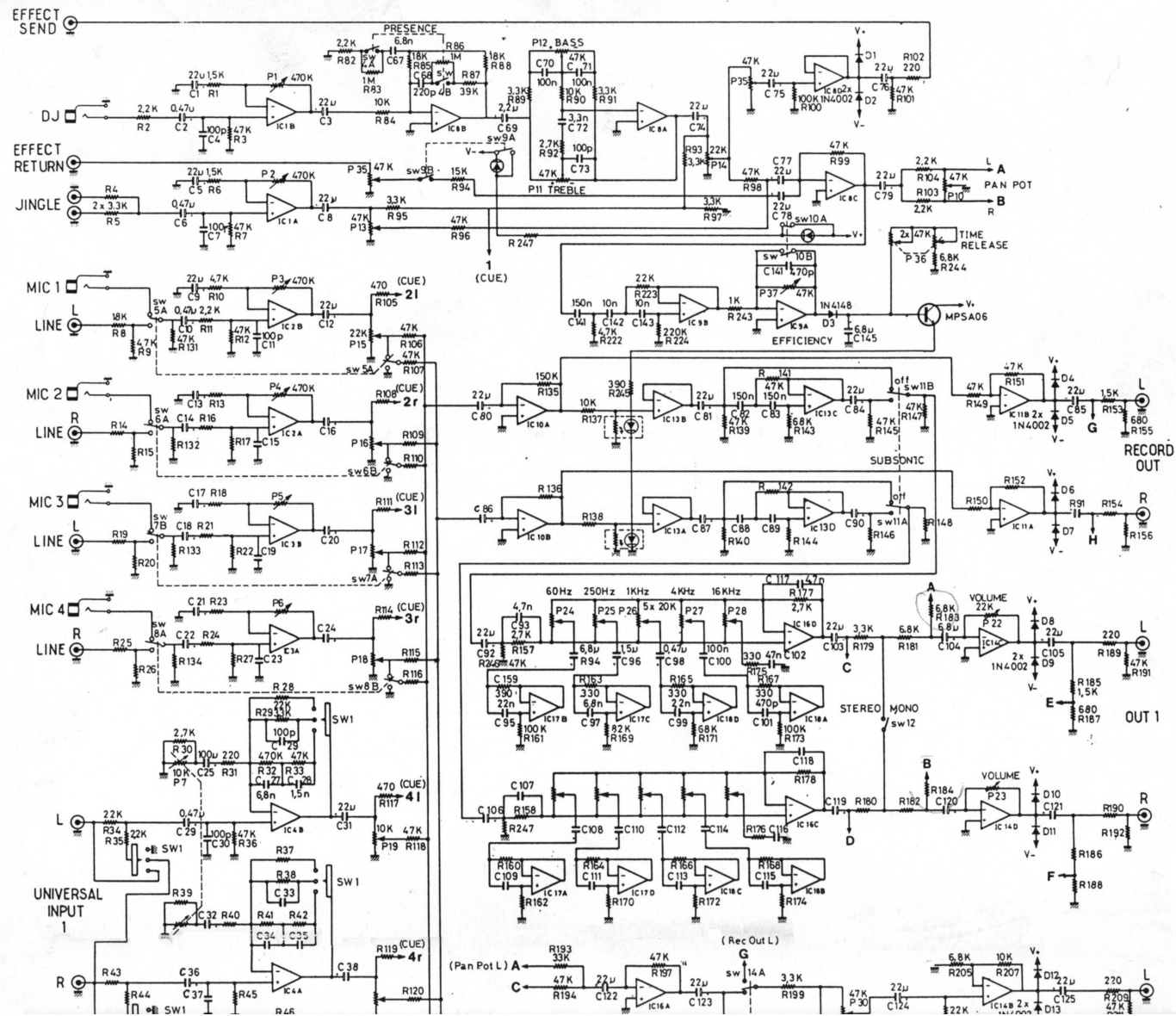
