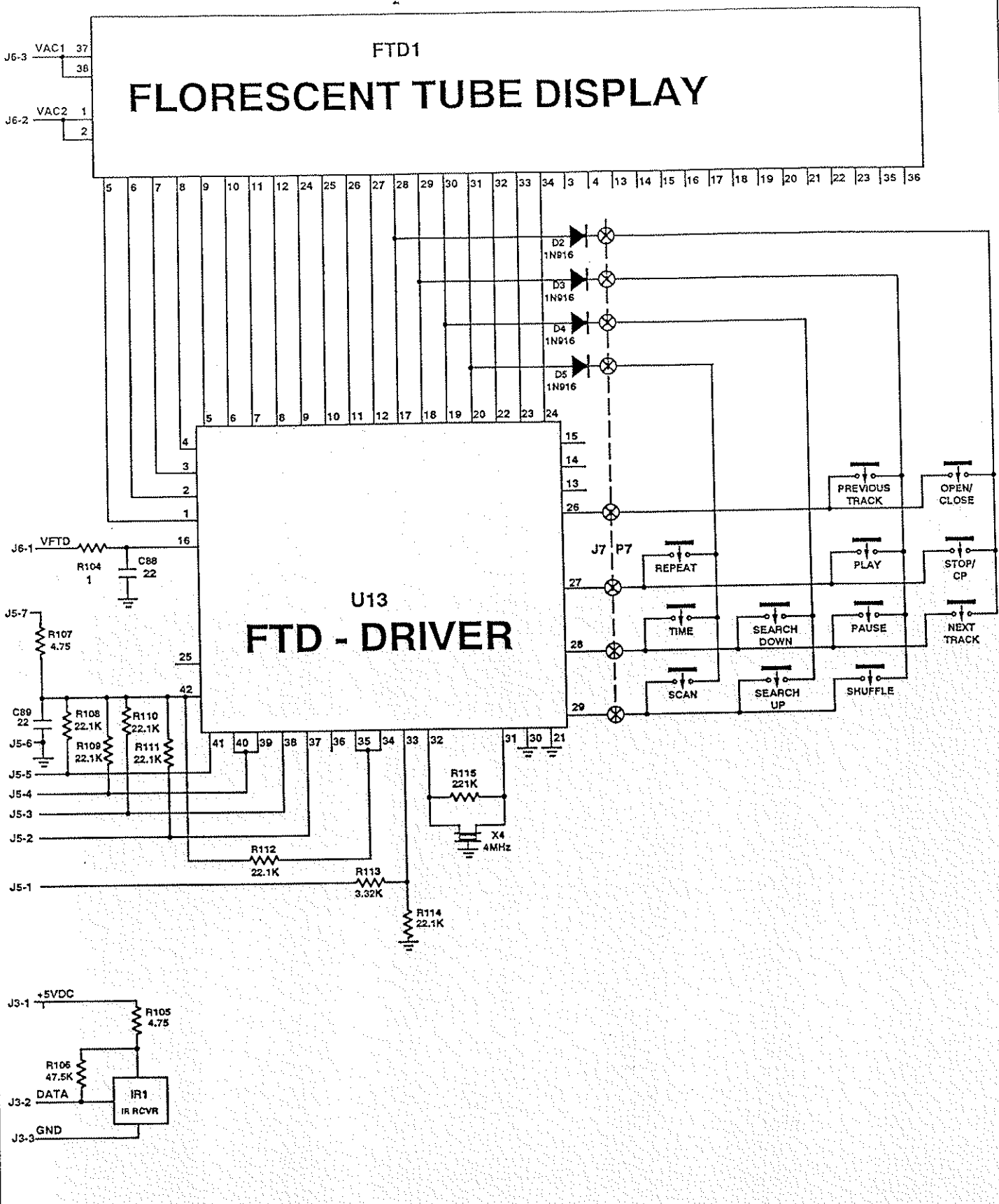
