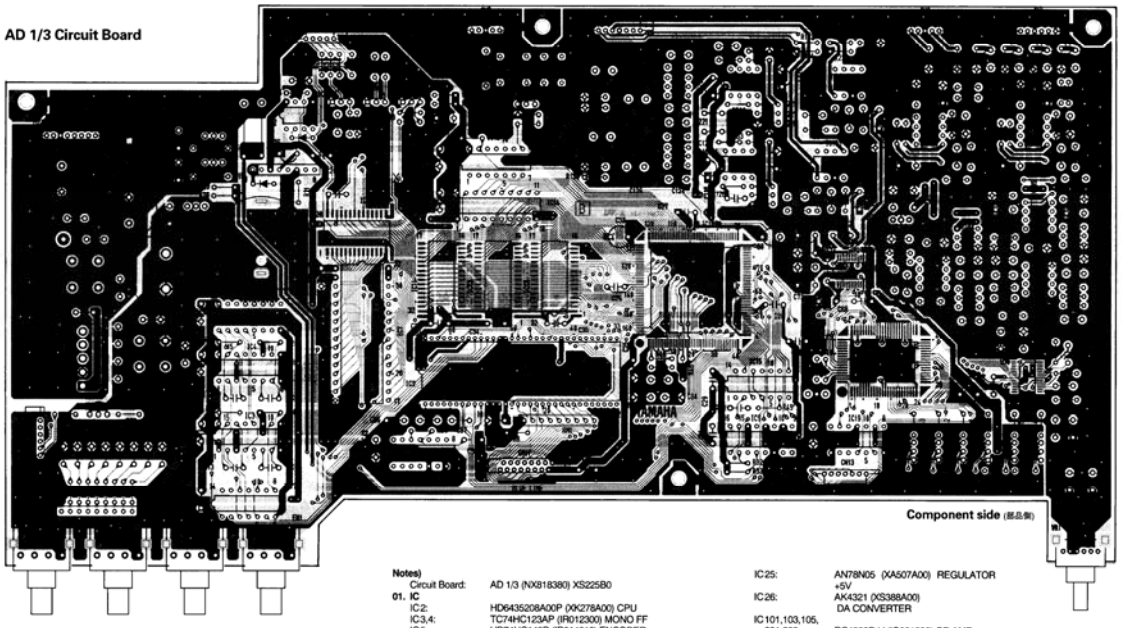
■ CIRCUIT BOARDS (シート基板図)

• AD 1/3 Circuit Board



※The lithium battery is not a part of the AD1/3 circuit board.
（リチウム電池は、AD1/3シートの構成部品ではありません）

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:	HN27C301AG-10EPROM (XS389A00) 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 (IG001390) 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:	
C 30,59,80:	100.00 16.0V (UJ838100)
C 31,51,52,66,67, 69,73,76,78,103, 106,120,127, 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 (UJ649220)
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:	3.3K 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 45,126,139,226, 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:	EVOVCM (VV152100) PRE DELY, REV TIME,HI-RATIO,ER LEVEL

18. Relay

RY 1:	DC RY12W (KC001900)

19. LC Filter

EMI1:	LS MT Y223NB (FZ006970)

20. Ceramic Resonator

X 1:	20.0M CSA20.00M (V1951800)
X 2:	11.28M CST11.2MT (VK175200)
X 3:	30.00M CSAMX230M (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)