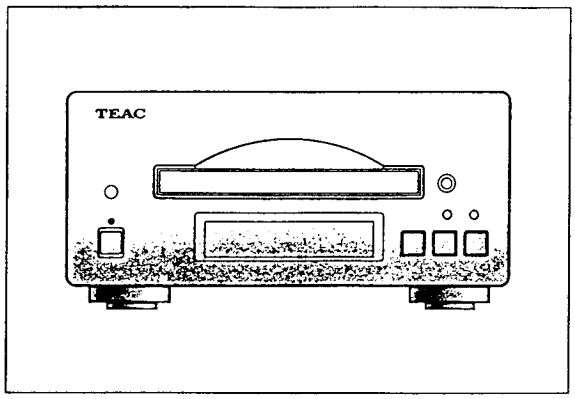

TEAC

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SERVICE MANUAL

PD-H500i

Compact Disc Player

NOTES

- PC boards shown are viewed from parts side.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components.
  They must be replaced with identical components- refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.
  [J] : JAPAN [US] : U.S.A. [C] : CANADA
  [E] : EUROPE [UK] : U.K. [GE] : GENERAL EXPORT

9A07472700

CONTENTS

Specifications

Laser System	: 3-beam laser
Digital Filter	: 8-times oversampling
Frequency Response	: 20-20,000Hz(±1dB)
Error Correction Method	:
Cross Interleave Reed-Solomon code	
S/N Ratio	: More than 100dB (IHF "A" Filter used)
T.H.D	: Less than 0.007(1kHz)
Output Voltage	: 2V RMS

General

Power requirements	: 230V, 50Hz
Power Consumption	: 10W
Dimensions(W×H×D)	: 285×131×292mm
Weight	: 3.9kg

Standard accessories

Remote control cord 1
Signal cord 1

- Improvements may result in specifications and features changing without notice.
- Illustrations may differ slightly from production models.

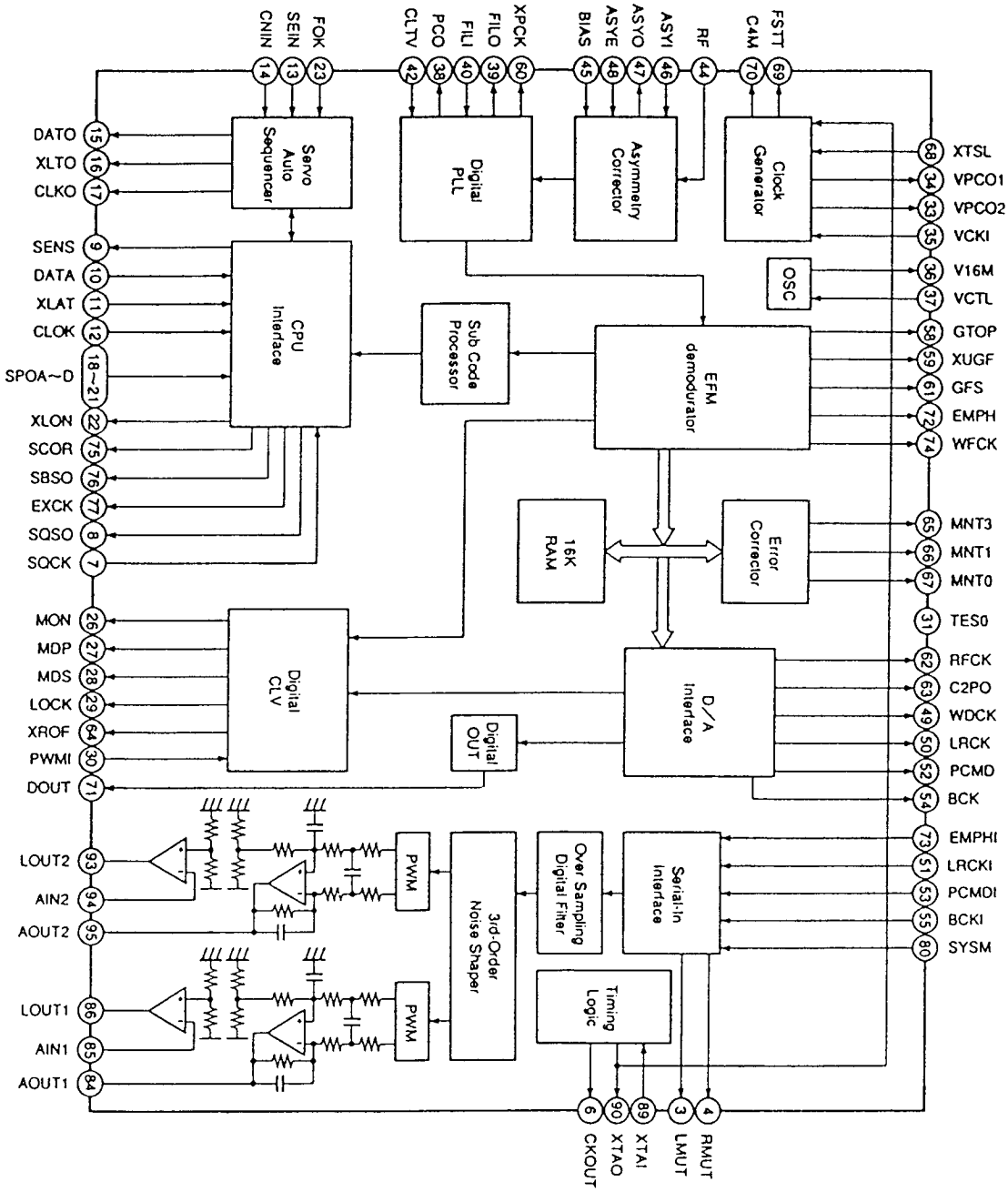
IC PIN FUNCTION

CXD2529Q (Digital Signal Processor)

NO.	SYMBOL	I/O		DESCRIPTION
1	V_{DD}	–	–	Power supply(+5V).
2	V_{SS}	–	–	GND.
3	LMUT	O	1,0	Left-channel zero detection flag.
4	RMUT	O	1,0	Right-channel zero detection flag.
5	TES2	O	1,0	TEST output pin; normally open.
6	CKOUT	O	1,0	Master clock frequency-divider output. Selects and outputs XTAI × 1, × 1/2, × 1/4 or low only.
7	SQCK	I		SQSO readout clock input.
8	SQSO	O	1,0	Sub Q 80-bit serial output.
9	SENS	O	1,0	SENS output to CPU.
10	DATA	I		Serial data input from CPU.
11	XLAT	I		Latch input from CPU. Serial data is latched at the falling edge.
12	CLOK	I		Serial data transfer clock input from CPU.
13	SEIN	I		SENS input from SSP.
14	CNIN	I		Track jump count signal input.
15	DATO	O	1,0	Serial data output to SSP.
16	XLTO	O	1,0	Serial data latch output to SSP. Latched at the falling edge.
17	CLKO	O	1,0	Serial data transfer clock output to SSP.
18	SPOA	I		Microcomputer extended interface (input A).
19	SPOB	I		Microcomputer extended interface (input B).
20	SPOC	I		Microcomputer extended interface (input C).
21	SPOD	I		Microcomputer extended interface (input D).
22	XLON	O	1,0	Microcomputer extended interface (output).
23	FOK	I		Focus OK input. Used for SENS output and the servo auto sequencer.
24	V_{DD}	–	–	Power supply (+5V).
25	V_{SS}	–	–	GND.
26	MON	O	1,0	Spindle motor on/off control output.
27	MDP	O	1,Z,0	Spindle motor servo control.
28	MDS	O	1,Z,0	Spindle motor servo control.
29	LOCK	O	1,0	GFS is sampled at 460Hz; when GFS is high, this pin outputs a high signal. If GFS is low eight consecutive samples, this pin outputs low.
30	PWMI	I		Spindle motor external control input.
31	TES0	I		TEST pin; normally GND.
32	TES1	I		TEST pin; normally GND.
33	VPCO2	O	1,Z,0	Wide-band EFM PLL charge pump output. Turned on/off by FCSW of address E.
34	VPCO1	O	1,Z,0	Charge pump output for the wide-band EFM PLL.
35	VCKI	I		VCO2 oscillation input for the wide-band EFM PLL.
36	V16M	O	1,0	VCO2 oscillation output for the wide-band EFM PLL.
37	VCTL	I		VCO2 control voltage input for the wide-band EFM PLL.
38	PCO	O	1,Z,0	Master PLL charge pump output.
39	FILO	I	Analog	Master PLL (slave=digital PLL) filter output.
40	FILI	I		Master PLL filter input.
41	AV_{SS}	–	–	Analog GND.
42	CLTV	I		Master VCO control voltage input.
43	AV_{DD}	–	–	Analog power supply (+5V).
44	RF	I		EFM signal input.
45	BIAS	I		Constant current input of the asymmetry circuit.
46	ASYI	I		Asymmetry comparator voltage input.
47	ASYO	O	1,0	EFM full-swing output (low=Vss, high=V_{DD})
48	ASYE	I		Low: asymmetry circuit off; high: asymmetry circuit on.
49	WDCK	O	1,0	D/A interface. Word clock = 2fs.
50	LRCK	O	1,0	D/A interface. LR clock output f = fs.
51	LRCKI	I		LR clock input.

NO.	SYMBOL	I/O		DESCRIPTION
52	PCMD	O	1,0	D/A interface. Serial data output (two's complement, MSB first)
53	PCMDI	I		D/A interface. Serial data input (two's complement, MSB first)
54	BCK	O	1,0	D/A interface. Bit clock output.
55	BCKI	I		D/A interface. Bit clock input.
56	Vss	–	–	GND.
57	VDD	–	–	Power supply(+5V).
58	GTOP	O	1,0	GTOP output.
59	XUGF	O	1,0	XUGF output.
60	XPCK	O	1,0	XPLCK output.
61	GFS	O	1,0	GFS output.
62	RFCK	O	1,0	RFCK output.
63	C2PO	O	1,0	C2PO output.
64	XROF	O	1,0	XRAOF output.
65	MNT3	O	1,0	MNT3 output.
66	MNT1	O	1,0	MNT1 output.
67	MNT0	O	1,0	MNT0 output.
68	XTSL	I		Crystal selector input. Low: 16.9344MHz; high: 33.8688MHz.
69	FSTT	O	1,0	2/3 frequency-divider output for pins 89 and 90.
70	C4M	O	1,0	4.2336MHz output. 1/4 frequency-divided VCKI output in CAV-W mode.
71	DOUT	O	1,0	Digital Out output.
72	EMPH	O	1,0	Outputs a high signal when the playback disc has emphasis, and a low signal when there is no emphasis.
73	EMPHI	I		Inputs a high signal when de-emphasis is on, and a low signal when de-emphasis is off.
74	WFCK	O	1,0	WFCK output.
75	SCOR	O	1,0	Outputs a high signal when either subcode sync S0 or S1 is detected.
76	SBSO	O	1,0	Sub P to W serial output.
77	EXCK	I		SBSO readout clock input.
78	Vss	–	–	GND.
79	VDD	–	–	Power supply (+5V).
80	SYSM	I		Mute input. Active when high.
81	NC			
82	AVss	–	–	Analog GND.
83	AVDD	–	–	Analog power supply(+5V).
84	AOUT1	O		Left-channel analog output.
85	AIN1	I		Left-channel operational amplifier input.
86	LOUT1	O		Left-channel LINE output.
87	AVss	–	–	Analog GND.
88	XVDD			Power supply for master clock.
89	XTAI	I		Crystal oscillation circuit input. Input the external master clock via this pin.
90	XTAO	O		Crystal oscillation circuit output.
91	XVss			GND for master clock.
92	AVss	–	–	Analog GND.
93	LOUT2	O		Right-channel LINE output.
94	AIN2	I		Right-channel operational amplifier input.
95	AOUT2	O		Right-channel analog output.
96	AVDD	–	–	Analog power supply(+5V).
97	AVss	–	–	Analog GND.
98	NC			
99	NC			
100	XRST	I		System reset. Reset when low.

