Circuit Description	JBL Part No.	Description		
CAPACITORS				
All capacitors are in µF unless otherwise noted.				
C2	4844	51 pF	500 V ±5%	Mica
C3	48429	10 pF	500 V ±5%	
C4	53423	50	50 V	
C5	48433	20 pF	500 V ±5%	Mica
C6	–			
C7	40433	20 pF	500 V ±5%	Mica
C8	36188	22	25 V	
C9	58739-2205	22	25 V	
C10	–			
C11	58739-2205	22	25 V	
RESISTORS				
Resistors are fixed, carbon-film, 1/4 W, ±5% unless otherwise indicated.				
R2	36486	16 k		
R3	36522	510 k		
R4	58683-1302	13 k	±2%	metal film
R5	36457	1 k		
R7	58683-1302	13 k	±2%	metal film
R8	36457	1 k		
R10	36474	5.1 k		
R11	58683-1002	10 k	±2%	metal film
R12	58683-6200	620	±2%	metal film
R14	36474	5.1 k		
R15	36477	6.8 k		
R16	58683-1002	10 k	±2%	metal film
R17	58683-1002	10 k	±2%	metal film
R18	58683-1002	10 k	±2%	metal film
R19	36426	51		
R20	36426	51		
R21	36468	3 k		
POTENTIOMETERS				
R6	59179-02	100 k		
R9	59179-02	100 k		
R13	59327-01	50 k		
SEMICONDUCTOR				
AR1	59028	TL074CN	quad op amp	
CR1	52544	1N914B		
CR2	52544	1N914B		
VR1	59321	LED-photoconductor isolator		
SOCKET				
J1	59021-02	14 pin		
SWITCHES				
S1	58407	2PDT		
S2	58407	2PDT		

60992-01 A2 & PL 6/81 Printed in U.S.A.

Circuit Description	JBL Part No.	Description		
CAPACITORS				
All capacitors are in μF unless otherwise noted.				
M.P. are metallized polycarbonate.				
C1	58739-2205	22	25 V	
C2	58690	0.1	100 V ±5%	M.P.
C3	58690	0.1	100 V ±5%	M.P.
C4	48433	20 pF	500 V ±5%	Mica
C6	36188	22	25 V	
C7	58690	0.1	100 V ±5%	M.P.
C8	36188	22	25 V	
RESISTORS				
Resistors are fixed, carbon-film, 1/4 W, ±5%.				
R2	36481	10 k		
R4	36521	470 k		
R6	36481	10 k		
R7	36481	10 k		
R8	36473	4.7 k		
R9	35621	100 k		
R10	36461	1.5 k		
R11	36497	47 k		
R12	36453	680		
R13	36481	10 k		
R14	36485	15 k		
R15	36492	30 k		
R16	36503	82 k		
R17	36497	47 k		
R18	35605	22 k		
R19	36470	3.6 k		
POTENTIOMETERS				
R1	59327-01	50 k		
R3	59320	25 k		
SEMICONDUCTORS				
AR1	59028	TL074CN		
CR1	52544	1N914B		
CR2	39869	1N4003		
CR3	52544	1N914B		
CR4	47611		bridge rectifier	
Q1	48340	MPSA06		
Q2	48338	2N5210		
SOCKET				
J2	59021-02			
SWITCHES				
S1	58407		2PDT	
S2	58407		2PDT	
S3	58407		2PDT	
S4	58402			
S5	58407		2PDT	

60992-02 A3 & PL 6/81 Printed in U.S.A.

Circuit Description	JBL Part No.	Description
CAPACITORS		
All capacitors are in μF.		
C1	13189	0.01
C2	13189	0.01
CONNECTORS		
MIC 1	47600	XLR-type
MIC 2	47600	XLR-type
METER		
M1	55098	
RIBBON CABLE		
W2	59315-01	
W3	59315-01	
POWER CORD		
W1	82477	
SOCKETS		
LINE-MIC 1	55106	
LINE-MIC 2	55106	
SWITCH		
S1	54953	
TERMINAL STRIPS		
TB1	82706	
TB2	82706	
TB3	82706	
TB4	59303	
TRANSFORMERS		
T1	59306	
T2	59299	

Circuit Description	JBL Part No.	Description	
CAPACITORS			
All capacitors are in μF.			
C1	13189	0.01	1.4 KV
C2	13189	0.01	1.4 KV
CONNECTORS			
MIC 1	47600	XLR-type	female
MIC-2	47600	XLR-type	female
METER			
M1	55098		
RIBBON CABLE			
W2	59315-01		
W3	59315-01		
POWER CORD			
W1	82477		
SOCKETS			
LINE-MIC 1	55106		9 pin socket
LINE-MIC 2	55106		9 pin socket
SWITCH			
S1	54953		power
TERMINAL STRIPS			
TB1	82706		
TB2	82706		
TB3	82706		
TB4	59303		commoning connector
TRANSFORMERS			
T1	59306		power
T2	59299		output

