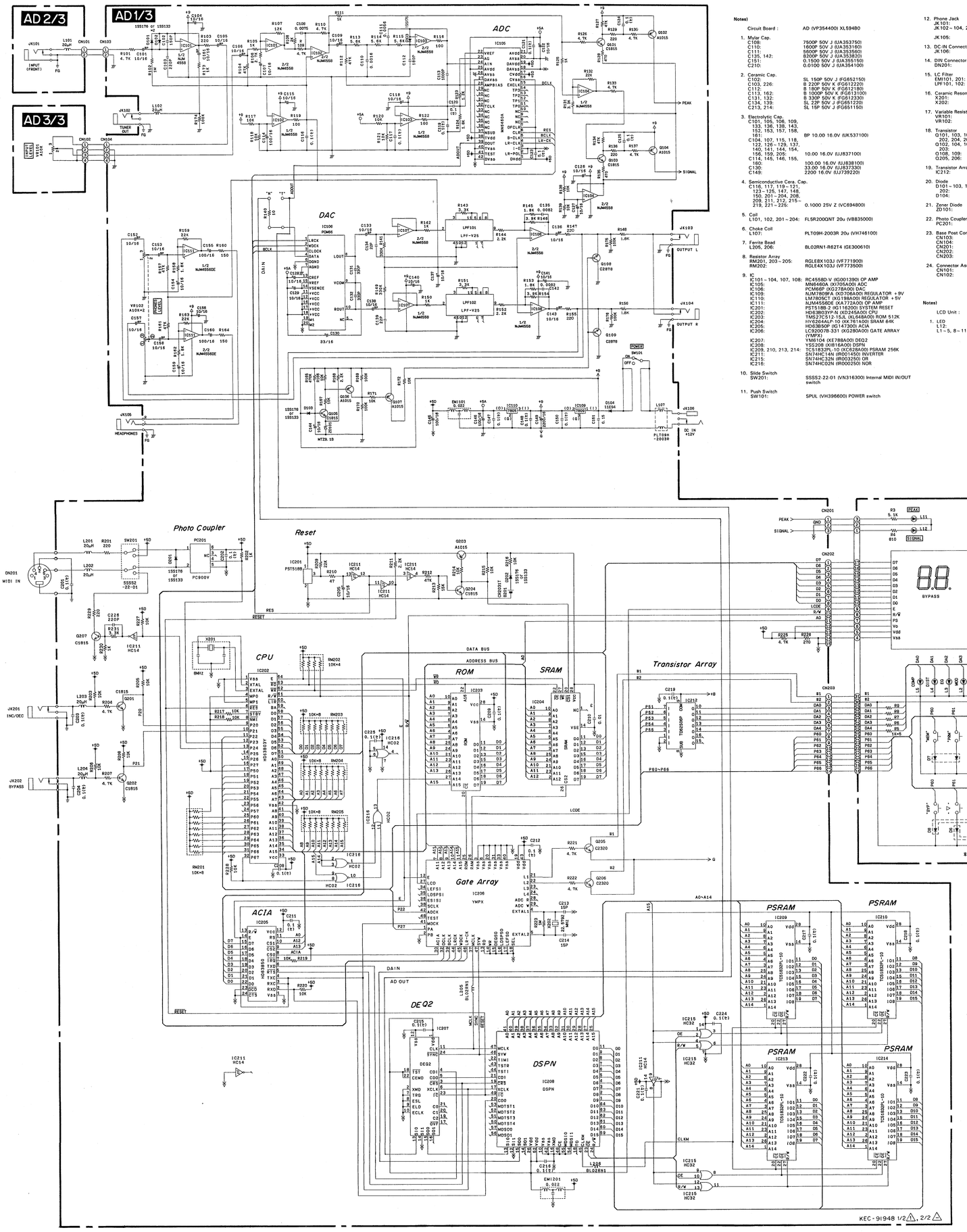
■FX550 OVERALL CIRCUIT DIAGRAM（総回路図）



Notes)

Circuit Board : AD (VP354400) XL5948B

1. Mylar Cap.
C108: 7500P 50V J (UA353750)
C110: 1800P 50V J (UA353650)
C111, 142: 5600P 50V J (UA353950)
C151: 0.1500 50V J (UA353850)
C210: 0.0100 50V J (UA354100)

2. Ceramic Cap.
C102: SL 150P 50V J (FG652150)
C103, 226: B 220P 50V K (FG612220)
C112: B 180P 50V K (FG612180)
C113, 162: B 1000P 50V K (FG613100)
C131, 132: B 330P 50V K (FG612330)
C134, 139: SL 22P 50V J (FG651220)
C213, 214: SL 15P 50V J (FG651150)

3. Electrolytic Cap.
C101, 105, 106, 109, 133, 136, 138, 143, 152, 153, 157, 158, 161: BP 10.00 16.0V (UK537100)
C104, 107, 115, 118, 122, 126～129, 137, 140, 141, 144, 154, 156, 159, 205: 10.00 16.0V (UJ837100)
C114, 145, 146, 155, 160: 100.00 16.0V (UJJ838100)
C130: 33.00 16.0V (UJJ837330)
C149: 2200 16.0V (UJJ739220)

