



WMS 51

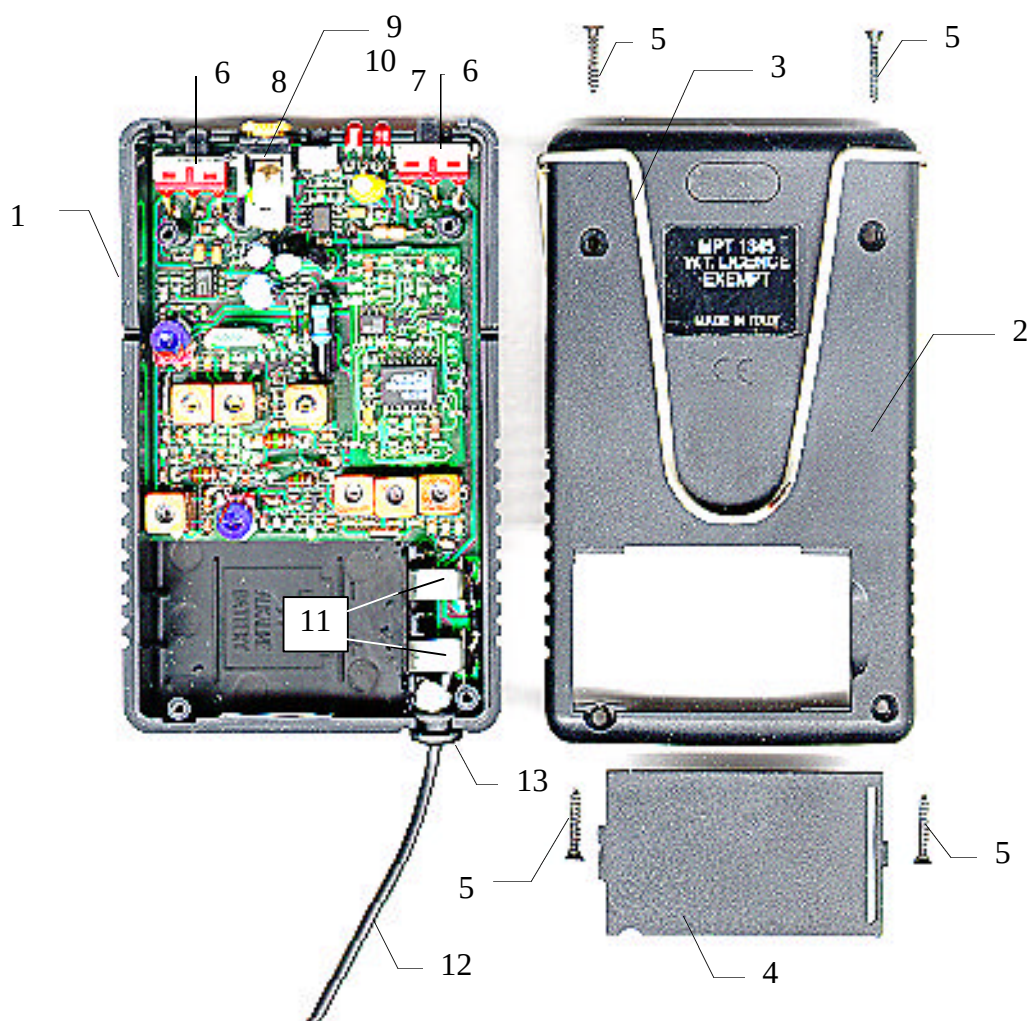
Service Manual

April 1996

WMS 51

Last modification: Items 12 and 13 added / Letzte Änderung: Pos. 12 und 13 hinzu

Pocket Transmitter PT51



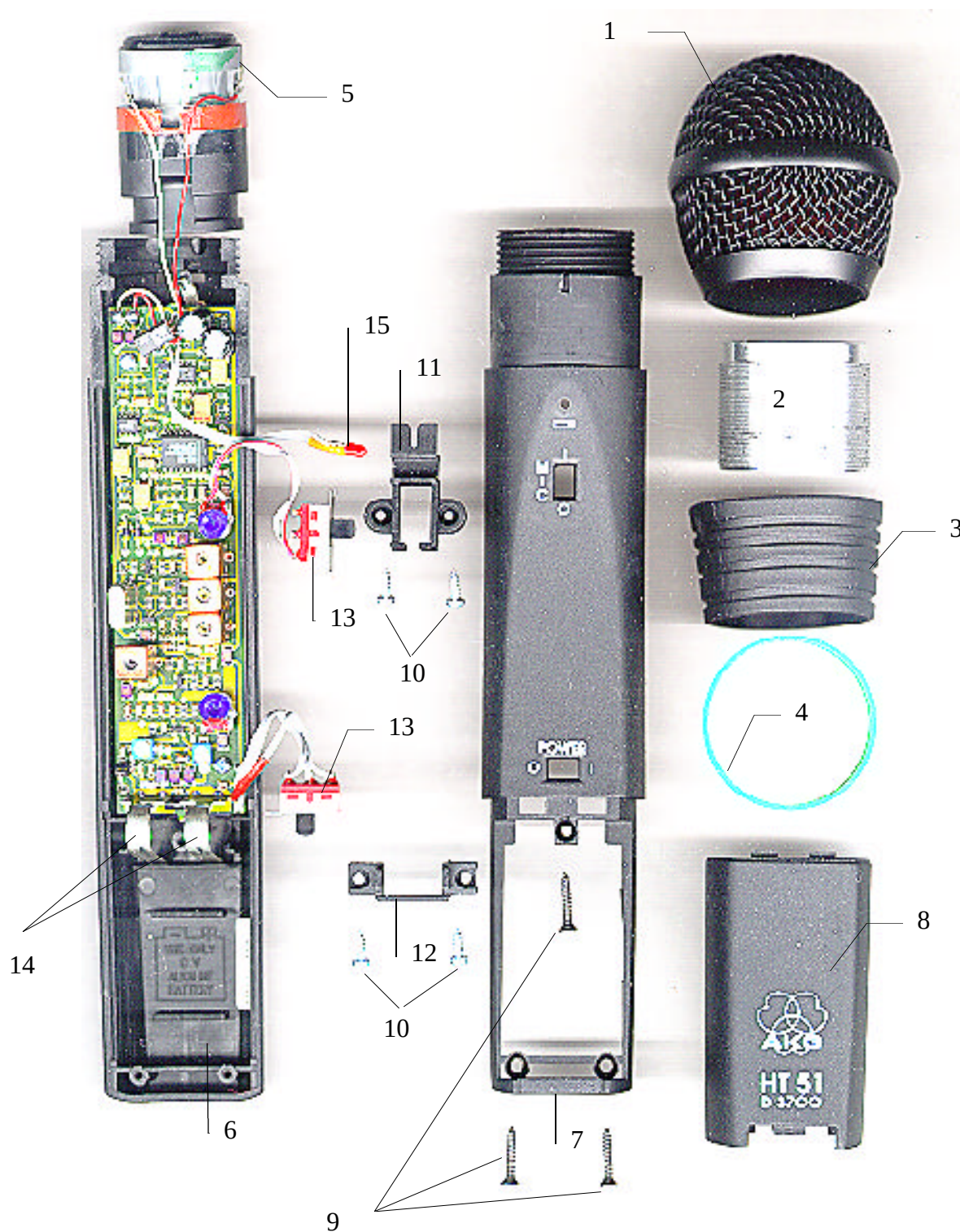
Description	Item Pos.	Order Number Bestellnummer	Quantity Stück	Bezeichnung
Housing shell, front	1	214100010	1	Gehäuseschale, vorne
Housing shell, rear	2	414100121	1	Gehäuseschale, hinten
Belt clip	3	2353Z1791	1	Gürtelspange
Battery cover	4	414100022	1	Batteriedeckel
Screw	5	441232213	4	Schraube
Switch	6	416020002	2	Schalter
LED, red	7	425010001	2	LED, rot
Socket, 3.5mm/B-lock	8	409060026	1	Buchse, 3,5mm/B-lock
Adapter plate for socket	9	414100105	1	Adapterplättchen für Buchse
Potentiometer	10	423170104	1	Potentiometer
Battery contacts	11	213020021	2	Batteriekontakte
Wire antenna	12	102100006	1	Schnurantenne
Grommet	13	414020030	1	Tülle

Complete transmitterboards are not available. For ordering components please see electronics parts list, component layout drawing and schematics.

Komplette Sendepreints sind nicht erhältlich. Elektronische Bauteile sind in eigener Stückliste, Schaltung und Bestückungszeichnung enthalten.