Notes)
- PCMD is an MSB first, two' s complement output.
- GTOP is used to monitor the frame sync protection status. (High: sync protecton window released)
- XUGF is the negative pulse for the frame sync derived from the EFM signal. It is the signal before sync protec tion.
- XPLCK is the inverse of the EFM PLL clock. The PLL is designed so that the falling edge of XPLCK and the EFM signal transition point coincide.
- GFS goes high when the frame sync and the insertion protection timing match.
- RFCK is derived with the crystal accuracy. This signal has a cycle of 136μs (during normal-speed).
- C2PO represents the data error status.
- XRAOF is generated when the 16K RAM exceeds the $\pm$4F jitter margin.



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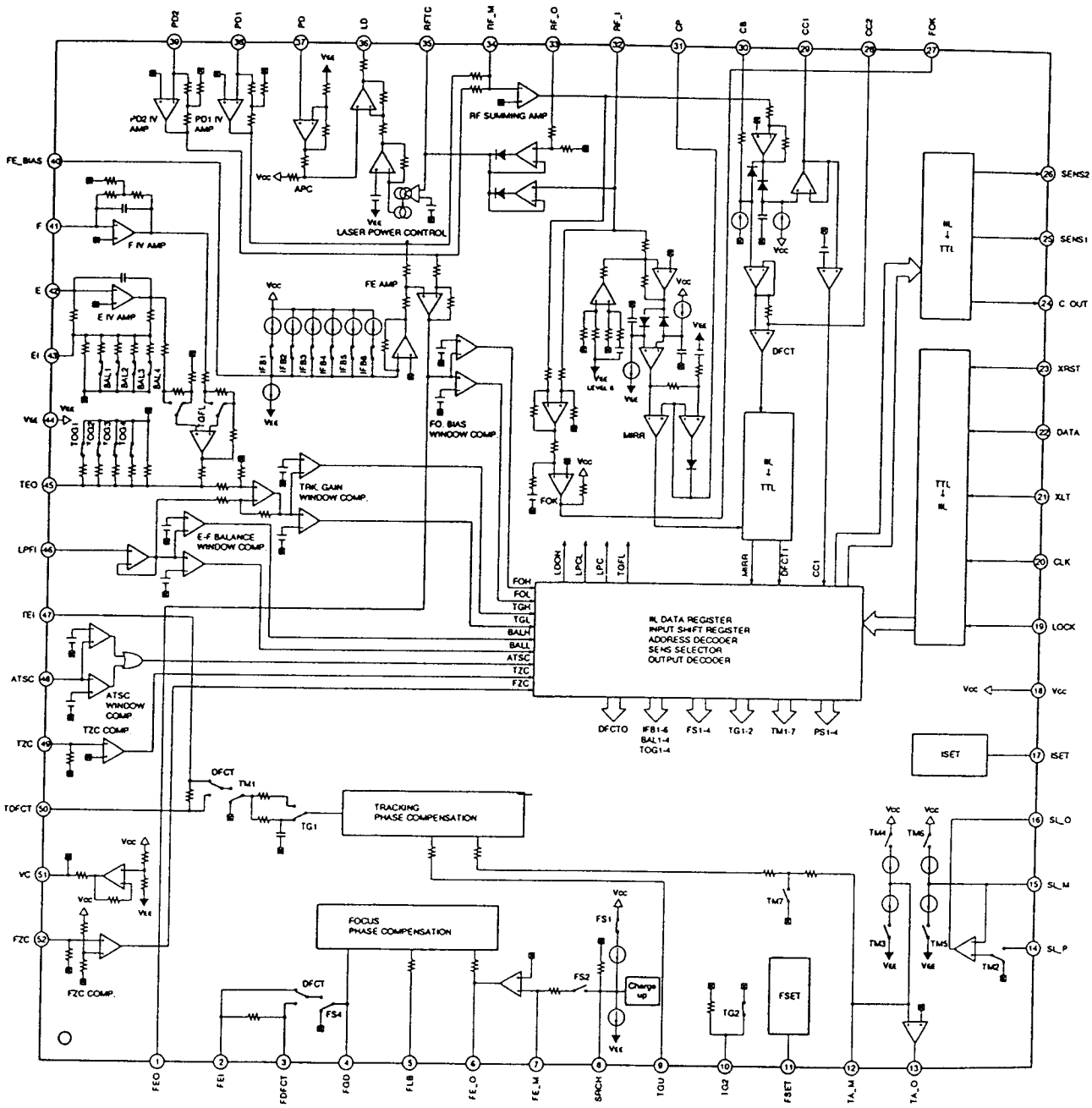
CXA1992BR (RF AMP+Servo signal processor)

NO.	SYMBOL	I/O	DESCRIPTION
1	FEO	O	Focus error amplifier output. Connected internally to the window comparator input for bias adjustment.
2	FEI	I	Focus error input.
3	FDFCT	I	Capacitor connection pin for defect time constant.
4	FGD	I	Ground this pin through a capacitor for cutting the focus servo high-frequency gain.
5	FLB	I	External time constant setting pin for boosting the focus servo low-frequency.
6	FE-O	O	Focus drive output.
13	TA-O	O	Tracking drive output.
16	SL-O	O	Sled drive output.
7	FE-M	I	Focus amplifier inverted input.
8	SRCH	I	External time constant setting pin for generating focus search waveform.
9	TGU	I	External time constant setting pin for switching tracking high-frequency gain.
10	TG2	I	External time constant setting pin for switching tracking high-frequency gain.
11	FSET	I	Peak frequency setting pin for focus and tracking phase compensation amplifier.
12	TA-M	I	Tracking amplifier inverted input.
14	SL-P	I	Sled amplifier non-inverted input.
15	SL-M	I	Sled amplifier inverted input.
17	ISET	I I	Connect an external capacitance to set the current which determines the Focus search, Track jump, and Sled kick heights.
18	Vcc	I	Positive power supply.
19	LOCK	I	The sled overrun prevention circuit operates when this pin is low.(no pull-up resistance)
20	CLK	I	Serial data transfer clock input from CPU. (no-pull-up resistance)
21	DATA	I	Serial data input from CPU.(no pull-up resistance)
22	XLT	I	Latch input from CPU.(no pull-up resistance)
23	XRST	I	Reset input; resets at Low.(no pull-up resistance)
24	C. OUT	O	Track number count signal output.
25	SENS1	O	Outputs FZC, DFCT1, TZC, BALH, TGH, FOH, ATSC, and others according to the command from CPU.
26	SENS2	O	Outputs DFCT2,MIRR,BALL,TGL,FOL, and others according to the command from the CPU.
27	FOK	O	Focus OK comparator output.
28	CC2	I	Input for the defect bottom hold output with capacitance coupled.
29	CC1	O	Defecct bottom hold output. Connected internally to the interruption comparator input.
30	CB	I	Connection pin for defect bottom hold capacitor.
31	CP	I	Connection pin for MIRR hold capacitor. MIRR comparator non-inverted input.
32	RF-I	I	Input for the RF summing amplifier output with capacitance coupled.
33	RF-O	O	RF summing amplifier output. Eyepattern check point.
34	RF-M	I	RF summing amplifier inverted input. The RF amplifier gain is determined by the resistance connected between this pin and RFO pin.
35	RFTC	I	External time constant setting pin durring RF level control.
36	LD	O	APC amplifier output.
37	PD	I	APC amplifier input.
38	PD1	I	REI-V amplifier inverted input.
39	PD2	I	Connect these pins to the photo diode A+C and B+D pins.
40	FE-BIAS	I	Bias adjustment of focus error amplifier. Leave this pin open for automatic adjustment.
41	F	I	FI-V and EI-V amplifier inverted input.
42	E	I	Connect these pins to photo diode F and E.
43	EI	–	I-V amplifier E gain adjustment. (When not using automatic balance adjustment)
44	VEE	–	Negative power supply.
45	TEO	O	Tracking error amplifier output. E-F signal is output.
46	LPFI	I	Comparator input for balance adjustment. (input from TEO through LPF)
47	TEI	I	Tracking error input.
48	TDFCT	I	Capacitor connection pin for defect time constant.
49	ATSC	I	Window comparator input for ATSC detection.
50	TZC	I	Tracking zero-cross comparator input.
51	VC	O	(VCC+VEE)/2 direct voltage output.
52	FZC	I	Focus zero-cross comparator input.



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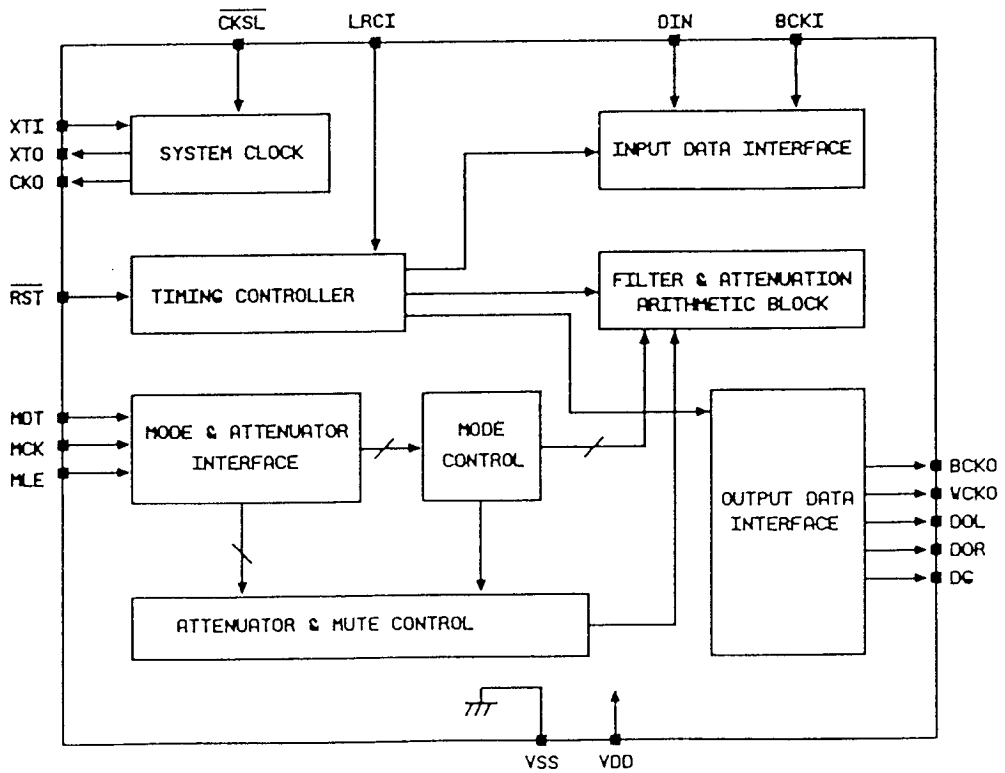
SM5841AP (Digital filter)

NO.	SYMBOL	I/O	DESCRIPTION
1	$\overline{\text{CKLS}}$	IP	Oscillator and input frequency select. 384fs when HIGH, and 256fs when LOW.
2	XTI	I	Oscillator input connection.
3	XTO	O	Oscillator output connection.
4	CKO	O	Oscillator output clock (same frequency as XTI).
5	VSS	—	Ground
6	MDT	IP	Digital attenuator and mode set data .
7	$\overline{\text{MCK}}$	IP	Digital attenuator and mode set clock.
8	MLE	IP	Digital attenuator and mode set latch enable.
9	$\overline{\text{RST}}$	IP	System Reset.
10	DG	O	8fs left/right simultaneous of 4fs left/right alternating de-glitched output.
11	DOR	O	Right-channel data output when in 8fs L/R simultaneous mode, and L/R clock output in 4fs L/R alternating mode.
12	DOL	O	Left-channel data output when in 8fs L/R simultaneous mode, and Left/Right channel data output in L/R alternating mode.
13	WCKO	O	Output word clock.
14	VDD	—	5V supply.
15	BCKO	O	Output bit clock.
16	LRCI	IP	Input data sample rate (fs) clock.
17	BCKI	IP	Input bit clock.
18	DIN	IP	Data input.