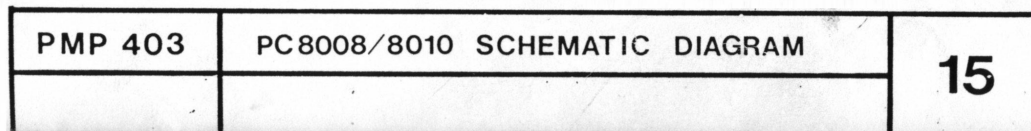
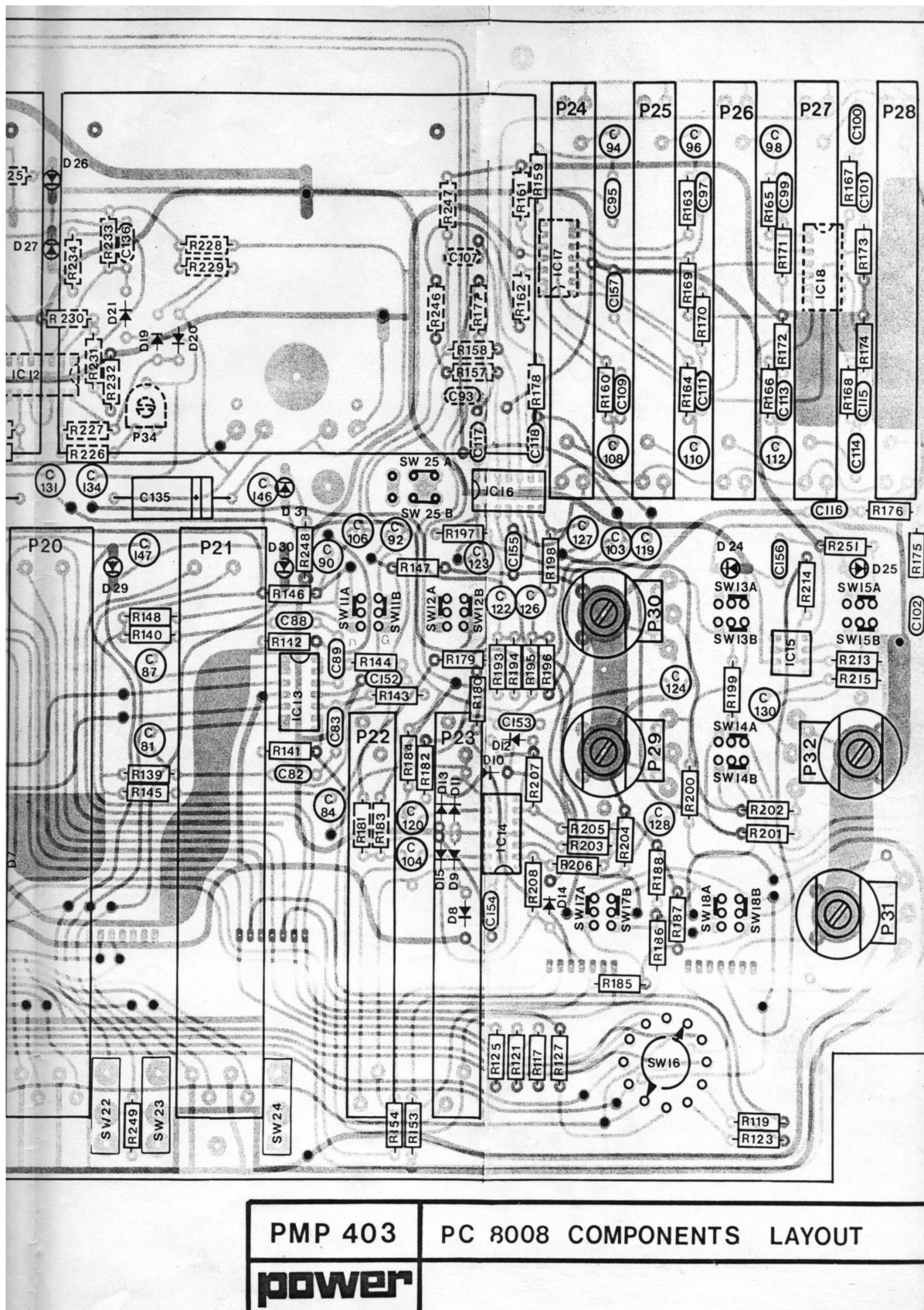