Circuit Description	JBL Part No.	Description			
CAPACITORS					
All capacitors are in µF unless otherwise noted.					
M.P. are metallized polycarbonate.					
C1	48433	20 pF	500 V	±5%	Mica
C2	48433	20 pF	500 V	±5%	Mica
C3	58739-2205	22	25 V		
C4	58724-1007	1000	10 V		
C5	48433	20 pF	500 V	±5%	Mica
C6	58739-2205	22	25 V		
C7	48433	20 pF	500 V	±5%	Mica
C8	48433	20 pF	500 V	±5%	Mica
C9	58739-2205	22	25 V		
C10	58724-1007	1000	10 V		
C11	48433	20 pF	500 V	±5%	Mica
C12	58739-2205	22	25 V		
C13	58739-2205	22	25 V		
C14	58730-1006	100	25 V		
C15	58690	0.1	100 V	±5%	M.P.
C16	58739-2205	22	25 V		
C17	58739-2205	22	25 V		
C18	58730-1006	100	25 V		
C19	58690	0.1	100 V	±5%	M.P.
C20	58739-2205	22	25 V		
C21	58725-2206	220	50 V		
C22	58725-2206	220	50 V		
C23	58725-1005	10	50 V		
C24	58738	0.01	100 V	±5%	M.P.
C25	58690	0.1	100 V	±5%	M.P.
C27	58730-3306	330	25 V		
C28	58690	0.1	100 V	±5%	M.P.
C29	48429	10 pF	500 V	±5%	Mica
C30	48433	20 pF	500 V	±5%	Mica
C31	48429	10 pF	500 V	±5%	Mica
C32	53078	1	100 V	±5%	M.P.
CONNECTORS					
J1	59021-02				
J2	59021-02				
J3	58722-07		5 pin		
J4	58722-09		6 pin		
J5	58722-09		6 pin		
J6	59290		4 pin		
HEAT SINK					
	58400		dual		
INSULATOR					
	58488		dual		

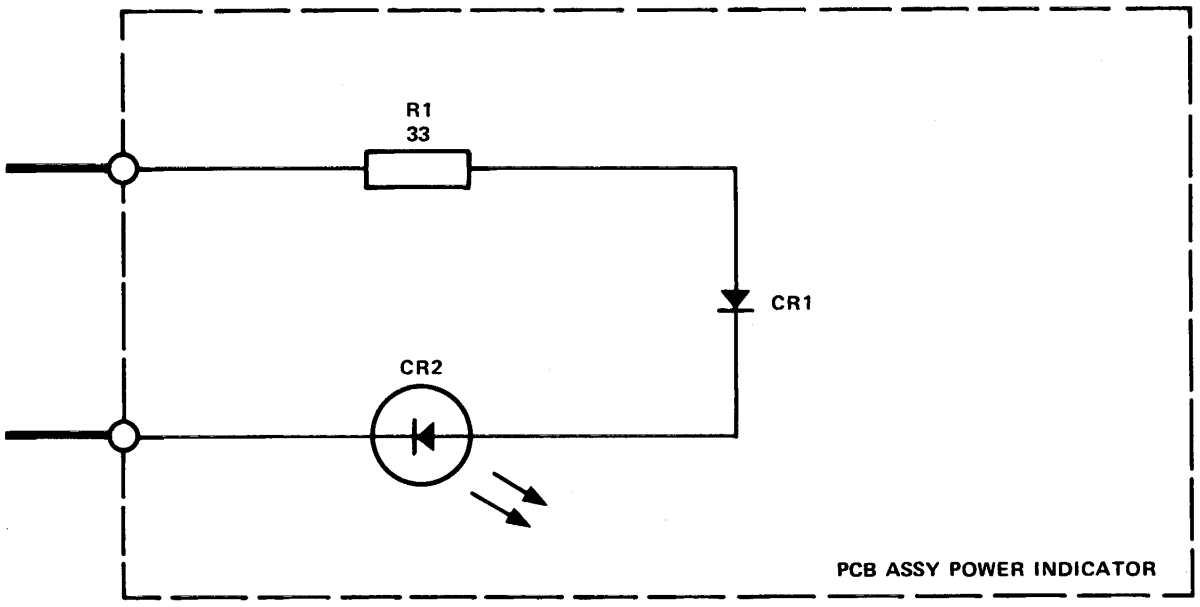
Circuit Description	JBL Part No.	Description			
RESISTORS					
Resistors are fixed, carbon-film, 1/4 w, ±5% unless otherwise noted.					
R1	36478	7.5 k			
R2	36481	10 k			
R3	36517	330 k			
R4	58683-5102	51 k	±2%	metal film	
R5	36485	15 k			
R6	36481	10 k			
R7	36479	8.2 k			
R8	36484	13 k			
R9	36481	10 k			
R10	36456	910			
R11	36436	130			
R12	36485	15 k			
R13	36457	1 k			
R14	36481	10 k			
R15	36478	7.5 k			
R16	36481	10 k			
R17	36517	330 k			
R18	58683-5102	51 k	±2%	metal film	
R19	36485	15 k			
R20	36481	10 k			
R21	36479	8.2 k			
R22	36484	13 k			
R23	36481	10 k			
R24	36456	910			
R25	36436	130			
R26	36485	15 k			
R27	36457	1 k			
R28	36481	10 k			
R29	36426	51			
R30	36426	51			
R31	36426	51			
R32	36426	51			
R33	36426	51			
R34	36426	51			
R35	36429	68			
R36	36493	33 k			
R37	36493	33 k			
R38	36429	68			
R40	36514	240 k			
R41	81055	1 meg			
R42	36464	2 k			
R43	35621	100 k			
R44	36443	270			
R46	36449	470			
R47	36481	10 k			
R48	36419	10			
R50	36425	47			
R51	36425	47			