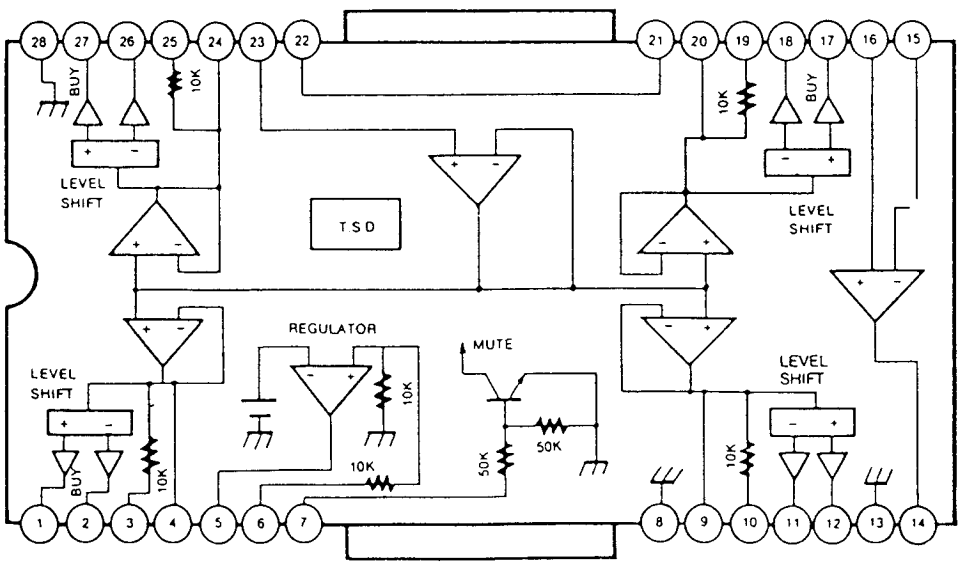
BLOCK DIAGRAM



KA9258D (Motor Driver)

NO.	SYMBOL	I/O	DESCRIPTION
1	DO1.1	O	DRIVE OUTPUT
2	DO1.2	O	DRIVE OUTPUT
3	DI1.1	I	DRIVE INPUT
4	DI1.2	I	DRIVE INPUT
5	REG	–	REGULATOR
6	REO	O	REGULATOR OUTPUT
7	MUTE	–	MUTE
8	GND1	–	GROUND
9	DI2.1	I	DRIVE INPUT
10	DI2.2	I	DRIVE INPUT
11	DO2.1	O	DRIVE OUTPUT
12	DO2.2	O	DRIVE OUTPUT
13	GND2	–	GROUND
14	OPOUT	O	OPAMP OUTPUT
15	OPIN (-)	I	OPAMP INPUT(-)
16	OPIN (+)	I	OPAMP INPUT(+)
17	DO3.1	O	DRIVE OUTPUT
18	DO3.2	O	DRIVE OUTPUT
19	DI3.1	I	DRIVE INPUT
20	DI3.2	I	DRIVE INPUT
21	VCC1	–	SUPPLY VOLTAGE
22	VCC2	–	SUPPLY VOLTAGE
23	VREF	–	2.5V BIAS VOLTAGE
24	DI4.1	I	DRIVE INPUT
25	DI4.2	I	DRIVE INPUT
26	DO4.1	O	DRIVE OUTPUT
27	DO4.2	O	DRIVE OUTPUT
28	GND3	–	GROUND

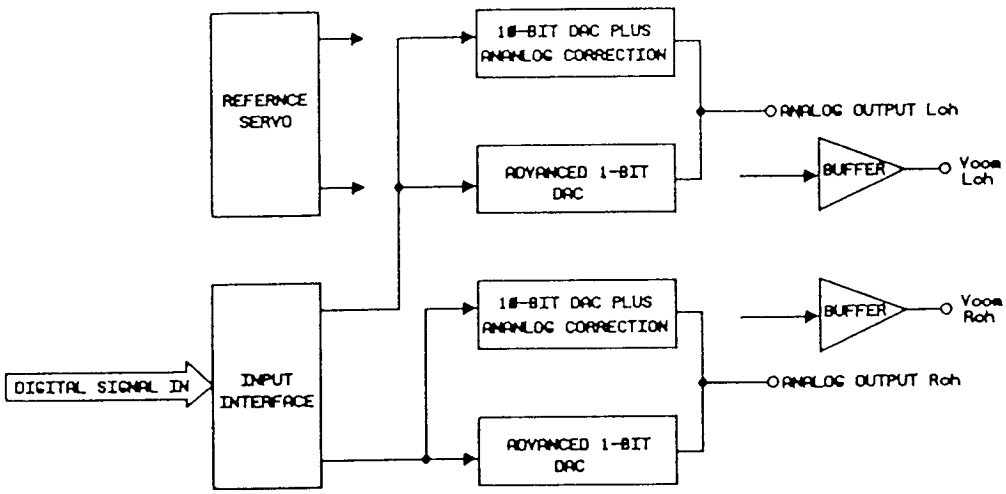
BLOCK DIAGRAM



PCM69AP (D/A CONVERTOR)

NO.	SYMBOL	DESCRIPTION
1	VCC	VCC, Analog +5V.
2	Vcom. L-ch	Reference Voltage (3.5V).
3	Lout. L-ch	L-ch current output.
4	Servo DC	Servo filter.
5	REF. DC	Reference filter.
6	Lout. R-ch	R-ch current output.
7	Vcom, R-ch	Reference voltage (3.5V)
8	A-GND	Ground (Analog).
9	D-GND	Ground (Digital).
10	Data, R-ch	R-ch data input.
11	BCK	Bit clock input.
12	SYS CLK	System clock input.
13	WDCK	Word clock input (44.1k).
14	Data, L-ch	L-ch data input.
15	TP1	Select pin for input data format.
16	VDD	VDD, Digital +5V.

BLOCK DIAGRAM

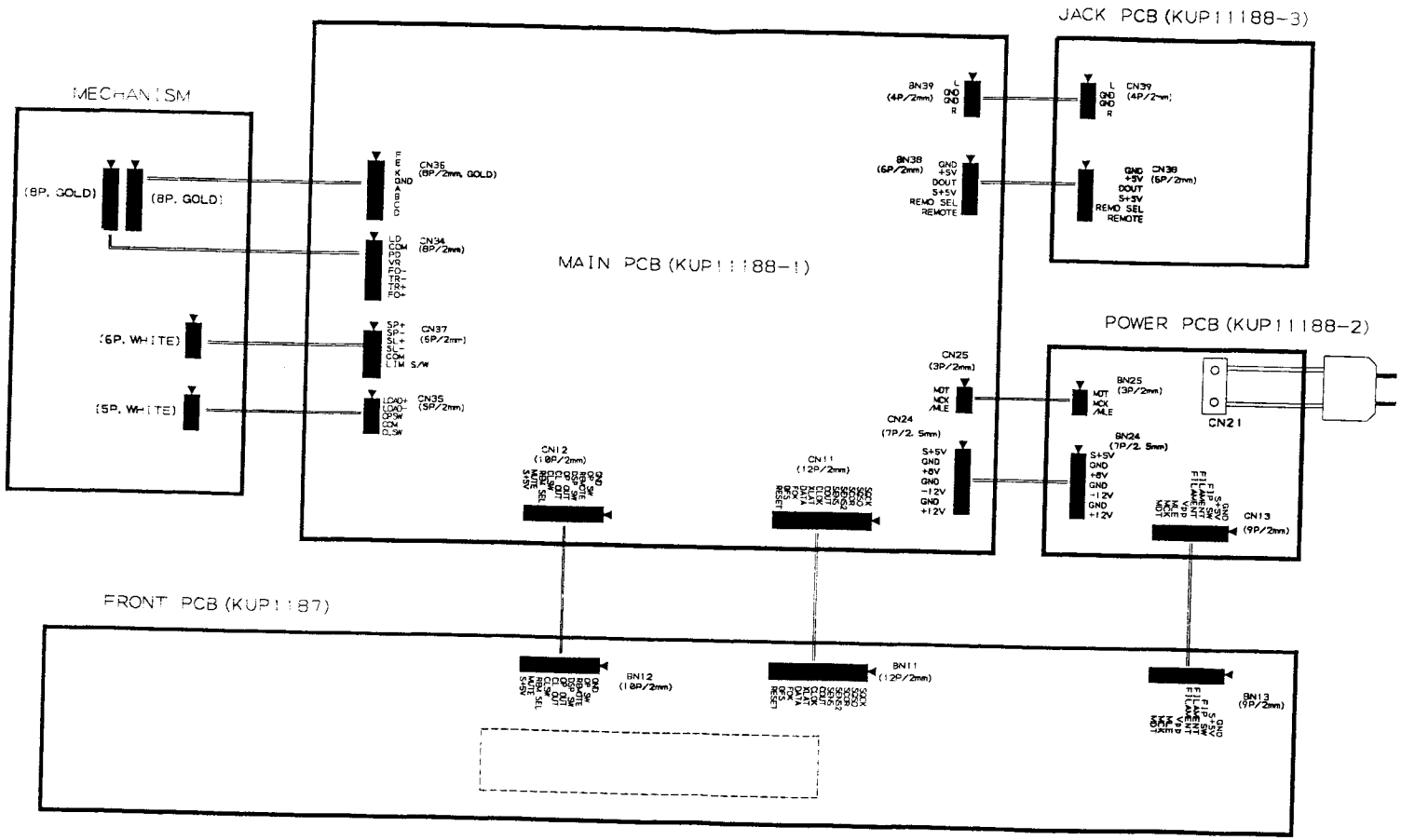


IC70 BVIANAM1232C (μ-COM, TMP87PM78F)