WMS 51

Hand Transmitter HT 51



WMS 51

Hand Transmitter HT 51

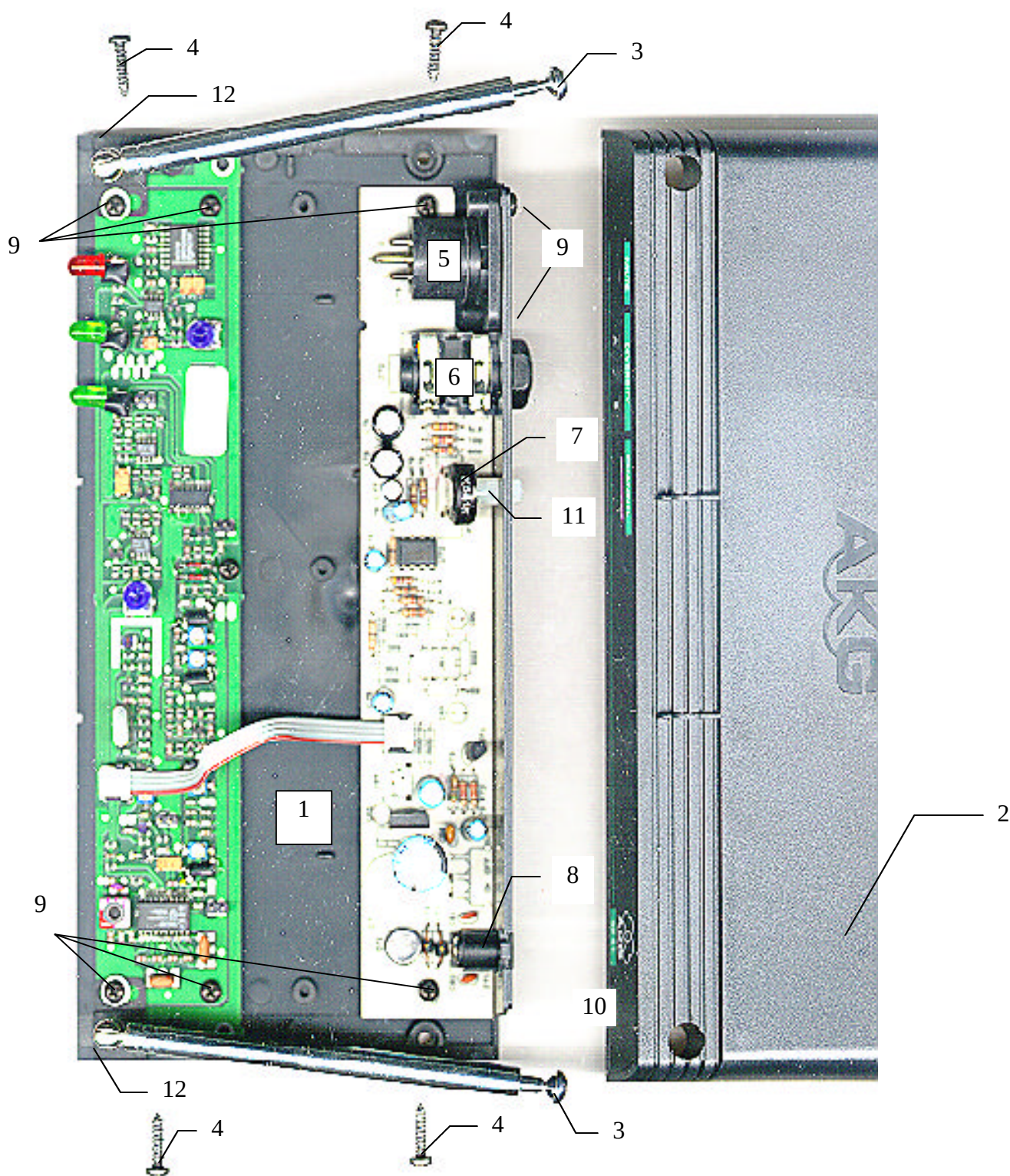
Description	Item Pos.	Order Number Bestellnummer	Quantity Stück	Bezeichnung
Top grill	1	204020001	1	Gitterkappe
Threaded ring	2	417050019	1	Gewinding
Tapered sleeve	3	414100088	1	Konushülse
Color ring	4	414100087	1	Farbring
Capsule complete	5	1400Z0229	1	Kapsel, komplett
Housing shell	6	214100084	1	Gehäuseschale
Housing shell	7	214100085	1	Gehäuseschale
Battery cover	8	214100086	1	Batteriedeckel
Screw	9	441232213	3	Schraube
Screw	10	441122264	4	Schraube
Holder for switch and LED	11	414100103	1	Halter f. Schalter u. LED
Holder for switch	12	414100104	1	Halter f. Schalter
Switch	13	416020001	2	Schalter
Battery contacts	14	213020020	2	Batteriekontakte
LED, red	15	425010001	1	LED, rot