4. Semiconductive Cera. Cap.
C116, 117, 119～121, 123～125, 147, 148, 150, 201～204, 208, 209, 211, 212, 215～219, 221～225: 0.1000 25V Z (VC694800)

5. Coil
L101, 102, 201～204: FL5R200ONT 20u (WB835000)

6. Choke Coil
L107: PLT09H-2003R 20u (VH746100)

7. Ferrite Bead
L205, 206: BL02RN1-R62T4 (GE300610)

8. Resistor Array
RM201, 203～205: RGLE8X103J (VF771900)
RM202: RGLE4X103J (VF773500)

9. IC
IC101～104, 107, 108: RC4558D-V (IG0012300) OP AMP
IC105: MN6460A (X705A00) ADC
IC106: PCM66P (XG278A00) DAC
IC109: NJM7809FA (XD706A00) REGULATOR +9V
IC110: LM7805CT (XG198A00) REGULATOR +5V
IC111: NJM4556DE (XA772A00) OP AMP
IC201: PST518B-2 (IG1162000) SYSTEM RESET
IC202: HD63B03YP-N (XD245A00) CPU
IC203: TMS27C512-15JL (XL648A00) ROM 512K
IC204: HY6264ALP-10 (XK761A00) SRAM 64K
IC205: HD63B50P (IE1473000) ACIA
IC206: LC920078-331 (XG280A00) GATE ARRAY (YMPX)
IC207: YM6104 (XE788A00) DE02
IC208: YSS208 (XJ816A00) DSPN
IC209, 210, 213, 214: TC518329L-10 (XC626A00) PSRAM 256K
IC211: SN74HC14N (IR001450) INVERTER
IC215: SN74HC32N (IR002250) OR
IC216: SN74HC02N (IR000250) NOR

10. Slide Switch
SW201: SSSS2-22-01 (VN316300) Internal MIDI IN/OUT switch

11. Push Switch
SW101: SPUL (VH396600) POWER switch

12. Phone Jack
JK101: HLJ0544 MONO (LB3018001) INPUT
JK102～104, 201, 202: YK821-5012 (VK312600) OUTPUT (L, R), TUNER OUT, BYPASS, MEMORY INC/DEC TRIGGER
JK105: YK821-5010 (VE362300) PHONES

13. DC IN Connector
JK106: HEC0009 (LB202710) DC 12V IN

14. DIN Connector
DN201: 5P YKF51-5O (VH395500) MIDI IN

15. LC Filter
EMI101, 201: LS MT Y223NB (FZ006970)
LPF101, 102: LPF 20kHz (VH408900)

16. Ceramic Resonator
X201: CST8.00MTW140 (VN002100)
X202: 22.5792M (VH409300)

17. Variable Resistor
VR101: A10.0K (VP357100) INPUT level
VR102: A10.0K x 2 (VH396200) PHONES LEVEL

18. Transistor
Q101, 103, 105, 201, 202, 204, 207: 2SC1815 Y, GR (IC1815MO)
Q102, 104, 106, 107, 203: 2SA1015 O, Y (IA101590)
Q108, 109: 2SC2878 A, B (IC287820)
Q205, 206: 2SC2320 E, F (IC232010)

19. Transistor Array
IC212: TD62506P (IG138700)

20. Diode
D101～103, 105, 201, 202: 1SS133, 1SS176 (VB941200)
D104: 11ES4 (VB481900)

21. Zener Diode
ZD101: MTZ9.1B 9.1V (VA095600)

22. Photo Coupler
PC201: PC-900V (VG181900)

23. Base Post Connector
CN103: PH-2P TE (VB389800) to AD2/3-CN101
CN104: PH-4P TE (VB389000) to AD3/3-CN102
CN201: PH-3P TE (VB389900) to LCD
CN202: PH-15P TE (VF283300) to LCD
CN203: PH-14P TE (VE352600) to LCD

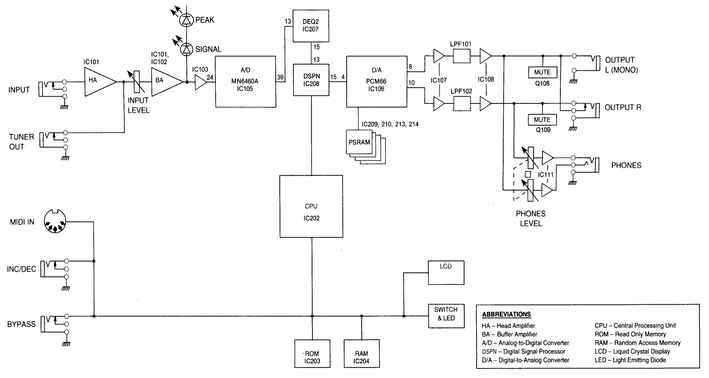
24. Connector Assembly
CN101: SAN & PH-2P L=60 to AD1/3-CN103
CN102: SAN & PH-4P L=60 to AD1/3-CN104

Notes)

LCD Unit : (VP621500)

1. LED
L12: TLG220 GR (VE663700) SIGNAL
L1～5, 8～11: TLR220 RE (VE464300)

■BLOCK DIAGRAM（ブロックダイアグラム）



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