NO.	SYMBOL	I/O	DESCRIPTION
1	VDD	-	+5V POWER SUPPLY PIN
2	F_MOTOR	O	MESHANISM OPEN CONTROL OUTPUT PIN
3	R_MOTOR	O	MESHANISM CLOSE CONTROL OUTPUT PIN
4	/MLE	O	DIGITAL ATTENUATOR AND MODE SET LATCH ENABLE
5	MCK	O	DIGITAL ATTENUATOR AND MODE SET CLOCK
6	MDT	O	DIGITAL ATTENUATOR AND MODE SET DATA
7	REMO SEL	I	REMOTE SELECTOR SWITCH CHECK PIN
8	TEST	I	OPTION(HIGH=AKAI)
9	NC	-	
10	SQCK	O	SUBCODE-Q DATA CLOCK OUTPUT PIN
11	SQSO	I	SUBCODE-Q DATA SERIAL INPUT PIN
12	NC	-	
13	SCOR	I	SUBCODE SYNC SIGNAL (S0+S1) INPUT PIN
14	OP/SW	I	OPEN SWITCH CHECK INPUT PIN
15	CL/SW	I	CLOSE SWITCH CHECK INPUT PIN
16	JOG B	-	SKIP DIAL CONTROL PIN
17	JOG A	-	SKIP DIAL CONTROL PIN
18~21	NC,	-	
22	GND	-	GROUND
23	AGND	-	GROUND
24	VREF	-	+5V POWER SUPPLY PIN
25	VDD	-	+5V POWER SUPPLY PIN
26	NC	-	
27	GND	-	GROUND
28, 29	NC	-	
30	GND	-	GROUND
31	XIN	I	SYSTEM CLOCK OSCILLATION CRYSTAL INTERFACE INPUT PIN
32	XOUT	O	SYSTEM CLOCK OSCILLATION CRYSTAL INTERFACE OUTPUT PIN
33	RESET	I	SYSTEM RESET PIN
34	RE_IN	I	REMOCON DATA INPUT PIN
35	BUS_IN	I	REMOCON DATA INPUT PIN
36	BUS_OUT	O	REMOCON DATA OUTPUT PIN
37	SENS2	I	SSP STATUS INPUT PIN
38	SENS	I	DSP STATUS INPUT PIN
39	COUT	I	TRACK COUNT INPUT PIN
40	MUTE	O	AUDIO MUTE OUTPUT PIN
41	CLOCK	O	CLOCK OUTPUT PIN
42	XLAT	O	LATCH OUTPUT PIN
43	DATA	O	DATA OUTPUT PIN
44	F.OK	I	FOCUS OK INPUT PIN
45	GFS	I	FRAME SYNC STAUS INPUT PIN
46	DSP RESET	O	SYSTEM RESET FROM DSP OUTPUT PIN
47	POWER	O	SYSTME POWER ON/OFF OUTPUT PIN
48	FLT POWER	O	FIP FILAMENT POWER ON, OFF OUTPUT PIN

NO.	SYMBOL	I/O	DESCRIPTION
49	NC	-	
50	-30V	-	FIP VOLTAGE SUPPLY PIN
51	LED	O	STANBY LED ON/OFF OUTPUT PIN
52	LED	O	TIME EDIT LED ON/OFF OUTPUT PIN
53	LED	O	JUST EDIT LED ON/OFF OUTPUT PIN
54	LED	O	MANUAL FADE LED ON/OFF OUTPUT PIN
55	LED	O	AUTO SPACE LED ON/OFF OUTPUT PIN
56~58	NC	-	
59	KS_1	O	KEY SCAN OUTPUT PIN
60	KS_2	O	KEY SCAN OUTPUT PIN
61	KS_3	O	KEY SCAN OUTPUT PIN
62	KS_4	O	KEY SCAN OUTPUT PIN
63	KS_5	O	KEY SCAN OUTPUT PIN
64	KS_6	O	KEY SCAN OUTPUT PIN (NOT USED)
65	KS_7	O	KEY SCAN OUTPUT PIN (NOT USED)
66	KS_8	O	KEY SCAN OUTPUT PIN (NOT USED)
67	P1	O	FIP SEGEMENT SIGNAL OUTPUT PIN
68	P2	O	FIP SEGEMENT SIGNAL OUTPUT PIN
69	P3	O	FIP SEGEMENT SIGNAL OUTPUT PIN
70	P4	O	FIP SEGEMENT SIGNAL OUTPUT PIN
71	P5	O	FIP SEGEMENT SIGNAL OUTPUT PIN
72	P6	O	FIP SEGEMENT SIGNAL OUTPUT PIN
73	P7	O	FIP SEGEMENT SIGNAL OUTPUT PIN
74	P8	O	FIP SEGEMENT SIGNAL OUTPUT PIN
75	P9	O	FIP SEGEMENT SIGNAL OUTPUT PIN
76	P10	O	FIP SEGEMENT SIGNAL OUTPUT PIN
77	P11	O	FIP SEGEMENT SIGNAL OUTPUT PIN
78	P12	O	FIP SEGEMENT SIGNAL OUTPUT PIN
79	P13	O	FIP SEGEMENT SIGNAL OUTPUT PIN
80	P14	O	FIP SEGEMENT SIGNAL OUTPUT PIN
81	P15	O	FIP SEGEMENT SIGNAL OUTPUT PIN
82	P16	O	FIP SEGEMENT SIGNAL OUTPUT PIN
83	1G	O	FIP TIMING SIGNAL OUTPUT PIN
84	2G	O	FIP TIMING SIGNAL OUTPUT PIN
85	3G	O	FIP TIMING SIGNAL OUTPUT PIN
86	4G	O	FIP TIMING SIGNAL OUTPUT PIN
87	5G	O	FIP TIMING SIGNAL OUTPUT PIN
88	6G	O	FIP TIMING SIGNAL OUTPUT PIN
89	7G	O	FIP TIMING SIGNAL OUTPUT PIN
90	8G	O	FIP TIMING SIGNAL OUTPUT PIN
91~94	GND	I	GROUND
95	KI_4	I	KEY SCAN INPUT PIN
96	KI_3	I	KEY SCAN INPUT PIN
97	KI_2	I	KEY SCAN INPUT PIN
98	KI_1	I	KEY SCAN INPUT PIN
99	P17	O	FIP SEGMENT SIGNAL OUTPUT PIN
100	NC	-	

WIRING DIAGRAM



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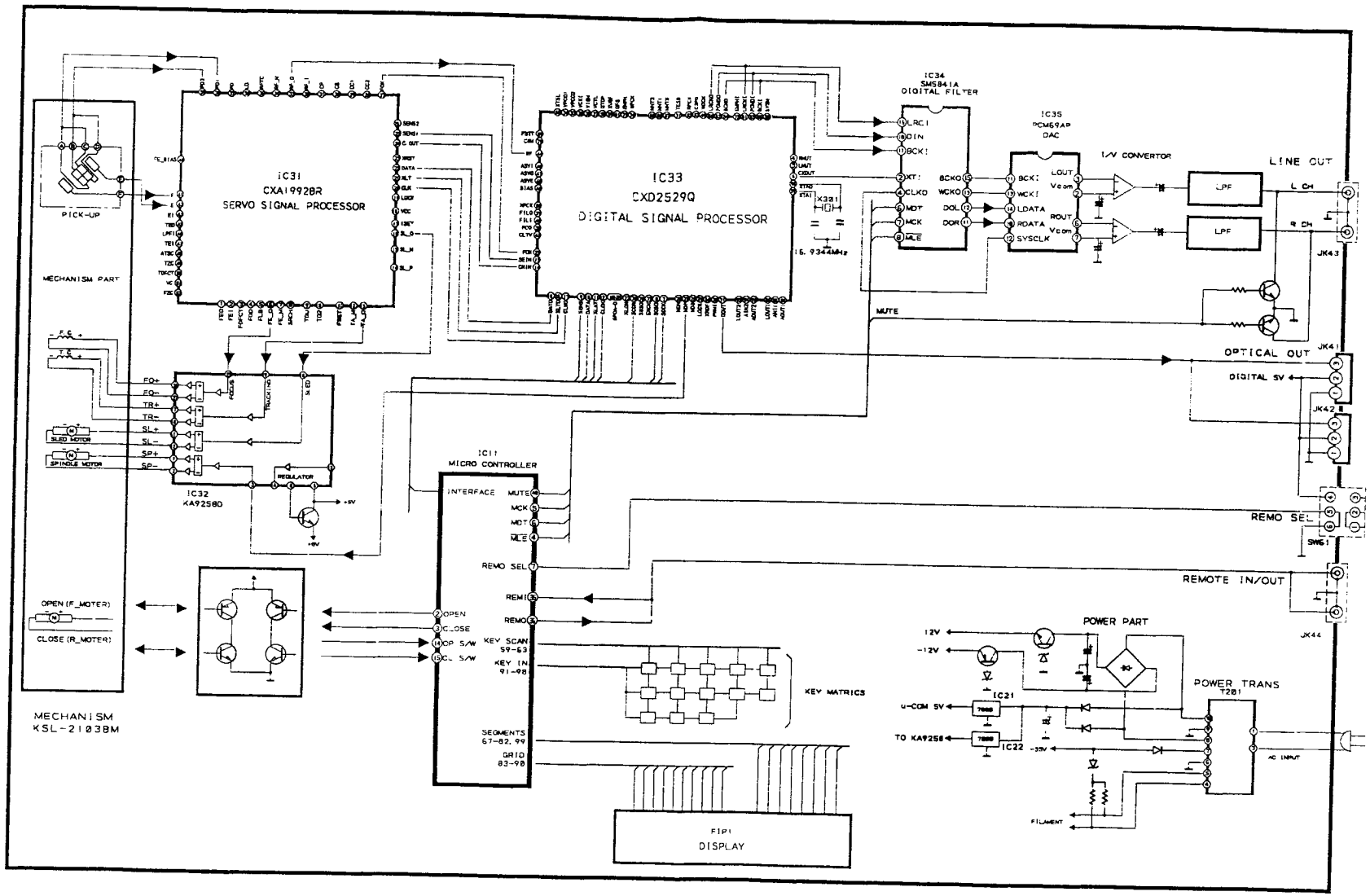