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WMS 51

Receiver / Empfänger SR51



WMS 51

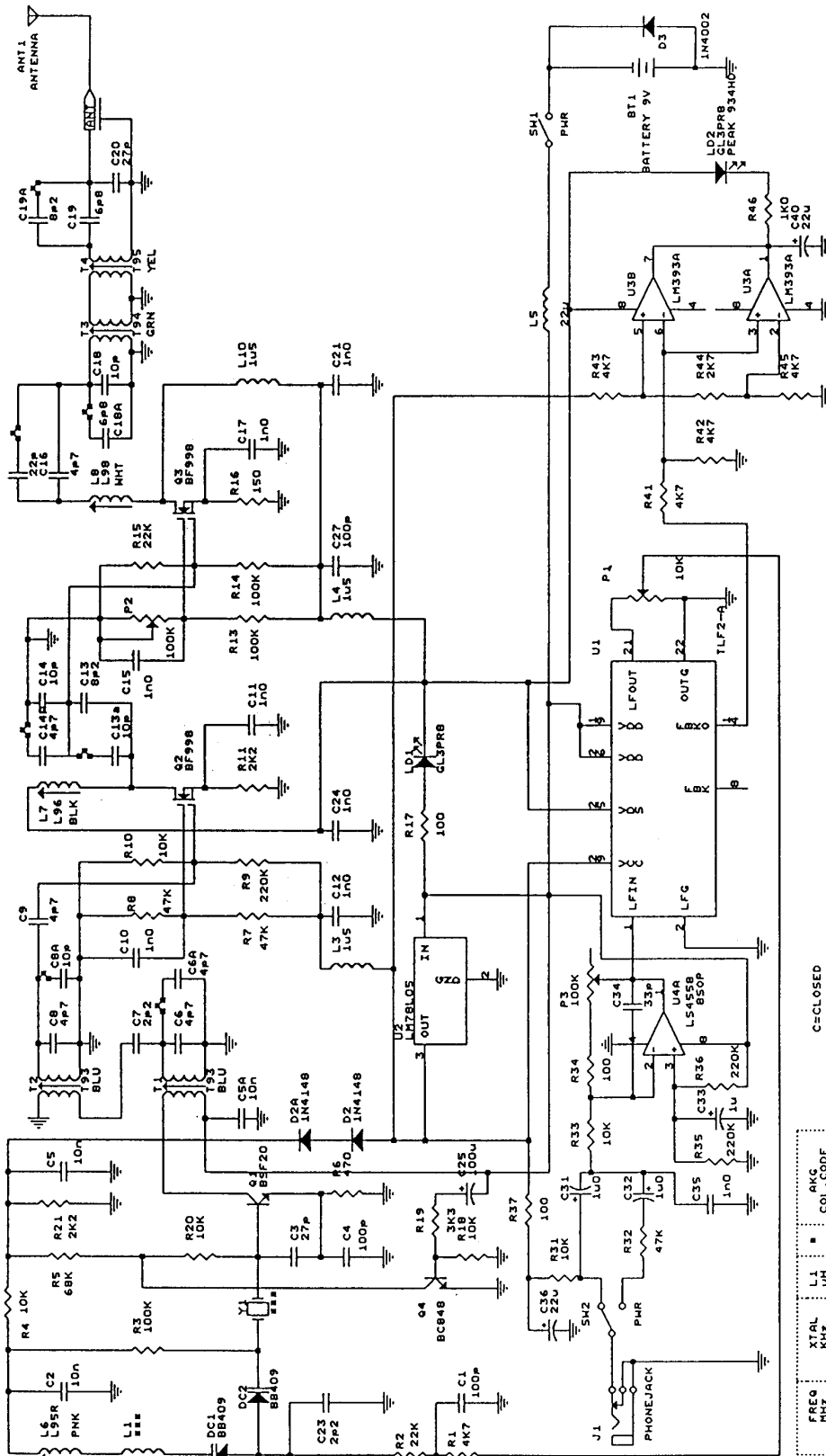
Receiver / Empfänger SR51

Description	Item Pos.	Order Number Bestellnummer	Quantity Stück	Bezeichnung
Housing, bottom shell	1	214050045	1	Bodenschale
Housing, top cover	2	414050050	1	Deckel
Antenna	3	430010005	2	Antenne
Screw	4	441133213	4	Schraube
XLR socket, male, 3-pole	5	409030006	1	XLR Buchse, 3pol. Stift
Jack socket, 1/4", mono	6	409060029	1	Klinkenbuchse 6,3mm, mono
Potentiometer	7	423160002	1	Potentiometer
Powering socket	8	409050010	1	Speisebuchse
Screw	9	441932965	8	Schraube
Front sticker	10	433500017	1	Frontschild
Potentiometer shaft	11	423180001	1	Potentiometerachse
Antenna guide	12	414100073	2	Antennenführung
Mains adapter 220V	--	432010004 or 0027E0038	1	Netzgerät 220 V
Mains adapter 117 V	--	0027E0040	(1)	Netzgerät 117 V

Complete receiverboards are not available. For ordering components please see electronics parts list, component layout drawing and schematics.

Komplette Empfängerprints sind nicht erhältlich. Elektronische Bauteile sind in eigener Stückliste, Schaltung und Bestückungszeichnung enthalten.

