

REF DESIG PREFIX A5A3

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
R4	RESISTOR, FIXED, COMPOSITION: 47 Ω , 5%, 1/4W	4	RCR07G470JS	81349
R5	RESISTOR, FIXED, COMPOSITION: 100 Ω , 5%, 1/4W	3	RCR07G101JS	81349
R6	Same as R1			
R7	Same as R1			
R8	RESISTOR, FIXED, COMPOSITION: 9.1 k Ω , 5%, 1/4W	3	RCR07G912JS	81349
R9	RESISTOR, FIXED, COMPOSITION: 1.6 k Ω , 5%, 1/4W	3	RCR07G162JS	81349
R10	Same as R1			
R11	Same as R4			
R12	Same as R5			
R13	Same as R1			
R14	Same as R8			
R15	Same as R9			
R16	Same as R1			
R17	Same as R4			
R18	Same as R5			
R19	Same as R1			
R20	Same as R9			
R21	Same as R8			
R22	RESISTOR, FIXED, COMPOSITION: 330 Ω , 5%, 1/4W	1	RCR07G331JS	81349
R23	RESISTOR, FIXED, COMPOSITION: 82 Ω , 5%, 1/4W	1	RCR07G820JS	81349
R24	Same as R4			
R25	RESISTOR, FIXED, COMPOSITION: 2.7 k Ω , 5%, 1/4W	1	RCR07G272JS	81349
R26	RESISTOR, FIXED, COMPOSITION: 27 k Ω , 5%, 1/4W	1	RCR07G273JS	81349
R27	RESISTOR, FIXED, COMPOSITION: 180 Ω , 5%, 1/4W	1	RCR07G181JS	81349
R28	RESISTOR, FIXED, COMPOSITION: 56 Ω , 5%, 1/4W	1	RCR07G560JS	81349

5.4.6.4 Part 12879 BFO and Product Detector

REF DESIG PREFIX A5A4

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
C1	CAPACITOR, MYLAR, TUBULAR: .01 μ F, 10%, 100V	1	663UW-103-9-1-W	26655
C2	CAPACITOR, MICA, DIPPED: 39 pF, 5%, 500V	1	CM04ED390J03	81349
C3	CAPACITOR, MICA, DIPPED: 33 pF, 5%, 500V	4	CM04ED330J03	81349
C4	Same as C3			
C5	CAPACITOR, CERAMIC, TUBULAR: 18 pF, 5%, 500V (TC-N750)	1	301-000-U2J0-180J	72982
C6	CAPACITOR, CERAMIC, DISC: .05 μ F, 20%, 100V	5	29C212A7	56289
C7	Same as C6			
C8	CAPACITOR, MICA, DIPPED: 91 pF, 5%, 500V	1	CM04FD910J03	81349
C9	CAPACITOR, MICA, DIPPED: 180 pF, 5%, 500V	5	CM04FD181J03	81349
C10	CAPACITOR, MICA, DIPPED: 2000 pF, 5%, 500V	1	CM06FD202J03	81349
C11	CAPACITOR, MICA, DIPPED: 1000 pF, 5%, 100V	1	DM15-102J	72136
C12	Same as C9			
C13	CAPACITOR, MICA, DIPPED: 160 pF, 5%, 500V	4	CM04FD161J03	81349
C14	Same as C9			
C15	Same as C13			
C16	Same as C6			
C17	CAPACITOR, CERAMIC, DISC: 1000 pF, GMV, 500V	1	SM(1000pF, GMV)	91418
C18	CAPACITOR, ELECTROLYTIC, TANTALUM: 4.7 μ F, 10%, 35V	1	CS13BF475K	81349
C19	NOT USED			
C20	CAPACITOR, CERAMIC, DISC: 5000 pF, 20%, 500V	2	SM(5000pF, M)	91418
C21	Same as C20			
C22	CAPACITOR, MICA, DIPPED: 430 pF, 5%, 500V	1	DM15-431J	72136
C23	Same as C9			
C24	Same as C13			
C25	Same as C9			
C26	Same as C13			
C27	CAPACITOR, CERAMIC, DISC: 2200 pF, 20%, 1000V	2	JF(2200pF, M)	91418
C28	Same as C27			
C29	Same as C6			
C30	Same as C3			
C31	Same as C6			
C32	Same as C3			
C33	CAPACITOR, MICA, DIPPED: 100 pF, 5%, 500V	1	CM04FD101J03	81349