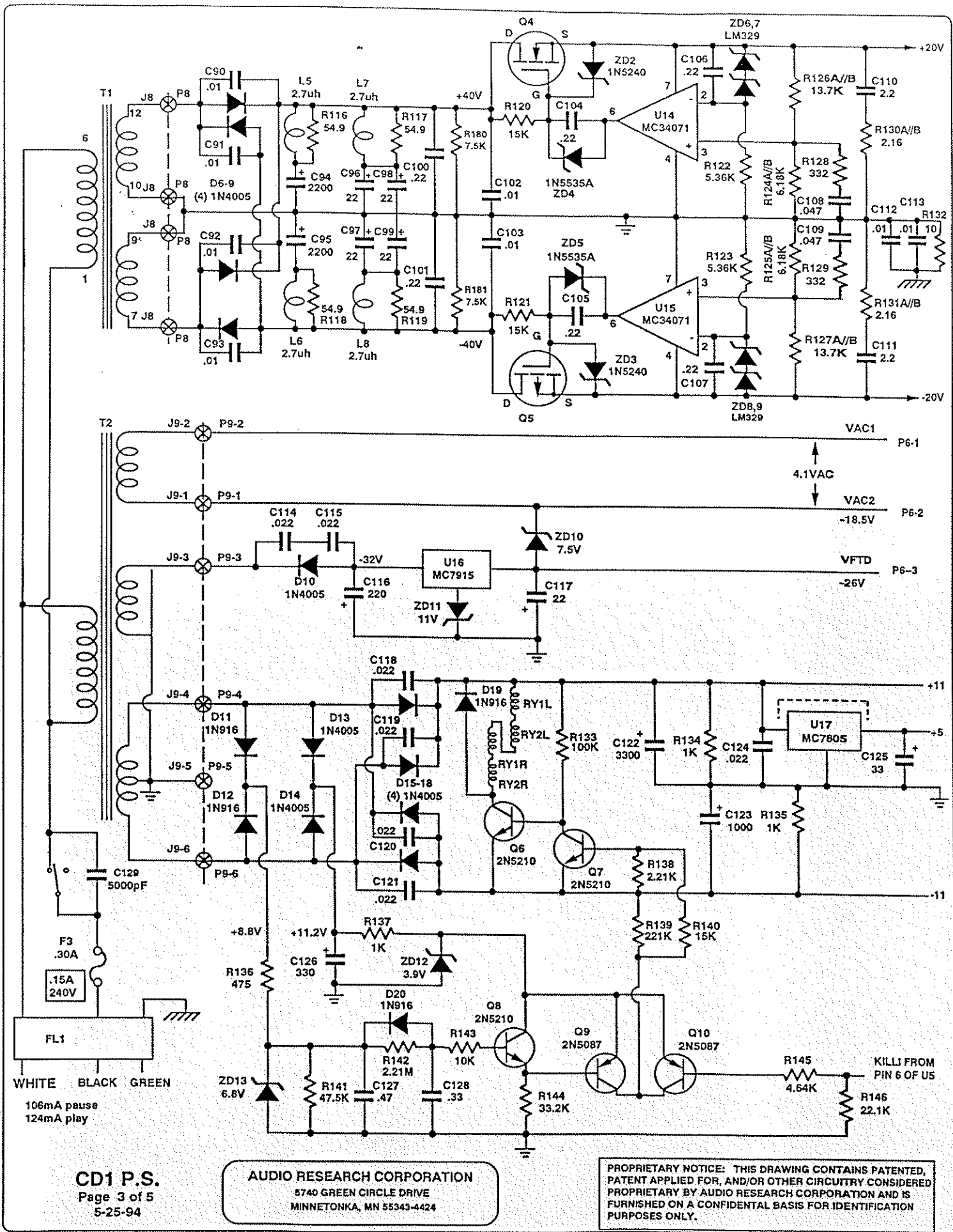


