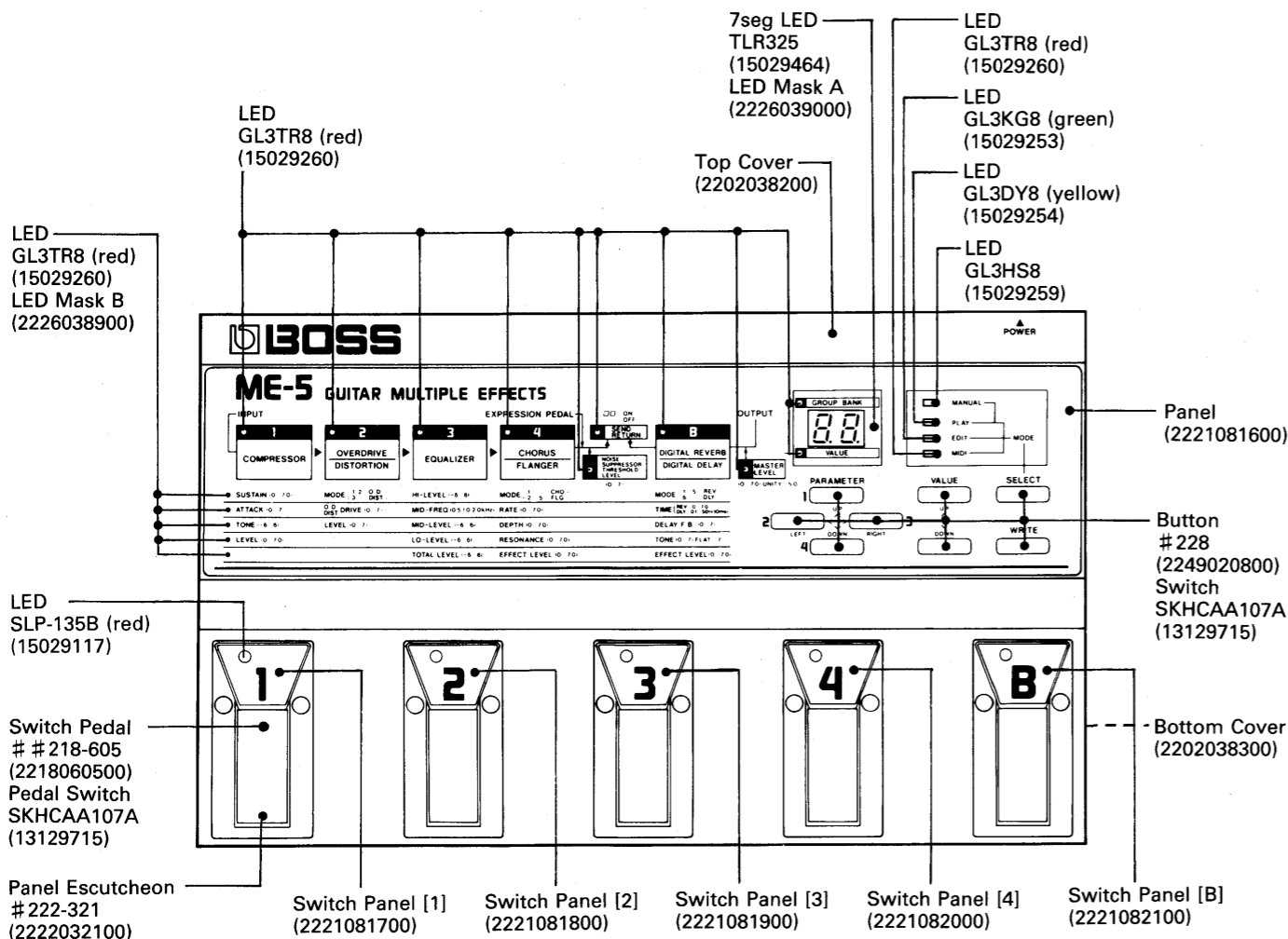
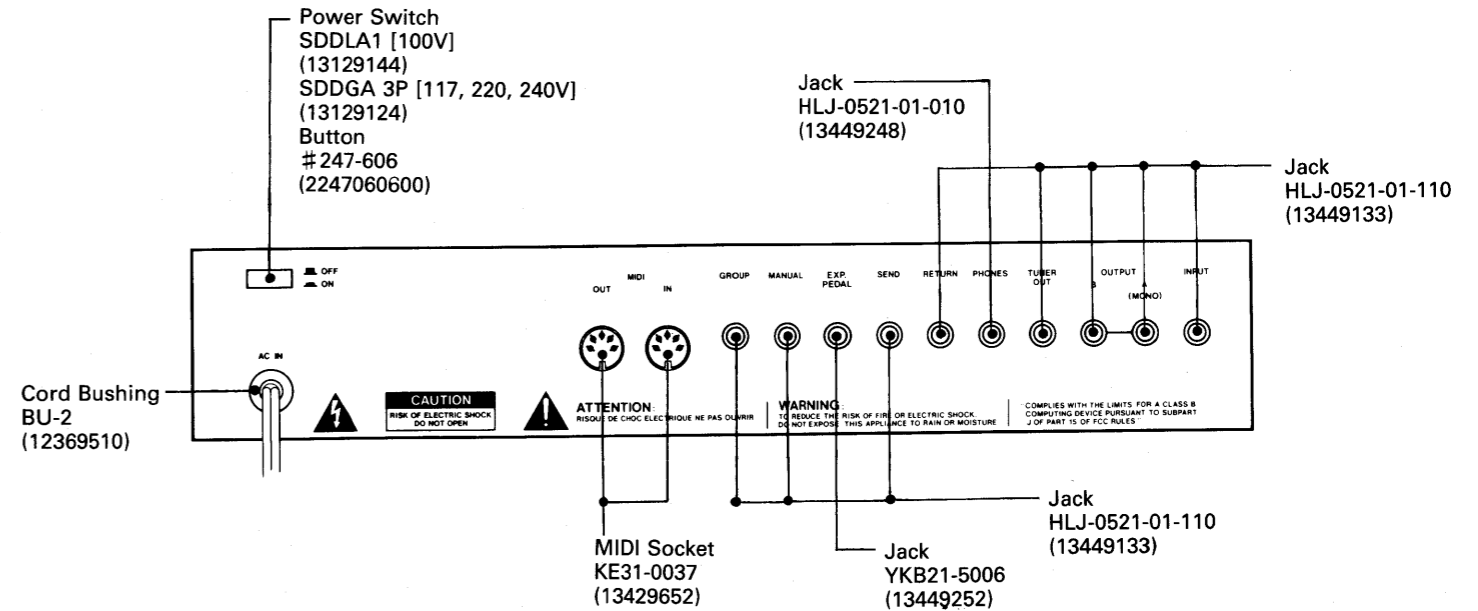


# BOSS ME-5 SERVICE NOTES

First Edition

## SPECIFICATIONS

Input Level/Impedance	.....	-20dBm/1MΩ
Output and Line Out	Level	-20dBm (Master Level=5.0)
	Impedance	2KΩ
	Load Impedance	Over 10KΩ
Effect Send	Output Level	-20dBm (Rated)
	Output Load Impedance	Over 10KΩ
Effect Return	Input Level	-20dBm (Rated)
	Load Impedance	47KΩ
Built-in Effects	.....	1. Compressor 6. Flanger
		2. Overdrive 7. Digital Reverb
		3. Distortion 8. Digital Delay
		4. Equalizer 9. Noise Suppressor
		5. Chorus
Memory Capacity	.....	64Patches
Edit	.....	25Parameters
Equalizer	High Level	±15dBm (10KHz)
	Middle Level	±15dBm (0.5/1.0/2.0KHz)
	Low Level	±15dBm (100Hz)
Digital Delay	.....	16bit D/A
	Delay Time	1 to 500ms
	Frequency Response	30Hz to 15kHz (±1/2dB)
Power Consumption	.....	12W
Dimensions	.....	350(W) × 66(H) × 212(D)mm
		13-3/4" × 2-5/8" × 8-3/16" (in.)
		(including rubber feet)
Weight	.....	3.0kg 6lb 10oz.
Options	Expression Pedal	EV-5, EV-10
	Footswitch	FS-5V, DP-2