Schematics PT 51

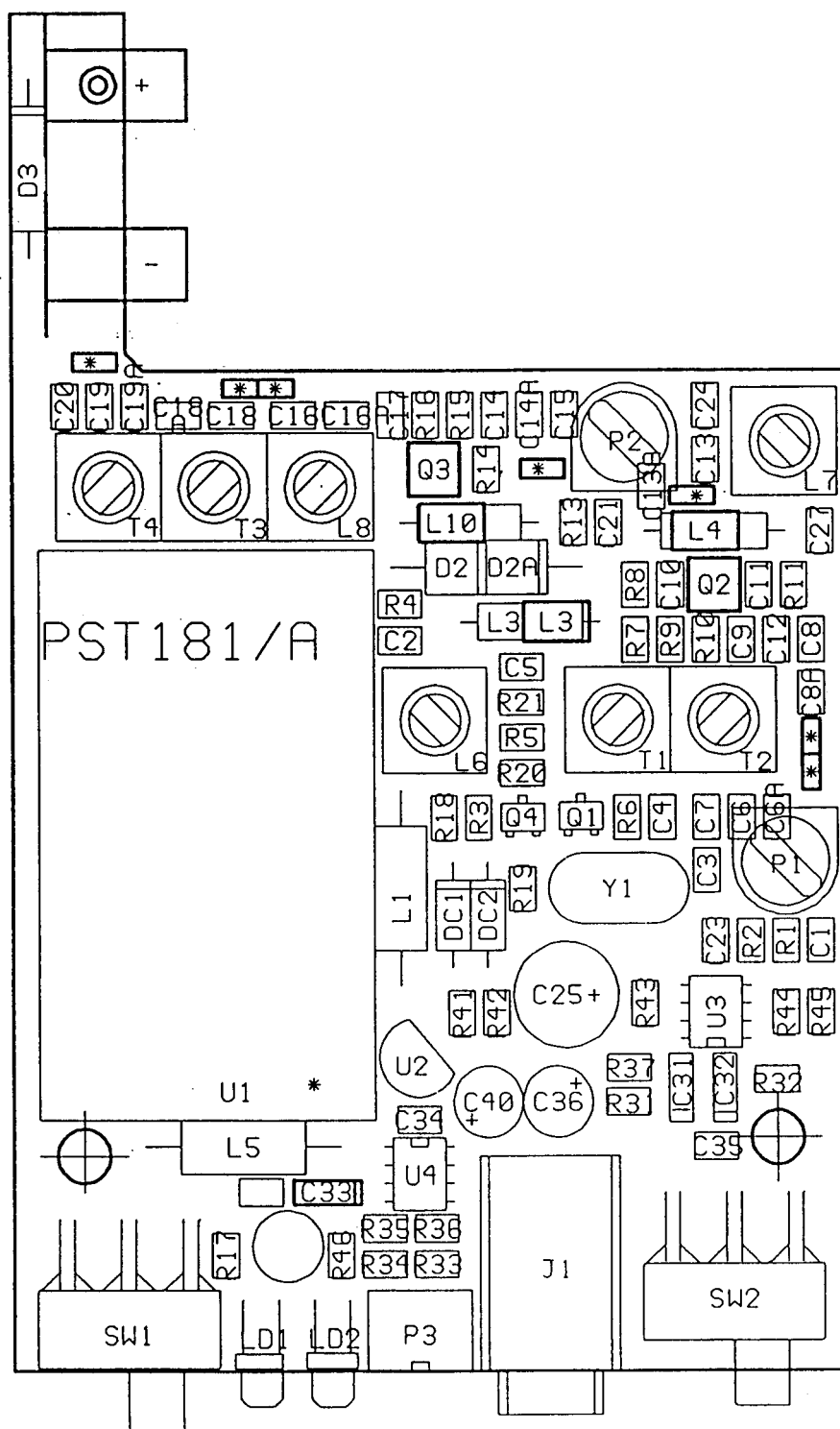


FREQ MHz	XTAL MHz	L1 µH	■	AKG COLOR
173.800	1488.42	6.8	C	BLACK
174.500	14546.77	6.8	C	BROWN
175.000	14588.45	6.8	C	RED
175.750	14650.97	6.8	C	ORANGE
181.210	15106.13	4.7	C	YELLOW
184.180	15353.72	4.7	C	LIGHTGREEN
184.510	15381.23	4.7	C	DARKBLUE
216.250	18027.16	3.3	O	LIGHTBLUE
218.750	18235.56	3.3	O	VIOLET
222.625	18558.59	3.3	O	GRAY
233.125	19433.90	3.3	O	PINK
236.575	19721.50	3.3	O	DARKRED
237.775	19821.54	3.3	O	WHITE