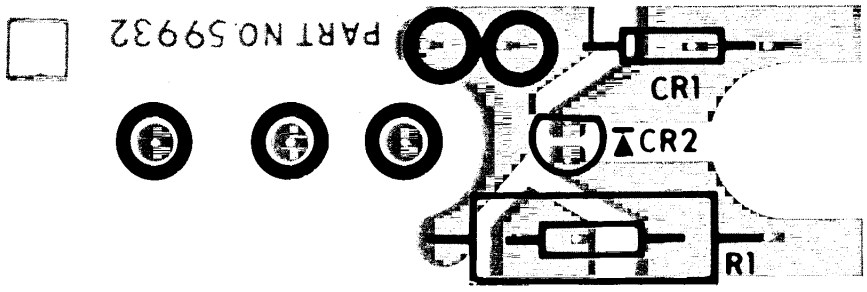
Circuit Description	JBL Part No.	Description			
RESISTORS					
R53	36478	7.5 k			
R54	36482	11 k			
R55	36491	27 k			
R56	36481	10 k			
R57	36419	10			
R58	36481	10 k			
R59	36481	10 k			
R60	35549	100			
R61	35621	100 k			
R63	36521	470 k			
R64	36521	470 k			
R65	36481	10 k			
R66	36488	20 k			
R67	35621	100 k			
R68	35605	22 k			
R69	36481	10 k			
R70	36481	10 k			
R71	36457	1 k			
R72	36522	510 k			
R73	36502	75 k			
R74	36526	750 k			
R75	36481	10 k			
R76	58683-2701	27 k	±2%	metal film	
R77	58683-2701	27 k	±2%	metal film	
POTENTIOMETERS					
R52	59263	25 k	linear		
R62	59263	25 k	linear		
RELAY					
K1	59038		24 V DC		
SEMICONDUCTORS					
AR1	59028	TL074CN			
AR2	59028	TL074CN			
CR1	55648		bridge rectifier		
CR2	52544	1N914B			
CR3	52544	1N914B			
CR4	59878	1N4746A			
CR5	39869	1N4003			
CR6	52544	1N914B			
CR7	52544	1N914B			
CR8	59878	1N4746A			
CR9	52544	1N914B			
CR10	59034	1N4731			
CR11	52544	1N914B			
CR12	52544	1N914B			
CR13	52544	1N914B			
CR14	52544	1N914B			
CR15	52544	1N914B			

Circuit Description	JBL Part No.	Description	
Q1	59030	PF-5101-3	
Q2	59030	PF-5101-3	
Q3	58720	2N6123	
Q4	48337	2N5086	
Q5	48338	2N5210	
Q6	58719	2N6126	
Q7	48337	2N5086	
Q8	55411	MJE182	
Q9	48340	MPSA06	
Q10	55201	MPSA356	
Q11	48338	2N5210	
Q12	48337	2N5086	
Q13	48338	2N5210	
SWITCHES			
S1	59301		6PDT
S2	59301		6PDT

60992-03 A1 & PL 6/81 Printed in U.S.A.

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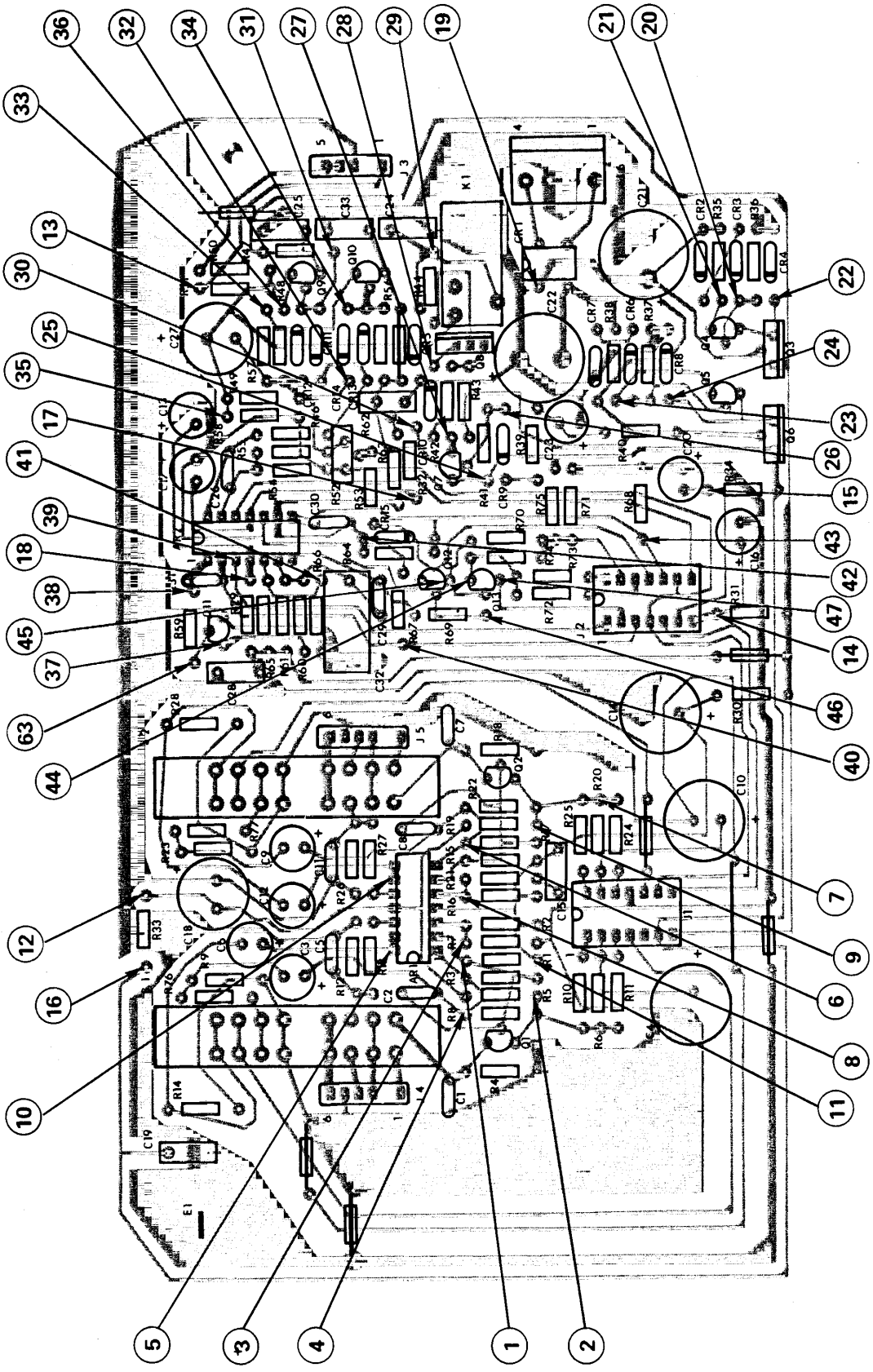
Circuit Description	JBL Part No.	Description
RESISTOR		
Resistor 1/4 W, ±5%		
R1	36421	33 LED
SEMICONDUCTORS		
CR1	39869	IN4003
CR2	59894	Green Led