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CHANGE INFORMATION

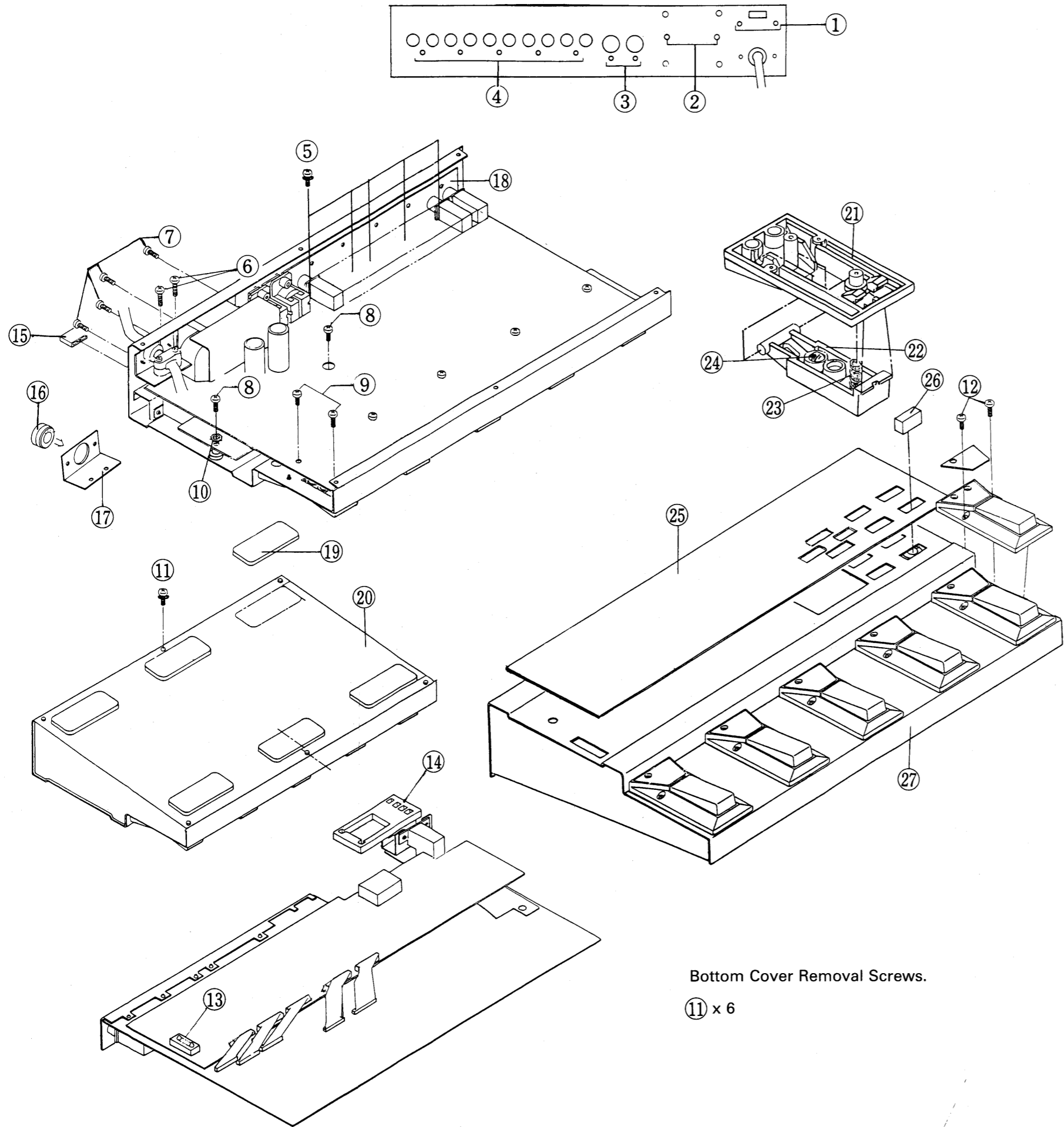
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EXPLODED/分解図



Bottom Cover Removal Screws.

⑪ x 6

分解図部品一覧

SCREWS		
1	3 x 8 mm Binding Tap-tight (self-Tapping) S Type FeBc x 2	
2	3 x 4 mm Binding Machine FeBc x 2	
3	3 x 8 mm Binding Tap-tight (self-Tapping) P Type FeBc x 2	
4	3 x 8 mm Binding Tap-tight (self-Tapping) S Type FeBc w/Tooth Washer x 5	
5	3 x 8 mm Binding Tap-tight (self-Tapping) S Type FeCm w/Tooth Washer x 5	
6	3 x 16 mm Binding Tapping B1 FeCm x 2	
7	3 x 8 mm Binding Tap-tight (self-Tapping) S Type FeBc x 4	
8	3 x 6 mm Binding Machine FeCm x 2	
10	External Tooth Washer	
11	8 mm Binding Tap-tight (self-Tapping) S Type FeBc w/Tooth Washer x 6	
12	8 mm Binding Tap-tight (self-Tapping) S Type FeBc x 10	
PARTS		
13	ME-5 LED Mask B	2226038900
14	ME-5 LED Mask A	2226039000
15	Button #247-606	2247060600
16	Cord Bushind BU-2	12369510
17	Cord Holder #219-784	2219078400
18	ME-5 Jack Holder #143	2220014300
19	Bottom Base #312	2235031200
20	ME-5 Bottom Cover	2202038300
21	Pedal Escutcheon #222-321	2222032100
22	Switch Pedal # #218-605	2218060500
23	Support Spring	2217010300
24	Rubber Foot #35	
25	ME-5 Panel	2221081600
26	ME-5 Button #288	2249020800
27	ME-5 Top Cover	2202038200

PARTS LIST

SAFETY PRECAUTIONS: The parts marked Δ have safety-related characteristics. Use only listed parts for replacement.

Table with columns for part number, description, and quantity. Includes items like ME-5 Top Cover, ME-5 Panel, and various switches.

Table with columns for part number, description, and quantity. Includes items like ME-5 Button #288, SKHCA107A, and SDDL1.

Table with columns for part number, description, and quantity. Includes items like HLJ-0521-01-110, HLJ-0521-01-010, and YKB21-5006.

Table with columns for part number, description, and quantity. Includes ME-5 Power Transformer #245-503 Type N and #245-504 Type D.

Table with columns for part number, description, and quantity. Includes TC9156AP, TC4051BP, and various ICs like CPU HD63801Y0BxxF BOS-0013.

PC4570A and M5218L are electrically compatible with each other but differ in the number of pins. When replacing, correctly position the IC as shown in the figure below.