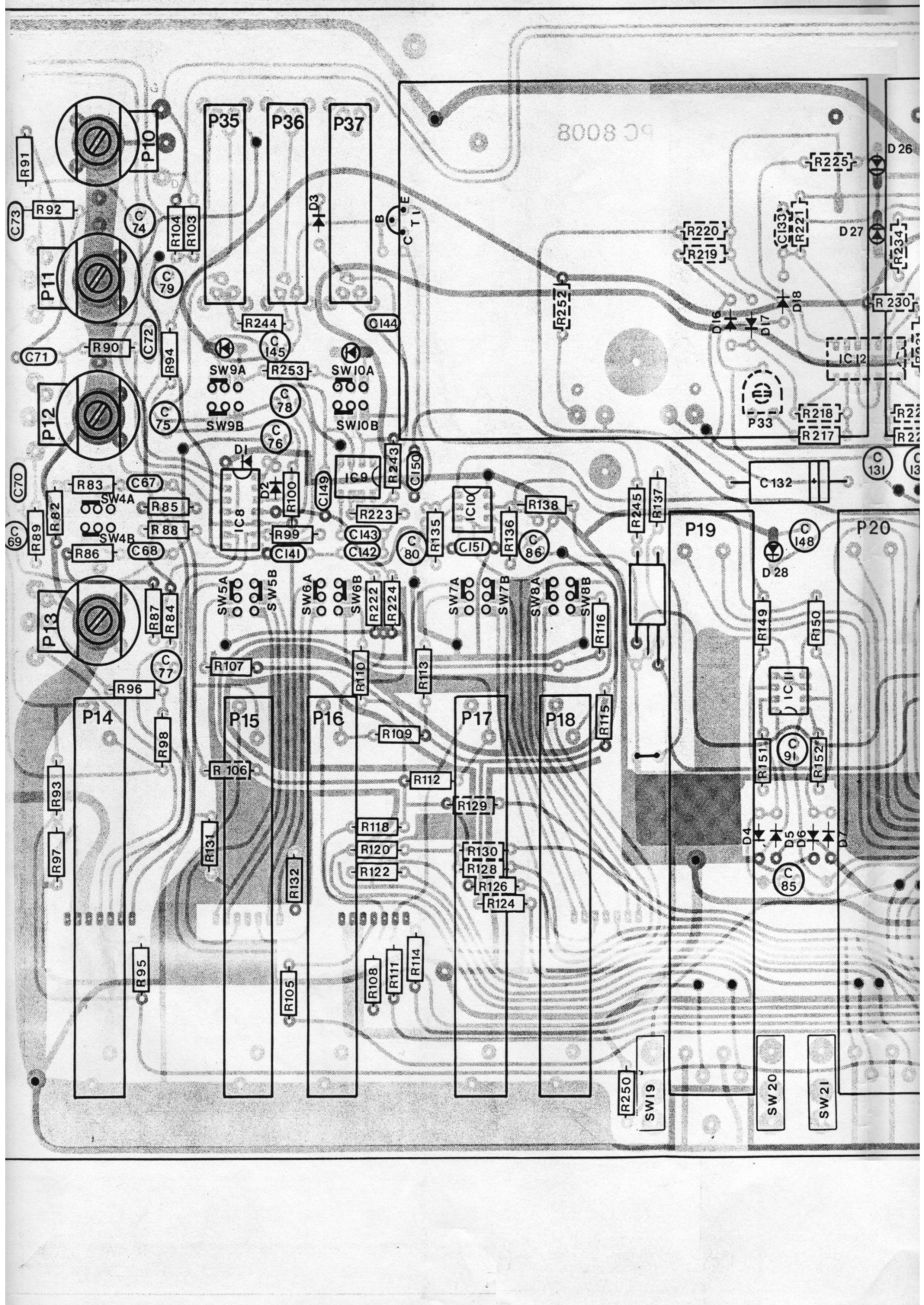