REF DESIG PREFIX A5A4

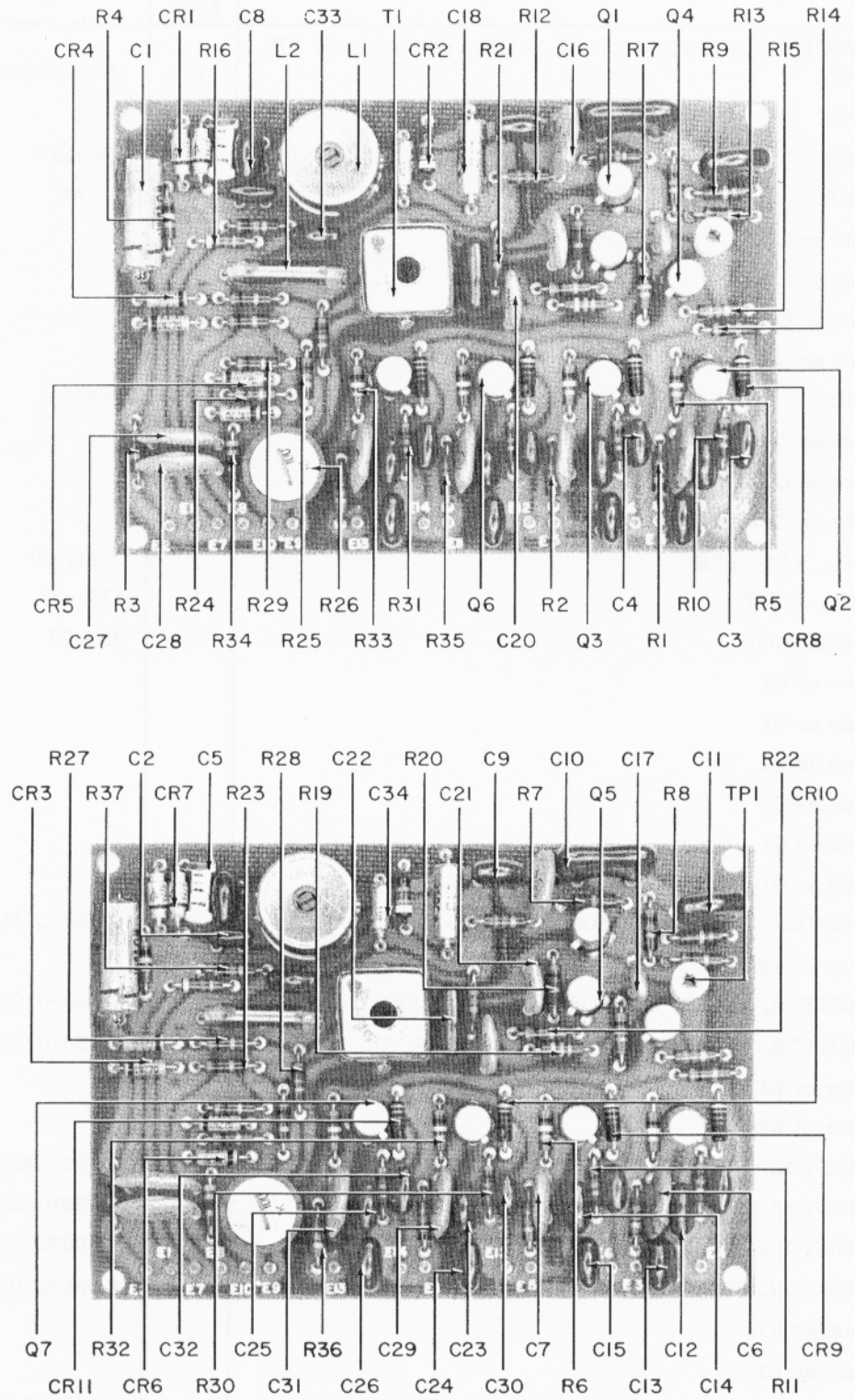


Figure 5-19. Part 12879 BFO and Product Detector, Component Locations

REF DESIG PREFIX A5A4

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
C34	CAPACITOR, ELECTROLYTIC, TANTALUM: .1 μ F, 10%, 35V	1	150D104X9035A2	56289
CR1	DIODE	2	V27E	01281
CR2	DIODE	1	1N961B	80131
CR3	DIODE	4	1N270	80131
CR4	Same as CR3			
CR5	Same as CR3			
CR6	Same as CR3			
CR7	Same as CR1			
CR8	DIODE	4	1N462A	80131
CR9	Same as CR8			
CR10	Same as CR8			
CR11	Same as CR8			
L1	COIL, VARIABLE	1	30312-50	14632
L2	COIL, FIXED	1	1131-37	14632
Q1	TRANSISTOR	7	2N3478	80131
Q2	Same as Q1			
Q3	Same as Q1			
Q4	Same as Q1			
Q5	Same as Q1			
Q6	Same as Q1			
Q7	Same as Q1			
R1	RESISTOR, FIXED, COMPOSITION: 510 Ω , 5%, 1/4W	7	RCR07G511JS	81349
R2	Same as R1			
R3	RESISTOR, FIXED, COMPOSITION: 1 k Ω , 5%, 1/4W	6	RCR07G102JS	81349
R4	RESISTOR, FIXED, COMPOSITION: 100 k Ω , 5%, 1/4W	5	RCR07G104JS	81349
R5	Same as R4			
R6	Same as R4			
R7	RESISTOR, FIXED, COMPOSITION: 82 k Ω , 5%, 1/4W	1	RCR07G823JS	81349
R8	RESISTOR, FIXED, COMPOSITION: 10 Ω , 5%, 1/4W	1	RCR07G100JS	81349
R9	RESISTOR, FIXED, COMPOSITION: 220 k Ω , 5%, 1/4W	1	RCR07G224JS	81349
R10	RESISTOR, FIXED, COMPOSITION: 100 Ω , 5%, 1/4W	7	RCR07G101JS	81349
R11	Same as R10			
R12	Same as R1			
R13	RESISTOR, FIXED, COMPOSITION: 5.1 k Ω , 5%, 1/4W	1	RCR07G512JS	81349

REF DESIG PREFIX A5A4

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
R14	Same as R1			
R15	RESISTOR, FIXED, COMPOSITION: 820 Ω , 5%, 1/4W	1	RCR07G821JS	81349
R16	RESISTOR, FIXED, COMPOSITION: 470 Ω , 5%, 1/4W	1	RCR07G471JS	81349
R17	RESISTOR, FIXED, COMPOSITION: 10 k Ω , 5%, 1/4W	1	RCR07G103JS	81349
R18	NOT USED			
R19	RESISTOR, FIXED, COMPOSITION: 24 k Ω , 5%, 1/4W	1	RCR07G243JS	81349
R20	RESISTOR, FIXED, COMPOSITION: 200 Ω , 5%, 1/4W	1	RCR07G201JS	81349
R21	Same as R1			
R22	Same as R3			
R23	Same as R3			
R24	Same as R3			
R25	Same as R10			
R26	RESISTOR, VARIABLE, WIRE-WOUND: 1 k Ω , 5%, 1W	1	100(1k Ω , J)	75042
R27	Same as R3			
R28	Same as R10			
R29	Same as R3			
R30	Same as R10			
R31	Same as R10			
R32	Same as R4			
R33	Same as R4			
R34	RESISTOR, FIXED, COMPOSITION: 3.3 k Ω , 5%, 1/4W	1	RCR07G332JS	81349
R35	Same as R1			
R36	Same as R1			
R37	Same as R10			
T1	TRANSFORMER	1	3476-26	14632
TP1	TEST JACK, Part of PRINTED CIRCUIT BOARD	--		