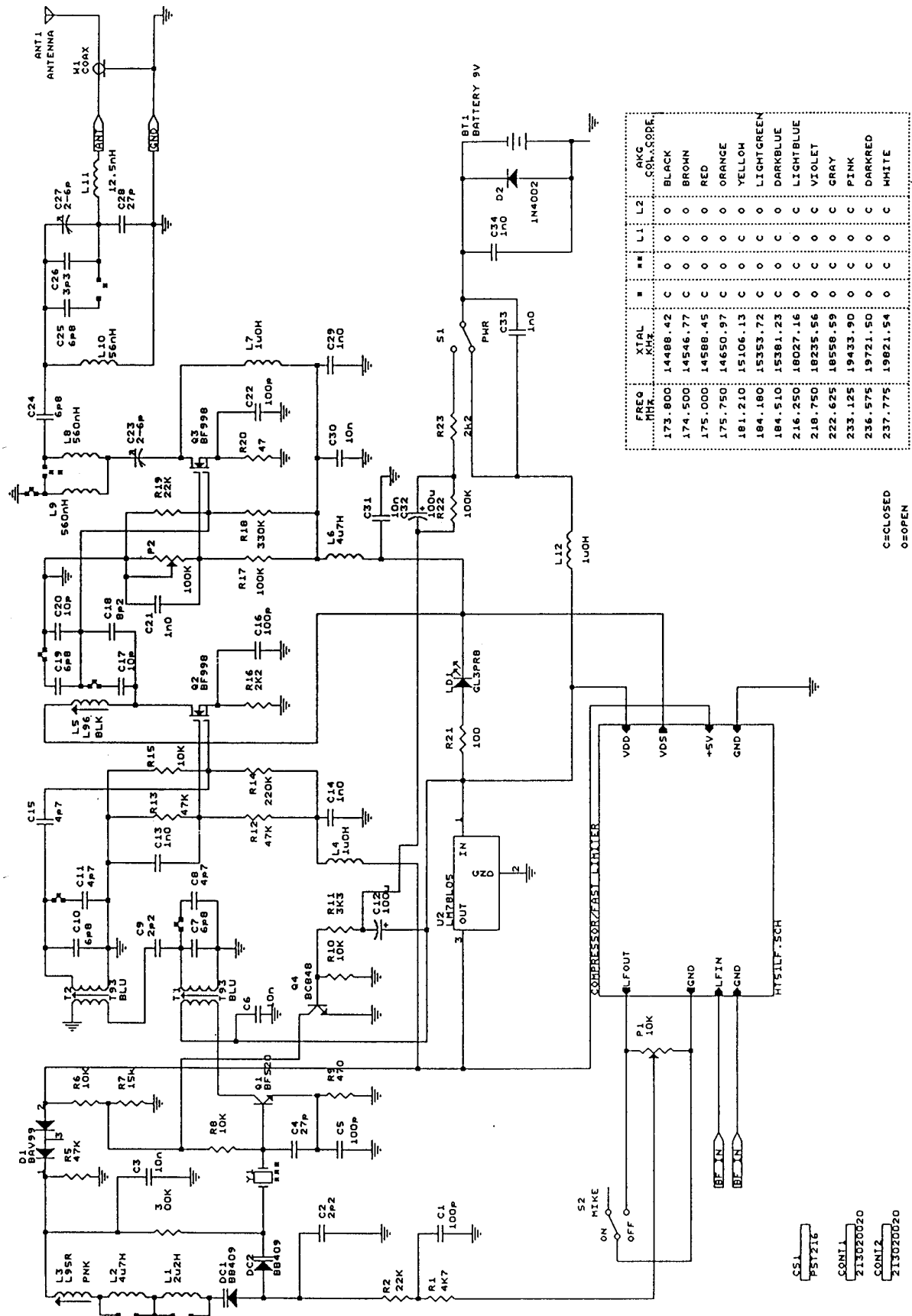
C=CLOSED
O=OPEN

CONT1 SPRING 21302020
CONT2 SPRING 21302020
CS1 PRINTED BOARD

