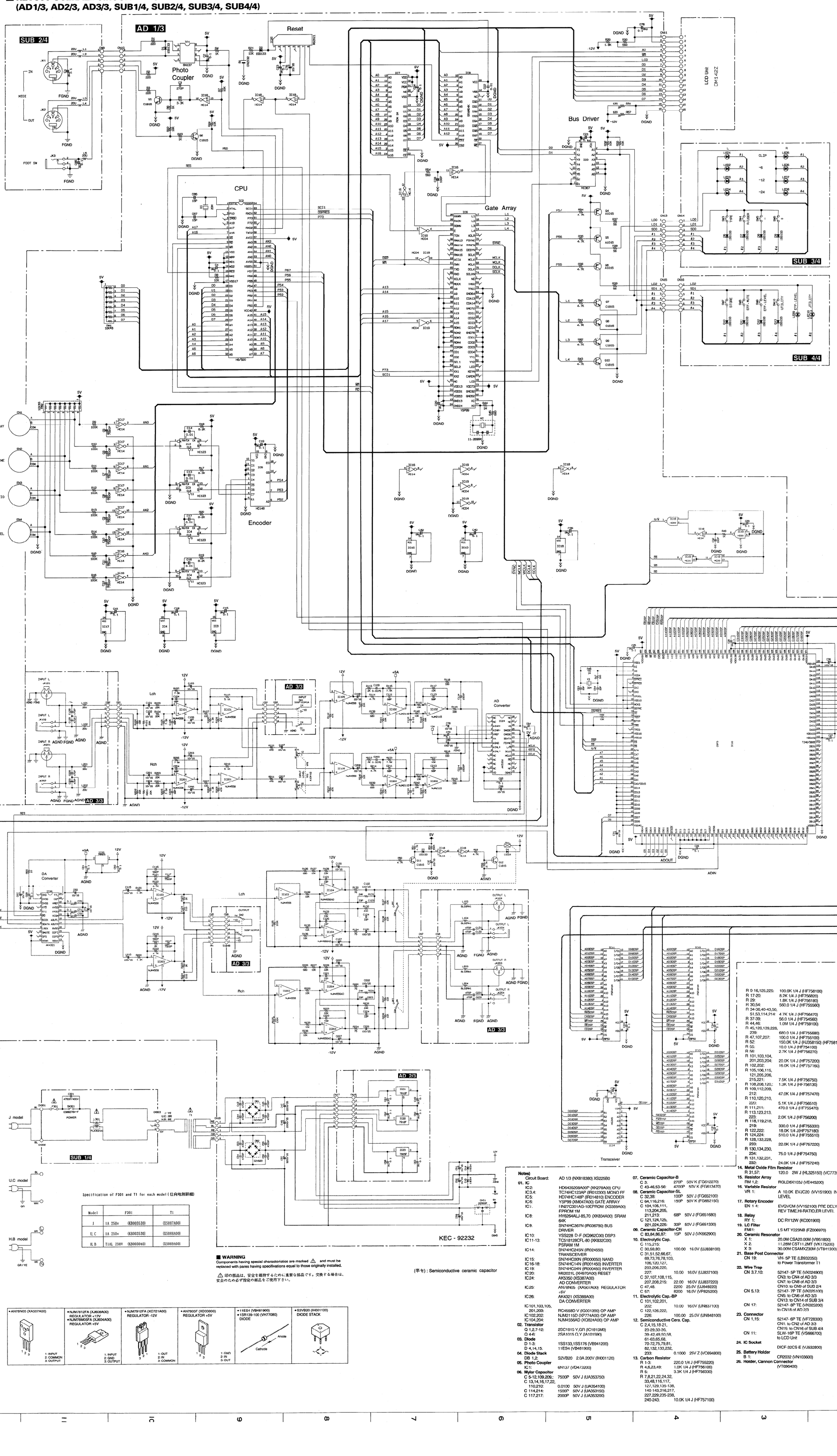
11347

■ REV500 OVERALL CIRCUIT DIAGRAM
(AD1/3, AD2/3, AD3/3, SUB1/4, SUB2/4, SUB3/4, SUB4/4)