5.4.7 Type 79219/1 AGC Amplifier/Power Supply

REF DESIG PREFIX A6

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
C1	CAPACITOR, ELECTROLYTIC, TANTALUM: 47 μ F, 10%, 10V	1	I09D476X9010C2	56289
C2	CAPACITOR, ELECTROLYTIC, TANTALUM: 22 μ F, 10%, 35V	1	CS13BF226K	81349
C3	CAPACITOR, ELECTROLYTIC, TANTALUM: 4.7 μ F, 10%, 35V	1	CSI3BF475K	81349
C4	CAPACITOR, ELECTROLYTIC, TANTALUM: 1 μ F, 10%, 35V	1	CS13BF105K	81349
C5	CAPACITOR, ELECTROLYTIC, TANTALUM: 15 μ F, -10+50%, 250V	1	39D156F250EJ4	56289
CR1	DIODE	1	1N198	80131
CR2	DIODE	2	1N462A	80131
CR3	Same as CR2			
CR4	DIODE	2	1N3255	80131
CR5	Same as CR4			
Q1	TRANSISTOR	2	2N706	80131
Q2	Same as Q1			
Q3	TRANSISTOR	2	2N929	80131
Q4	Same as Q3			
Q5	TRANSISTOR	2	2N697	80131
Q6	Same as Q5			
R1	RESISTOR, FIXED, COMPOSITION: 82 k Ω , 5%, 1/4W	1	RCR07G823JS	81349
R2	RESISTOR, FIXED, COMPOSITION: 1 k Ω , 5%, 1/4W	3	RCR07G102JS	81349
R3	RESISTOR, FIXED, COMPOSITION: 10 k Ω , 5%, 1/4W	2	RCR07G103JS	81349
R4	RESISTOR, FIXED, COMPOSITION: 18 k Ω , 5%, 1/4W	2	RCR07G183JS	81349
R5	RESISTOR, FIXED, COMPOSITION: 1.8 k Ω , 5%, 1/4W	1	RCR07G182JS	81349
R6	Same as R3			
R7	RESISTOR, FIXED, COMPOSITION: 100 k Ω , 5%, 1/4W	1	RCR07G104JS	81349
R8	Same as R2			
R9	Same as R4			
R10	RESISTOR, FIXED, COMPOSITION: 16 k Ω , 5%, 1/4W	1	RCR07G163JS	81349
R11	RESISTOR, FIXED, COMPOSITION: 47 k Ω , 5%, 1/4W	1	RCR07G473JS	81349
R12	Same as R2			
R13	RESISTOR, FIXED, COMPOSITION: 680 Ω , 5%, 1/4W	1	RCR07G681JS	81349
R14	RESISTOR, FIXED, COMPOSITION: 15 k Ω , 5%, 1/4W	1	RCR07G153JS	81349
R15	RESISTOR, FIXED, COMPOSITION: .22 M Ω , 5%, 1/4W	1	RCR07G224JS	81349

REF DESIG PREFIX A6

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
R16	RESISTOR, FIXED, COMPOSITION: 8.2 kΩ, 5%, 1/4W	1	RCR07G822JS	81349
TP1	TEST POINT	1	TJ-203R	49956
TP2	TEST POINT	1	TJ-205BL	49956