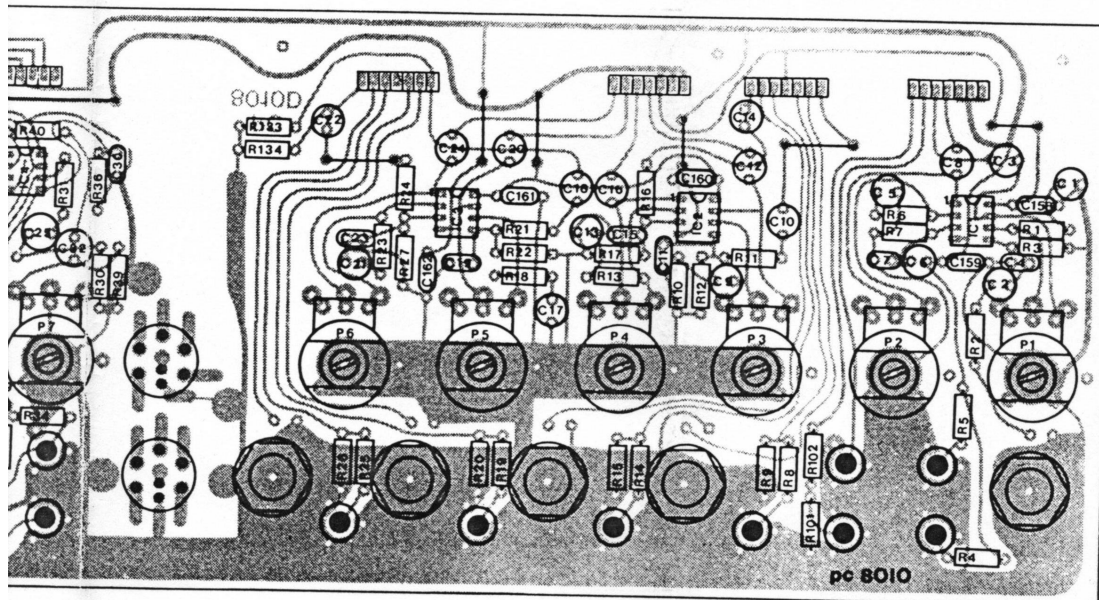