PC4570A (9 pin) and M5218L (8 pin) はピン数が違いがありますが、互換性があります。取付時には下図を参照のうえピンを合わせて下さい。

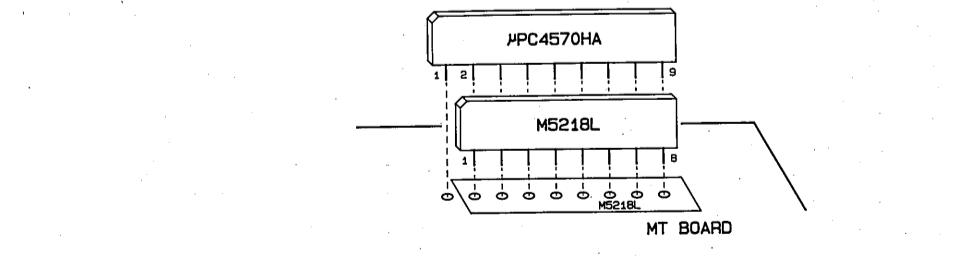
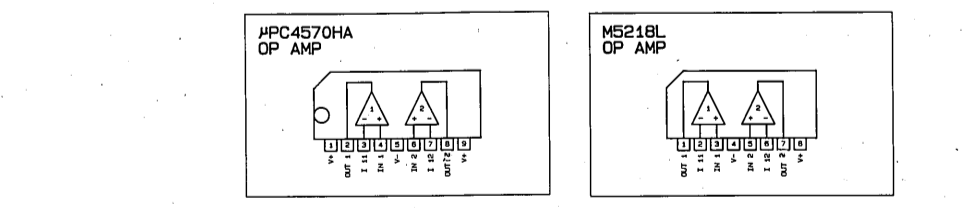


Table listing parts like NJM311D, TC4066BP, and MN3007 with their descriptions and quantities.

Table listing transistors like 2SD1406-0, 2SB1015-0, and 2SA1048GR with their descriptions and quantities.

Table listing diodes and photo couplers like TLR325, GL3TR8, and 1S188FM with their descriptions and quantities.

Table listing resistors like RGSD8X103J, RSGD8X105J, and FRN1/4 4.7 ohm with their descriptions and quantities.

Table listing potentiometers like EVN-SACA00B14, EVN-SACA00B24, and EVN-SACA00B15 with their descriptions and quantities.

Table listing capacitors like DE7150F472MVA1 4700PF and CST-8.00 with their descriptions and quantities.

Table listing fuses like T-GGS 1A, SGC-1A, and CEE-1AT with their descriptions and quantities.

Table listing AC cords and cord sets like VFF2.5m, SGT #18 2P, and P-2115 ES-206 2.5m with their descriptions and quantities.