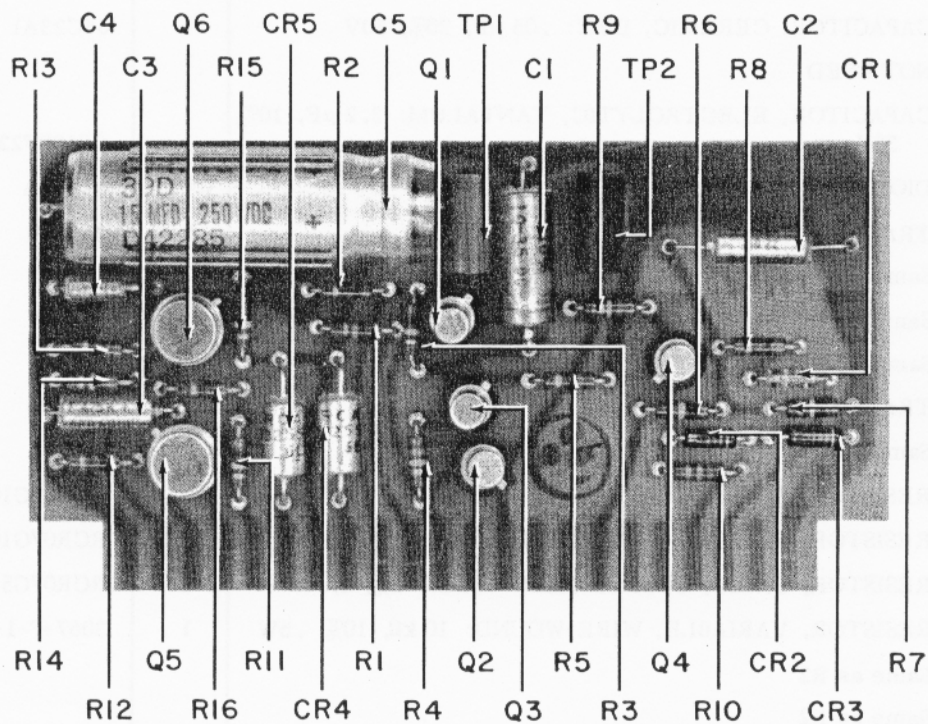


Figure 5-20. Type 79219/1 AGC Amplifier/Power Supply, Component Locations

5.4.8 Type 7411A Audio Amplifier

REF DESIG PREFIX A7

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
C1	CAPACITOR, ELECTROLYTIC, TANTALUM: 47 μ F, 20%, 10V	1	109D476X0010C2	56289
C2	CAPACITOR, CERAMIC, DISC: .01 μ F, 20%, 200V	1	8131-026-Z5U0-103M	72982
C3	CAPACITOR, ELECTROLYTIC, TANTALUM: 1 μ F, 10%, 35V	2	CS13BF105K	81349
C4	Same as C3			
C5	CAPACITOR, ELECTROLYTIC, TANTALUM: 22 μ F, 10%, 15V	1	CS13BD226K	81349
C6	CAPACITOR, ELECTROLYTIC, TANTALUM: 10 μ F, 10%, 20V	1	CS13BE106K	81349
C7	CAPACITOR, ELECTROLYTIC, TANTALUM: 4.7 μ F, 10%, 35V	1	CS13BF475K	81349
C8	CAPACITOR, CERAMIC, DISC: .05 μ F, 20%, 50V	1	55C23A1	56289
C9	NOT USED			
C10	CAPACITOR, ELECTROLYTIC, TANTALUM: 2.2 μ F, 10%, 35V	1	CS13BF225K	81349
CR1	DIODE	1	1N462A	80131
Q1	TRANSISTOR	5	2N2270	80131
Q2	Same as Q1			
Q3	Same as Q1			
