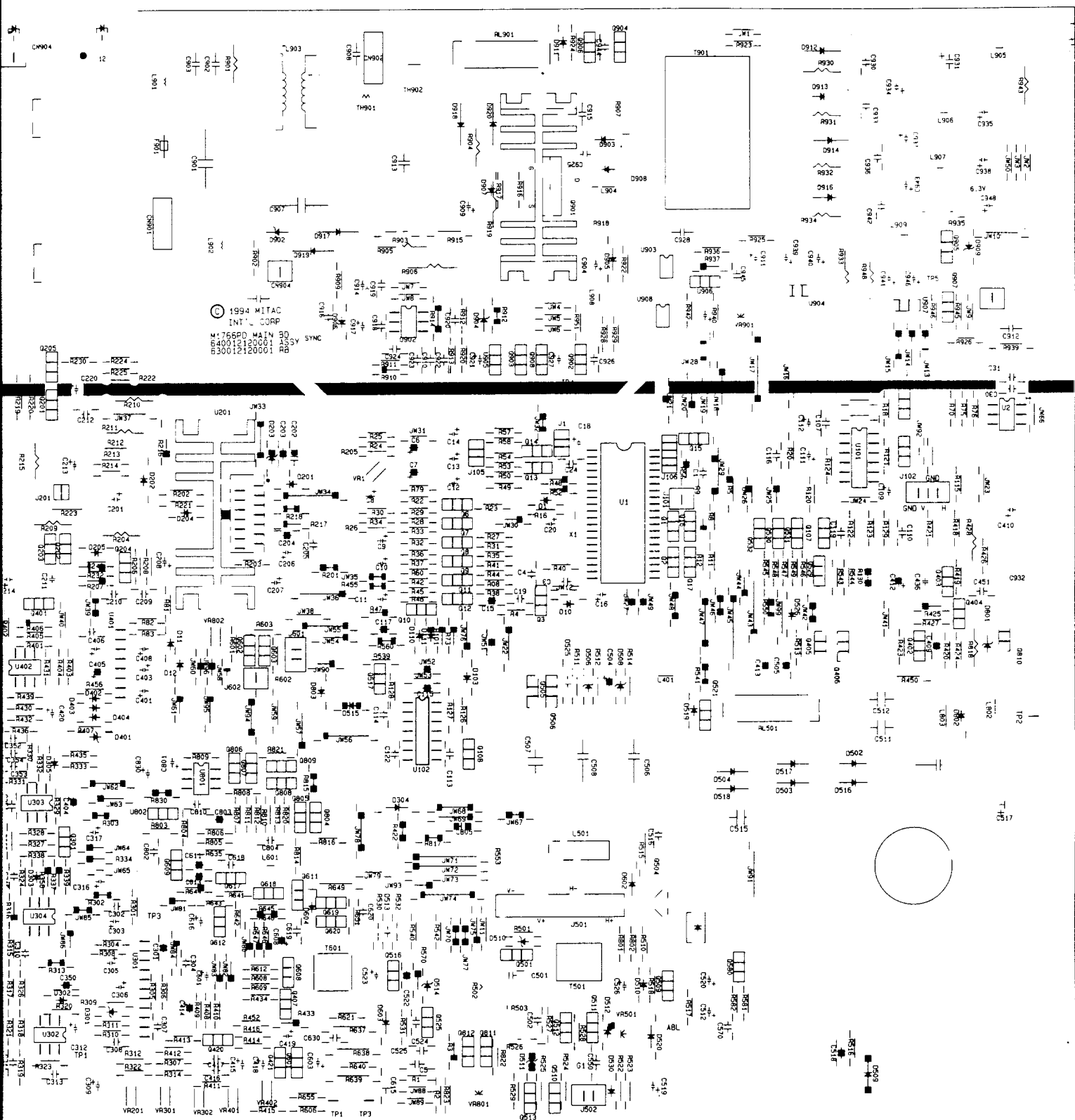
MOEOL: M1764PD

SLKBOT

DATE: 83/10/10

SCALE: 1 : 1.5

MITAC



630012120001

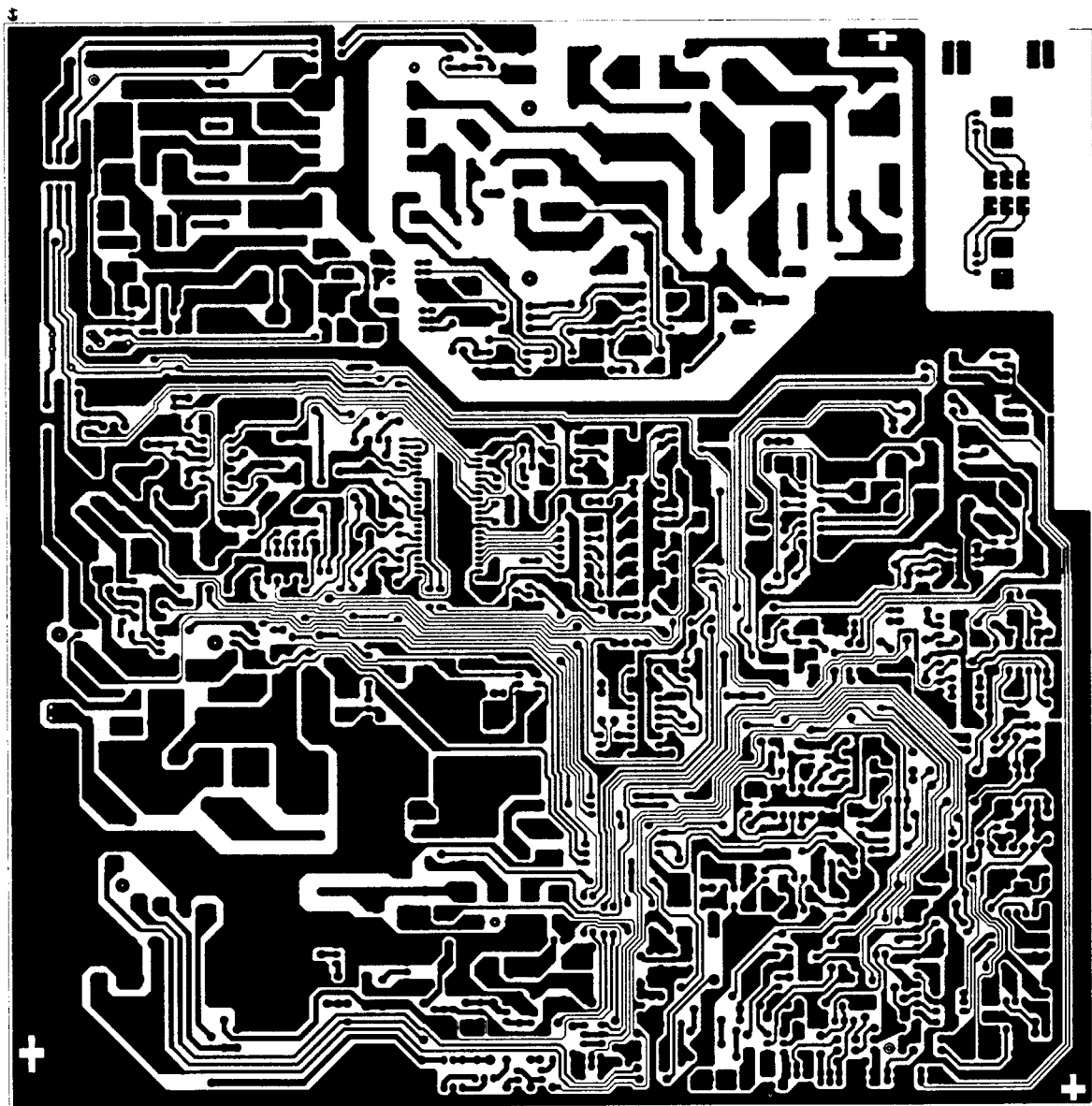
MOEOL: M1764PD

SLK80T