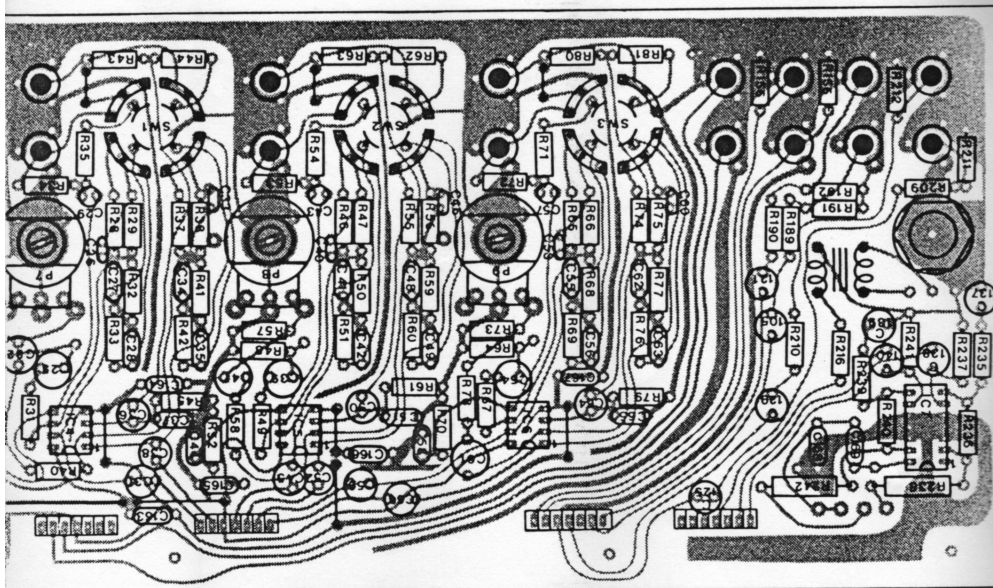


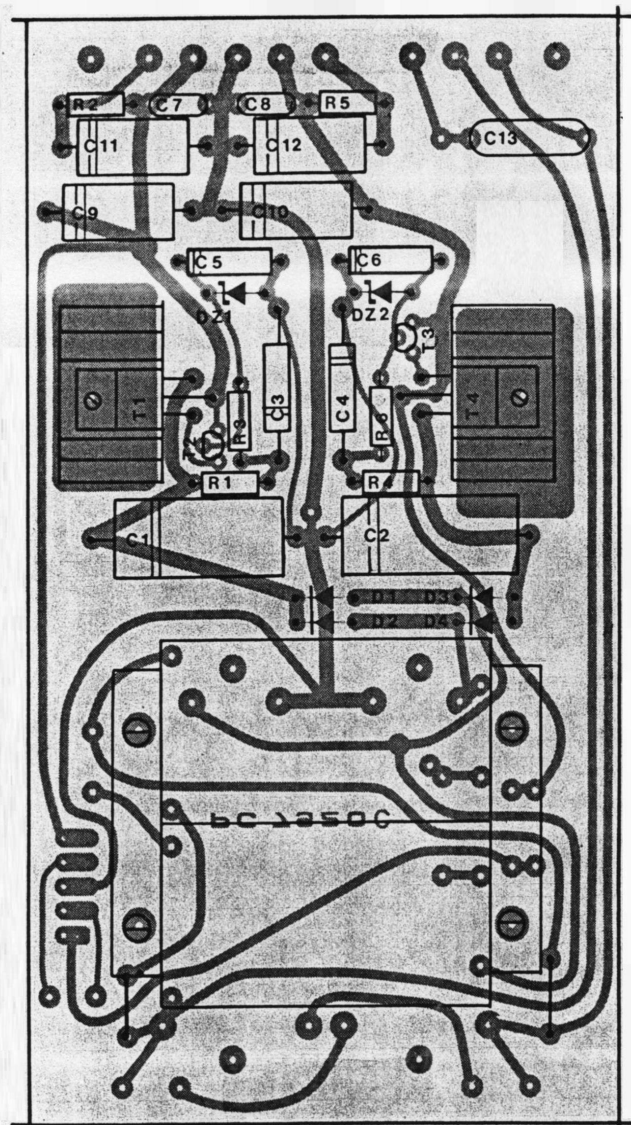






power	PMP 403
COMPONENTS LAYOUT	
PC 8010 D	5





PMP 403

PC 7920 COMPONENTS LAYOUT

POWER

DC POWER SUPPLY PCB

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INPUT	IMPEDANCE	SENSITIVITY
DJ	200 _ 600 OHMS	0.8mV → 250mV
JINGLE	47 K	2.5mV → 800mV
MIC 1_2_3_4	200 _ 600 OHMS	2.5mV → 250mV
LINE 1_2	47 K	12 mV → 1.22 V
PHONO 1_2_3	47 K	1 mV → 10mV
UNIV_MIC	200 _ 600 OHMS	2.5mV → 250mV
UNIV_LINE	47 K	175mV → 1.22 V
EXTENSION	150K	780mV
EFFECT RETURN	47 K	250mV

OUTPUT	IMPEDANCE	SENSITIVITY
EFFECT SEND		780 mV
OUT 1_2_3	600 OHMS	780mV → 8 V

HARMONIC DISTORSION.....0.05% typic

S/N RATIO..... 95 dBm typic

FREQUENCY RESPONSE 10 Hz _ 30KHz

EQUALIZERS ±15 dB _ 60 Hz
 ±15 dB _ 250 Hz
 ±15 dB _ 1KHz
 ±15 dB _ 4KHz
 ±15 dB _ 16KHz