Q4	Same as Q1			
Q5	TRANSISTOR	1	2N1305	80131
Q6	Same as Q1			
R1	RESISTOR, FIXED, COMPOSITION: 10 k Ω , 5%, 1/4W	2	RCR07G103JS	81349
R2	RESISTOR, FIXED, COMPOSITION: 1 k Ω , 5%, 1/4W	3	RCR07G102JS	81349
R3	RESISTOR, FIXED, COMPOSITION: 5.1 k Ω , 5%, 1/4W	1	RCR07G512JS	81349
R4	RESISTOR, VARIABLE, WIRE-WOUND: 10 k Ω , 10%, .5W	1	3067-P-1-103	80294
R5	Same as R2			
R6	Same as R2			
R7	RESISTOR, FIXED, COMPOSITION: 47 k Ω , 5%, 1/4W	2	RCR07G473JS	81349
R8	RESISTOR, FIXED, COMPOSITION: 22 k Ω , 5%, 1/4W	1	RCR07G223JS	81349
R9	RESISTOR, FIXED, COMPOSITION: 82 k Ω , 5%, 1/4W	1	RCR07G823JS	81349
R10	Same as R1			
R11	RESISTOR, FIXED, COMPOSITION: 2 k Ω , 5%, 1/4W	1	RCR07G202JS	81349
R12	RESISTOR, FIXED, COMPOSITION: 220 Ω , 5%, 1/4W	1	RCR07G221JS	81349
R13	RESISTOR, FIXED, FILM: 6.81 k Ω , 1%, 1/4W	1	RN60D6811F	81349

REF DESIG PREFIX A7

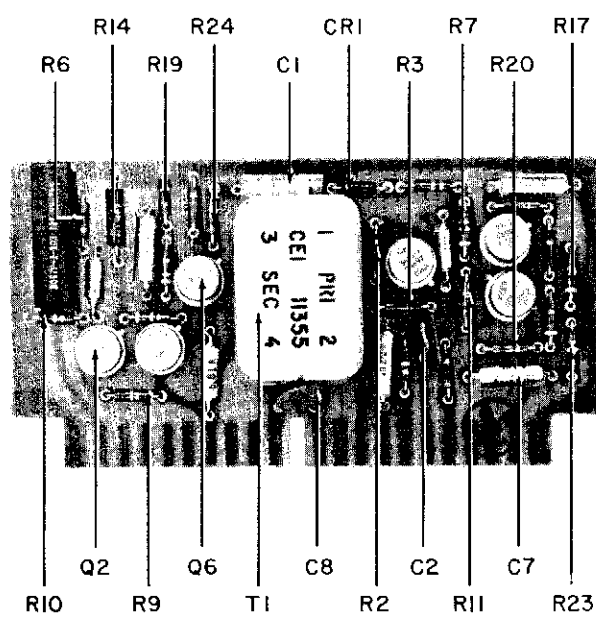
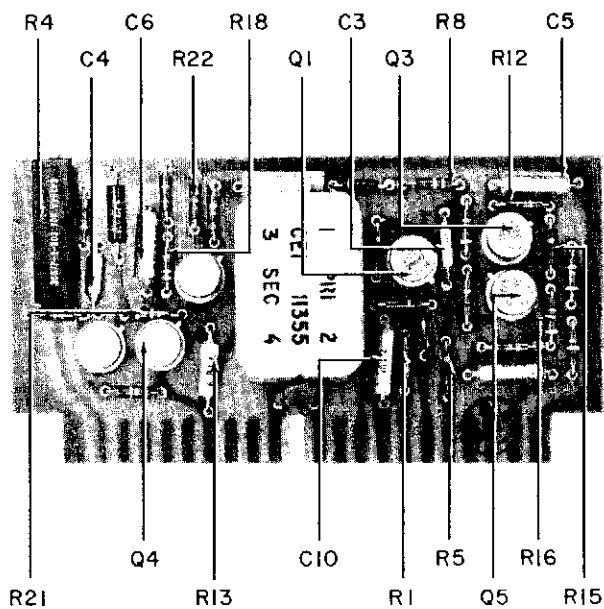