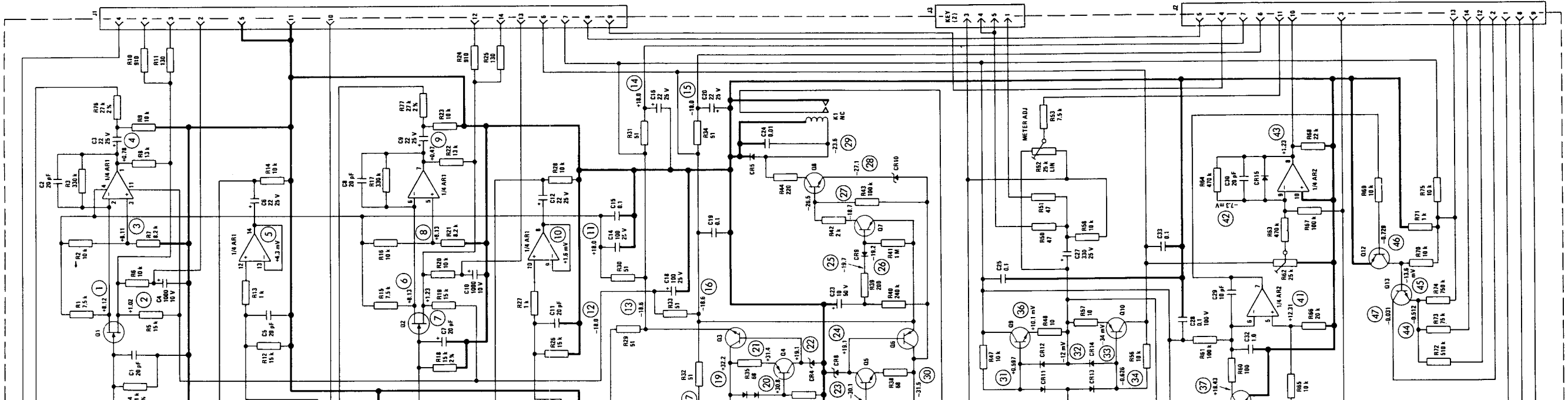
7130 Power Indicator P.C. Board Assembly

60992-04 01 & PL 6/81 Printed in U.S.A.

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IS





Notes: Unless otherwise specified

1. Voltage measurements made with a Fluke DVM, no signal applied, negative lead of DVM to ground, 120 V AC line

7130 A1-Input P.C. Board Assembly and Parts List

60992-03 A1 & PL 6/81 Printed In U.S.A.