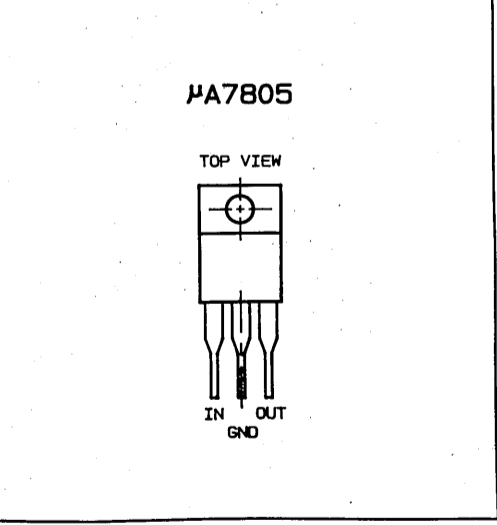
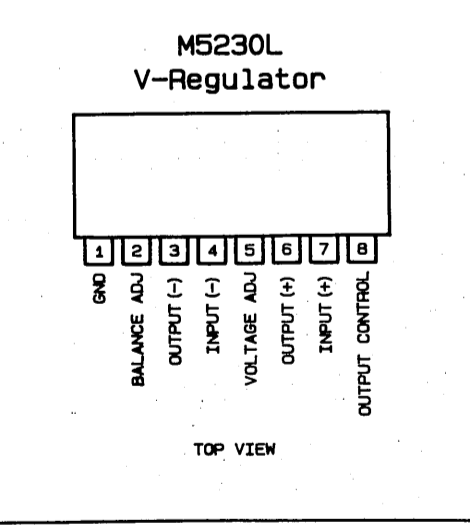
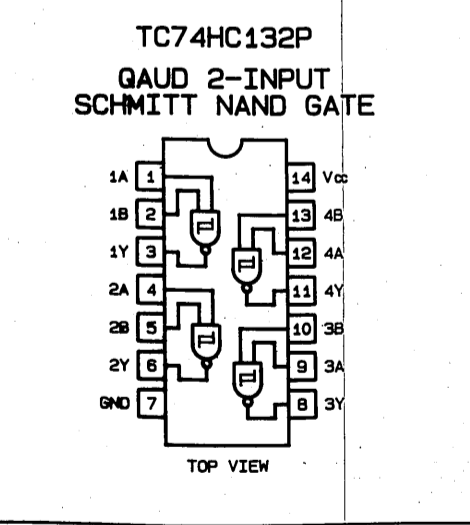
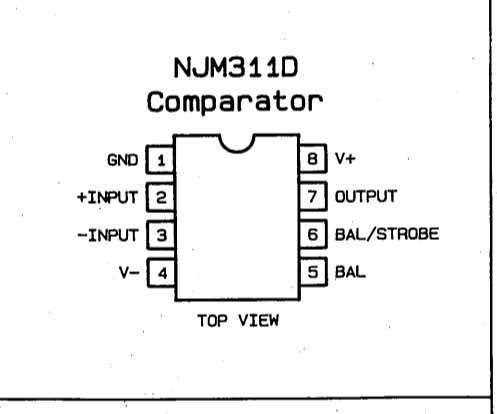
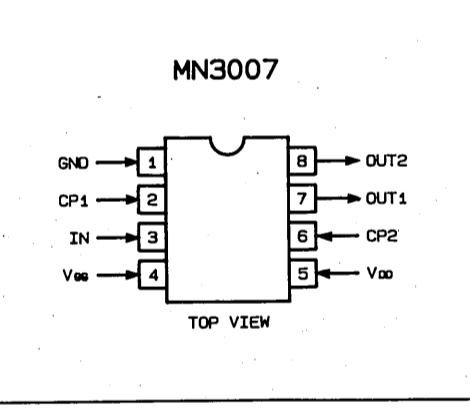
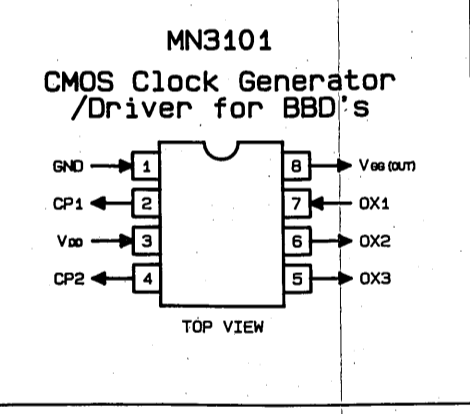
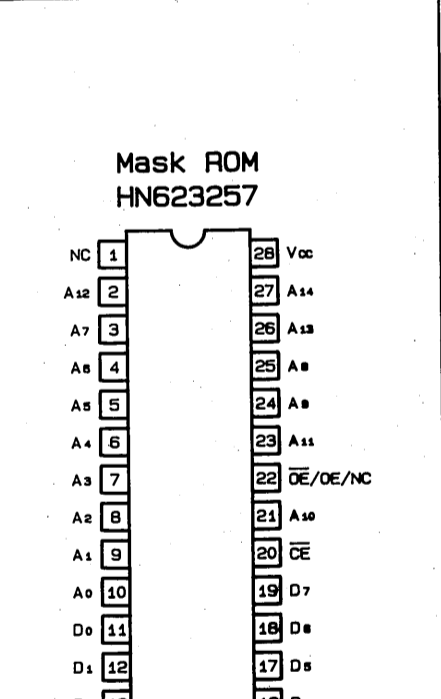
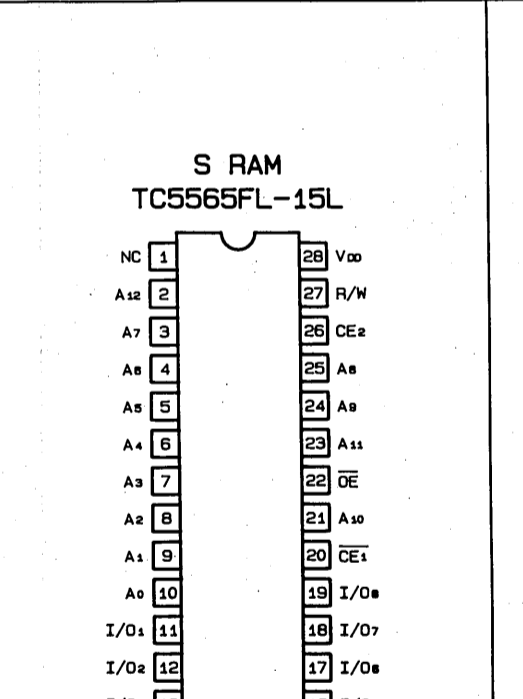
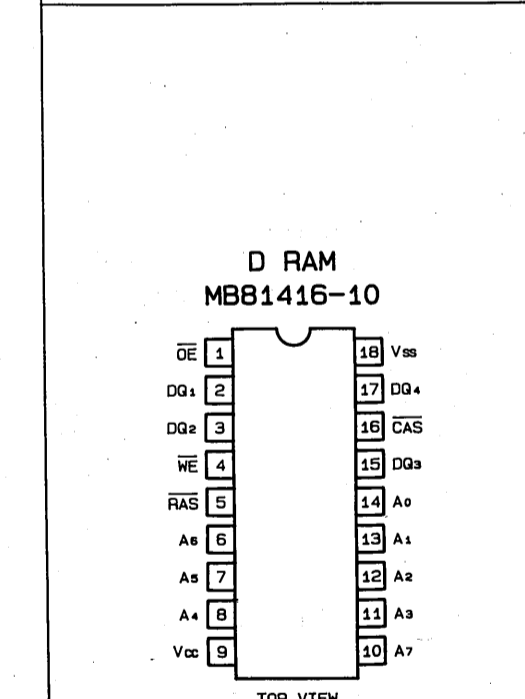
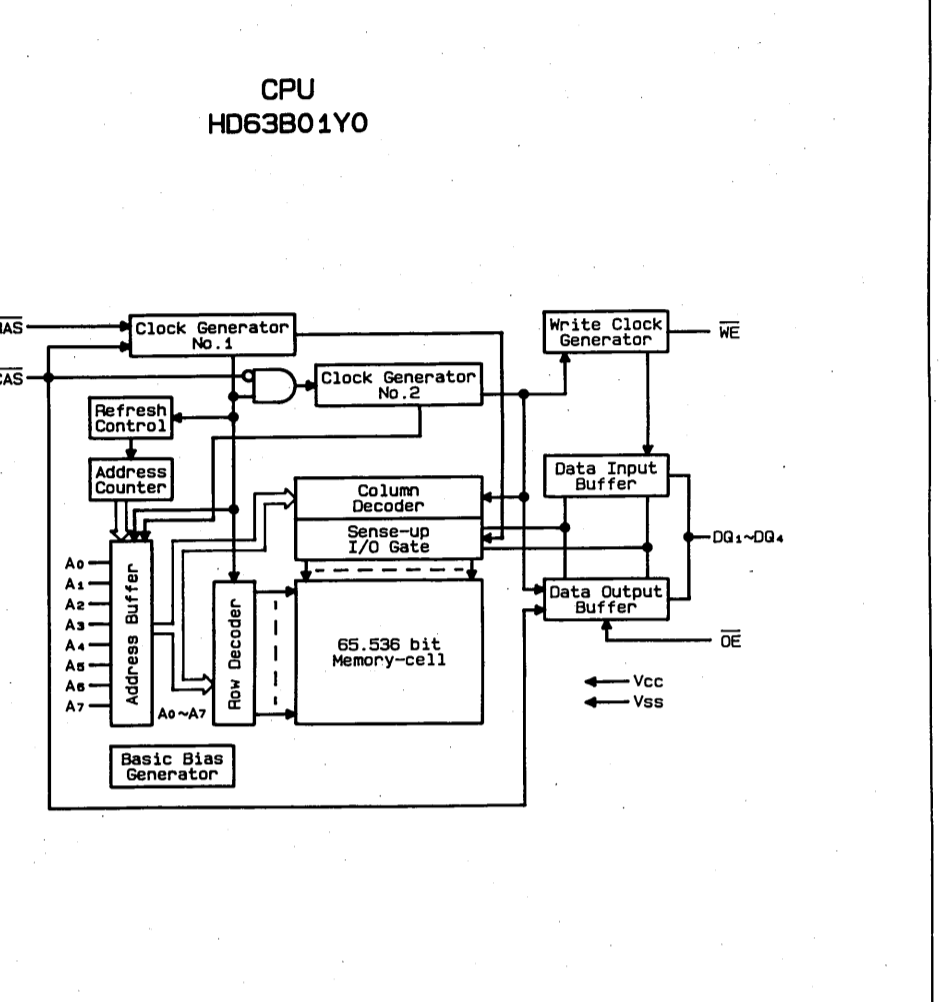
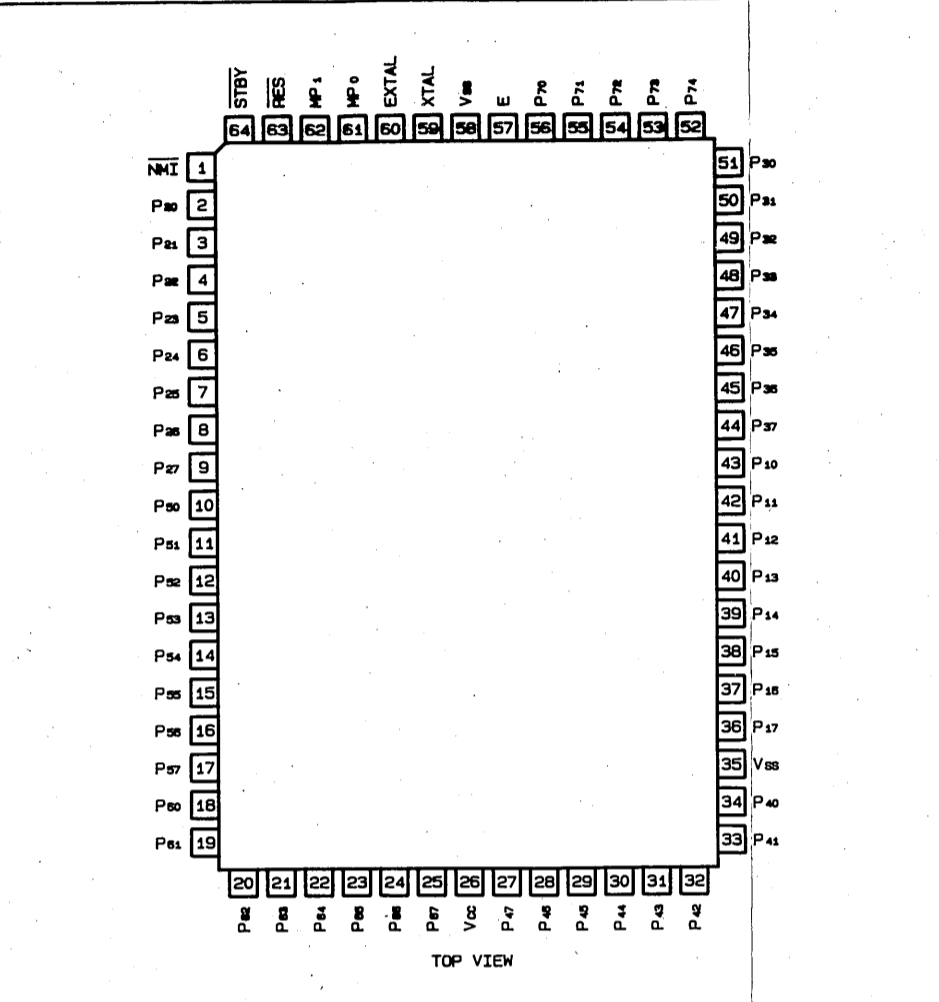
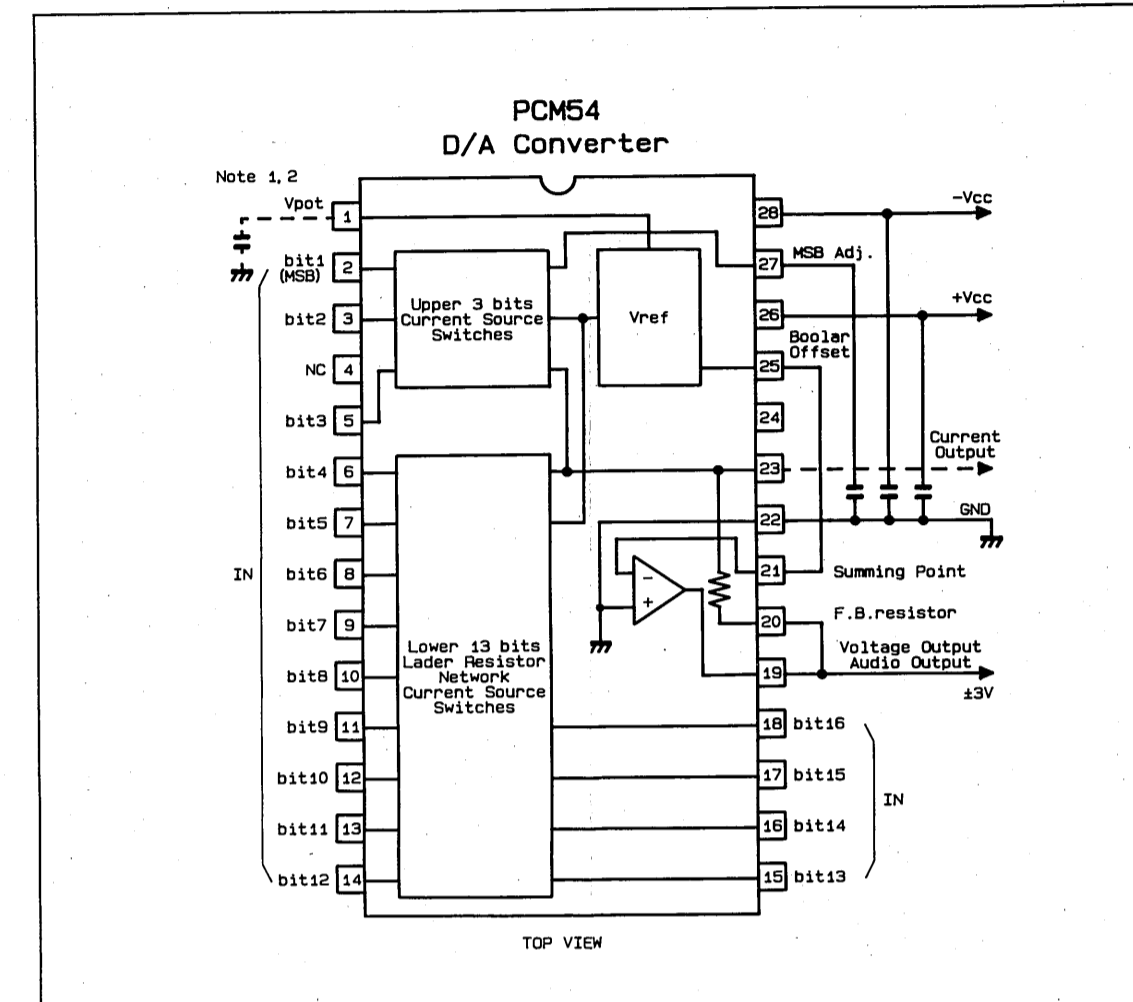
Table listing coils like FK0B160MH15 with their descriptions and quantities.