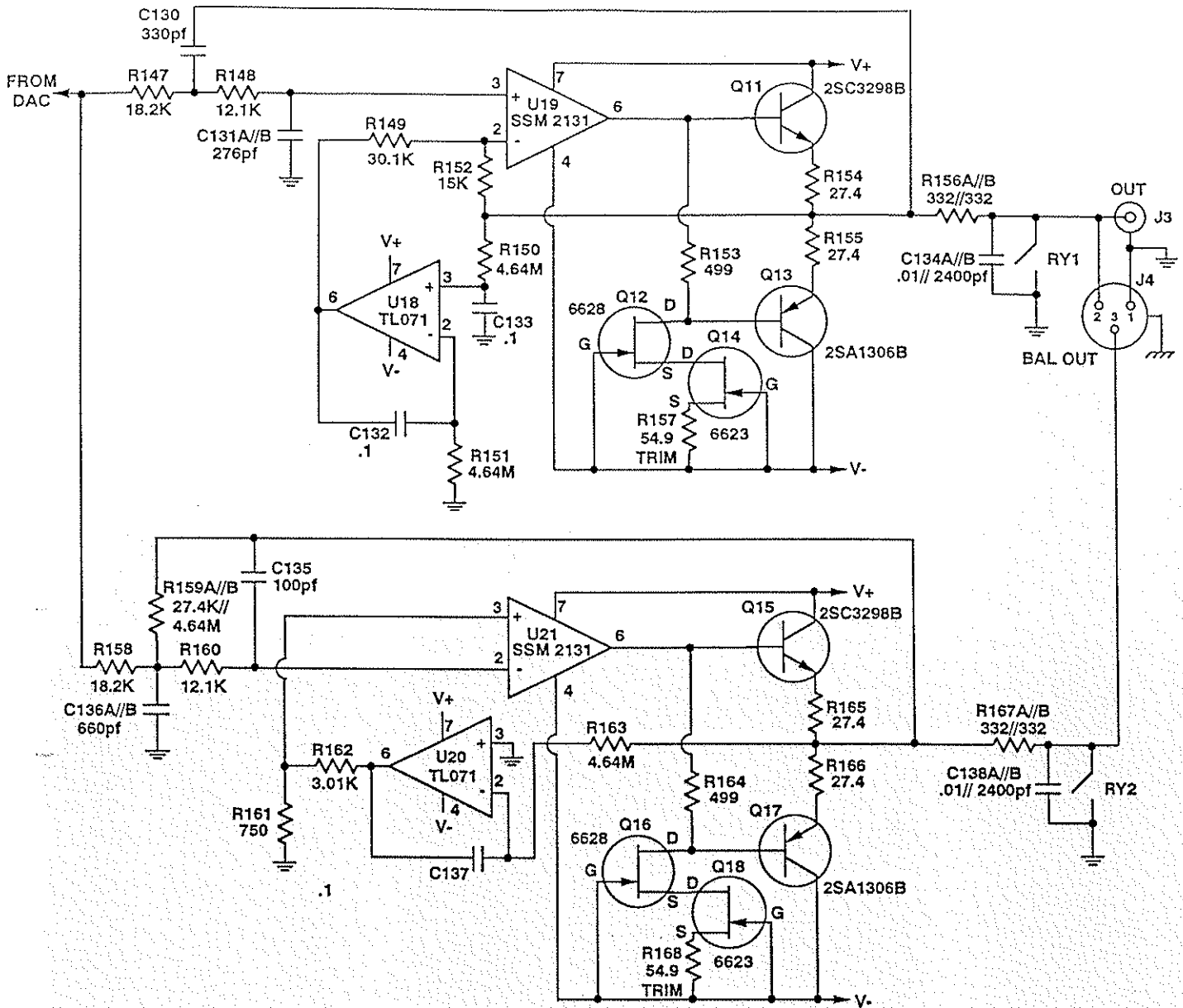
AUDIO RESEARCH CORPORATION
 BIRMINGHAM, AL 35242-0101