INPUT 1

DIRECT
GND
LO
HI
CHASSIS

TB2

GRN
BLK
WHT
BLK
RED
WHT

MIC 1

LINE–MIC 1

BLK
GRN
RED
WHT

P4 J4

INPUT 2

DIRECT
GND
LO
HI
CHASSIS

TB1

GRN
BLK
WHT
BLK
RED
WHT

MIC 2

LINE–MIC 2

WHT
GRN
BLK
RED

P5 J5

P6 J6

J1 P1

W2

J3 P3

BLK
ORG
GRN
BRN

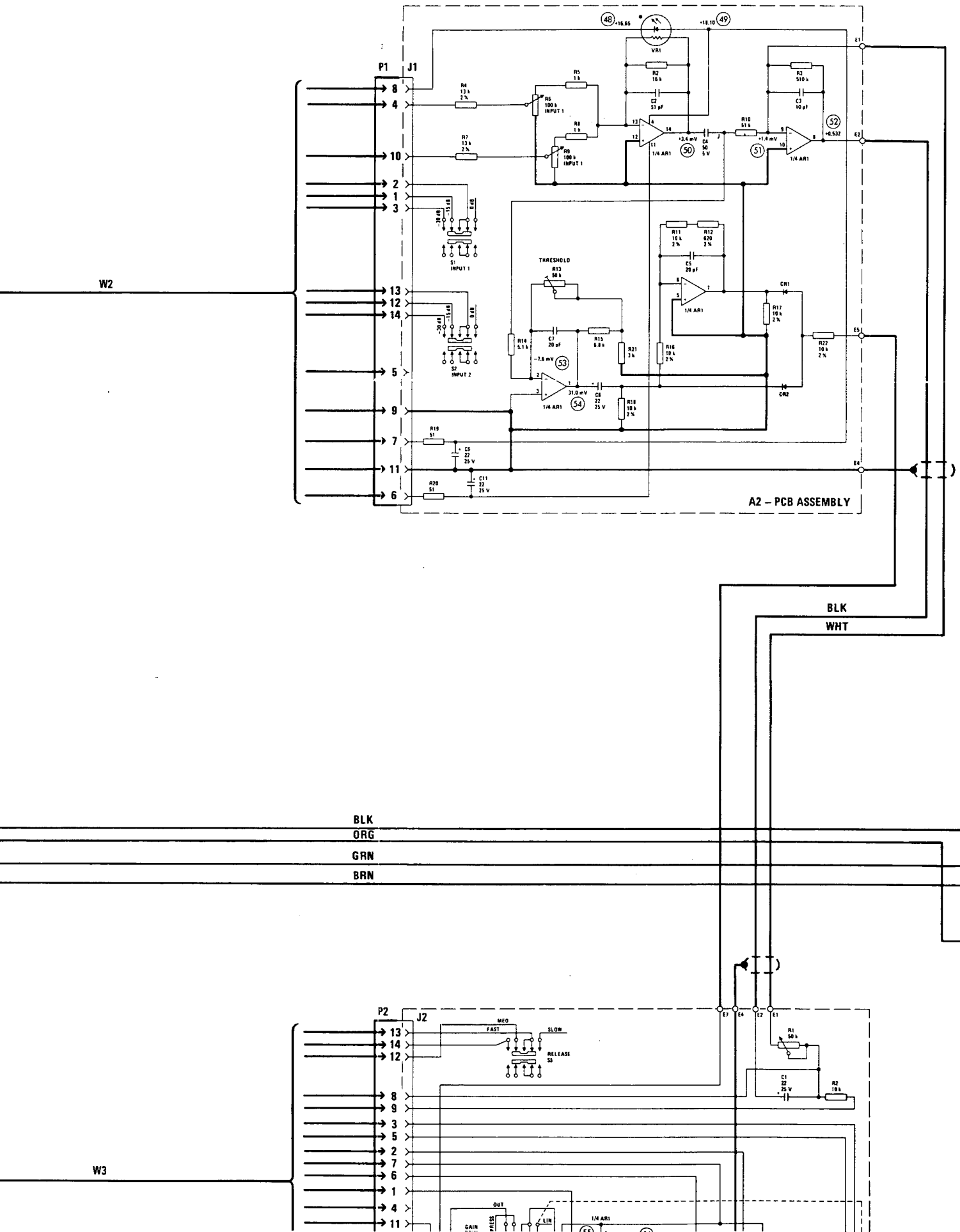
J2 P2

RED
RED/WHT
RED

A1 – INPUT PCB ASSEMBLY

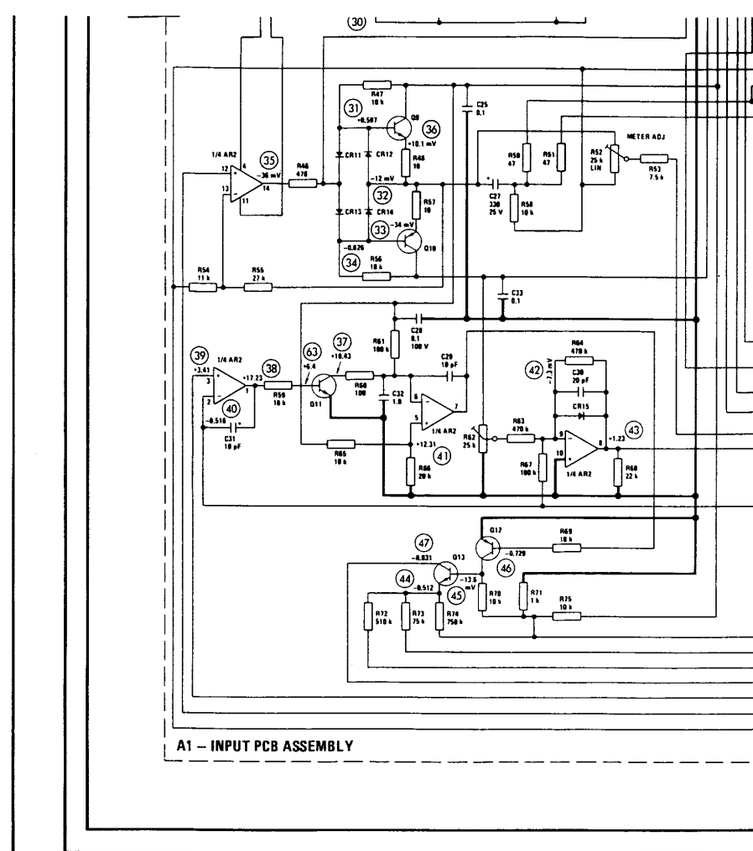
(2)

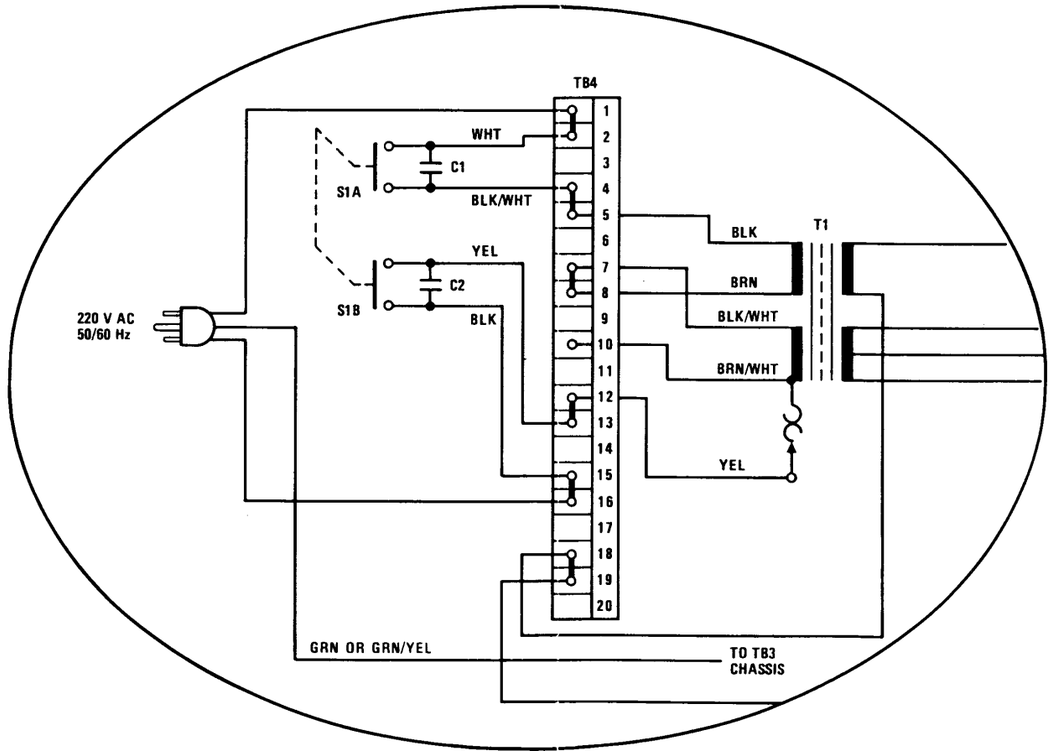
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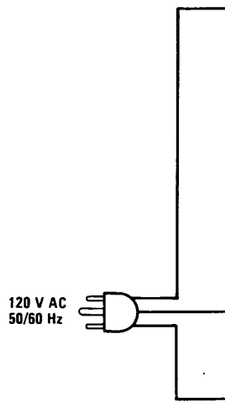