R 1	1.5 K	CARB RES 0.5W	R 51	4 7 K	CARB RES 0.5W	R 239	1 8 K	CARB RES 0.5W
R 2	2.2 K		R 52	4 7 K		R 240	4 7 0 K	
R 3	4 7 K		R 53	2 2 K		R 241	1 0 0 K	
R 4	3.3 K		R 54	2.2 K		R 242	2 2	2 W
R 5	3.3 K		R 55	2 2 K		P 1	log 4 7 0 K	V 24 L 535 KC 10 A 470K
R 6	1.5 K		R 56	3.3 K		P 2	4 7 0 K	
R 7	4 7 K		R 57	2.7 K		P 3	4 7 0 K	
R 8	1 8 K		R 58	2 2 0		P 4	4 7 0 K	
R 9	4.7 K		R 59	4 7 0 K		P 5	4 7 0 K	
R 10	4.7 K		R 60	4 7 K		P 6	4 7 0 K	
R 11	2.2 K		R 61	4 7 K		P 7	C 2 x 1 0 K	V 24 L 535 KC 10 C 2 x 10K
R 12	4 7 K		R 62	2.2 K		P 8	2 x 1 0 K	
R 13	4.7 K		R 63	2 2 K		P 9	2 x 1 0 K	
R 14	1 8 K		R 64	2.7 K		IC 1		RC 4 5 5 9
R 15	4.7 K		R 65	2 2 K		IC 2		
R 16	2.2 K		R 66	3.3 K		IC 3		
R 17	4 7 K		R 67	2 2 0		IC 4		
R 18	4.7 K		R 68	4 7 0 K		IC 5		
R 19	1 8 K		R 69	4 7 K		IC 6		
R 20	4.7 K		R 70	4 7 K		IC 7		LM 3 7 8
R 21	2.2 K		R 71	2.2 K		SW 1	4 CIRCUITS	SRM 1043
R 22	4 7 K		R 72	2 2 K		SW 2	3 POSITIONS	
R 23	4.7 K		R 73	2.7 K		SW 3		
R 24	2.2 K		R 74	2 2 K				
R 25	1 8 K		R 75	3.3 K				
R 26	4.7 K		R 76	4 7 K				
R 27	4 7 K		R 77	4 7 0 K				
R 28	2 2 K		R 78	2 2 0				
R 29	3.3 K		R 79	4 7 K				
R 30	2.7 K		R 80	2 2 K				
R 31	2 2 0		R 81	2.2 K				
R 32	4 7 0 K		R 101	4 7 K				
R 33	4 7 K		R 102	2 2 0				
R 34	2 2 K		R 133	4 7 K				
R 35	2.2 K		R 134	4 7 K				
R 36	4 7 K		R 155	6 8 0				
R 37	2 2 K		R 156	6 8 0				
R 38	3.3 K		R 189	2 2 0				
R 39	2.7 K		R 190	2 2 0				
R 40	2 2 0		R 191	4 7 K				
R 41	4 7 0 K		R 192	4 7 K				
R 42	4 7 K		R 209	2 2 0				
R 43	2 2 K		R 210	2 2 0				
R 44	2.2 K		R 211	4 7 K				
R 45	4 7 K		R 212	4 7 K				
R 46	2 2 K		R 216	4 7				
R 47	3.3 K		R 235	1 8 K				
R 48	2.7 K		R 236	4 7 0 K				
R 49	2 2 0		R 237	1 0 0 K				
R 50	4 7 0 K		R 238	2 2	2 W			

C 1	22 μ	CHIM	25V	C 54	100 μ	CHIM	25V	C 60	100 p	CERAMIC	
C 2	0.47 μ			C 57	0.47 μ			C 65	100 p		
C 3	22 μ			C 59	22 μ			C 27	6.8 n	PLAST	250V
C 5	22 μ			C 61	100 μ			C 28	1.5 n		
C 6	0.47 μ			C 64	0.47 μ			C 34	6.8 n		
C 8	22 μ			C 66	22 μ			C 35	1.5 n		
C 9	22 μ			C 105	22 μ			C 41	6.8 n		
C 10	0.47 μ			C 121	22 μ			C 42	1.5 n		
C 12	22 μ			C 125	22 μ			C 48	6.8 n		
C 13	22 μ			C 129	22 μ			C 49	1.5 n		
C 14	0.47 μ			C 137	2.2 μ			C 55	6.8 n		
C 16	22 μ			C 138	2.2 μ			C 56	1.5 n		
C 17	22 μ			C 139	2.2 μ			C 62	6.8 n		
C 18	0.47 μ			C 140	2.2 μ			C 63	1.5 n		
C 20	22 μ			C 4	100 p	CERAMIC		C 158	100 n		
C 21	22 μ			C 7	100 p			C 159	100 n		
C 22	0.47 μ			C 11	100 p			C 160	100 n		
C 24	22 μ			C 15	100 p			C 161	100 n		
C 25	100 μ			C 19	100 p			C 162	100 n		
C 29	0.47 μ			C 23	100 p			C 163	100 n		
C 31	22 μ			C 26	100 p			C 164	100 n		
C 32	100 μ			C 30	100 p			C 165	100 n		
C 36	0.47 μ			C 33	100 p			C 166	100 n		
C 38	22 μ			C 37	100 p			C 167	100 n		
C 39	100 μ			C 40	100 p			C 168	100 n		
C 43	0.47 μ			C 44	100 p			C 169	100 n		
C 45	22 μ			C 46	100 p						
C 47	100 μ			C 51	100 p						
C 50	0.47 μ			C 53	100 p						
C 52	22 μ			C 58	100 p						