Table listing PCBs like MT Board (pcb 2292055800), MT Board (pcb 2292055800), and DISPLAY Board (pcb 2292055700) with their descriptions and quantities.

Table listing connectors like Connector #430 IL-Y-15P-S15T2-EF, Connector #431 IL-Y-12P-S12T2-EF, and Wiring Assy #606 15P 1.5mm Pitch with their descriptions and quantities.

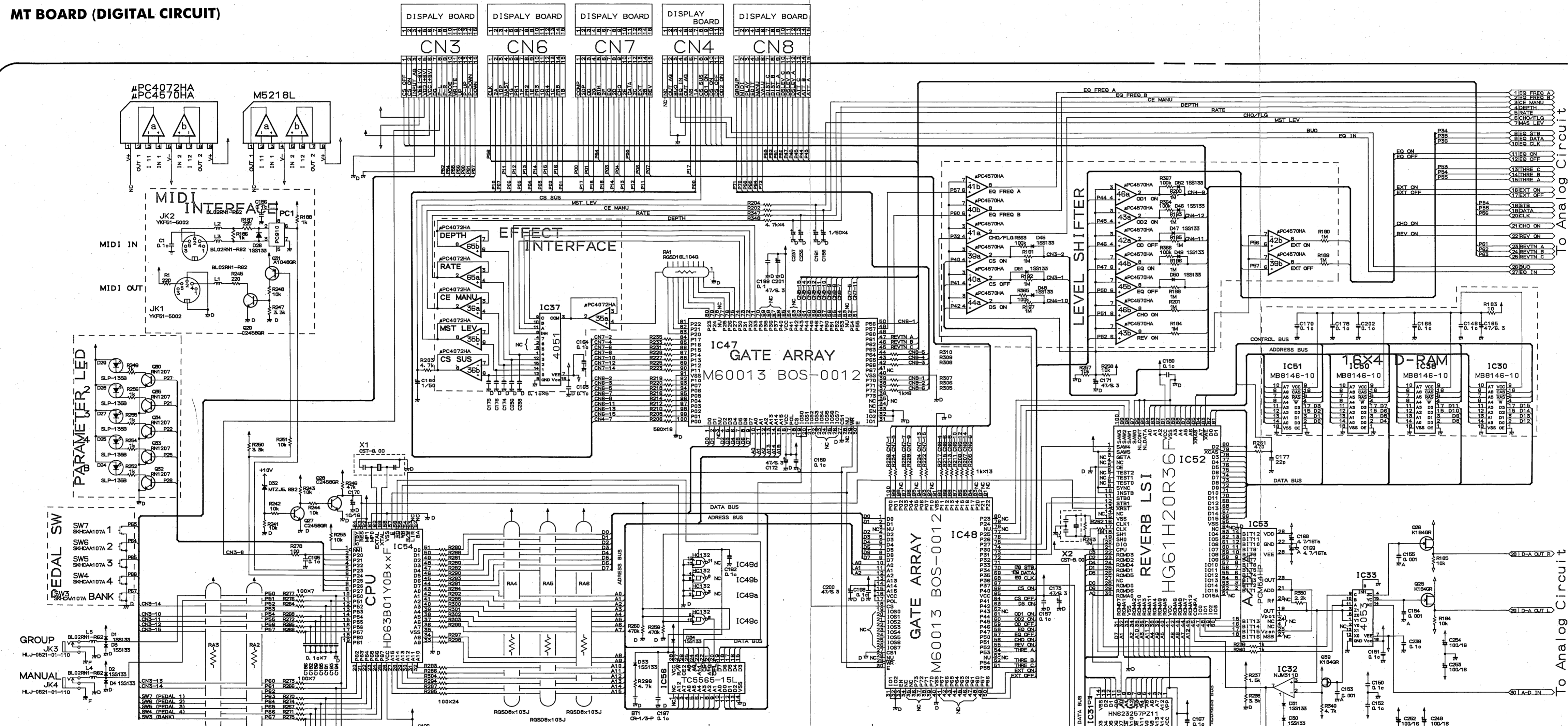
Table listing miscellaneous parts like H0446, WF-22, CR-1/3-P 3V, and WLS-08-0 with their descriptions and quantities.