SCHEMATIC DIAGRAM

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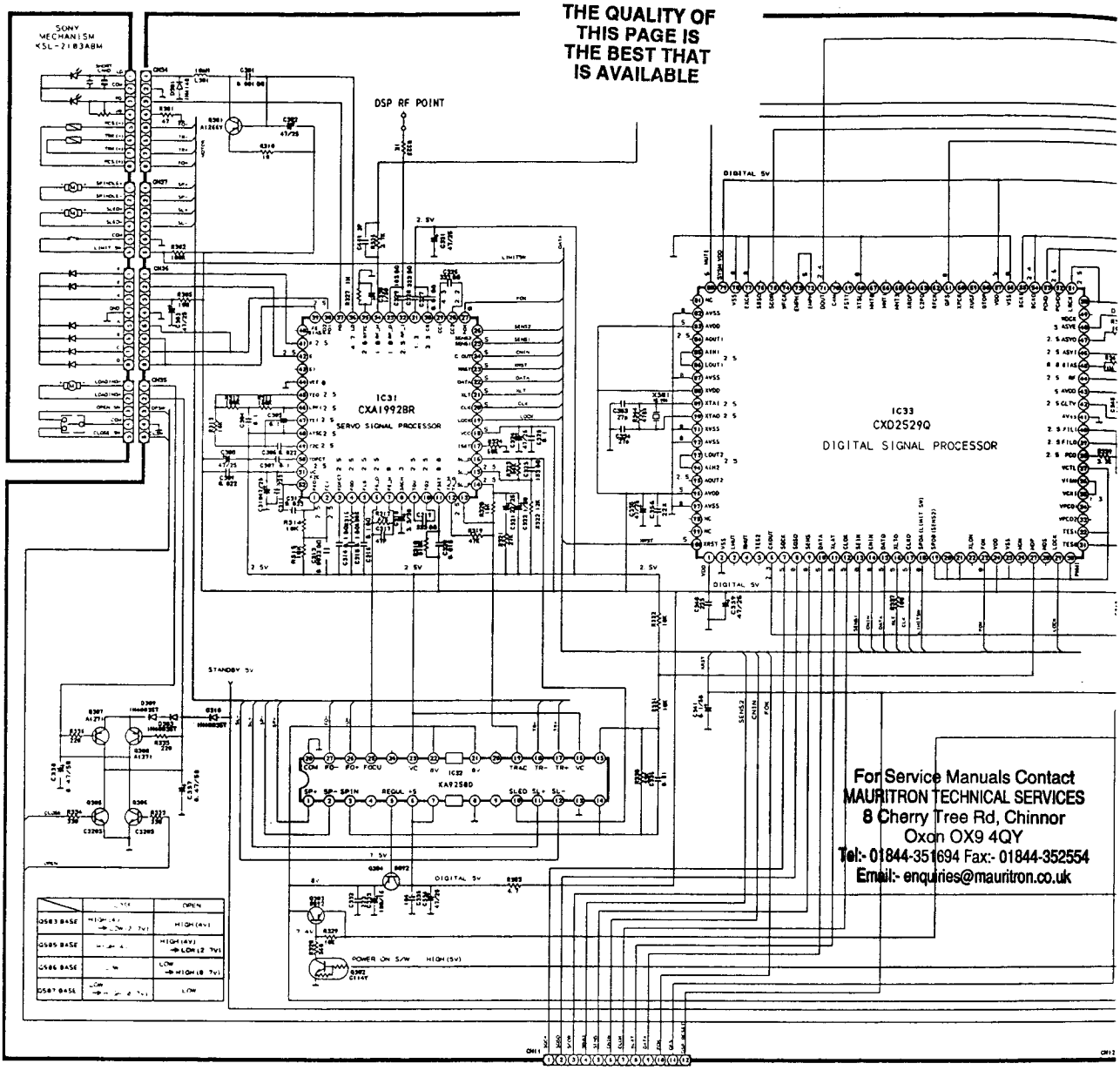
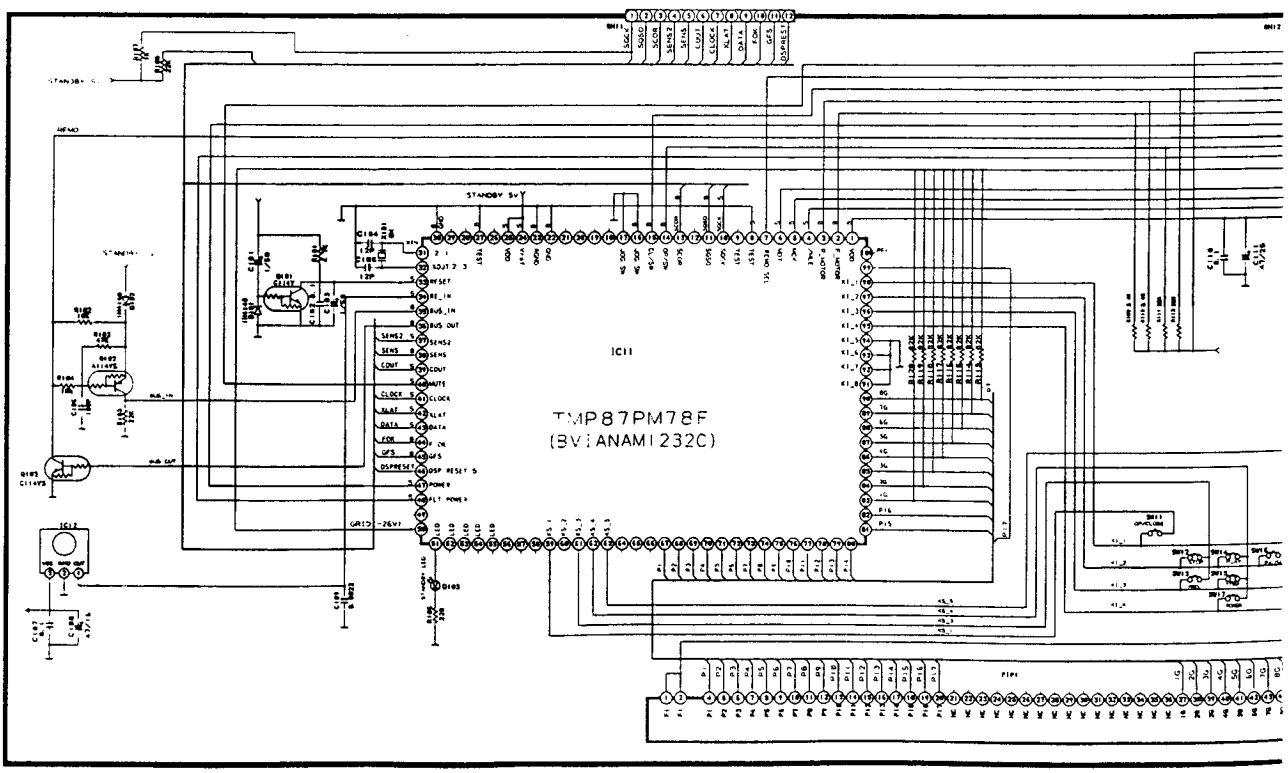
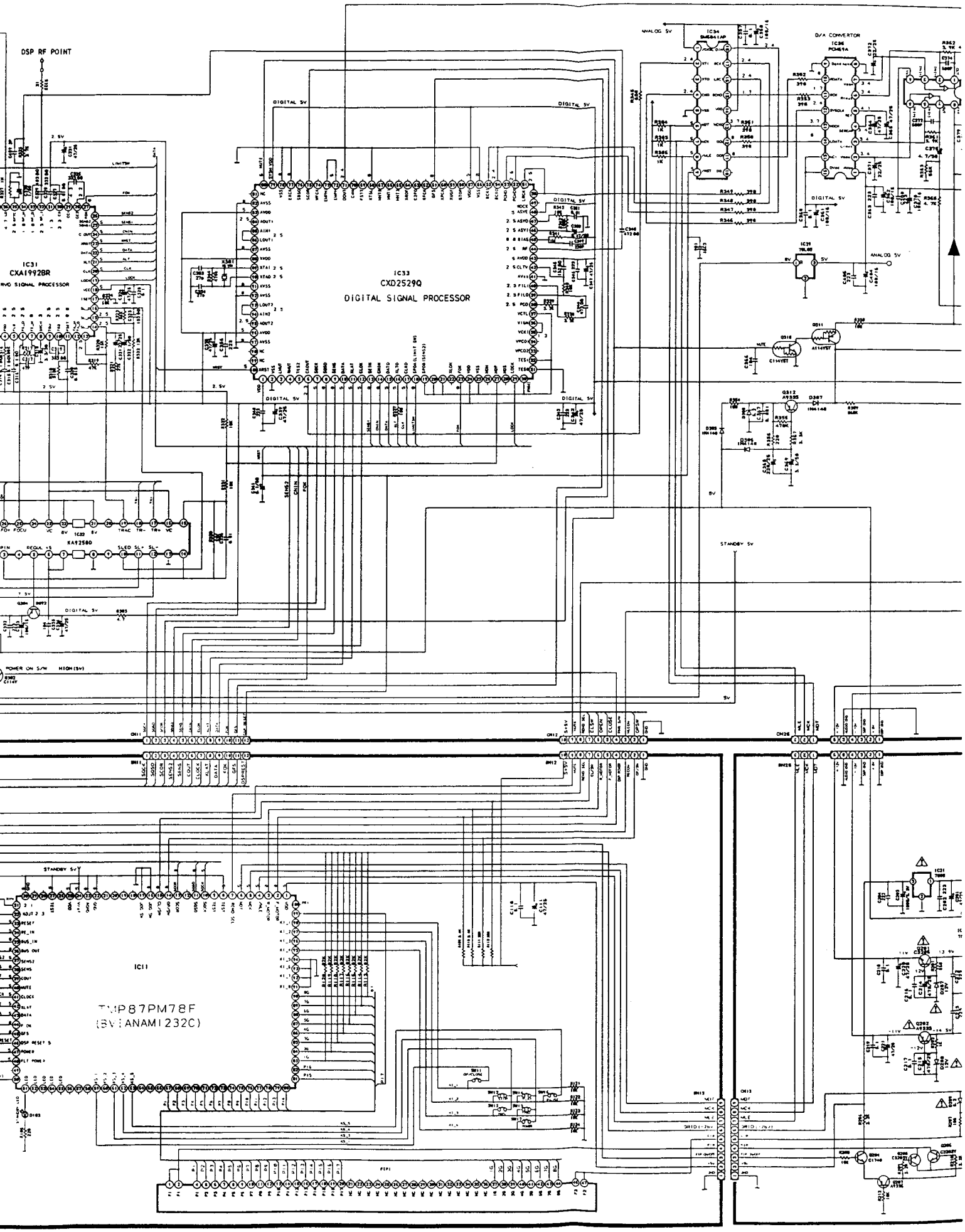
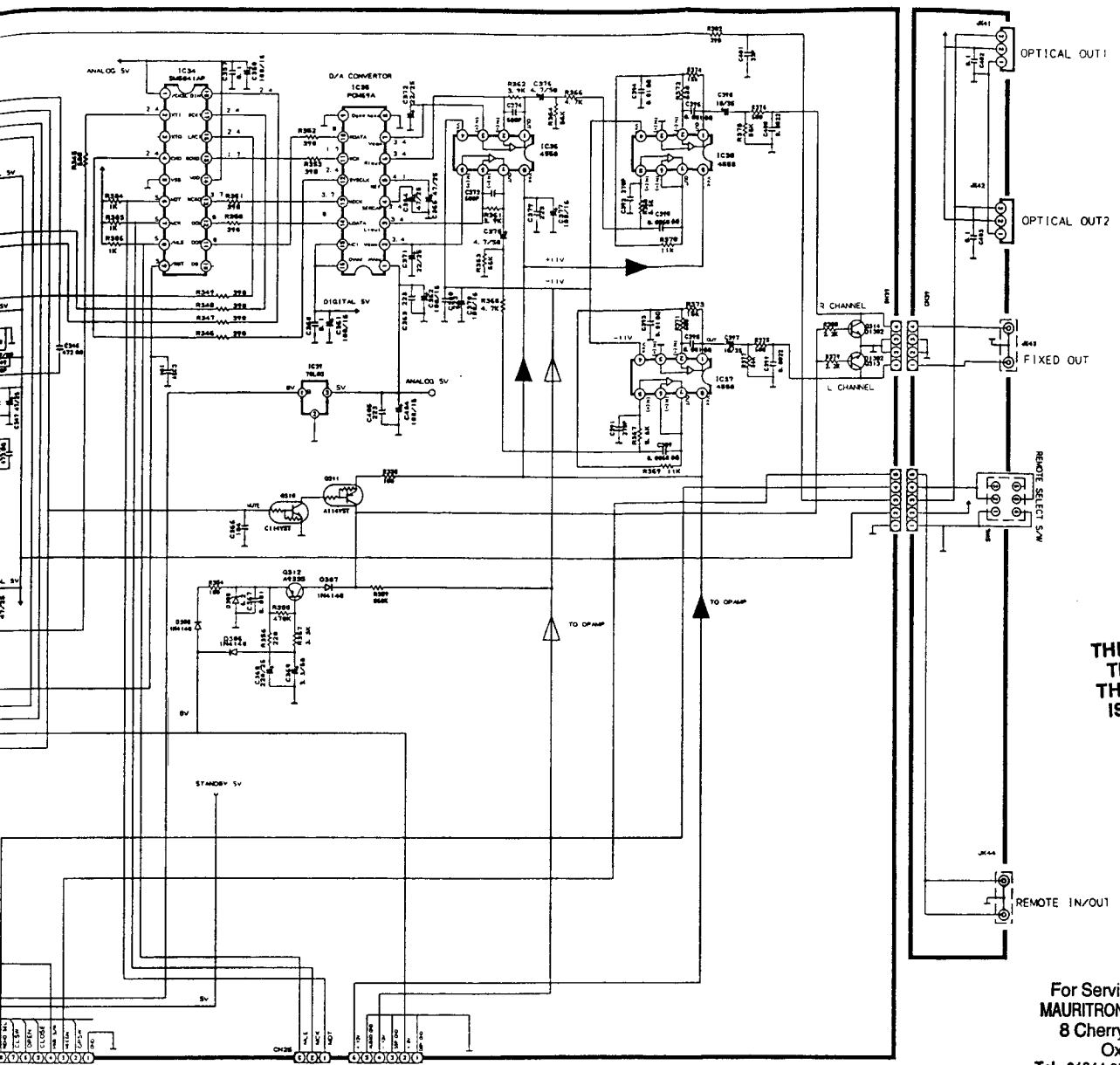
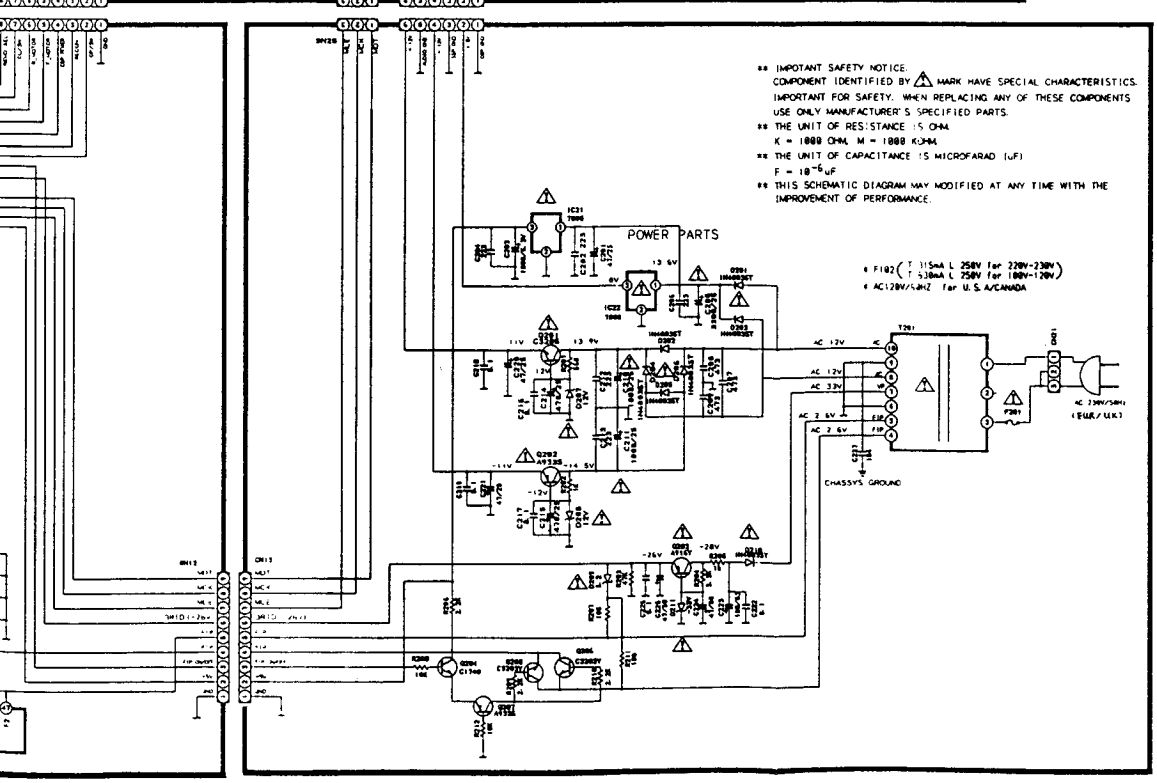