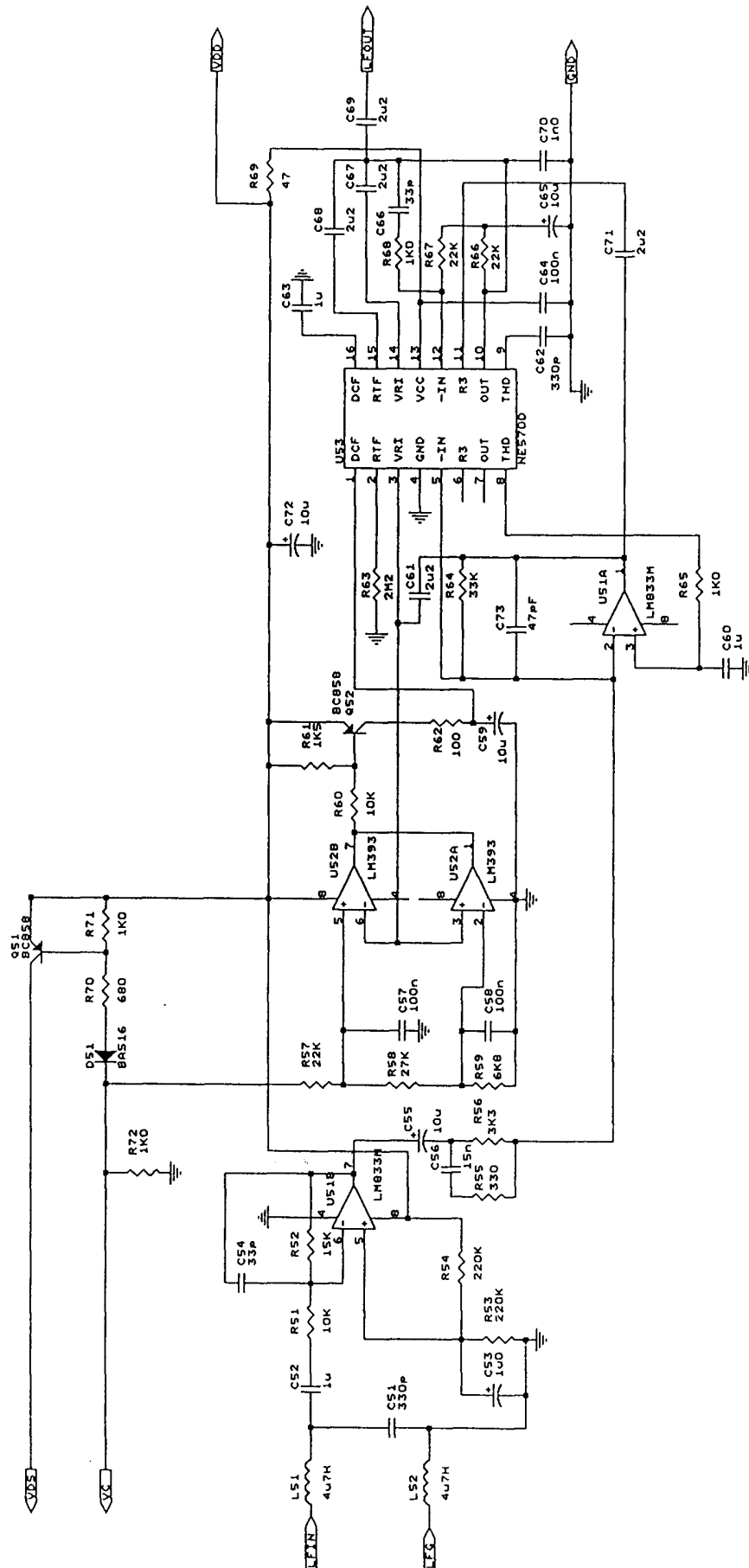
Layout PT 51



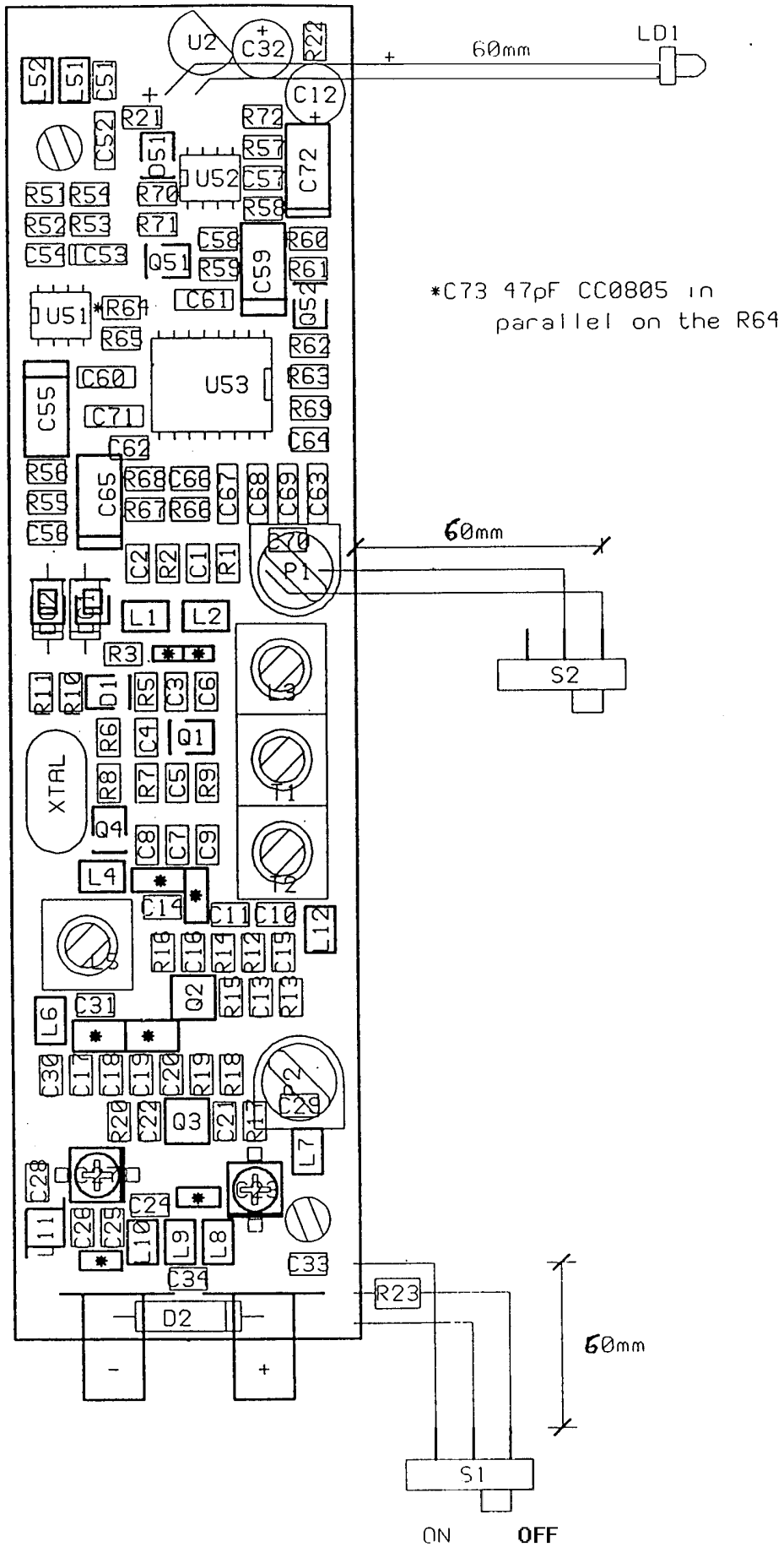
Schematics HT 51