Notes)
Circuit Board: SUB 2/4 (NX818430) XS226B0
1. **Semiconductive Cera. Cap.**
C 1,05: 0.1000 25V Z (VC094600)
2. **Coil**
L 1-5: FL5R200QNT (VB835000)
3. **Phone Jack**
JK 3: HLJ7101-01- (VS056400) FOOT SW
4. **DIN Connector**
JK 1,2: 5P TCS4650-01-4151 (LB500590) MIDI IN,MIDI OUT
5. **Cable Holder**
CN 9: 51049- 5P TE (VI878300) to CN10 of AD 1/3
6. **DIN Socket Holder** (VF892000)
7. **Jumper Wire** FVP-2.0C26SB5 100 ( ) (VU07290)

Notes)
Circuit Board: SUB 3/4 (NX818440) XS226B0
1. **Diode** D 6-9: 1SS133,1SS176 (VB941200)
2. **LED** LED 2-4,6-8: SLZ-235B-08-T1 GH (VU091400) -4, -6, -24(L,R)
LED 1,5: SLZ-135B-08-T1 RE (VT838500) CLIP(L,R)
3. **Touch Switch** SW 3-6: EVQ 22C 05B (VT513600) PROGRAM(TYPE,PRESET/USER, NUMBER -,+)
4. **Cable Holder** CN 14: 51048- 7P TE (VI878500) to CN13 of AD 1/3
5. **Jumper Wire** FVP-2.0C26SB7-100 (--) (VV15350) (VM600000)

Notes)
Circuit Board: SUB 4/4 (NX818450) XS226B0
1. **Diode** D 10-13: 1SS133,1SS176 (VB941200)
2. **LED** LED 9,10: SLZ-135B-08-T1 RE (VT838500) EFF LEVEL,UTILITY
3. **Touch Switch** SW 7-10: EVQ 22C 05B (VT513600) STORE,AUDITION,EFF LEVEL, UTILITY
4. **Cable Holder** CN 16: 51048- 6P TE (VI878400) to CN15 of AD 1/3
5. **Jumper Wire** FVP-2.0C26SB6-100 (--) (VV15340)

Notes)
Circuit Board: AD 2/3 (NX818390) XS225B0
1. **IC**
IC21: NJM7812FA (XJ608A00) REGULATOR +12V
IC22: NJM7912FA (XC721A00) REGULATOR -12V
IC23: AN7805F (XD338A00) REGULATOR +5V
2. **Semiconductive Cera. Cap.**
C 49,50,58,61-63: 0.1000 25V Z (VC094600)
3. **Cable Holder**
CN 18: 51048- 8P TE (VI878600) to CN17 of AD 1/3
4. **Jumper Wire** FVP=2.0C26SB8-100 (--) (VV15380)

Notes)
Circuit Board: AD 3/3 (NX818400) XS225B0
1. **Ceramic Capacitor B**
C 128-131, 228-231: 470P 50V K (FG612470)
2. **Coil**
L 101,102,201, 202: FL5R200QNT (VB835000)
3. **Ferrite Bead**
L 103,104,203, 204: BL02RN1-R62T4 (GE300610)
4. **Slide Switch**
SW 1,2: SSSF12341A (VP799800) -10dB/+4dB
5. **Phone Jack**
JK 102,104,202, 204: HLJ7001-01- (VS056300) INPUT,OUTPUT
6. **XLM Connector**
JK 101,201: NC3FAH1 (VT838100) INPUT L,R
JK 103,203: NC3MAH1 (VS133700) OUTPUT L,R
7. **Cable Holder**
CN 2: 51048- 6P TE (VI878400) to CN1 of AD /3
CN 4,8: 51048- 5P TE (VI878300) CN4: to CN3 of AD 1/3 CN8: to CN7 of AD 1/3
CN 6: 51048- 7P TE (VI878500) to CN5 AD 1/3
8. **Jumper Wire** FVP=2.0C26SB5-100 (--) (VU07290) FVP=2.0C26SB6-100 (--) (VV15340) FVP=2.0C26SB7-100 (--) (VV15350)