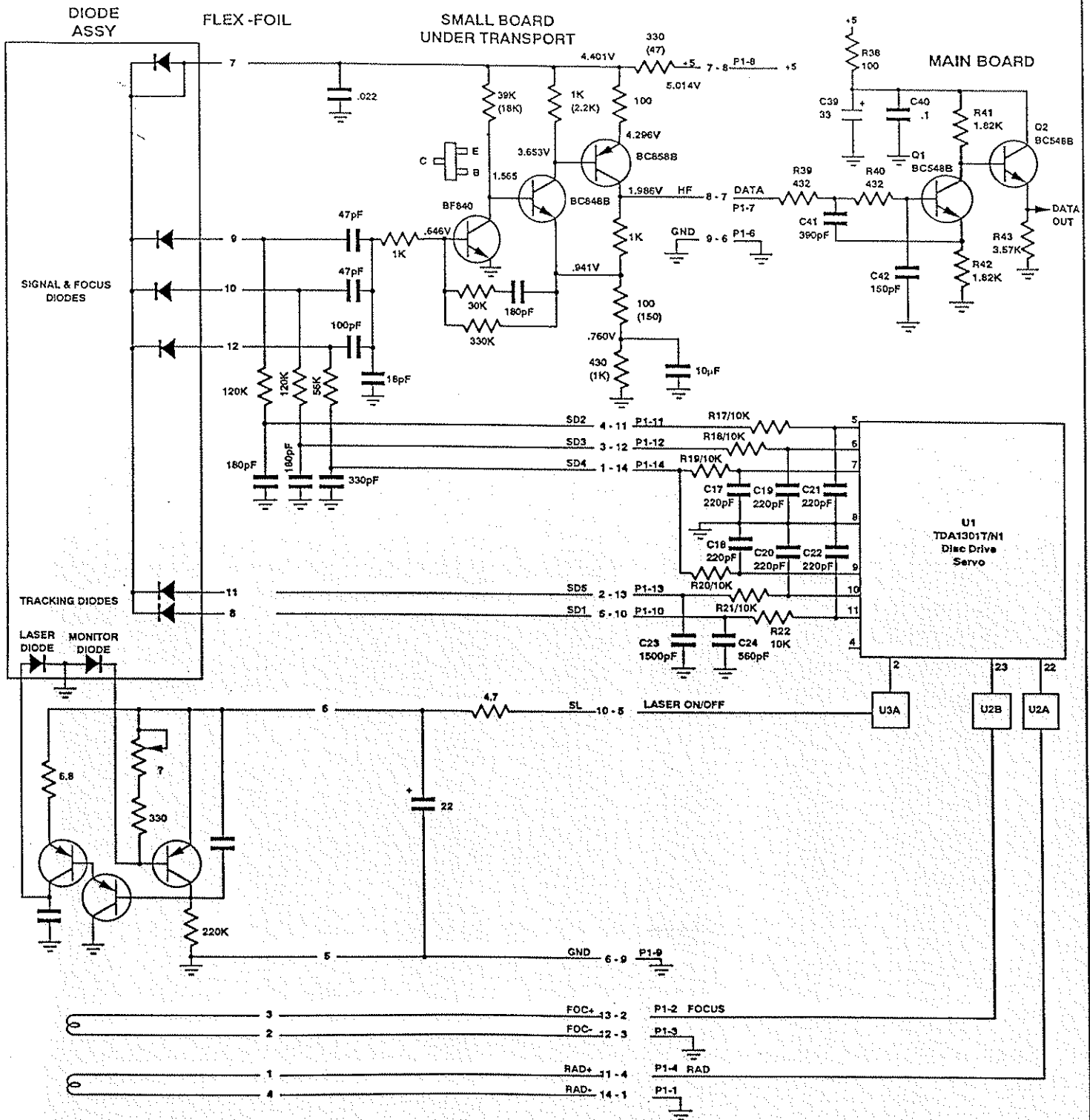
CD1 MAIN
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 3-18-84