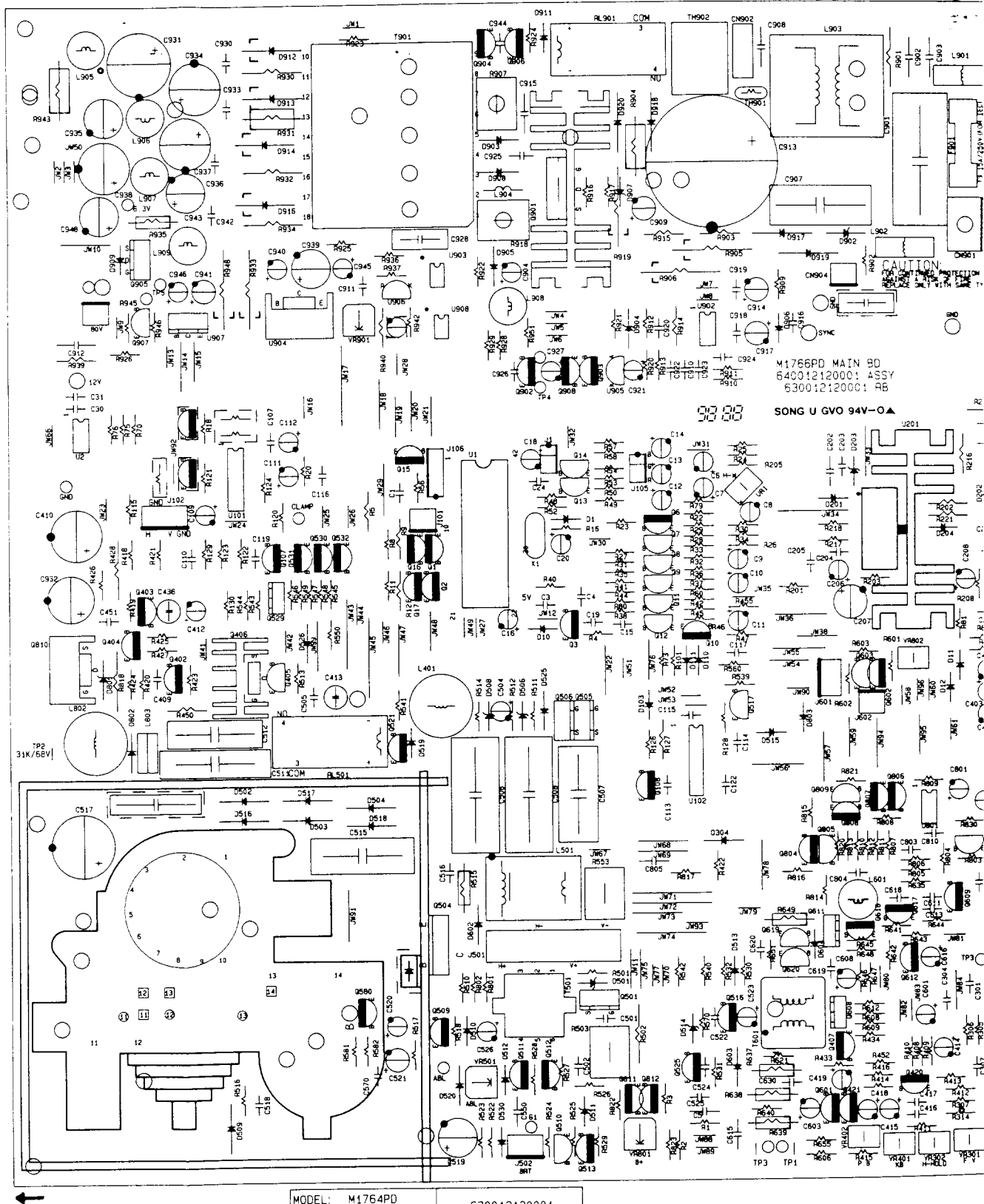
MITAC

DATE: 83/10/10

SCALE: 1 : 1.5

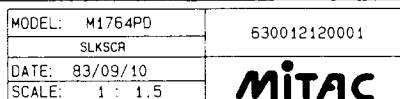


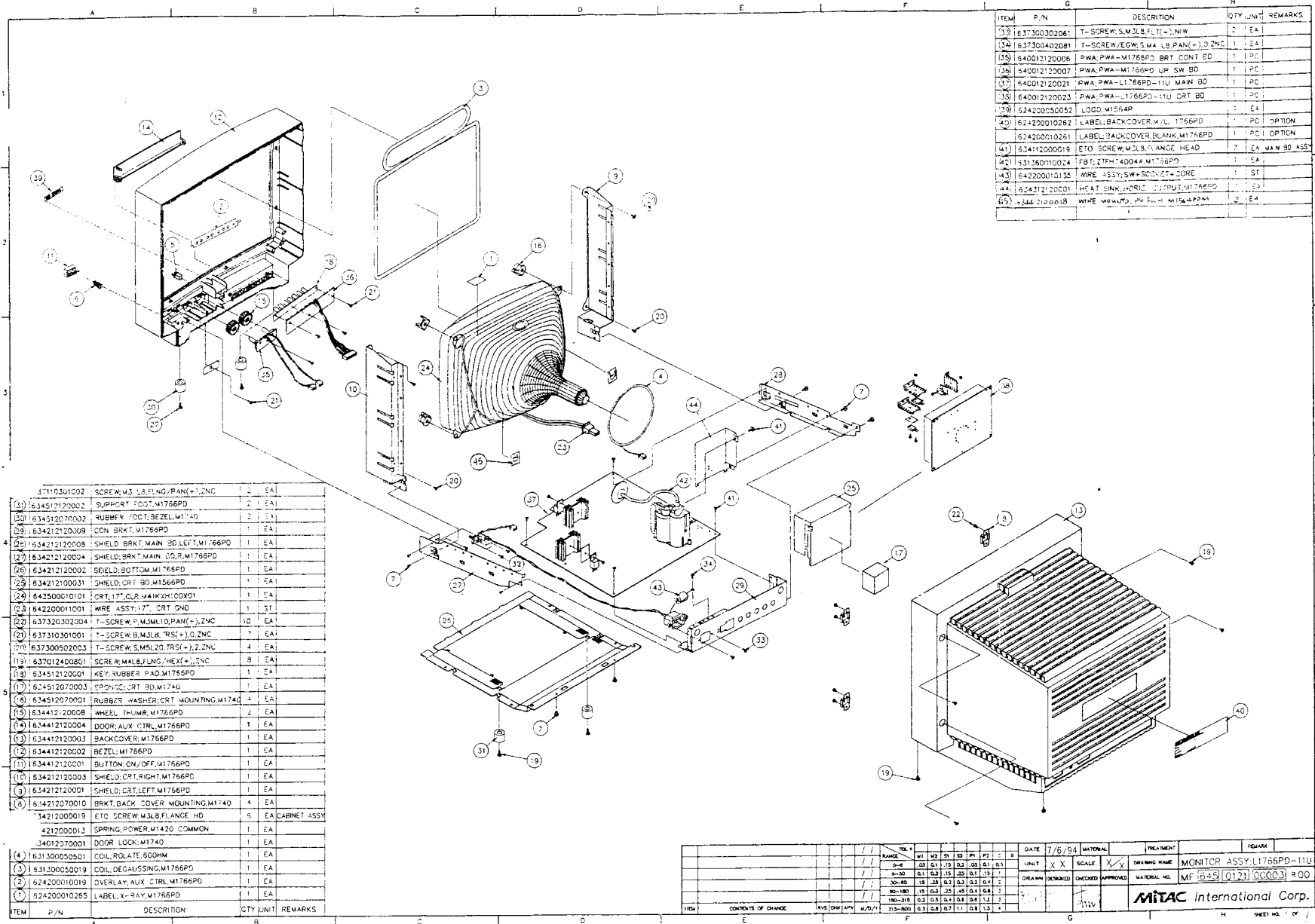
MODEL: M1754PD	630012120001
COMP	
DATE: 83/09/10	Mitac