IC DATA



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

MT BOARD (DIGITAL CIRCUIT)



To Analog Circuit

To Analog Circuit

ME-5 MT BOARD (DIGITAL CIRCUIT)  
100V 7524556100  
117V 7524556200  
220/240V 7524556400

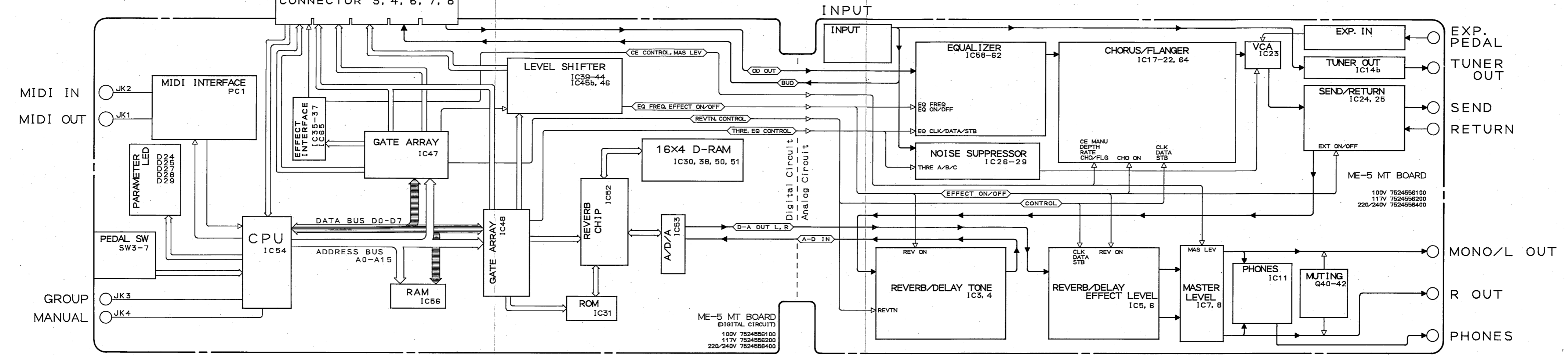
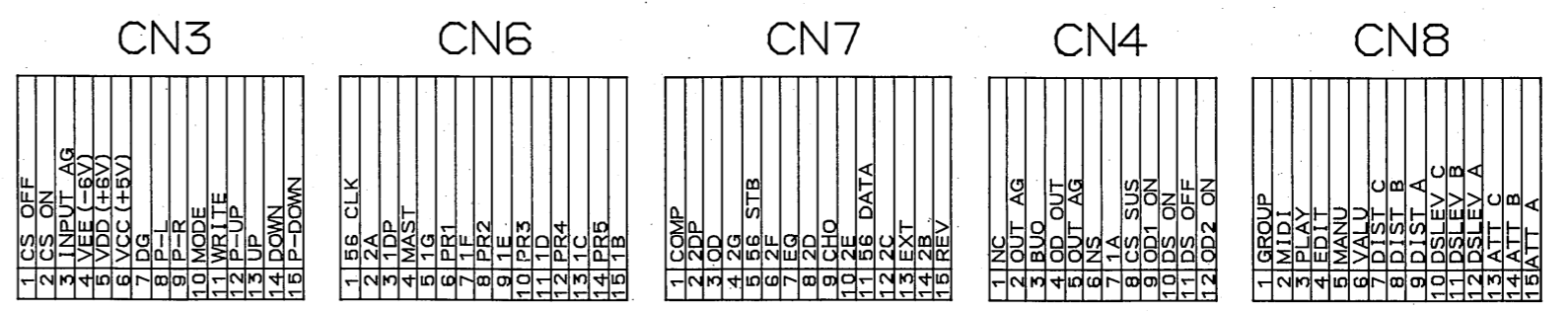
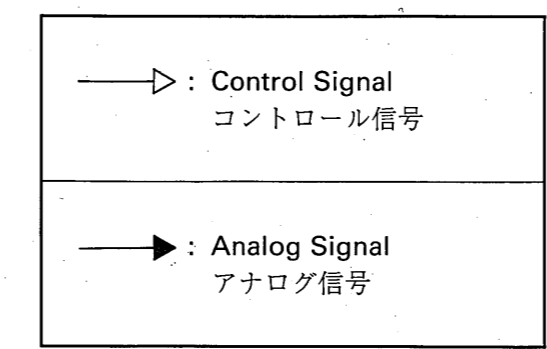
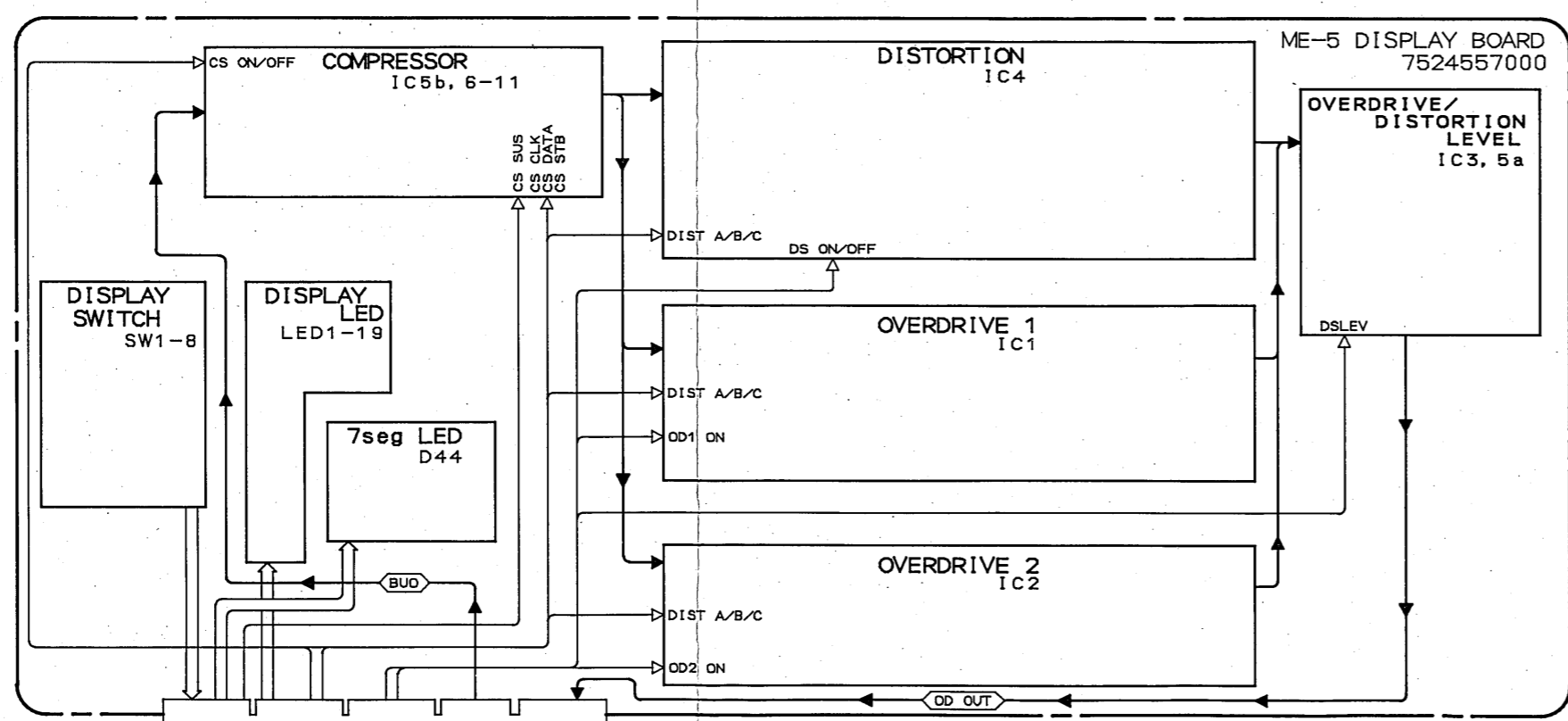
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