AM

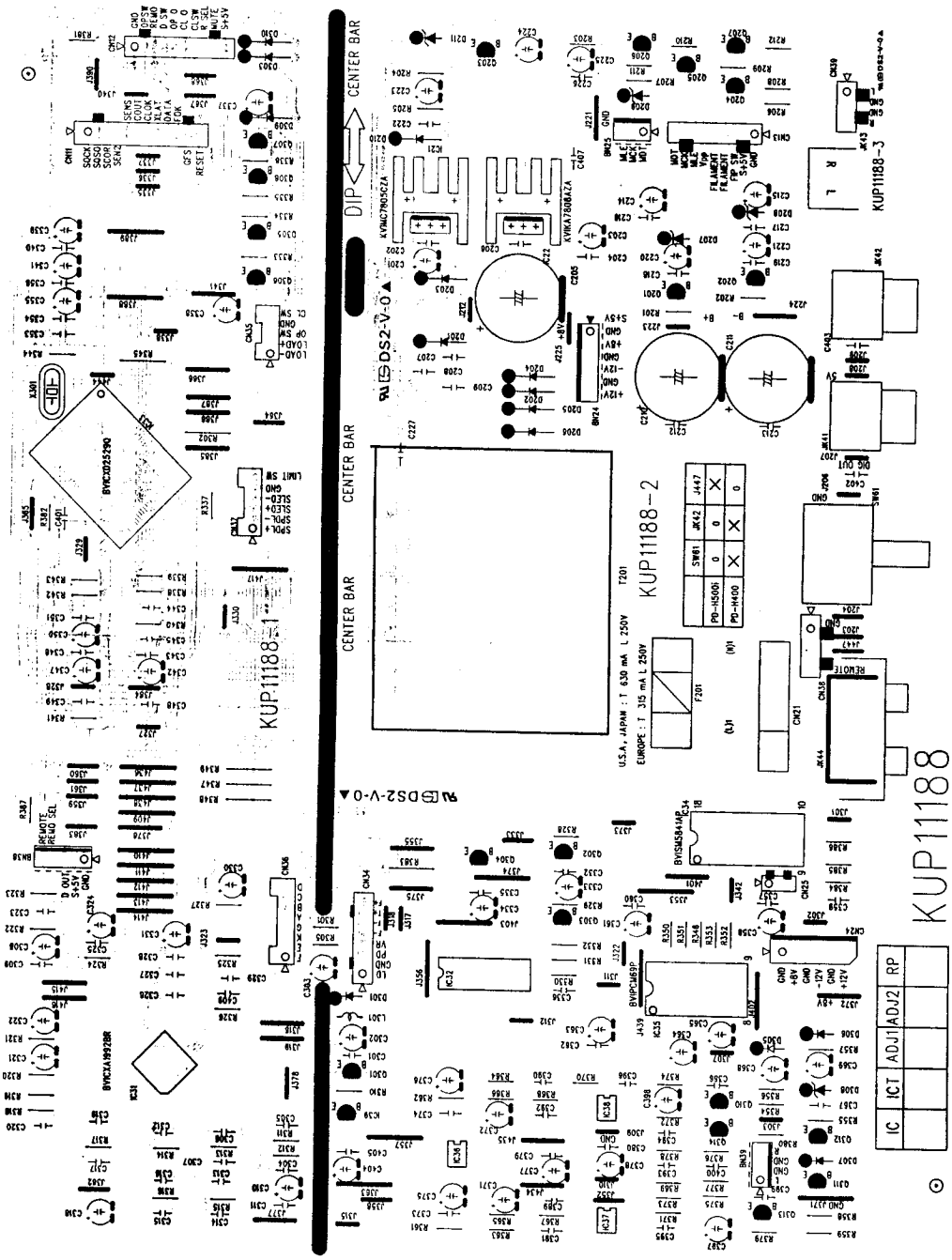

DSP RF POINT
IC31
CXA1992BR
IC33
CXD2529Q
DIGITAL SIGNAL PROCESSOR
IC32
KA92580
IC11
TMP87PM78F
(BV1ANAM1232C)
D/A CONVERTOR
DIGITAL 5V
ANALOG 5V
STANDBY 5V
POWER ON S/W HIGH (5V)