MODEL: M1764PD	630012120001
SLKSCR	
DATE: 83/09/10	
SCALE: 1 : 1.5	

MITAC

**MITAC**

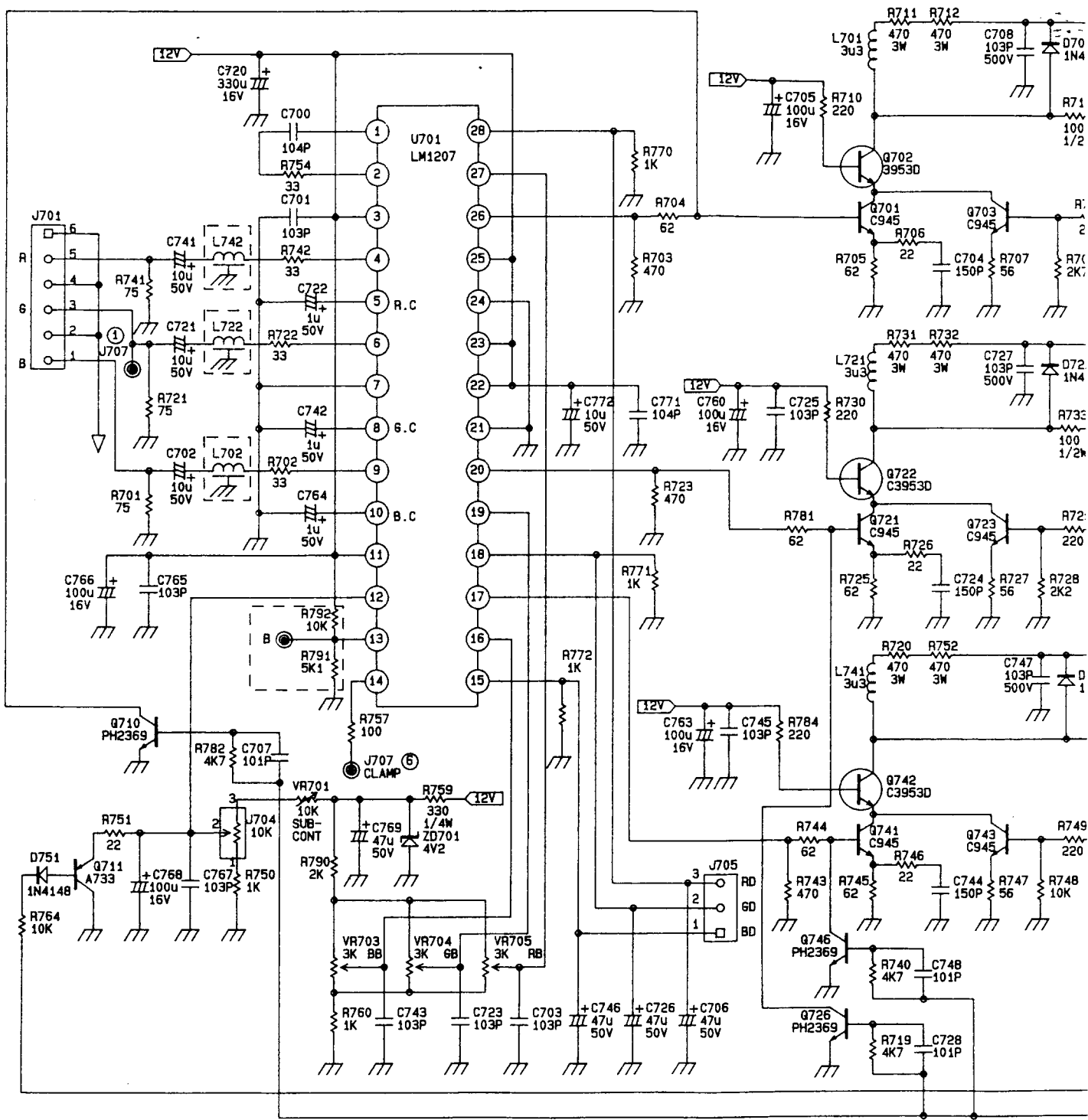


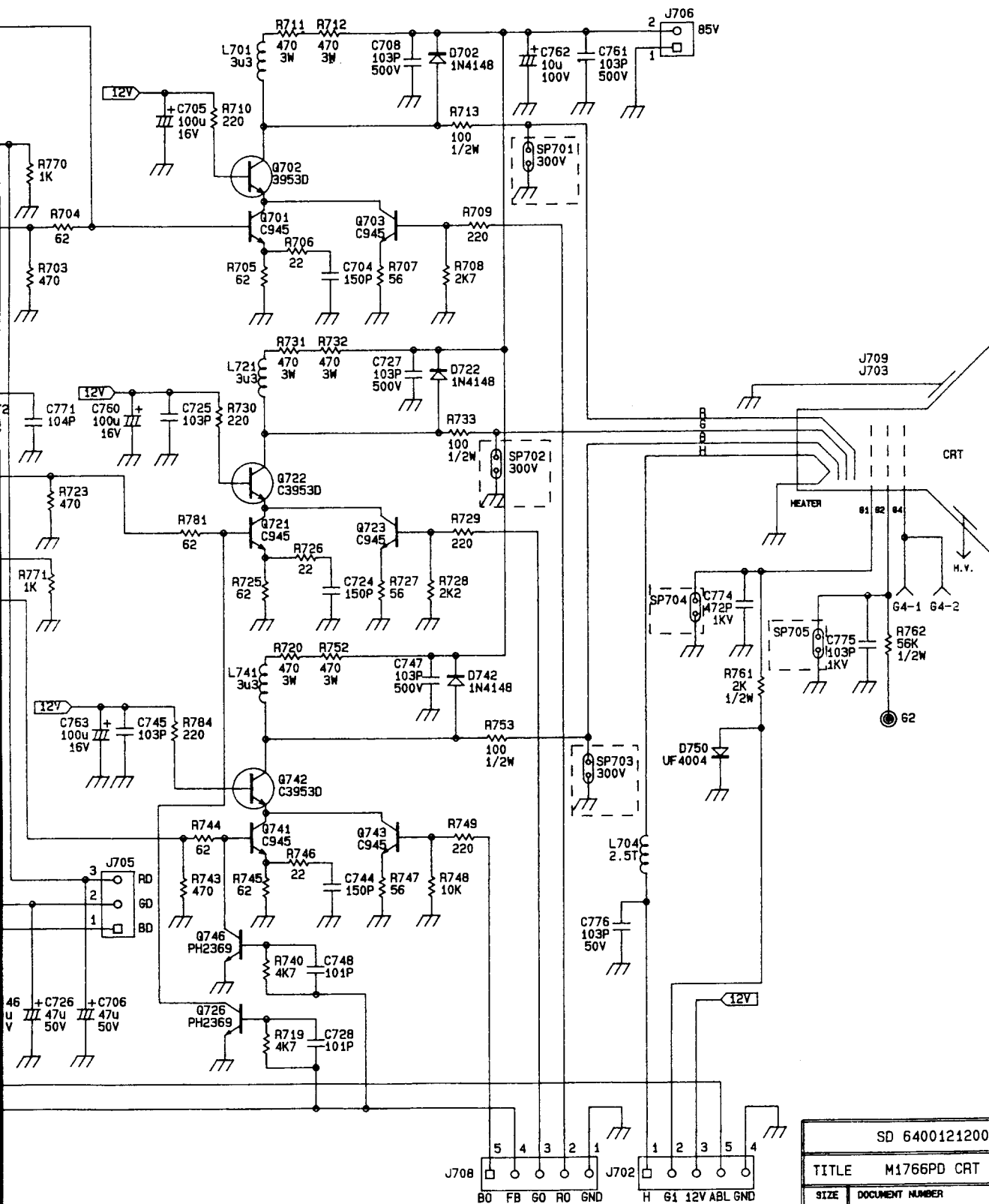
ITEM	P/N	DESCRIPTION	QTY	UNIT	REMARKS
13	637300302061	T-SCREW S.M.3/8,FLTC(+),NIW	2	EA	
14	637300402081	T-SCREW/EGW S.M.4 L8,PAN(+),D.ZNC	1	EA	
15	640012120006	PWA-PWA-M1766PD BRT CONT BD	1	PC	
16	640012120007	PWA-PWA-M1766PD UP SW BD	1	PC	
17	640012120021	PWA-PWA-L1766PD-11U MAIN BD	1	PC	
18	640012120023	PWA-PWA-L1766PD-11U CRT BD	1	PC	
19	624200050052	LOGO M1564P	1	EA	
20	624200010262	LABEL BACK COVER M/L 1766PD	1	PC	OPTION
21	624200010261	LABEL BACK COVER BLANK M1766PD	1	PC	OPTION
22	634120000019	ETO SCREW M.3/8, FLANGE HEAD	7	EA	MAIN BD ASSY
23	631360010024	FBFLZTH74004A M1766PD	1	EA	
24	642200010135	WIRE ASSY SW+SCD+ZT+CORE	1	ST	
25	624200010135	HEAT SINK, HORIZ. OUTPUT M1766PD	1	EA	
26	64421000018	WIRE MOUNTING PWA-M1564P22A	2	EA	