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**BLOCK DIAGRAM**

**DISPLAY BOARD**



**MT BOARD (DIGITAL CIRCUIT)**

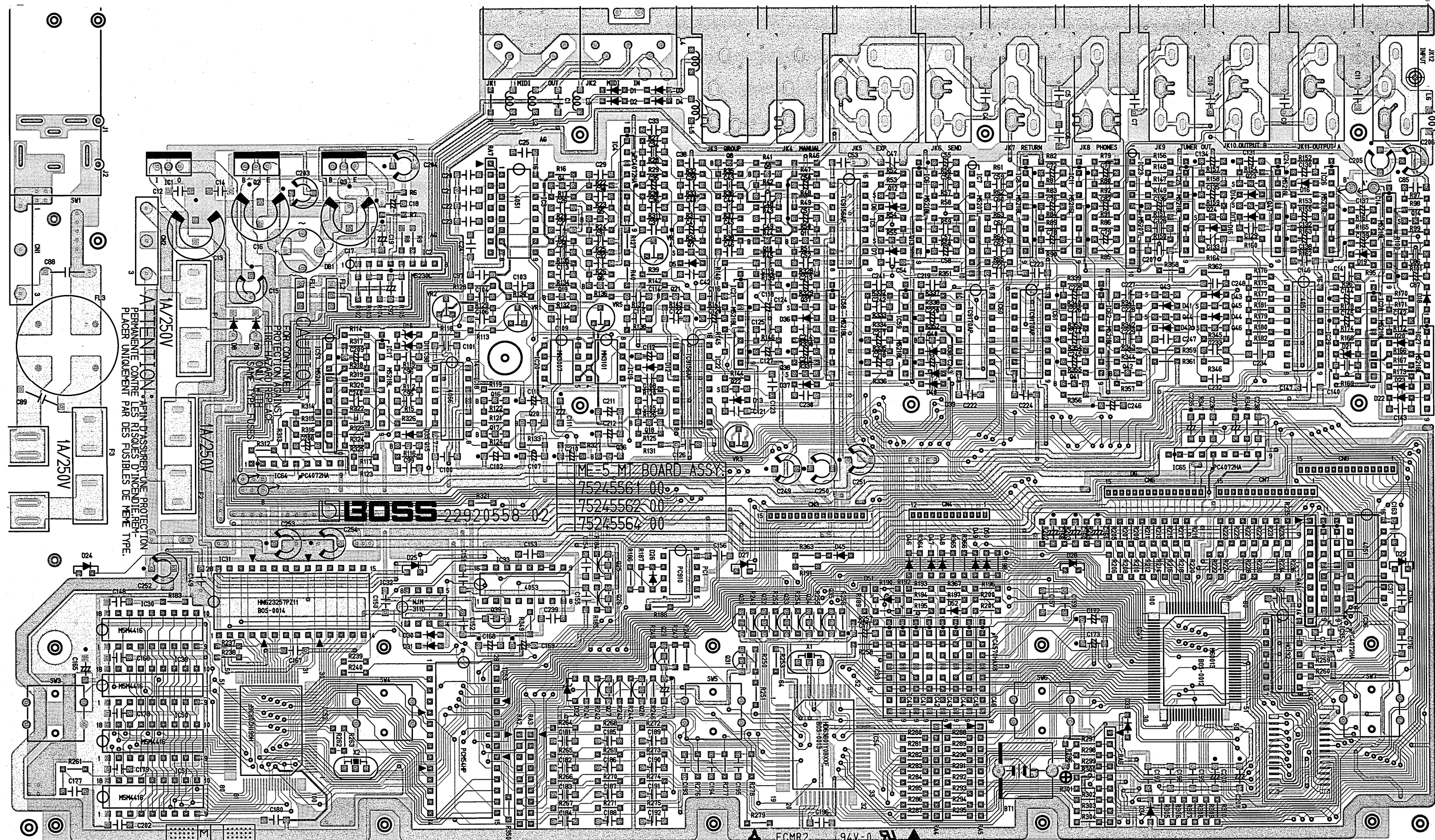
**MT BOARD (ANALOG CIRCUIT)**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

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**MT BOARD**

Assy	7524556100	100V
	7524556200	117V
	7524556400	220/240V
	(pcb 2292055800)	



**ADVARSEL!**  
Lithiumbatteri. Eksplosionsfare. Udskitning må kun foretages af en sagkyndig, og som beskrevet i servicemanual.

Lithium batteri må kun udskiftes med samme type og fabrikat.

**ADVARSEL!**  
Lithiumbatteri. Fare for eksplosion. Må bare skiftes af kvalificeret tekniker som beskrevet i servicemanualen.

Lithium batteri må kun udskiftes med samme type og fabrikat.

**WARNING!**  
Lithiumbatteri. Explosionsrisk. Får endast bytas av behörig servicetekniker. Se instruktioner i servicemanualen.

Lithium batten får endast ersättas med samma typ och fabrikat.