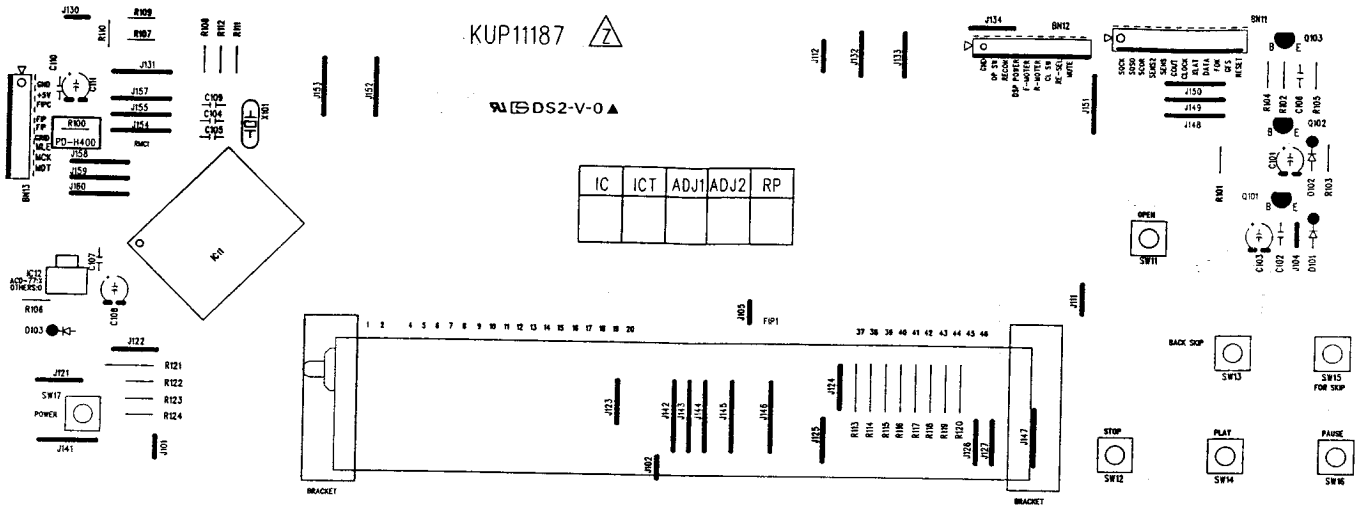




THE QUALITY OF THIS PAGE IS THE BEST THAT IS AVAILABLE

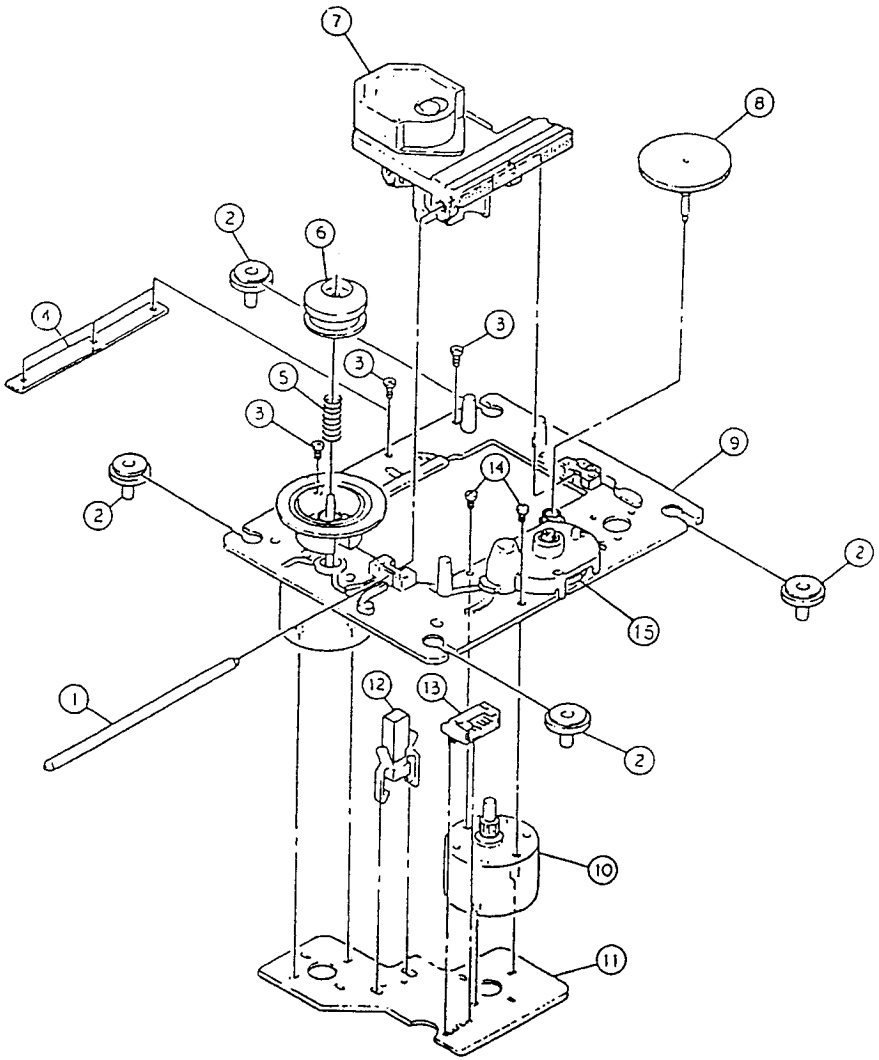
PRINTED CIRCUIT BOARDS




KUP11187
DS2-V-0
IC
ICT
ADJ1
ADJ2
RP
PD-H400
POWER
OPEN
BACK SKIP
FOR SKIP
STOP
PLAY
PAUSE
BRACKET
BRACKET

MECHANISM ASS'Y

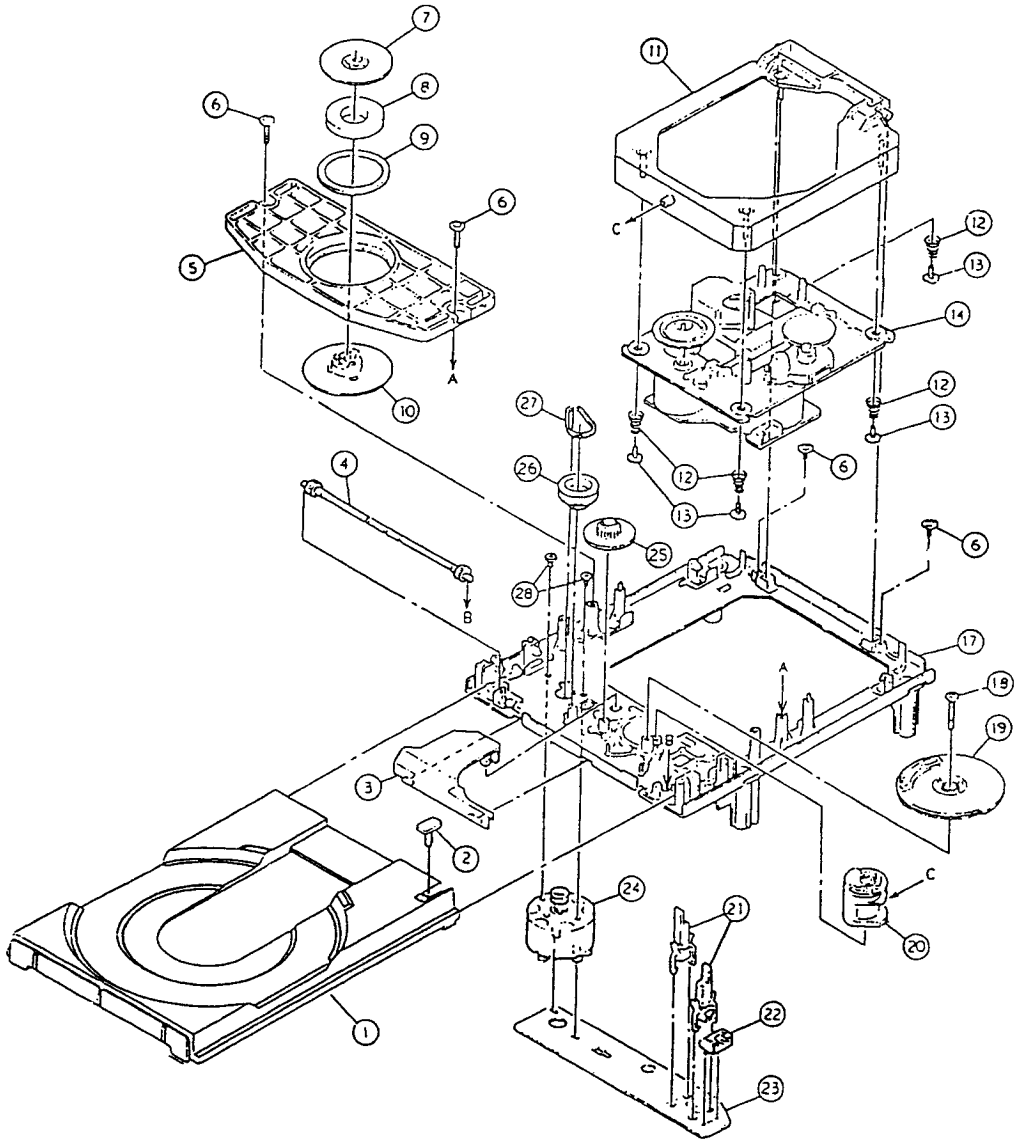
KSM-2101ABM
Disassembly Drawing



EXPLODED VIEW

REF. NO.	PARTS NO.		REMARKS
2- 1	9A07269800	SLED SHAFT (S)	2-626-908-01
2- 2	9A06967400	INSULATOR (S)	2-625-538-01
2- 3	9A06967500	SCREW (2X5), TAPPING (S)	2-641-386-01
2- 4	9A06967600	REINFORCEMENT(S)	2-625-625-01
2- 5	9A06967700	SPRING (S), COMPRESSION	2-625-465-01
2- 6	9A06967800	RING (LO)(S),CENTER	2-625-477-01
2- 7	9A07270000	PIKU UP	8-848-127-31
2- 8	9A07268300	GEAR (A)(S)	2-625-462-02
2- 9	9A06968100	CHASSIS ASSY (MB), TT	X-2625-133-2
2-10	9A06968200	GEAR ASSY (MB), MOTOR	X-2625-132-1
2-11	9A07268100	MOTOR PCB (6P)(S)	1-639-678-13
2-12	9A06968400	SWITCH, LEAF	1-572-085-12
2-13	9A06968500	PIN, CONNECTOR 6P	1-564-722-11
2-14	9A06968600	SCREW +P2X3	7-621-255-15
2-15	9A07269700	GEAR (B)	2-626-081-01

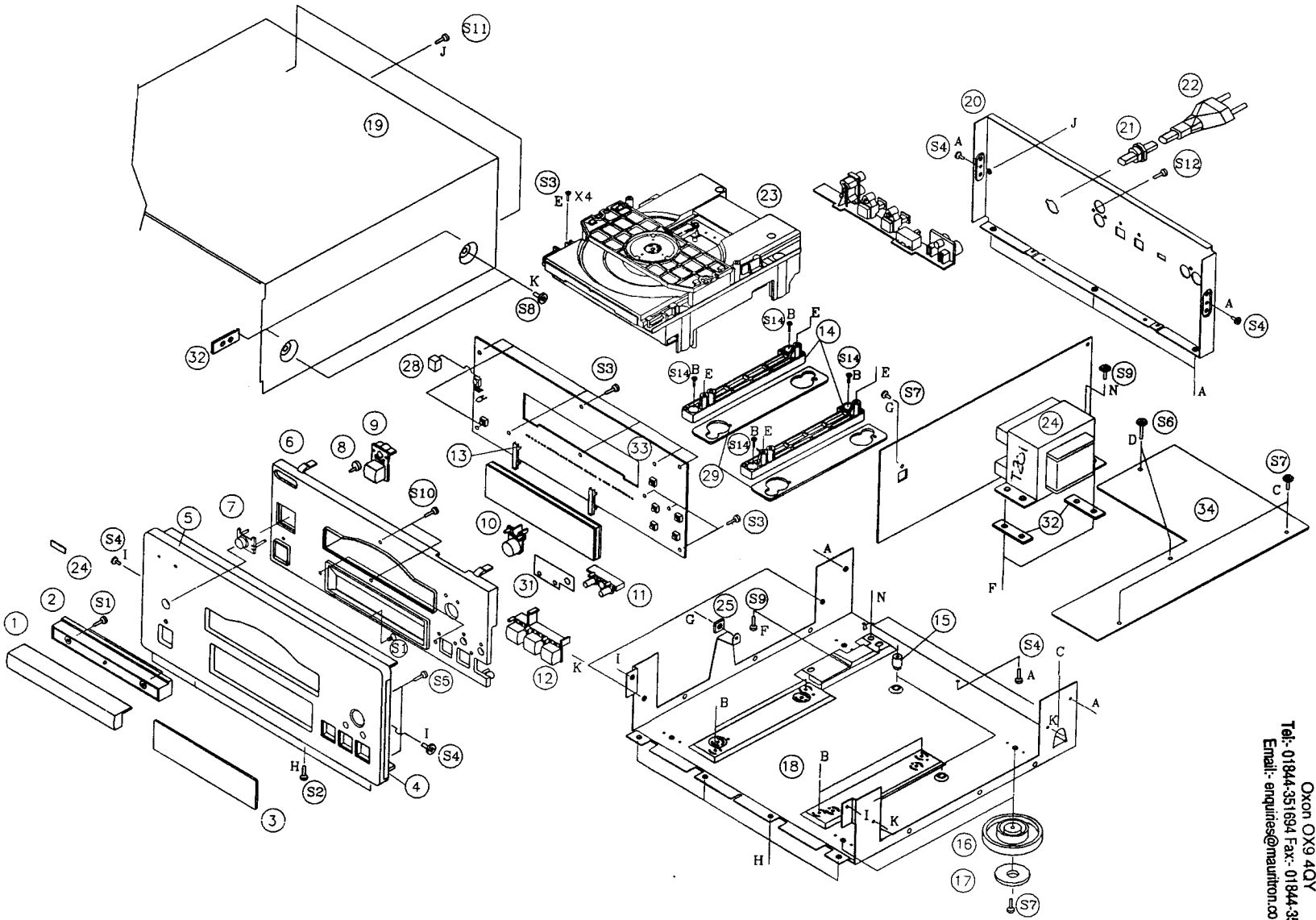
KSL-2101ABM
Disassembly Drawing



EXPLODED VIEW

REF. NO.	PARTS NO.		REMARKS
1-1	9A07269300	TRAY (S)	2-625-550-03
1-2		*VACANT*	
1-3	9A07268800	GEAR COVER (S)	2-625-544-02
1-4	9A07268500	TRAY GEAR	2-625-535-01
1-5	9A07268900	CHUCKING PLATE	2-625-546-01
1-6	9A07269900	+PTPWH 2.6*7	2-626-294-01
1-7	9A06965300	YOKE (S), SHUCKING	2-625-537-01
1-8	9A06965400	MAGNET	1-452-493-21
1-9	9A07268700	DAMPA	2-625-541-02
1-10	9A07269200	CHUCKING PULLY	2-625-548-02
1-11	9A07267600	SUB CHASSIS ASSY (S)	X-2625-227-2
1-12	9A06965800	SPRING (S)	2-625-539-01
1-13	9A07269600	SCREW	2-625-730-01
1-14		*VACANT*	
1-15		*VACANT*	
1-16		*VACANT*	
1-17	9A07269400	AUTO SAD MAIN CHSSIS (S)	2-625-552-07
1-18	9A06966200	SCREW + PTPWH 2.6X16	3-319-501-51
1-19	9A07269100	DRIVER GEAR (S)	2-625-547-03
1-20	9A07269000	CONTROL CAM (S)	2-625-545-04
1-21	9A07268000	LEAF SW	1-692-667-11
1-22	9A06966600	PIN, CONNECTOR 5P	1-564-721-11
1-23	9A07267900	LOADING PWB (S)	1-640-523-12
1-24	9A06966800	MOTOR ASSY, LOADING	X-2625-117-1
1-26	9A07268600	LOADING PULLY	2-625-536-02
1-28	9A06967200	SCREW +B2.6X2.5	2-625-279-01