1	637300302061	SCREW M.3 L8,FLNG/PAN(+),ZNC	2	EA	
2	634512120002	SUPPORT FOOT M1766PD	2	EA	
3	634512070002	RUBBER FOOT BEZEL M1740	2	EA	
4	634212120009	CON BRKT M1766PD	1	EA	
5	634212120008	SHIELD BRKT MAIN BD LEFT M1766PD	1	EA	
6	634212120004	SHIELD BRKT MAIN BD R M1766PD	1	EA	
7	634212120002	SHIELD BOTTOM M1766PD	1	EA	
8	634212100031	SHIELD CRT BD M1566PD	1	EA	
9	643500010101	CRT 17" CLR W41KXH COX01	1	EA	
10	642200010101	WIRE ASSY 17" CRT DND	1	ST	
11	637300302004	T-SCREW P.M.3/8,FLNG/PAN(+),ZNC	10	EA	
12	637310301001	T-SCREW B.M.3/8,FLNG/PAN(+),D.ZNC	7	EA	
13	637300502003	T-SCREW S.M.3/8,FLNG/TRS(+),D.ZNC	4	EA	
14	637012400801	SCREW M.4 L8,FLNG/HEX(+),ZNC	3	EA	
15	634512120001	KEY RUBBER PAD M1766PD	1	EA	
16	634512070003	SPONGE CRT BD M1740	1	EA	
17	634512070001	RUBBER WASHER CRT MOUNTING M1740	4	EA	
18	634412120008	WHEEL THUMB M1766PD	2	EA	
19	634412120004	DOOR AUX CTRL M1766PD	1	EA	
20	634412120003	BACK COVER M1766PD	1	EA	
21	634412120002	BEZEL M1766PD	1	EA	
22	634412120001	BUTTON ON/OFF M1766PD	1	EA	
23	634212120003	SHIELD CRT RIGHT M1766PD	1	EA	
24	634212120001	SHIELD CRT LEFT M1766PD	1	EA	
25	634212070010	BRKT BACK COVER MOUNTING M1740	4	EA	
26	642200010109	ETO SCREW M.3/8, FLANGE HD	5	EA	CABINET ASSY
27	642200010103	SPRING POWER M1740 COMMON	1	EA	
28	6401270001	DOOR LOCK M1740	1	EA	
29	631300050501	COIL ROTATE 600HM	1	EA	
30	631300050501	COIL DEGAUSSING M1766PD	1	EA	
31	624200010019	OVERLAY AUX CTRL M1766PD	1	EA	
32	624200010265	LABEL X-RAY M1766PD	1	EA	

ITEM	CONTENTS OF CHANGE	REV	CHK	APP	DATE	7/6/94	MATERIAL	PREPARED	REVIEW
1									
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MITAC International Corp.