Notes)
Circuit Board: AD 1/3 (NX818380) XS225B0
01. **IC**
IC2: HD6435208A00P (XK278A00) CPU
IC3,4: TC74HC123AP (IR012300) MONO FF
IC5: HD74HC148P (IR014810) ENCODER
IC6: YSP99 (XM047A00) GATE ARRAY
IC7. I IN27C301AG-10EPROM (XG389A00) EPROM 1M
IC8: HY6264ALJ-85,70 (XK834A00) SRAM 64K
IC9: SN74HC367N (IR036750) BUS DRIVER
IC10: YSS228 D-F (XQ962C00) DSP3
IC11-13: TC518128CFL-80 (XK832C00) PSRAM 1M
IC14: SN74HC245N (IR024550) TRANSCEIVER
IC15: SN74HC00N (IR000050) NAND
IC16-18: SN74HC14N (IR001450) INVERTER
IC19: SN74HC04N (IR000450) INVERTER
IC20: M62021L (XH970A00) RESET
IC24: AK5350 (XS387A00) AD CONVERTER
IC25: AN78N05 (XA507A00) REGULATOR +5V
IC26: AK4321 (XS388A00) DA CONVERTER
IC101,103,105, 201,203: RC4558D V (IG001300) OP AMP
IC102,202: NJM2115D (XP774A00) OP AMP
IC104,204: NJM4556AD (XQ824A00) OP AMP
02. **Transistor**
Q 1,2,7-12: 2SC1815 Y,GR (IC1815M0)
Q 4-6: 2SA1015 O,Y (IA101590)
03. **Diode**
D 1-3: 1SS133,1SS176 (VB941200)
D 4,14,15: 11ES4 (VB481900)
04. **Diode Stack**
DB 1,2: S2VB20 2.0A 200V (IH001120)
05. **Photo Coupler**
IC1: 6N137 (VD473200)
06. **Mylar Capacitor**
C 5-12,109,209,: 7500P 50V J (UA353750)
C 13,14,16,17,22, 110,210: 0.0100 50V J (UA354100)
C 114,214: 1500P 50V J (UA353150)
C 117,217: 2000P 50V J (UA353200)
07. **Ceramic Capacitor-B**
C 3: 270P 50V K (FG612270)
C 43-46,53-56: 4700P 50V K (FG613470)
08. **Ceramic Capacitor-SL**
C 32,38: 100P 50V J (FG652100)
C 64,116,216: 150P 50V K (FG652150)
C 104,105,111, 113,204,205, 211,213: 68P 50V J (FG651680)
C 121,124,125, 221,224,225: 33P 50V J (FG651330)
09. **Ceramic Capacitor-CH**
C 83,84,86,87: 15P 50V J (VK662900)
10. **Electrolytic Cap.**
C 115,215: 100.00 16.0V (UJ838100)
C 30,59,80: C 31,51,52,66,67, 69,73,76,78,103, 105,120,127, 203,206,220, 227: 10.00 16.0V (UJ837100)
C 37,107,108,115, 207,208,215: 22.00 16.0V (UJ837220)
C 47,48: 2200 25.0V (UJ849220)
C 57: 8200 16.0V (VP825200)
11. **Electrolytic Cap.-BP**
C 101,102,201, 202: 10.00 16.0V (UN837100)
C 122,126,222, 226: 100.00 25.0V (UN848100)
12. **Semiconductive Cera. Cap.**
C 2,4,15,18-21, 23-29,33-36, 39-42,49,50,58, 61-63,65,68, 70-72,75,79,81, 82,132,133,232, 233: 0.1000 25V Z (VC694800)
13. **Carbon Resistor**
R 1-3: 220.0 1/4 J (HF755220)
R 4,6,23,49: 1.0K 1/4 J (HF756100)
R 5: 3.9K 1/4 J (HF756330)
R 7,8,21,22,24,32, 33,48,116,117, 127,129,135-138, 140-143,216,217, 227,229,235-238, 240-243: 10.0K 1/4 J (HF757100)
R 9-16,125,225: 100.0K 1/4 J (HF758100)
R 17-20: 8.2K 1/4 J (HF756820)
R 29: 1.8K 1/4 J (HF756180)
R 30,54: 560.0 1/4 J (HF755560)
R 34-36,40-43,50, 51,53,114,214: 4.7K 1/4 J (HF756470)
R 37-39: 56.0 1/4 J (HF754560)
R 44,46: 1.0M 1/4 J (HF759100)
R 45,120,139,226, 239: 680.0 1/4 J (HF755680)
R 47,107,207: 100.0 1/4 J (HF755100)
R 52: 150.0K 1/4 J (HJ358150) (HF75815)
R 55: 10.0 1/4 J (HF754100)
R 56: 2.7K 1/4 J (HF756270)
R 101,103,104, 201,203,204: 20.0K 1/4 J (HF757200)
R 102,202: 16.0K 1/4 J (HF757160)
R 105,106,115, 121,205,206, 215,221: 7.5K 1/4 J (HF756750)
R 108,208,120,: 1.3K 1/4 J (HF756130)
R 109,112,209, 212: 47.0K 1/4 J (HF757470)
R 110,120,210, 220: 5.1K 1/4 J (HF756510)
R 111,211: 470.0 1/4 J (HF755470)
R 113,123,213, 223: 2.0K 1/4 J (HF756200)
R 118,119,218, 219: 330.0 1/4 J (HF755330)
R 122,222: 18.0K 1/4 J(HF757180)
R 124,224: 510.0 1/4 J (HF755510)
R 128,133,228, 233: 22.0K 1/4 J (HF757220)
R 130,134,230, 234: 75.0 1/4 J (HF754750)
R 131,132,231, 232: 24.0K 1/4 J (HF757240)
14. **Metal Oxide Film Resistor**
R 31,57: 120.0 2W J (HL325150) (VC77350)
15. **Resistor Array**
RM 1,2: RGLD8X103J (VE445200)
16. **Variable Resistor**
VR 1: A 10.0K EVJC20 (VV151900) INPUT LEVEL
17. **Rotary Encoder**
EN 1-4: EVQVCM (VV152100) PRE DELY, REV TIME,HI-RATIO,ER LEVEL
18. **Relay**
RY 1: DC RY12W (KC001900)
19. **LC Filter**
FMI1: LS MT Y223NB (FZ006970)
20. **Ceramic Resonator**
X 1: 20.0M CSA20.00M (VI951800)
X 2: 11.28M CST11.2MT (VK175200)
X 3: 30.00M CSAMZ30M (VT841300)
21. **Base Post Connector**
CN 19: VH- 5P TE (LB932050) to Power Transformer T1
22. **Wire Trap**
CN 3,7,10: 52147- 5P TE (VK024900) CN3: to CN4 of AD 3/3 CN7: to CN8 of AD 3/3 CN10: to CN9 of SUB 2/4
CN 5,13: 52147- 7P TE (VK025100) CN5: to CN6 of AD 3/3 CN13: to CN14 of SUB 3/4
CN 17: 52147- 8P TE (VK025200) to CN18 of AD 2/3
23. **Connector**
CN 1,15: 52147- 6P TE (VF728300) CN1: to CN2 of AD 3/3 CN15: to CN16 of SUB 4/4
CN 11: SLW-16P TE (VS666700) to LCD Unit
24. **IC Socket** DICF-32CS-E (VJ532800)
25. **Battery Holder**
B 1: CR2032 (VN103600)
26. **Holder, Cannon Connector** (VT696400)