Notes: Unless otherwise specified

1. Voltage measurements made with a Fluke DVM, no signal applied, negative lead of DVM to ground, 120 V AC line voltage. Voltage tolerance ± 10%.
2. All capacitors are in microfarads unless otherwise noted.
3. All resistors are in ohms.
4. — denotes circuit board.
5. 0 indicates voltage test point found on P.C. assembly.







7130 System Schematic and Parts List

60992-20 SS & PL 6/81 Printed in U.S.A.

(4)

BLK
ORG
GRN
BRN

RED
BRN
YEL
ORG

J2 P2

3
4
5
1

A1 – INPUT PCB ASSEMBLY

W3

P2 J2

13
14
12
8
9
3
5
2
7
6
1
4
11
10

A3 – OUTPUT PCB ASSEMBLY

RED
RED/WHT
RED

TB4

WHT
WHT
BLK/WHT
S1A
C1
YEL
BLK
S1B
C2
120 V AC
50/60 Hz
BLK

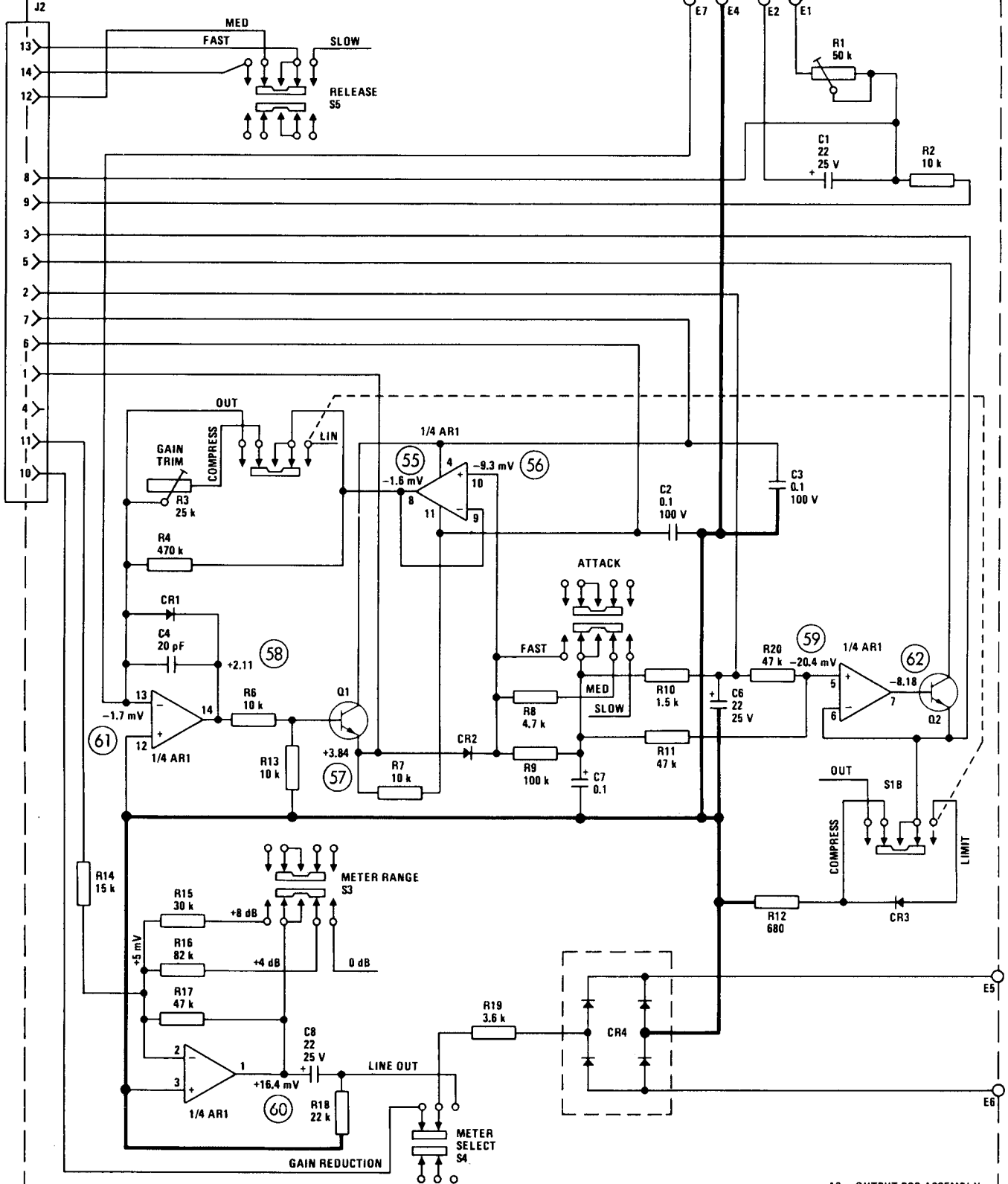
T1
BLK
BRN
BLK/WHT
BRN/WHT
YEL

TO TB3
CHASSIS

GRN OR GRN/YEL

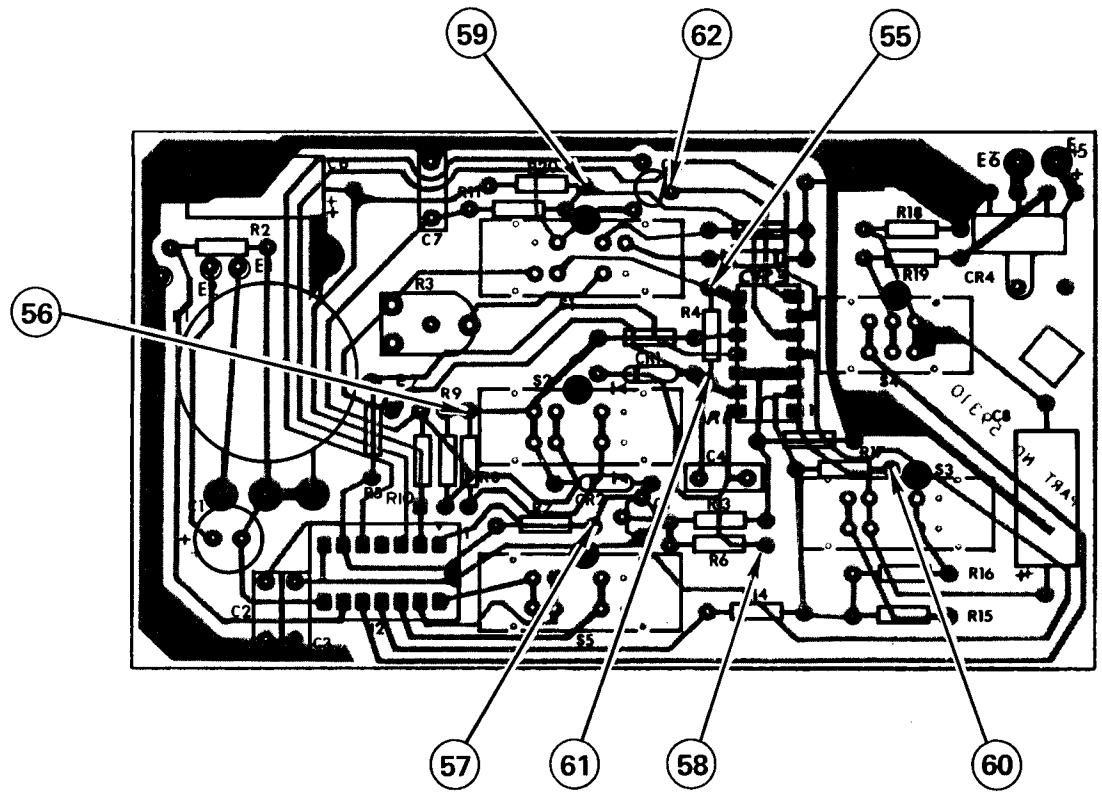
RED
BLU
GRN
GRN
GRN

PCB ASSY
POWER
INDICATOR



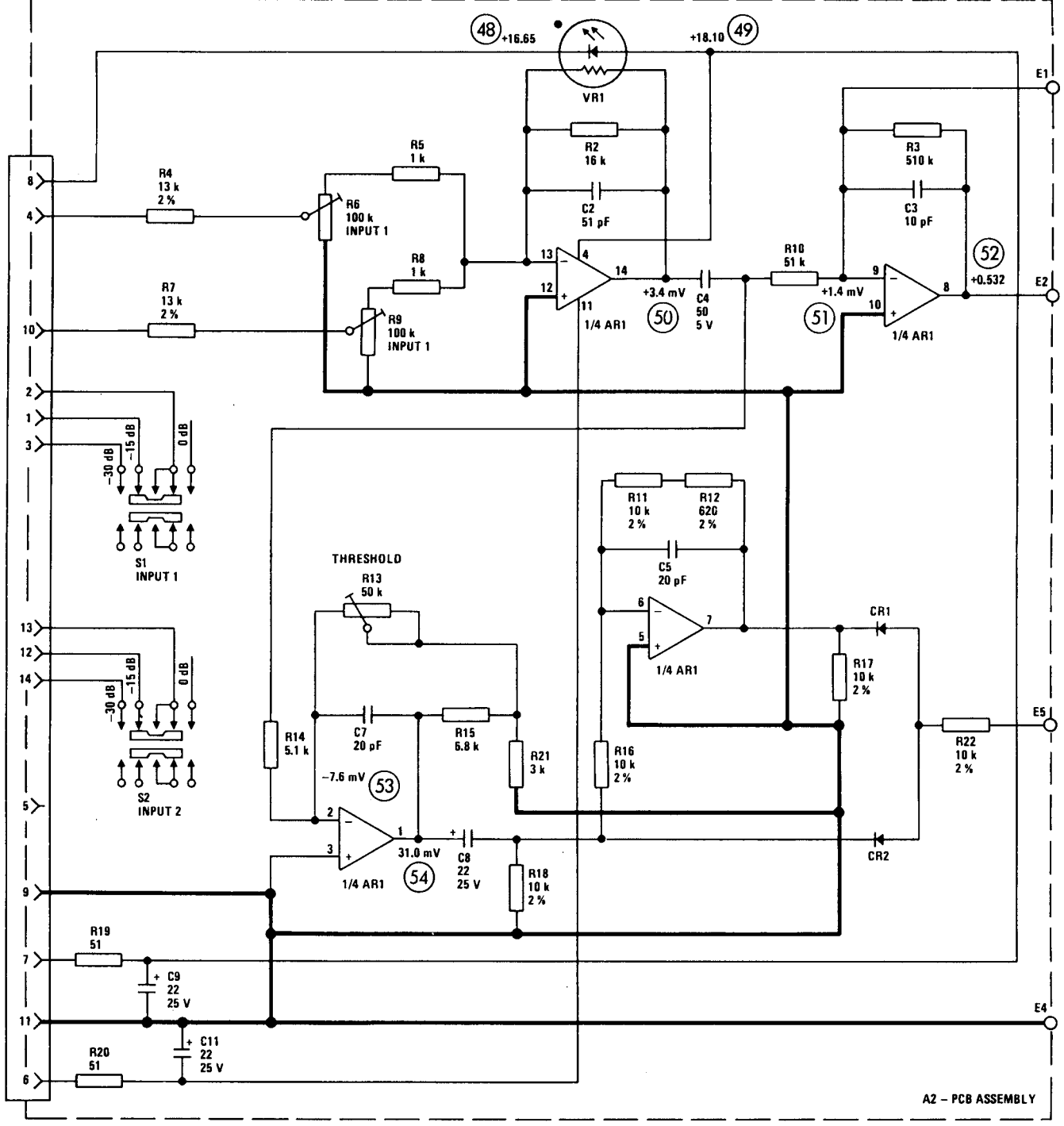
Notes: Unless otherwise specified.