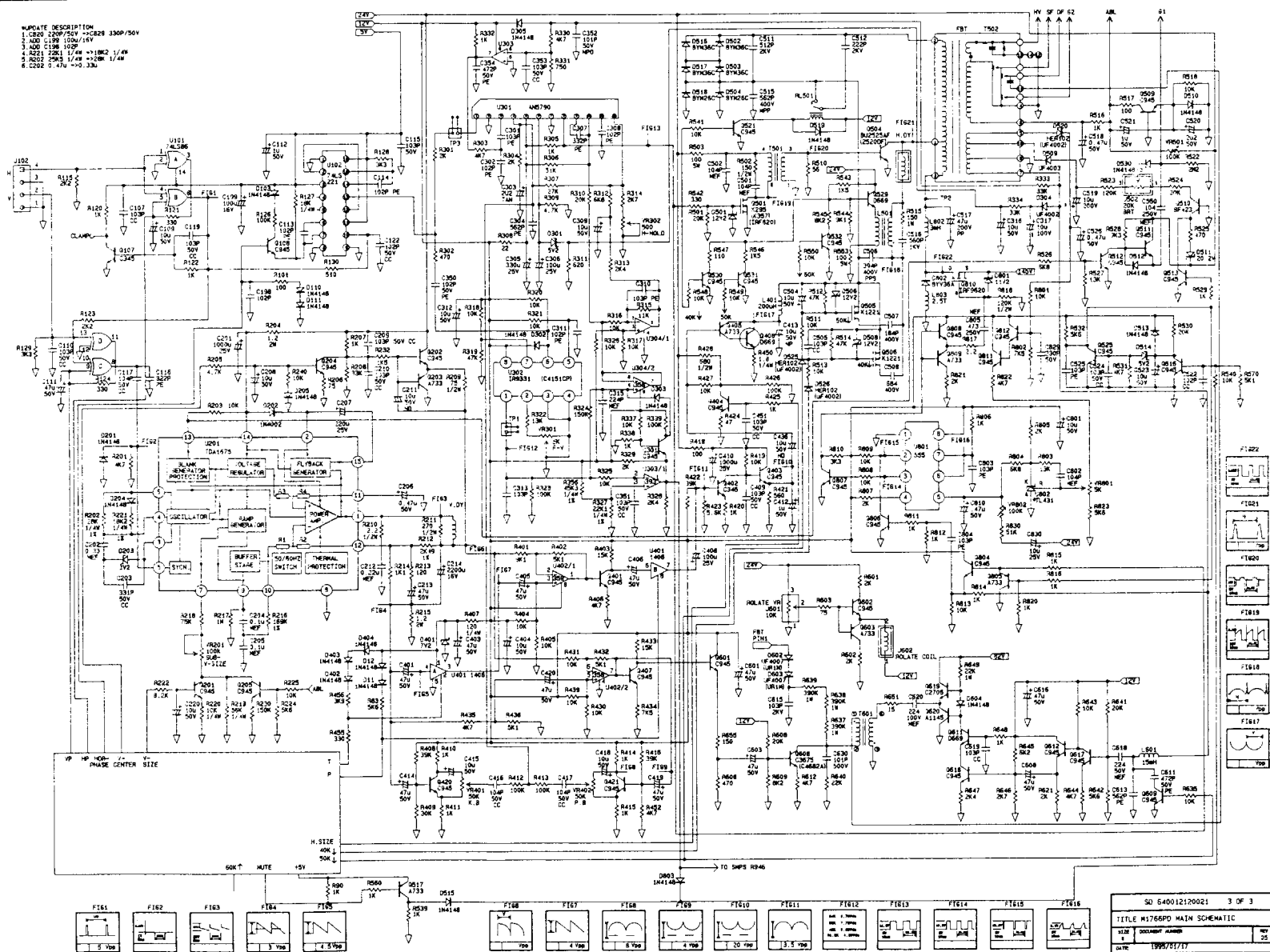




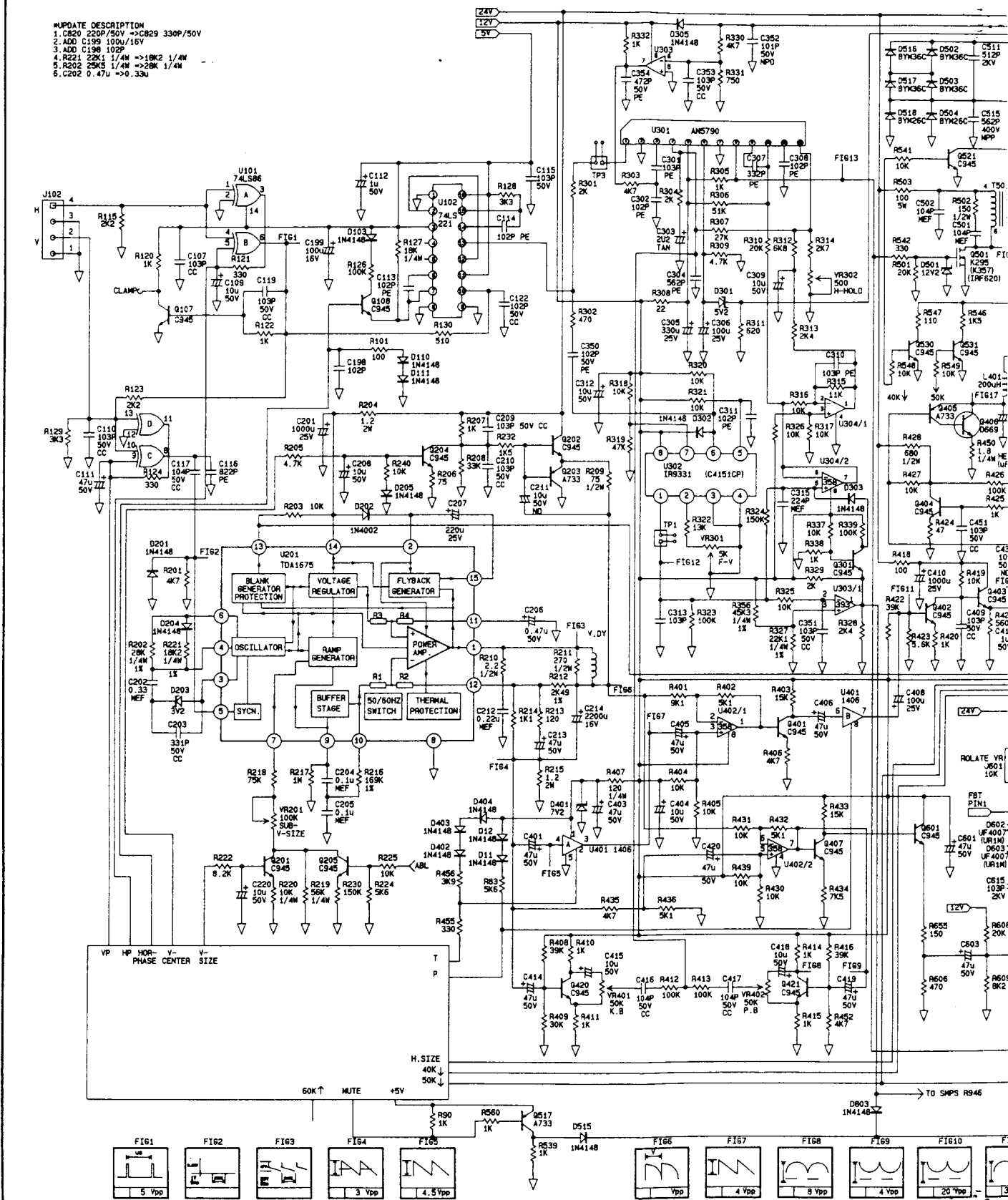
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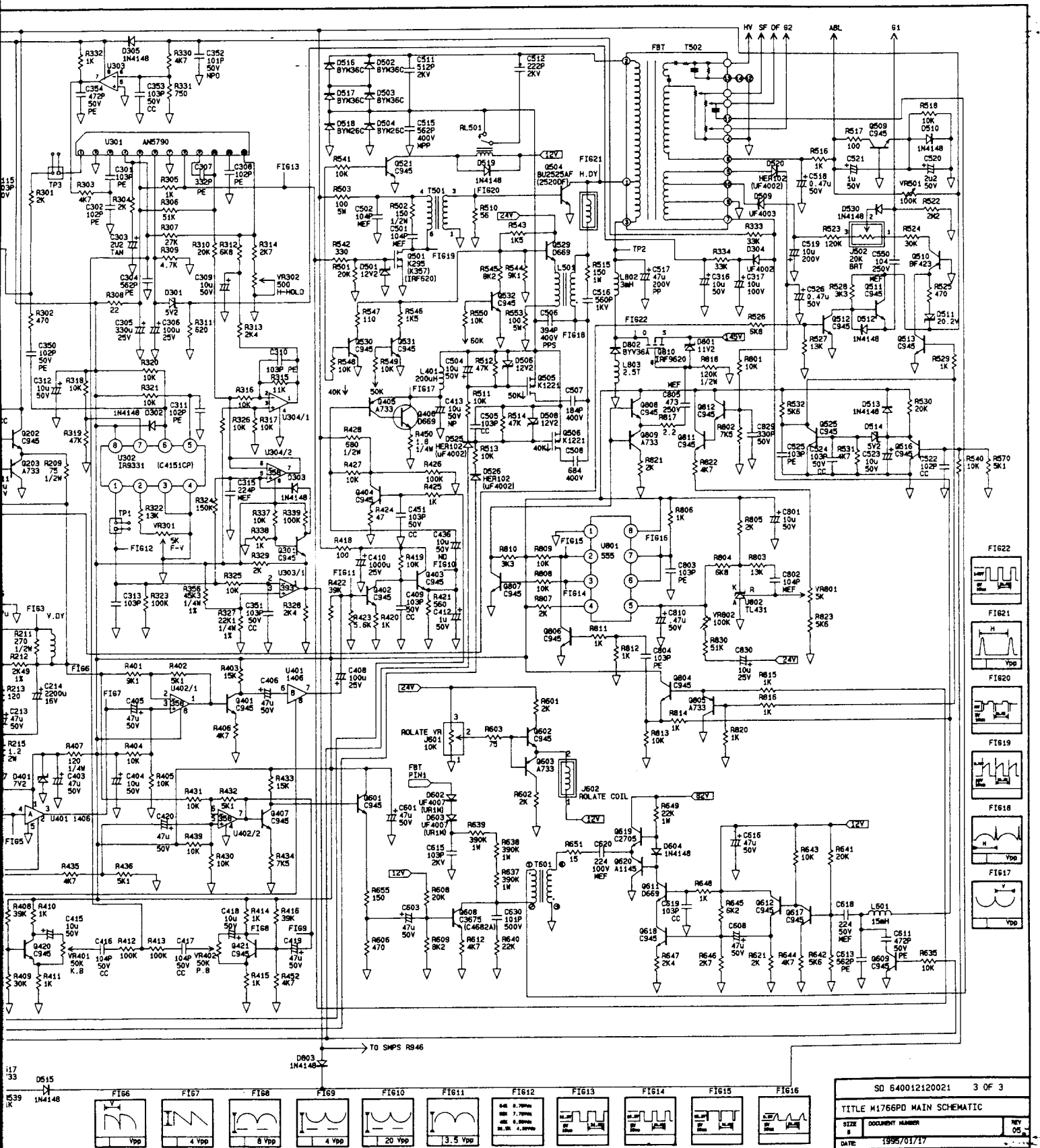
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1.C820 220P/50V =>C829 330P/50V
2.ADD C199 100u/16V
3.ADD C198 102P
4.A221 22K1 1/4W =>10K2 1/4W
5.A202 25K5 1/4W =>20K 1/4W
6.C202 0.47u =>0.33u