R 82	2.2 K	CARB RES 0.5W	R 136	150 K	CARB RES 0.5W	R 188	680	CARB RES 0.5W
R 83	1 M		R 137	10 K		R 193	33 K	
R 84	10 K		R 138	10 K		R 194	47 K	
R 85	18 K		R 139	47 K		R 195	33 K	
R 86	1 M		R 140	47 K		R 196	47 K	
R 87	39 K		R 141	47 K		R 197	47 K	
R 88	18 K		R 142	47 K		R 198	47 K	
R 89	3.3 K		R 143	68 K		R 199	3.3 K	
R 90	10 K		R 144	68 K		R 200	3.3 K	
R 91	3.3 K		R 145	47 K		R 201	6.8 K	
R 92	2.7 K		R 146	47 K		R 202	6.8 K	
R 93	3.3 K		R 147	47 K		R 203	22 K	
R 94	15 K		R 148	47 K		R 204	22 K	
R 95	3.3 K		R 149	47 K		R 205	6.8 K	
R 96	47 K		R 150	47 K		R 206	6.8 K	
R 97	3.3 K		R 151	47 K		R 207	10 K	
R 98	47 K		R 152	47 K		R 208	10 K	
R 99	47 K		R 153	1.5 K		R 213	6.8 K	
R 100	100 K		R 154	1.5 K		R 214	10 K	
R 103	2.2 K		R 157	2.7 K		R 215	22 K	
R 104	2.2 K		R 158	2.7 K		R 217	10 K	
R 105	470		R 159	390		R 218	180 K	
R 106	47 K		R 160	390		R 219	4.7 K	
R 107	47 K		R 161	100 K		R 220	4.7 K	
R 108	470		R 162	100 K		R 221	1 M	
R 109	47 K		R 163	330		R 222	4.7 K	
R 110	47 K		R 164	330		R 223	22 K	
R 111	470		R 165	330		R 224	220 K	
R 112	47 K		R 166	330		R 225	1.5 K	
R 113	47 K		R 167	330		R 226	10 K	
R 114	470		R 168	330		R 227	180 K	
R 115	47 K		R 169	82 K		R 228	4.7 K	
R 116	47 K		R 170	82 K		R 229	4.7 K	
R 117	470		R 171	68 K		R 230	56 K	
R 118	47 K		R 172	68 K		R 231	33 K	
R 119	470		R 173	100 K		R 232	3.3 K	
R 120	47 K		R 174	100 K		R 233	1 M	
R 121	470		R 175	330		R 234	1.5 K	
R 122	47 K		R 176	330		R 243	1 K	
R 123	470		R 177	2.7 K		R 244	6.8 K	
R 124	47 K		R 178	2.7 K		R 245	470	
R 125	470		R 179	3.3 K		R 246	47 K	
R 126	47 K		R 180	3.3 K		R 247	47 K	
R 127	470		R 181	6.8 K		R 248	1.5 K	
R 128	47 K		R 182	6.8 K		R 249	27	
R 129	150 K		R 183	6.8 K		R 250	27	
R 130	150 K		R 184	6.8 K		R 251	1.8 K	
R 131	47 K		R 185	1.5 K		R 252	150	
R 132	47 K		R 186	1.5 K		R 253	1.8 K	
R 135	150 K		R 187	680				