EXPLODED VIEW



For Service Manuals Contact
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Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

EXPLODED VIEW

REF. NO.		PARTS NO.		REMARKS
1		9A07264600	ORNAMENT , CD	KGX1A221XC11
2		9A07264300	DOOR , CD	KGR1A152K17
3		9A06240500	WINDOW 1A154Y	KGU1A154Y
4		9A06677600	SIDE BAR	KKM1A062C11
5		9A07270700	PANEL , AL	KKM1A054XC11
6		9A07264500	PANEL , SUB	KGW2A179ZK64
7		9A06863500	WINDOW,SENSOR	KGU2A155
8		9A06227400	INDICATOR,POWER	KGL1A120
9		9A06314500	KNOB , POWER	KBT1A387ZK64
10		9A06314300	KNOB , TACT (OPEN/CLOSE)	KBT1A385YK64
11		9A06239700	KNOB , TACT	KBT1A410C13
12		9A06316000	KNOB , TACT	KBT1A386WK64
13		9A05961600	BRACKET, FLT A4-92-1739	KMD1A209
14		9A07264800	SUPPORT	KHG2A163
15		9A06229100	MOUNT , PCB A4-92-1728	KHE1A023
16		9A06315500	FOOT	KKL1A047ZK63
17		9A06229300	CUSHION, FOOT	KHG1A039Z
18		9A07266100	CHASSIS , MAIN	KUA2A137
19		9A06315900	CABNET,TOP	KKC3B077S21
20		9A07270600	PANEL , REAR	KKF2A127SK59
21	⚠	9A01376900	BUSHING,AC CORD HEYCO(SR-	KHR129
22	⚠	9A05328100	CORD,POWER [E]	KJA2B019Z
	⚠	9A06242000	CORD,POWER [J]	KJA2J026Z
23		9A07263600	CDP MECHANISM ASS'Y	BJDKSL-2101ABM
24		9A06224200	BADGE,TEAC	BGB1A047
25		9A06229400	RUBBER , MECHA	KHG1A115
26			*VACANT*	
27			*VACANT*	
28		9A06241300	SUPPORT, SENSOR	KHG1A132
29		9A06241400	RUBBER, SUPPORT	KHG1A135
30			*VACANT*	
33		9A07270800	CD SUB PCB ASS'Y	KOP11187B
34		9A07270910	CD MAIN PCB ASS'Y [E]	KOP11188B
		9A07270900	CD MAIN PCB ASS'Y [J]	KOP11188D
S1		9A06244200	SCREW KTS3+6J	KTS3+6J
S2		9A01397400	SCREW KTS3+8J	KTS3+8J
S3		9A01377400	SCREW,KTB3+10G	KTB3+10G
S4		9A01535800	SCREW,KTB3+8J	KTB3+8J
S5		9A06229000	SCREW , SPECIAL	KHD1A016
S6		9A06244300	SCREW KTW3+14J	KTW3+14J
S7		9A05339200	SCREW KTW3+8J	KTW3+8J
S8		9A05984300	SCREW KTB4+6FFZ	KTB4+6FFZ
S9		9A06545500	SCREW,SPECIAL	KHD2A018
S10		9A06316300	SCREW KTB+6F	KTB3+6F
S11		9A01377200	SCREW KTB3+8JFZ	KTB3+8JFZ
S12		9A01377300	SCREW,KTB3+10GFZ	KTB3+10GFZ
S13			*VACANT*	
S14		9A06241200	SCREW , SPECIAL	KHD5A009
	⚠	9A06239400	FUSE, 2C0630TLE [J]	KBA2C0630TLE
	⚠	9A07270200	FUSE [E]	KBA2C0315TLU

INCLUDED ACCESSORIES

REF. NO.	PARTS NO.		REMARKS
	9A05935900	CORD,PIN	KJS4M014Y
	9A05936000	CORD,PIN	KJS4N001Y
	9A07124600	OWNER'S MANUAL, E/F/G/I/S PD-H500I [E]	KQX1A476Z
	9A07125600	OWNER'S MANUAL (J) [J]	KQX1A491Z

■ Resistor and Capacitor

Notes : · Part numbers are indicated for most mechanical parts.
Please use this part number for parts order.
· IMPORTANT SAFETY NOTICE.
Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.
· The unit of resistance is OHM(Ω)
K=1000(Ω), M=1000(K Ω)
· The unit of capacitance is MICROFARAD(μF).
· P=10^{-6}μF

■ Numbering System of Resistor

Example

KRD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value

Resistor Type	Wattage	Tolerance
KRD:Carbon	20:1/5W	F:=±1%
KRG:Metal Oxide	25:1/4W	J:=±5%
	50:1/2W	K:=±10%
	1:1W	
KRF:Metal Cement	2:2W	
	3:3W	

■ Numbering System of Capacitor

Example

KCKT	1H	101	K	B
Type	Voltage	Value	Tolerance	Peculiarity

Capacitor Type	Voltage		Tolerance
	ECEA Type	Other	
KCB:Ceramic	OJ:6.3V	1H:50V DC	C:±0.25pF
KCC:Ceramic	1A:10V	1:125V DC	G:±2%
KCK:Ceramic	1C:16V	KC:400V AC	J:±5%
KCFR:Semiconductor	1E:25V		K:±10%
KCQI:Polyester	1H:50V		Z:+80%, -20%
KCQP:Polypropylene	1V:35V		
KCQS:Polystyrol			

CD MAIN PCB ASS'Y

REF. NO.		PARTS NO.		REMARKS
		9A07265600	CD MAIN PCB ASS'Y	
		9A07266300	CD MAIN PCB	KOP11188G
		9A05341500	IC, KA7805-ABTU	KUP11188Z
		9A05218300	IC,KA7808-ABTU	KVIMC7805C
		9A05328200	HOLDER,FUSE KJCFC5S	KVIKA7808A
C205	⚠	9A06246900	CAP , ELECT KCEA1EH332E	KJCFC5S
C210.211	⚠	9A06240300	CAP , ELECT KCEA1EAH102E	KCEA1EH332E
C214.215	⚠	9A07264000	CAP , ELECT KCEA1EAHS471E	KCEA1EAH102E
D201-204	⚠	9A05194700	DIODE,1N4003ST	KCEA1EAHS471E
D207.208	⚠	9A05359600	DIODE,ZENER MTZJ12BT	KVD1N4003ST
D209	⚠	9A06236200	DIODE,ZENER MTZJ6.2BT	KVDMTZJ12BT
D210	⚠	9A05194700	DIODE,1N4003ST	KVDMTZJ6.2BT
D211	⚠	9A05193700	DIODE,ZENER MTZJ24BT	KVD1N4003ST
D301	⚠	9A01390500	DIODE,1N4148MT	KVDMTZJ24BT
D303	⚠	9A05194700	DIODE,1N4003ST	KVD1N4148MT
D305-307		9A01390500	DIODE,1N4148MT	KVD1N4003ST
D308	⚠	9A06236200	DIODE,ZENER MTZJ6.2BT	KVD1N4148MT
D309.310	⚠	9A05194700	DIODE,1N4003ST	KVDMTZJ6.2BT
IC31		9A06867800	I.C , SSP CXA1992BR	KVD1N4003ST
IC32		9A05218500	IC,KA9258D	BVICXA1992BR
IC33		9A06867900	I.C , DSP CXD2529Q	KVIKA9258D
IC34		9A07263800	I.C , DIGITAL FILTER	BVICXD2529Q
IC35		9A07263700	I.C BVIPCM69P	BVISM5841AP
IC36-38		9A06871800	I.C KA4558D	BVIPCM69P
IC39	⚠	9A06883400	I.C KA78L05AZTA	KVIKA4558D
JK41		9A06239100	MODULE , OPTICAL	KVIKA78L05A
JK43		9A06242100	JACK , LINE IN TERMINAL	BJS9L001Z
JK44		9A06242200	JACK , BOARD	KJJ4N005Y
L301		9A05356900	COIL , AXAIL 10UH,K	KJJ4N016Z
Q201		9A06871900	TR,KTC3205YT	KLQ02C100KT
Q202	⚠	9A05911600	TR,2SA933SR	KVTKTC3205YT
Q203	⚠	9A05196700	TR,KSA916-Y-SHTA	KVT2SA933SRT
Q204		9A05939500	TR,2SC1740SR	KVTKSA916YT
Q205.206	⚠	9A05197400	TR,KTC3203YT	KVT2SC1740SRT
Q207		9A05911600	TR,2SA933SR	KVTKTC3203YT
Q301		9A05895900	TR,KTA1266YT	KVT2SA933SRT
Q302	⚠	9A05196500	TR,DTC114YST	KVTKTA1266YT
Q303.304	⚠	9A05219100	TR,2SB892T	KVTDTC114YST
Q305.306	⚠	9A06871900	TR,KTC3205YT	BVT2SB892T
Q307.308	⚠	9A05197200	TR,KTA1271YT	KVTKTC3205YT
Q310	⚠	9A05196500	TR,DTC114YST	KVTKTA1271YT
Q311	⚠	9A05196400	TR,DTA114YST	KVTDTC114YST
Q312		9A05911600	TR,2SA933SR	KVTDTA114YST
Q313.314	⚠	9A05197500	TR,KTD1302T	KVT2SA933SRT
T201	⚠	9A07265300	TRANS , POWER	KVTKTD1302T
X301		9A05193100	CRYSTAL, 16934A120C	KLT5M016ZE
				KOX16934A120C

CD SUB PCB ASS'Y

REF. NO.		PARTS NO.		REMARKS
		9A07265500	CD SUB PCB ASS'Y	
		9A05961600	BRACKET, FLT A4-92-1739	KOP11187C
		9A07266200	CD SUB PCB	KMD1A209
C108	⚠	9A06904800	CAP,ELECT ACKS470T	KUP11187Z
D101.102		9A01390500	DIODE,1N4148MT	KCEA1CKS470T
D103		9A05195000	LED,RED SLR342VCF02	KVD1N4148MT
FIP1		9A07313300	F.I.P. SVA08MS14	KVD342VCF02T085
IC11		9A06867700	I.C,MICOM ANAM1232C	KFLSVA08MS14
Q101.103		9A05196500	TR,DTC114YST	BVIANAM1232C
Q102		9A05196400	TR,DTA114YST	KVTDTC114YST
SW11-17		9A06671200	SW,TACT EVQ21505R	KVTDTA114YST
X101		9A05193000	CRYSTAL, 08000E160C	BST1A014ZT
				KOX08000E160C

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