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CD1 TRANSPORT
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PARTS LIST

As of MAR31 94

PRODUCT: CD1

NOTES:

Schematic Symbol	Quantity	ARC Part #	Description
D DIODES			
D1-5,11,12,19,20	9	30500910	1N916B
D6-10,13-18	11	30500400	IN4005 GENERAL INSTRUMENT
F FUSES			
F1,2	2	34500004	FUSE 160MA RADIAL
F3	1	34500121	FUSE, MDQ 3/10 SL. BL.220
FL1	1	59000001	LINE FILTER
FTD1	1	33000100	DISPLAY PANEL
IR1	1	34100300	IR RECEIVER, SHARP
J CONNECTORS			
J1A,4A	3	23201981	NEUTRIK DH-NM NICKEL HOUSING
J1B,4B	3	23201982	NEUTRIK 3MD-H-I-B HORIZONTAL M
J2	1	23202200	CONNECTOR,BNC
J3	1	23201509	CHASSIS JACK,RED
J3	1	23201510	CHASSIS JACK,WHITE
L INDUCTORS			
L1-8	8	61000160	CHOKE, 2.7 UH +/- 10%
Q TRANSISTORS			
Q1,2	2	30010500	TRANSISTOR, BC548B
Q3,9,10	3	30003000	TRANSISTOR,2N5087 PNP
Q4	1	30006812	FET, YELLOW GRAY
Q5	1	30007029	FET, GRAY WHITE
Q6,7,8	3	30003100	TRANSIST.,2N5088,2N5209,2N5210
Q11,15	4	30010100	2SC3298B
Q12,16	4	30006628	FET, VIOLET RED GRAY
Q13,17	4	30010000	2SA1306B
Q14,18	4	30006623	FET, VIOLET RED ORANGE
R RESISTORS			
R1,11,32,77,81	5	42221102	RES. 22.1 OHM MK-2 1% 50 PPM
R2,3,7,8,27,28,140	7	42150402	RES. 15.0K MK-2 1% 50 PPM
R4,6,12,17-25,31,34,53-55,59-61,64	27	42100402	RES. 10K MK-2 1% 50 PPM
R 66-70,143			
R5,10,30	3	42698302	RES. 6.98K MK-2 1% 50 PPM
R9,145	2	42464302	RES. 4.64K MK-2 1% 50 PPM
R13,16,29,33,35,37,57,105,107	9	42475002	RES. 4.75 OHM MK-2 1% 50 PPM

PARTS LIST

As of MAR31 94

PRODUCT: CD1

NOTES:

Schematic Symbol	Quantity	ARC Part #	Description
C CAPACITORS			
C1,4,7,9,12,14,16,25,28,30,33,34,38 C 40,48,51-53,55,57	20	52100500	CAP. 0.1 UF 100V
C2,5	2	52180200	CAP. 180PF CERAMIC
C3	1	52270300	CAP. 2700PF CERAMIC
C6,8,11,13,15,27,29,39,49,125	10	50330701	CAP. 33UF 16V
C10	1	52390300	CAP. 3900PF CERAMIC
C17-22	6	52220200	CAP. 220PF CERAMIC
C23	1	52150300	CAP. 1500PF CERAMIC
C24	1	52560200	CAP. 560PF CERAMIC
C26,44	2	52220300	CAP. 2200PF CERAMIC
C31	1	52330400	CAP. .033UF CERAMIC
C32,126	2	50330801	CAP. 330UF 16V
C35	1	52470301	CAP. 4700PF CERAMIC
C36,50,54,114,115,118-121,124	10	52220401	CAP. .022UF CERAMIC
C37	1	50100804	CAP. 100UF 10V
C41	1	52390200	CAP. 390PF CERAMIC
C42	1	52150200	CAP. 150PF CERAMIC
C43	1	52470100	CAP. 47PF CERAMIC
C45,128	2	52330501	CAP. .33UF CERAMIC
C46,70	2	50100601	CAP. 1UF 63V
C47	1	52330100	CAP. 33PF CERAMIC
C56,60,63,66,69,77,83	7	50470701	CAP. 47UF 35V
C58,61,64,67,102,103,134A,138A	10	53100410	CAP. .01 UF 400V MKP10
C59,62,65,68	4	53100506	CAP. .1 UF 160V
C71,72	2	53470304	CAP. 4700 PF STY.
C73	1	52220100	CAP. 22PF CERAMIC
C74,75	2	52100100	CAP. 10PF CERAMIC
C76,79,81,82,85,86	6	52100500	CAP. 0.1 UF 100V
C78,80,84,87,90-93,112,113	10	52100400	CAP. .01 UF 200V
C88,89	2	50220703	CAP. 22UF 40V
C94,95	2	50220904	CAP. 2200 UF 63V.
C96-99	4	50220701	CAP. 22 UF 100V
C100,101,104-107	6	53220507	CAP. .22 UF 10% 160V
C108,109	2	53470402	CAP. 0.047 UF 160V 10%
C110,111	2	53220601	CAP. 2.2 UF 160V 10% MKP10
C116	1	50220801	CAP. 220UF 50V
C117	1	50220702	CAP. 22UF 50V
C122	1	50330901	CAP. 3300UF 16V
C123	1	50100913	CAP. 1000UF 16V
C127	1	52470500	CAP. .47UF CERAMIC
C129	1	52500300	CAP. .005 UF 20% CERAMIC DISC
C130	2	53330201	CAP. 330 PF ±2.5% 630V PPN
C131A	2	53220201	CAP. 220 PF ±2.5% 630V PPN
C131B	2	53560103	CAP. 56 PF +/-2% 630V DPN
C132,133,137	6	53100505	CAP. .1 UF 10% 63V
C134B,138B	4	53240305	CAP. .0024 PF 2% 630V
C135,136B	4	53100202	CAP. 100 PF +/-2 1/2% 630 V PPN
C136A	2	53560201	CAP. 560 PF +/-2.5% 630V

PARTS LIST

As of MAR 31 94

PRODUCT: CD1

NOTES:

Schematic Symbol	Quantity	ARC Part #	Description
R14,15,48,50,58,137	6	42100302	RES. 1K MK-2 1% 50 PPM
R26,93	2	42100602	RES. 1 MEG 1% MK2 50PPM
R36,46,49,62,63,65,108-112,114,146	13	42221402	RES. 22.1K MK-2 1% 50 PPM
R38,44,96	3	42100202	RES. 100 OHM MK-2 1% 50 PPM
R39,40	2	42432202	RES. 432 OHM MK-2 1% 50 PPM
R41,42,91,92	4	42182302	RES. 1.82K MK-2 1% 50 PPM
R43	1	42357302	RES. 3.57K MK-2 1% 50 PPM
R45,52,138	3	42221302	RES. 2.21K MK-2 1% 50 PPM
R47	1	42562202	RES. 562 OHM MK-2 1% 50 PPM
R51,142	2	42221602	RES. 2.21 MEG 1% MK-2 50PPM
R56	1	42215502	RES. 215K MK-2 1% 50 PPM
R71,72,75,76	4	42121402	RES. 12.1K 1% MK2 50PPM
R73,82,83,89,90,95,100-102,104	10	42100002	RES. 1 OHM MK-2 1% 50 PPM
R74,103	2	42825302	RES. 8.25K MK-2 1% 50 PPM
R78,106,141	3	42475402	RES. 47.5K MK-2 1% 50 PPM
R79,80,98,133	4	42100502	RES. 100K MK-2 1% 50 PPM
R84,94,99	3	42110202	RES. 110 OHM MK-2 1% 50 PPM
R85-88,116-119,157,168,	12	42549103	RES. 54.9 OHM 1% MK-3 50PPM
R97	1	42499202	RES. 499 OHM MK2 1% 50 PPM
R113	1	42332302	RES. 3.32K MK-2 1% 50 PPM
R115,139	2	42221502	RES. 221K MK-2 1% 50 PPM
R120,121,152	4	42150403	RES. 15K 1% MK-3 50PPM
R122,123	2	42536303	RES. 5.36K 1% MK-3 50PPM
R124A,125A	2	42118403	RES. 11.8K 1% MK-3 50PPM
R124B,125B	2	42130403	RES. 13K 1% MK-3 50PPM
R126A,126B,127A,127B,159A	6	42274403	RES. 27.4K 1% MK-3 50PPM
R128,129,156A,156B,167A,167B	10	42332203	RES. 332 OHM 1% MK-3 50PPM
R130A,130B,131A,131B	4	42432003	RES. 4.32 OHM 1% MK-3 50PPM
R132	1	42100103	RES. 10 OHM 1% MK-3 50PPM
R134,135	2	42100303	RES. 1K 1% MK-3 50PPM
R136	1	42475202	RES. 475 OHM MK-2 1% 50 PPM
R144	1	42332402	RES. 33.2K MK-2 1% 50 PPM
R147,158	4	42182413	RES. 18.2K 1% MK-4 50PPM
R148,160	4	42121403	RES. 12.1K 1% MK-350PPM
R149	2	42301403	RES. 30.1K 1% MK3 50PPM
R150,151,159B,163	8	42464603	RES. 4.64 MEG. 1% MK-3 50PPM
R153,164	4	42499203	RES. 499 OHM 1% MK-3 50PPM
R154,155,165,166	8	42274103	RES. 27.4 OHM1% MK-3 50PPM
R161	2	42750203	RES. 750 OHM 1% MK-3 50PPM
R162	2	42301303	RES. 3.01K 1% MK-3 50PPM