Notes)
Circuit Board: SUB 1/4 (NX818410) XS226B0 J,U,C,V
Circuit Board: SUB 1/4 (NX818420) XS226B0 H,B,W
1. **Capacitor**
C 301: 4700P 400V U,C,S,V (FI834470)
2. **Push Switch**
SW 301: ESB8278V-F J,U,C,S (VP331900) POWER
3. **Coil**
L 301: PLAA3021R0R01B1 (GD900760)
4. **Fuse**
F 301: T 1.00A JU (KB003530) J,U,C,V
F 301: TL 1.00A S (KB003040) H,B,W
5. **Fuse Holder** PC-PH1 (LB201530)
6. **Terminal**
CN 301,302: (VA855400)
7. **Base Post Connector**
CN 303: VH- 3P TE (Lb932030)

Specification of F301 and T1 for each model (仕向地別詳細)

Model	F301	T1
J	1A 250v (KB003530)	(XS087A00)
U, C	1A 250v (KB003530)	(XS088A00)
H, B	T1AL 250V (KB003040)	(XS089A00)

■ **WARNING**
Components having special characteristics are marked ⚠ and must be replaced with pares having specifivations equal to those originally installed.
⚠ 印の部品は、安全を維持するために重要な部品です。交換する場合は、安全のため必ず指定の部品をご使用下さい。

(半セ) : Semiconductive ceramic capacitor