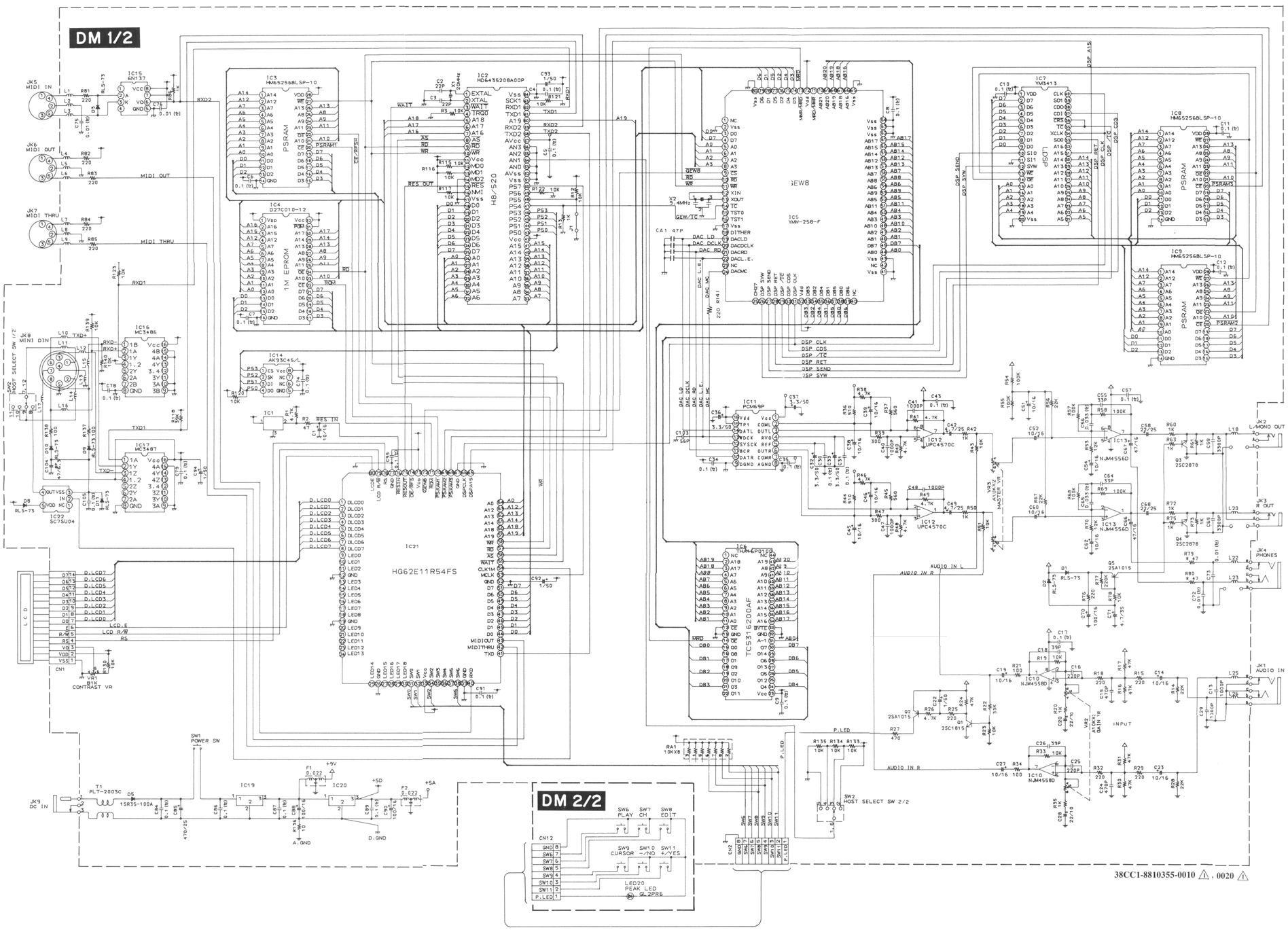
■TG100 OVERALL CIRCUIT DIAGRAM（総回路図）



Notes)

Circuit Board:	DM (VM755500) XK170D0
1. IC	
IC 1:	PST518B-2 (IG116200) SYSTEM RESET
IC 2:	HD6435208A00P (XK278A00) CPU <HB/520>
IC 3,8,9:	HM65256BLSP-10 (XK358A00) PSRAM 256K
IC 4:	068V110 (XK731C00) EPROM 1M
IC 5:	YMW258-F (XJ427A00) GEW8
IC 6:	HN624116PC20 (XK992A00) ROM 16M
IC 7:	YM3413 (XE449A00) LDSP
IC10:	RC4558DV (IG001390) OP AMP.
IC11:	PCM69P-C (XJ429A00) DAC
IC12:	μPC4570C (XC520A00) OP AMP.
IC13:	NJM4556 (IG042500) OP AMP.
IC14:	AK93C45 (XK361A00) ROM 1K
IC16:	MC3486 (XB016A00) LINE RECEIVER
IC17:	MC3487 (XB015A00) LINE DRIVER
IC19:	NJM78M09FA (XJ141A00) REGULAROE 9V
IC20:	NJM78M05FA (XF740A00) REGULATOR 5V
IC21:	HG62E11R54FS (XK462A00) GATE ARRAY
IC22:	SC7SU04FER (XI348A00) INVERTER
2. Photo Coupler IC15:	6N137 (VD473200)
3. Transistor	
Q 1:	2SC1815 Y,GR (IC1815M0)
Q 2,5:	2SA1015 O,Y (IA101590)
Q 3,4:	2SC2878 A,B (IC287820)
4. Diode	
D 1～3,8～11:	RLS-73 (VB797600)
D 5:	1SR35-100A (VE170000)
5. LED	
LED20:	GL2PR6 RE (VH325200) PEAK
6. Resistor Array	
RA 1:	RGLE8X103J (VF771900) 10KX8
7. Variable Resistor	
VR 1:	B1.0K RK09K111 (VM755200) CONTRAST
VR 2:	C10K × 2 RK097121 (VM755300) MASTER VOLUME
VR 3:	A10K × 2 RK097122 (VM778800) INPUT
8. Electrolytic Cap. C85:	470μF 16.0V (UJ838470)
9. EMI Filter	
T 1:	PLT2003C (VG238200)
F 1,2:	LS MT Y223NE 0.022 (FZ006970)
10. Coil L 1～18,20,22, 23,25,26:	FL5R200QNT 20μ (VB835000)
11. Ceramic Cap. Array CA1:	47P 50V Z (VI644200) EXF-P8470MW
12. Ceramic Resonator X 2:	9.4MHz CST9.4MTW (VJ338000)
13. Quartz Crystal Unit X 1:	20.0MHz AT-49 (VI927300)
14. Push Switch	
SW 1:	SPUN19-2N-W (VN121000) POWER
SW 6～11:	SKHHPP (VN121700) PLAY,PART,EDIT,CURSOR, −/NO, +1/YES
15. Slide Switch SW 2:	SSSF124-S06N-0 (VN210700) HOST SELECT
16. DIN Jack	
JK 5～7:	YKF51-5046 X3 (VI466400) MIDI (IN,OUT,THRU)
JK 8:	8P MD-S810-90 (VM761000) TO HOST
17. Phone Jack	
JK 1,4:	JM35A ST MINI (LB301640) PHONES,AUDIO IN
JK 2,3:	HLJ0521 MONO (LB202330) LINE OUT (L/MONO,R)
18. DC-IN Connector JK 9:	HEC230501-050 (VC664500) DC IN
19. LED Holder	VM(826200) LED20
20. Jumper Wire J 1:	chip resistor＝0 ohm