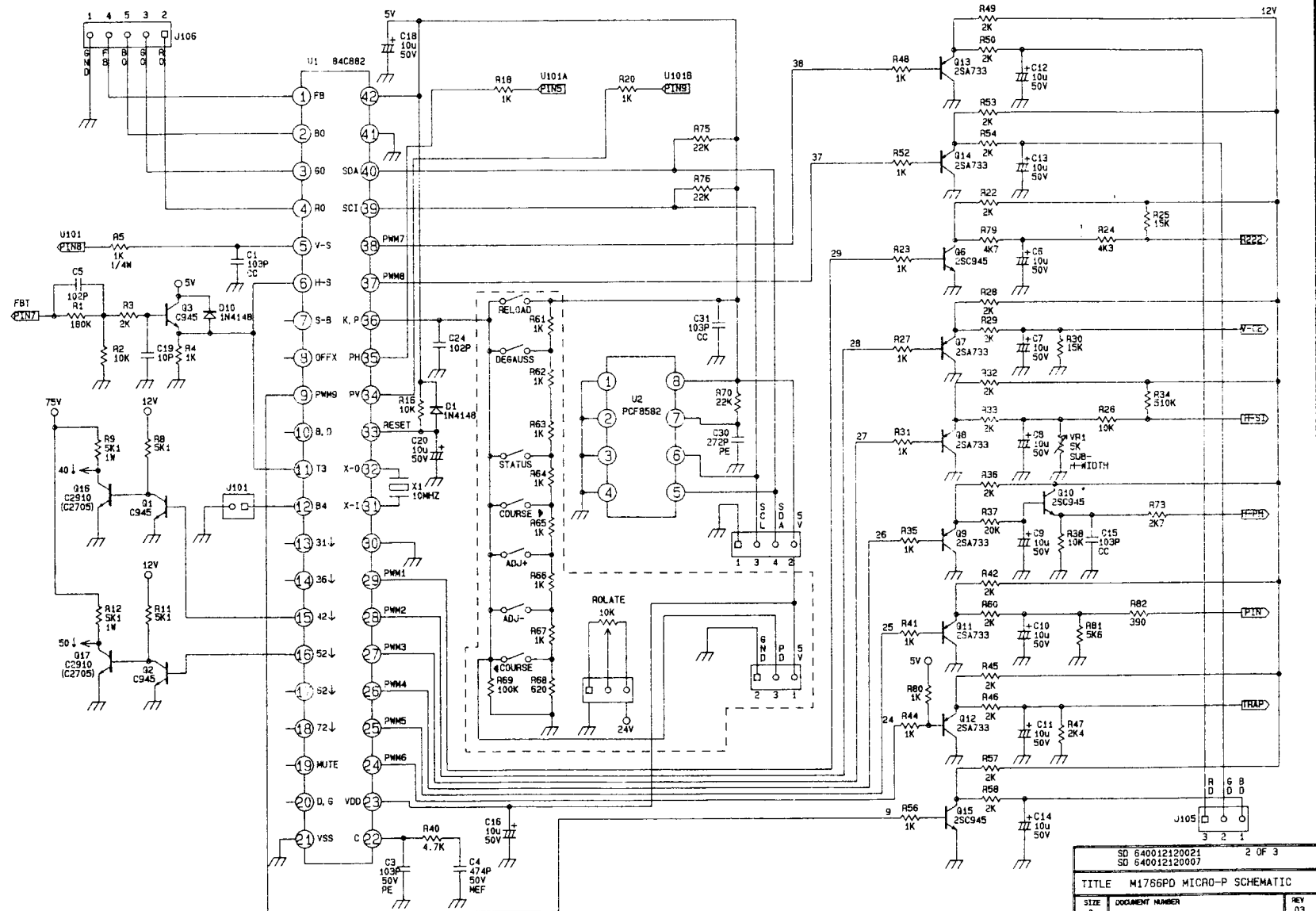
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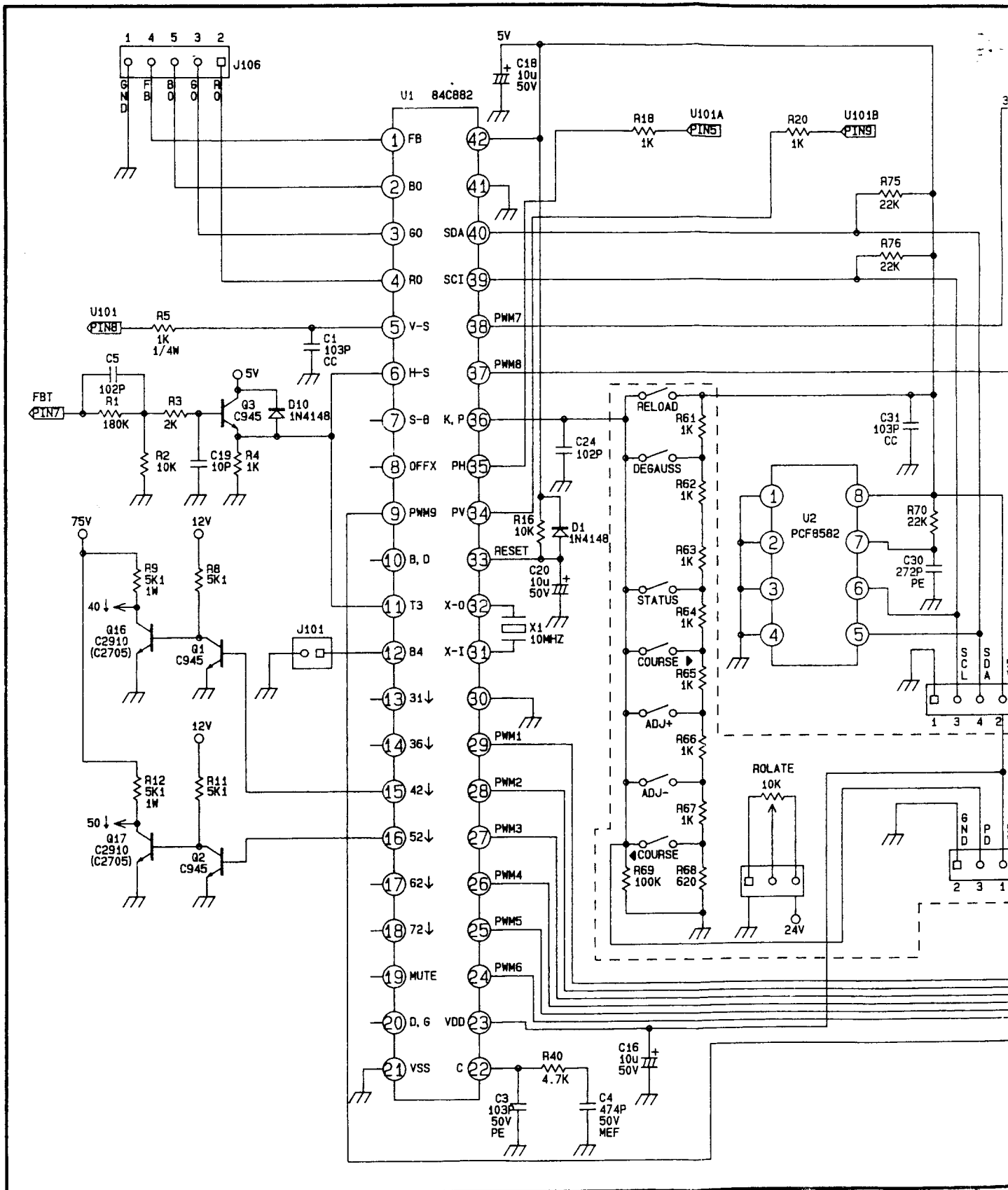
UPDATE DESCRIPTION
 1. C820 220P/50V -> C829 330P/50V
 2. ADD C199 100U/16V
 3. ADD C198 102P
 4. R221 22K 1/4W -> 18K 1/4W
 5. R202 25K 1/4W -> 28K 1/4W
 6. C202 0.47U -> 0.33U