Figure 5-21. Type 7411 Audio Amplifier, Component Locations

REF DESIG PREFIX A7

REF DESIG	DESCRIPTION	QTY. PER ASSY.	MANUFACTURER'S PART NO.	MFR. CODE
R14	RESISTOR, FIXED, FILM: 619 Ω , 1%, 1/4W	1	RN60D6190F	81349
R15	RESISTOR, FIXED, COMPOSITION: 2.2 k Ω , 5%, 1/4W	1	RCR07G222JS	81349
R16	RESISTOR, FIXED, COMPOSITION: 470 Ω , 5%, 1/4W	2	RCR07G471JS	81349
R17	Same as R16			
R18	RESISTOR, FIXED, COMPOSITION: 3.3 k Ω , 5%, 1/4W	1	RCR07G332JS	81349
R19	RESISTOR, FIXED, COMPOSITION: 2.7 k Ω , 5%, 1/4W	1	RCR07G272JS	81349
R20	RESISTOR, FIXED, COMPOSITION: 100 Ω , 5%, 1/4W	1	RCR07G101JS	81349
R21	Same as R7			
R22	RESISTOR, FIXED, COMPOSITION: 270 Ω , 5%, 1/4W	1	RCR07G271JS	81349
R23	RESISTOR, FIXED, COMPOSITION: 100 k Ω , 5%, 1/4W	1	RCR07G104JS	81349
R24	RESISTOR, FIXED, COMPOSITION: 22 Ω , 5%, 1/4W	1	RCR07G220JS	81349
T1	TRANSFORMER	1	11355	14632

REF DESIG PREFIX A8

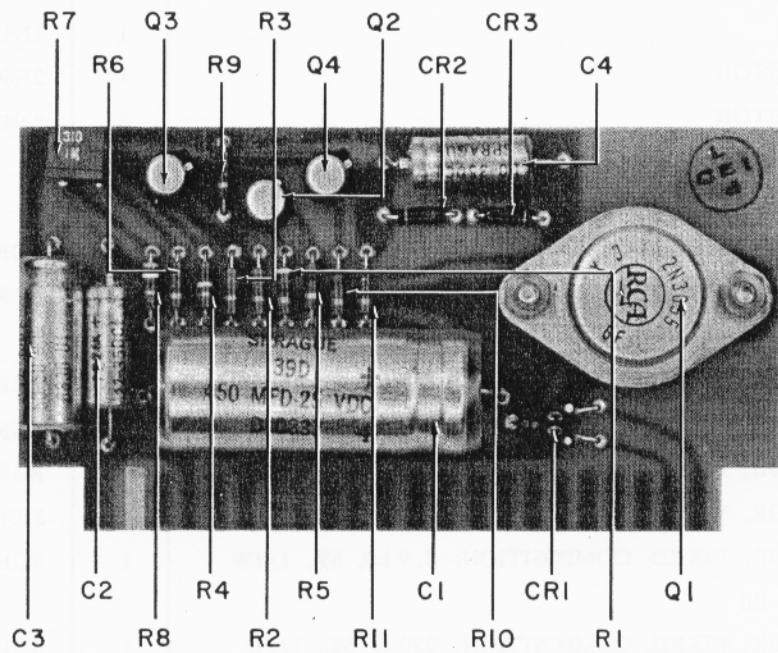


Figure 5-22. Type 76133 +12V Regulated Power Supply, Component Locations