PMP 403

PC 8008

Electronic parts list

power

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C 67	6.8 n	PLAST	250 V	C 79	22 μ	CHIM	25 V	P 26	W 2 x 20 K	MDJ 1E012 2x 20 K
C 70	100 n			C 80	22 μ			P 27	2 x 20 K	
C 71	100 n			C 81	22 μ			P 28	2 x 20 K	
C 72	3.3 n			C 84	22 μ			P 29	LOG 47 K	V 24 L 535 KC 10A47K
C 82	150 n			C 85	22 μ			P 30	47 K	
C 83	150 n			C 86	22 μ			P 31	2 x 22 K	V24L535KC10A2x22 K
C 88	150 n			C 87	22 μ			P 32	47 K	V24L 535 KC 10A47K
C 89	150 n			C 90	22 μ			P 33	4.7 K	AJUSTABLE
C 93	4.7 n			C 91	22 μ			P 34	4.7 K	AJUSTABLE
C 95	22 n			C 92	22 μ			P 35	LIN 50 K	VJ 309 N15.CHB50K
C 97	6.8 n			C 94	6.8 μ			P 36	2 x 50 K	x2
C 99	2.2 n			C 96	1.5 μ			P 37	50 K	
C 100	100 n			C 98	0.47 μ					
C 102	47 n			C 103	22 μ			IC 8		RC 4156
C 107	4.7 n			C 104	6.8 μ			IC 9		RC 4559
C 109	22 n			C 106	22 μ			IC 10		
C 111	6.8 n			C 108	6.8 μ			IC 11		
C 113	2.2 n			C 110	1.5 μ			IC 12		RC 4156
C 114	100 n			C 112	0.47 μ			IC 13		
C 116	47 n			C 119	22 μ			IC 14		
C 117	4.7 n			C 120	6.8 μ			IC 15		LM 741
C 118	4.7 n			C 122	22 μ			IC 16		RC 4156
C 133	220 n			C 123	22 μ			IC 17		
C 136	220 n			C 124	22 μ			IC 18		
C 141	150 n			C 126	22 μ					
C 142	10 n			C 127	22 μ			T 1		MPSA 06
C 143	10 n			C 128	22 μ					
C 146	22 μ	CHIM	25 V	C 130	22 μ			SW 4	2 CIRCUITS	JA 5001
C 147	22 μ			C 131	22 μ			SW 5	2 POSITIONS	
C 148	22 μ			C 132	100 μ			SW 6		
C 149	100 n	PLAST	250 V	C 134	22 μ			SW 7		
C 150	100 n			C 135	100 μ			SW 8		
C 151	100 n			C 145	6.8 μ			SW 9		
C 152	100 n							SW 10		
C 153	100 n			P 10	S 47 K	V 24L 535KC3B47K		SW 11		
C 154	100 n			P 11	47 K			SW 12		
C 155	100 n			P 12	47 K			SW 13		
C 156	100 n			P 13	LOG 47 K	V 24 L535 KC10A47K		SW 14		
C 157	100 n			P 14	LOG 22 K	VJ 608 N 15A 22 K		SW 15		
C 68	220 p	CERAMIC		P 15	22 K			SW 17		
C 73	100 p			P 16	22 K			SW 18		
C 101	470 p			P 17	22 K			SW 16	2 CIRCUITS	
C 115	470 p			P 18	22 K			SW 19	6 POSITIONS	SRM 1026
C 144	470 p			P 19	2x10 K	MCE 1E 5032 x10K		SW 20	1 CIRCUIT	
C 69	2.2 μ	CHIM	25 V	P 20	2x10 K			SW 21	2 POSITIONS	6225
C 74	22 μ			P 21	2x10 K			SW 22		
C 75	22 μ			P 22	22 K	VJ 608 N 15A 22 K		SW 23		
C 76	22 μ			P 23	22 K			SW 24		
C 77	22 μ			P 24	W 2x20 K	MDJ 1E012 2x 20 K				
C 78	22 μ			P 25	2x20 K					

R 1	470	CARB RES	0.5W	C 5	22 μ	CHIM	25 V	D 2		1 N 4002
R 2	100			C 6	22 μ			D 3		
R 3	470			C 9	100 μ		40 V	D 4		
R 4	470			C 10	100 μ			DZ 1		ZENER 15 V
R 5	100			C 11	100 μ			DZ 2		
R 6	470			C 12	100 μ					
				C 7	100 n		250 V	T 1		BD 242
C 1	1000 μ	CHIM	25 V	C 8	100 n			T 2		MPSA 06
C 2	1000 μ			C 13	4.7 n		630 V	T 3		MPSA 56
C 3	22 μ		25 V					T 4		BD 241
C 4	22 μ			D 1			1 N 4002	SW 25		

D 1		1 N 4002	D 12		1 N 4002	D 23		RED LED
D 2			D 13			D 24		
D 3		1 N 4148	D 14			D 25		
D 4		1 N 4002	D 15			D 26		
D 5			D 16		OA 90	D 27		
D 6			D 17			D 28		GREEN LED
D 7			D 18		1 N 4148	D 29		
D 8			D 19		OA 90	D 30		
D 9			D 20			D 31		RED LED
D 10			D 21		1 N 4148			
D 11			D 22		RED LED			