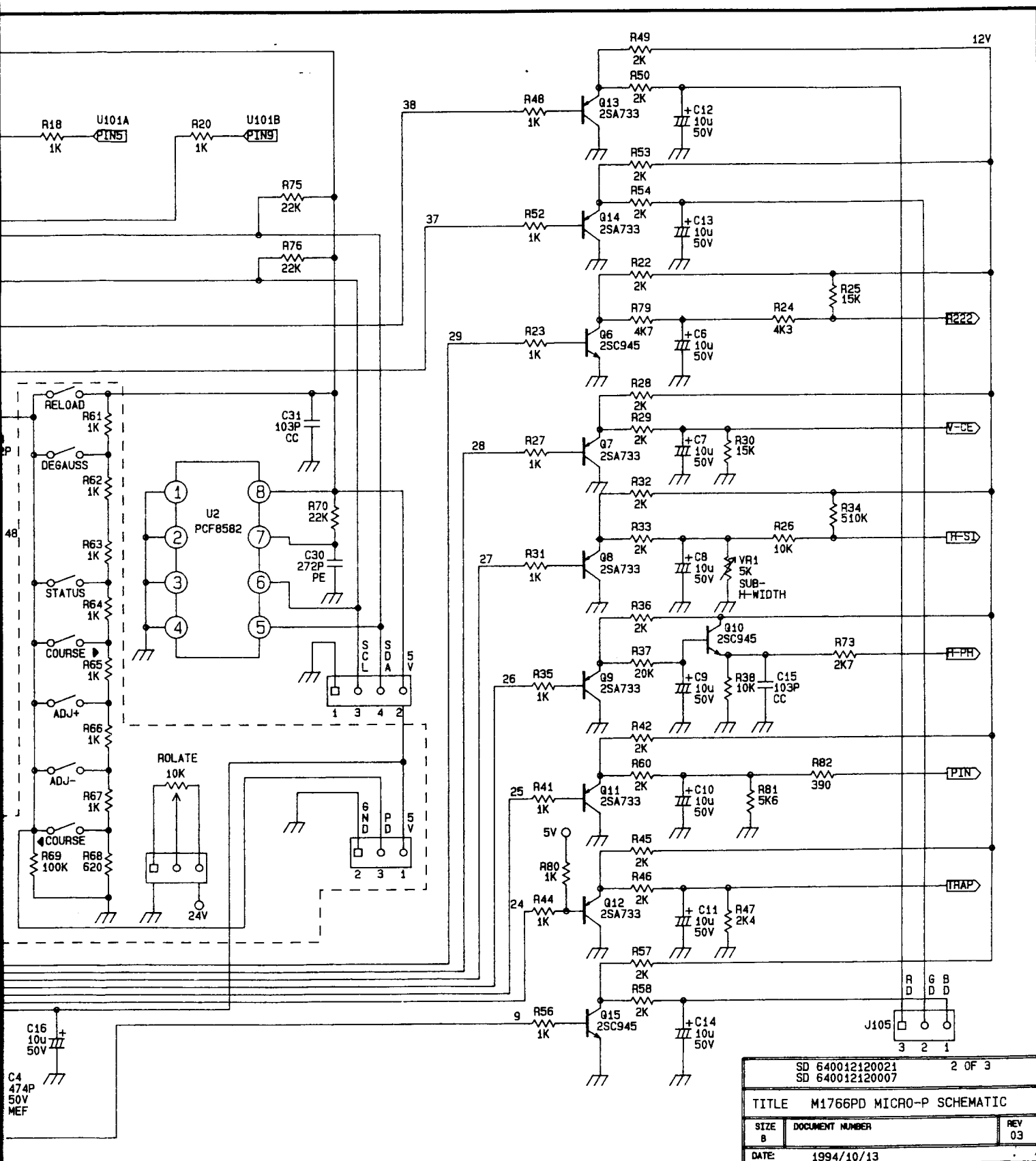




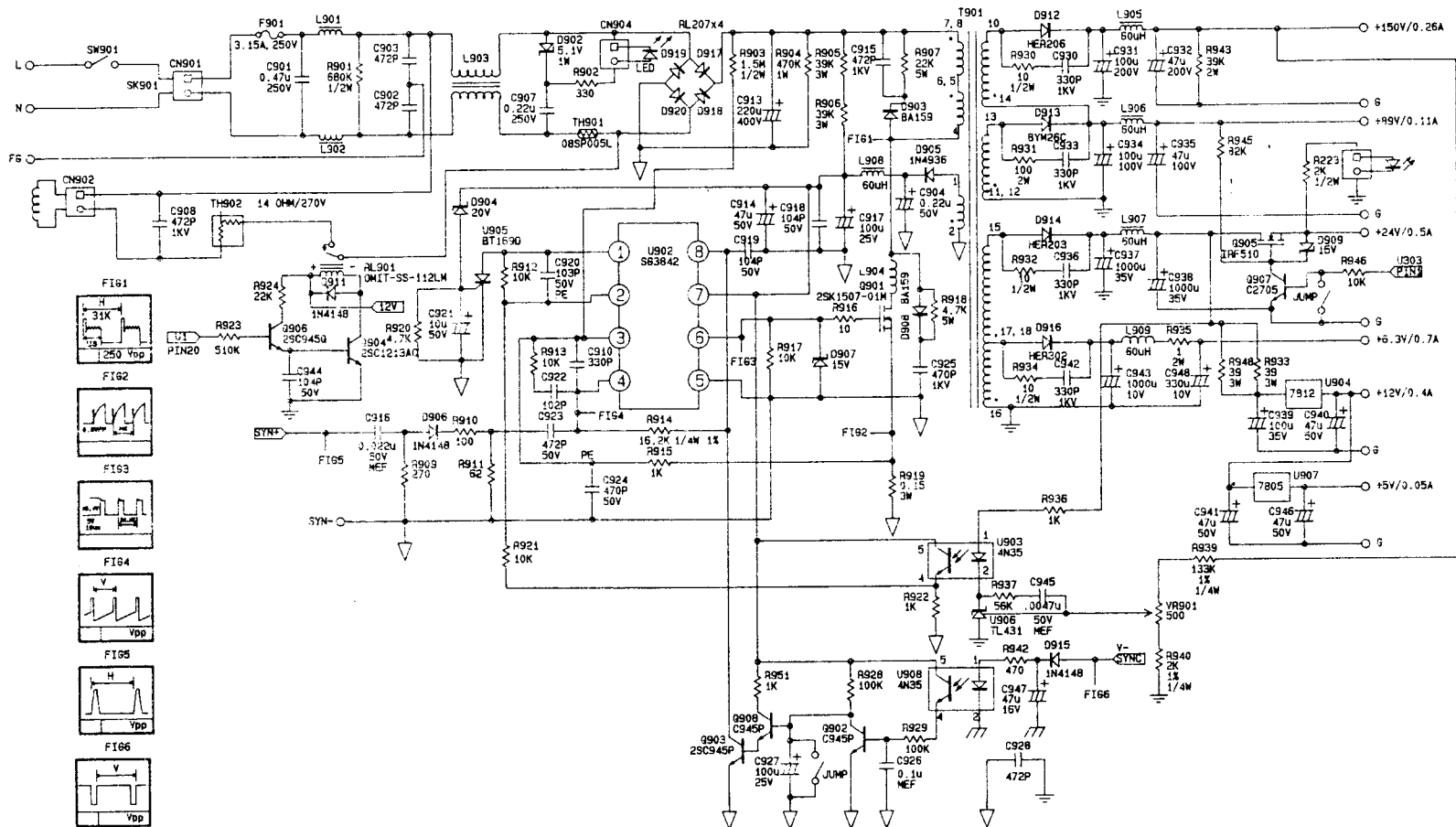


SD 6400121200021		2 OF 3
SD 6400121200007		
TITLE M1766PD MICRO-P SCHEMATIC		
SIZE B	DOCUMENT NUMBER	REV 03
DATE 1994/10/13		





SD 640012120021 SD 640012120007		2 OF 3
TITLE M1766PD MICRO-P SCHEMATIC		
SIZE B	DOCUMENT NUMBER	REV 03
DATE: 1994/10/13		



*UPDATE DESCRIPTION

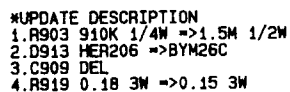