**VAROITUS!**  
Lithiumparisto. Räjähdysovaara. Pariston saa vaihtaa ainoastaan alan ammottimies.

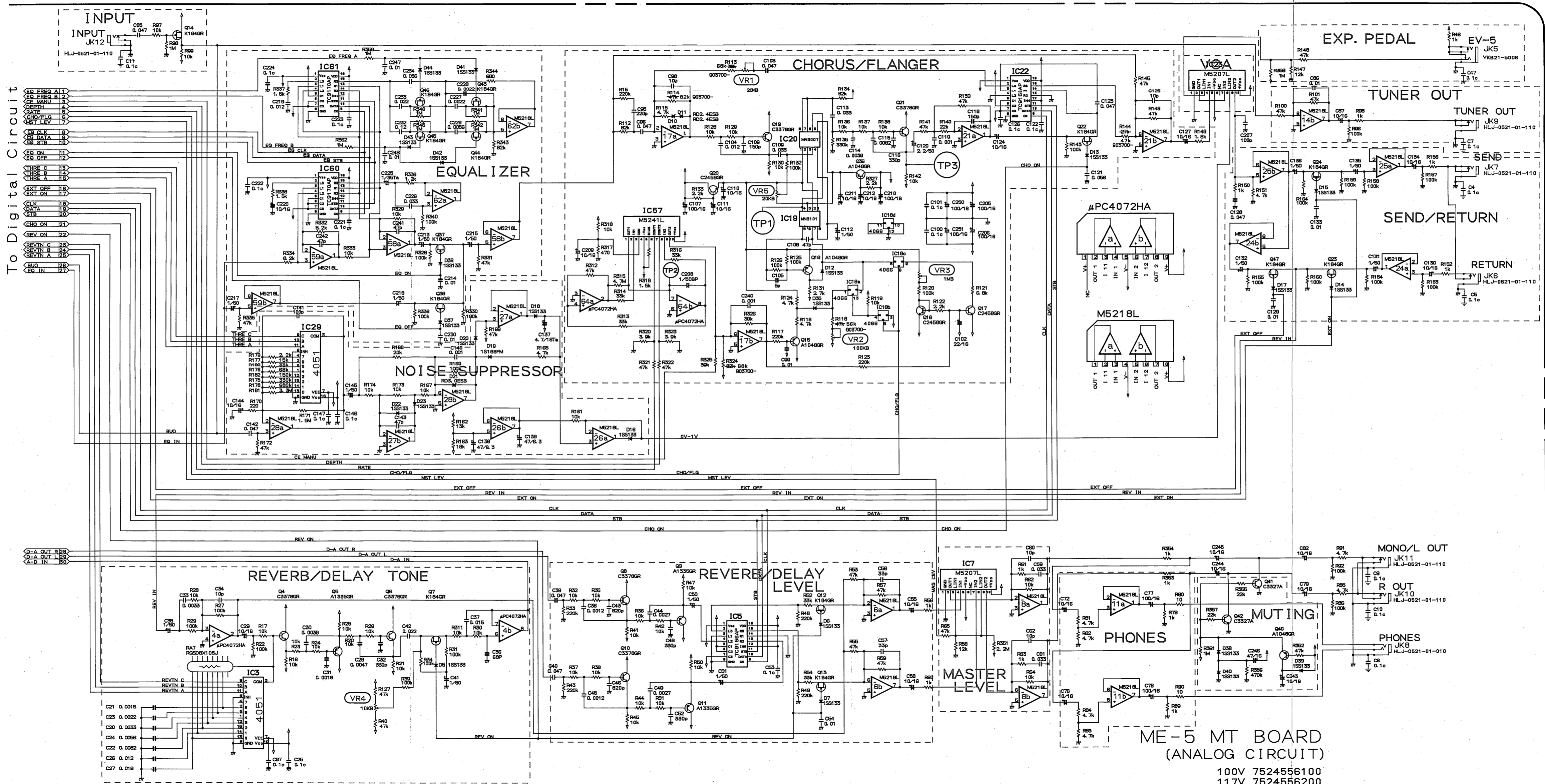
Kun vaihat lithium pariston KÄYTÄ saman valmistajan samaa tyyppiä.

View from Component Side

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

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MT BOARD (ANALOG CIRCUIT)

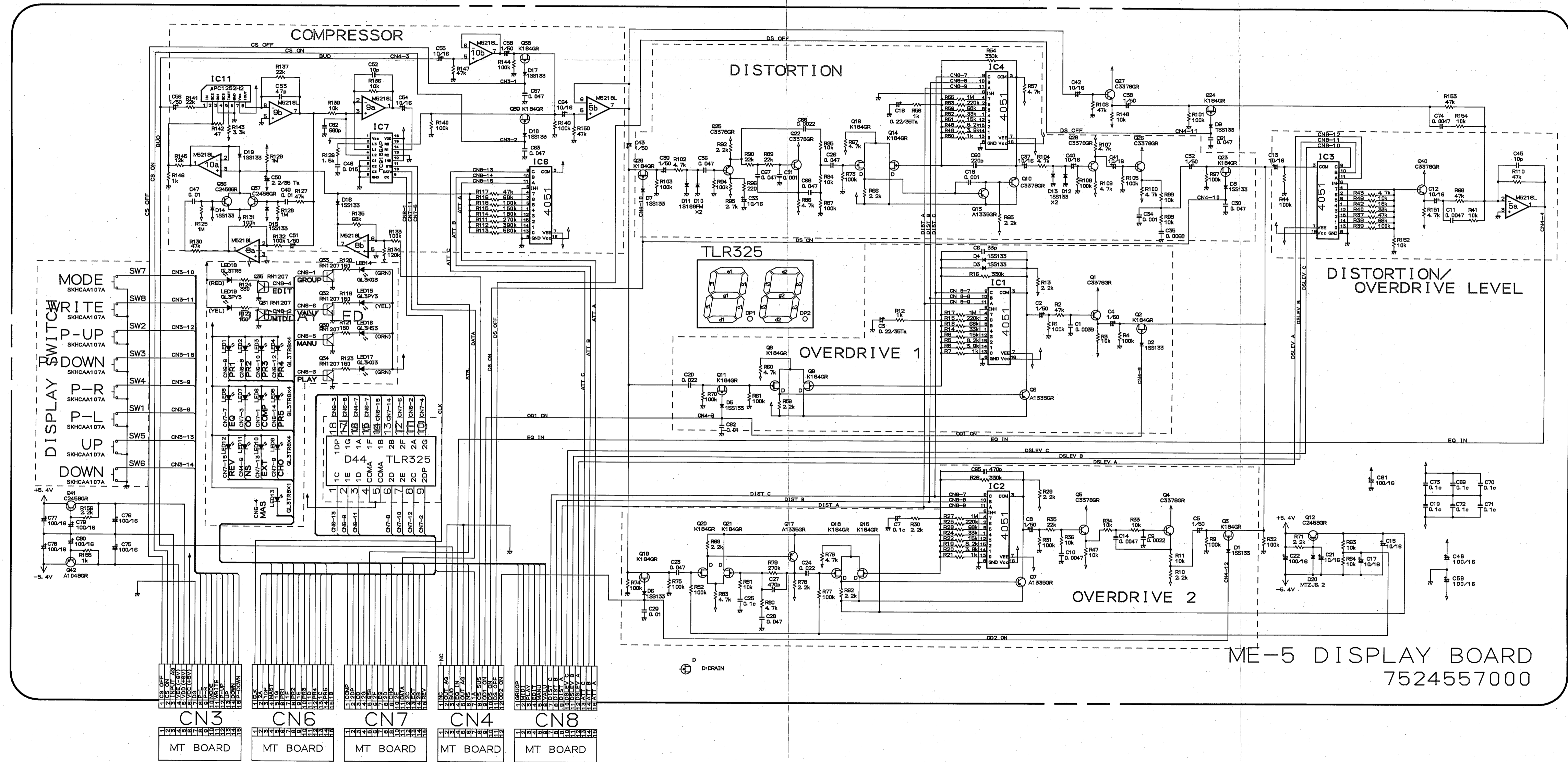


ME-5 MT BOARD  
(ANALOG CIRCUIT)  
100V 7524556100  
117V 7524556200  
220/240V 7524556400

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

DISPLAY BOARD



ME-5 DISPLAY BOARD  
7524557000