RY RELAYS

RY1,2	4	64101010	RELAY, 5V DAC1
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SW SWITCHES

SW1	1	24200700	SWITCH,PUSH BUTTON,D240
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PARTS LIST

As of MAR 31 94

PRODUCT: CD1

NOTES:

Schematic Symbol	Quantity	ARC Part #	Description
T TRANSFORMERS			
T1	1	60009300	XFR. DIGITAL
T2	1	60011500	XFR. CD1 120V
T3,4	2	60010300	XFR. PULSE PE65612
U INTEGRATED CIRCUITS			
U1	1	31005900	DISC DRIVE SERVO PHILLIPS
U2,3,7	3	31005800	DUAL POWER OP AMP
U4	1	31006000	DATA MICROPROCESSOR PHILLIPS
U5	1	31006100	CONTROL MICROPROCESSOR PHILLIPS
U6	1	31006300	D-RAM MEMORY 8-16 DECODE
U8	1	34100010	TOTX176
U9	1	34100200	GLASS TRANSMITTER, AT&T
U10	1	31005620	QUAD D FLIP-FLOP
U11	1	31005700	LINE DRIVER, AM26LS31PC
U12	1	31003300	IC, HEX INVERTER
U13	1	31006200	DISPLAY DRIVER
U14,15	2	31002200	MC34071P
U16	1	31002700	MC7915 CT MOT.
U17	1	31002910	IC, 5V REGULATOR
U18,20	4	31001901	TLO71CP TESTED(RED LINE)
U19,21	4	31002310	IC, SSM2131P
X CRYSTALS			
X1	1	27000300	8.46MHZ RESONATOR
X2,4	2	27000200	4MHZ RESONATOR
X3	1	27000010	16.9344MHZ CRYSTAL
ZD ZENER DIODES			
ZD1,12	2	30505300	3.9V ZENER
ZD2,3	2	30504400	IN5240B
ZD4,5	2	30504210	IN5535A (KNOX ONLY)
ZD6-9	4	31000705	LM329DZ GREEN
ZD10	1	30505000	7.5V ZENER
ZD11	1	30504900	11V ZENER
ZD13	1	30505100	6.8V ZENER