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2. D913 HER206 => BYM26C
3. C905 DEL
4. R915 0.18 3W => 0.15 3W

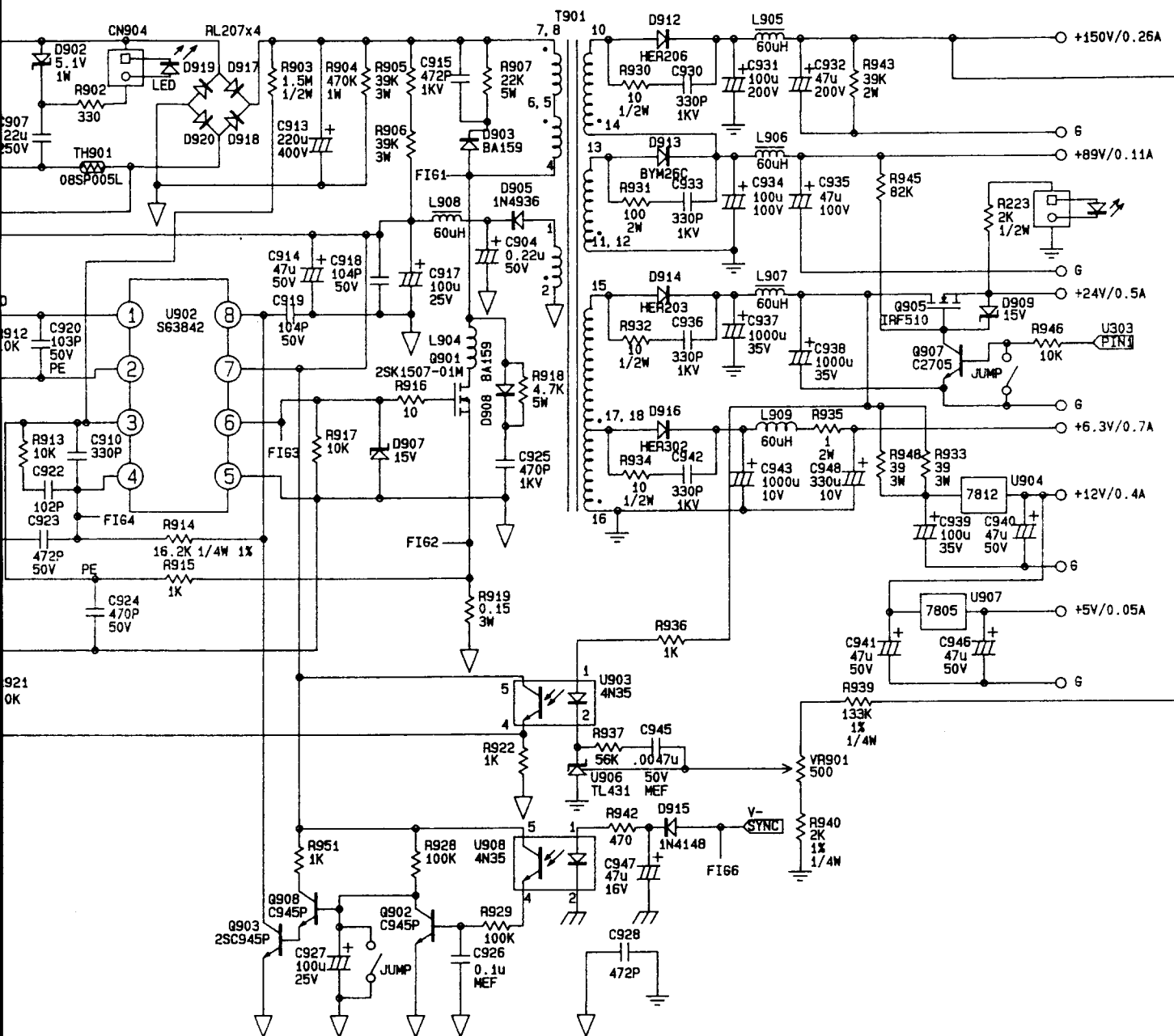
SD 640012120021 1 OF 3

TITLE M1766PO SMPS SCHEMATIC

SIZE B DOCUMENT NUMBER REV 03

DATE: 1995/01/17





SD 640012120021 1 OF 3		
TITLE M1766PD SMPS SCHEMATIC		
SIZE B	DOCUMENT NUMBER	REV 03
DATE: 1995/01/17		