1. Voltage measurements made with a Fluke DVM, no signal applied, negative lead of DVM to ground, 120 V AC line voltage. Voltage tolerance ± 10%.
2. All capacitors are in microfarads unless otherwise noted.
3. All resistors are in ohms.
4. – denotes circuit board.
5. 0 indicates voltage test point found on P.C. assembly.



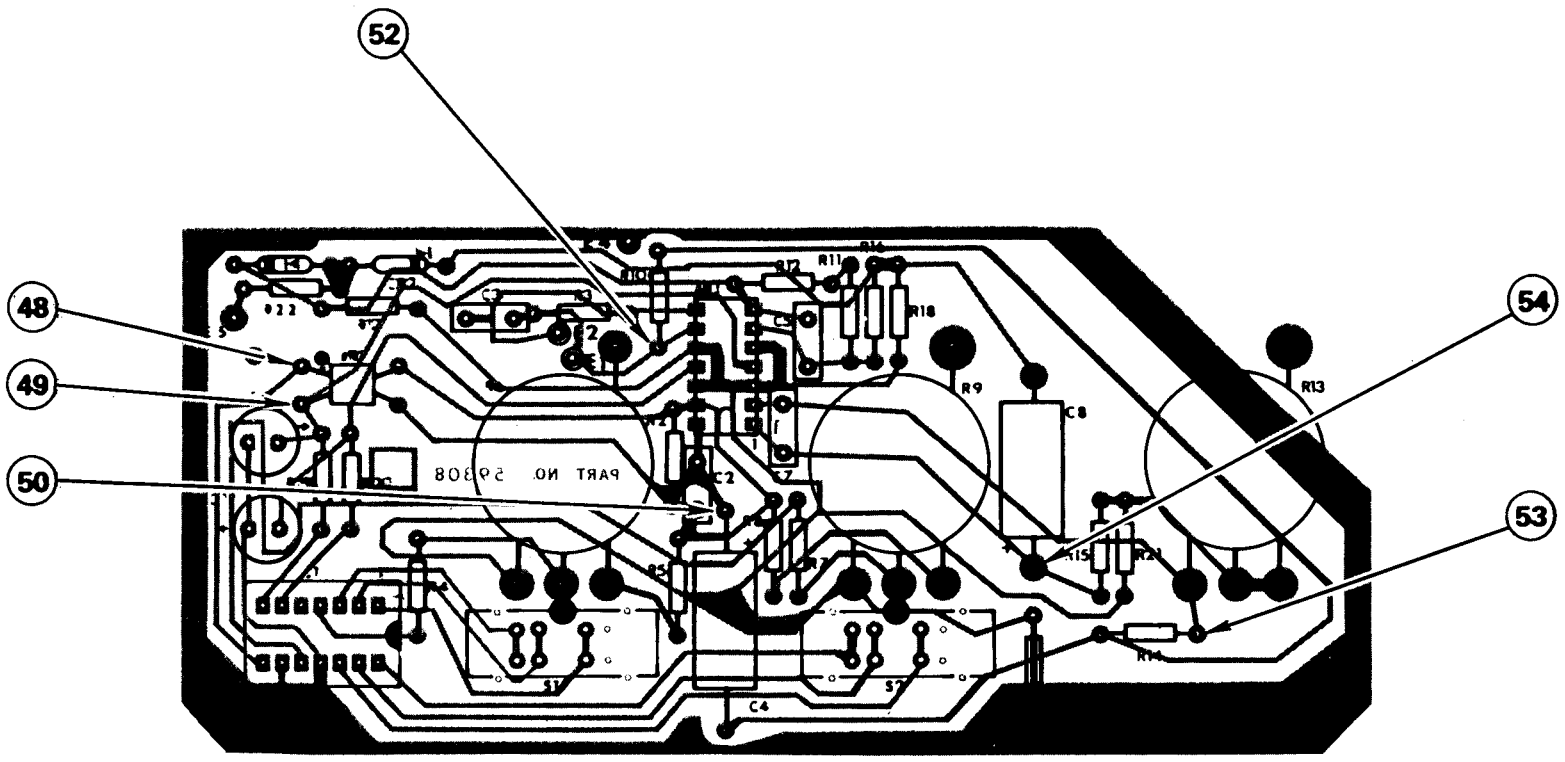
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60992-01 A2 & PL 6/81 Printed in U.S.A.



Notes: Unless otherwise specified

1. Voltage measurements made with a Fluke DVM, no signal applied, negative lead of DVM to ground, 120 V AC line voltage. Voltage tolerance ± 10%.
2. All capacitors are in microfarads unless otherwise noted.
3. All resistors are in ohms.
4. — denotes circuit board.
5. 0 indicates voltage test point found on P.C. assembly.



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