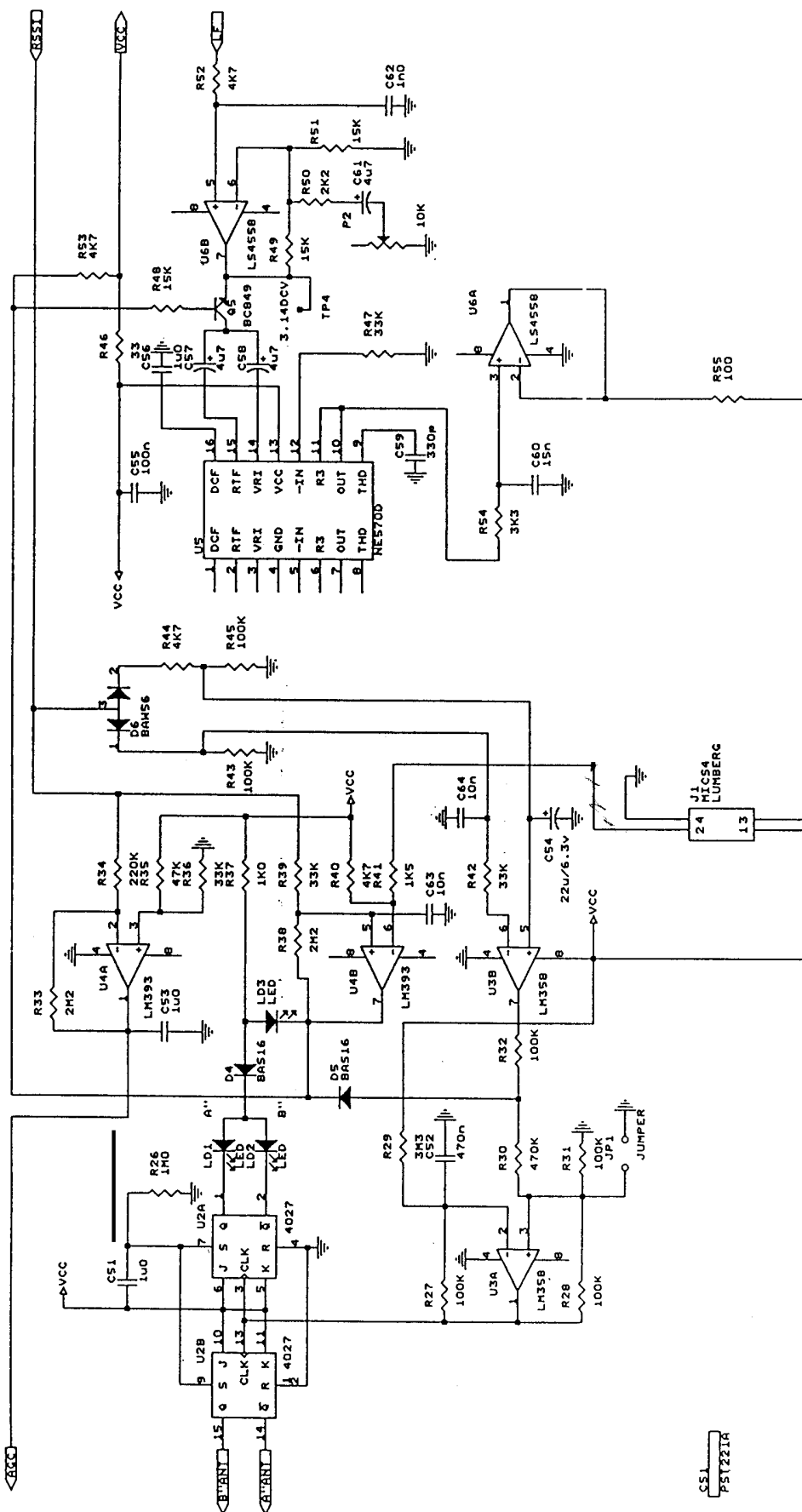
Schematics HT 51 (Kompressor)



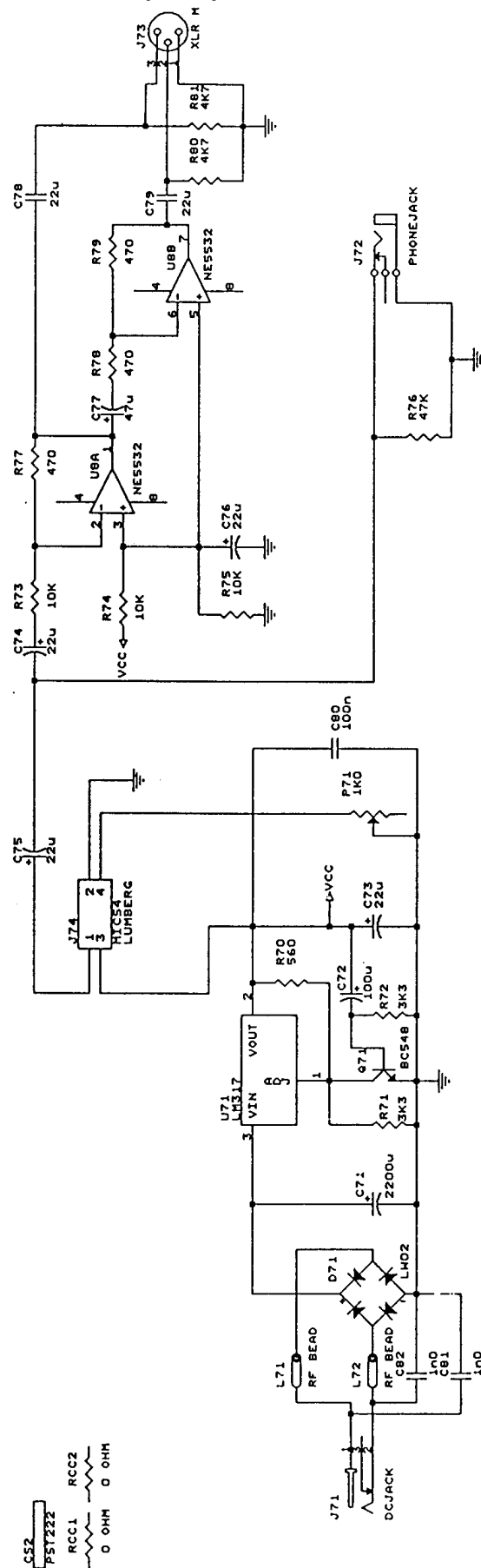
Layout HT 51



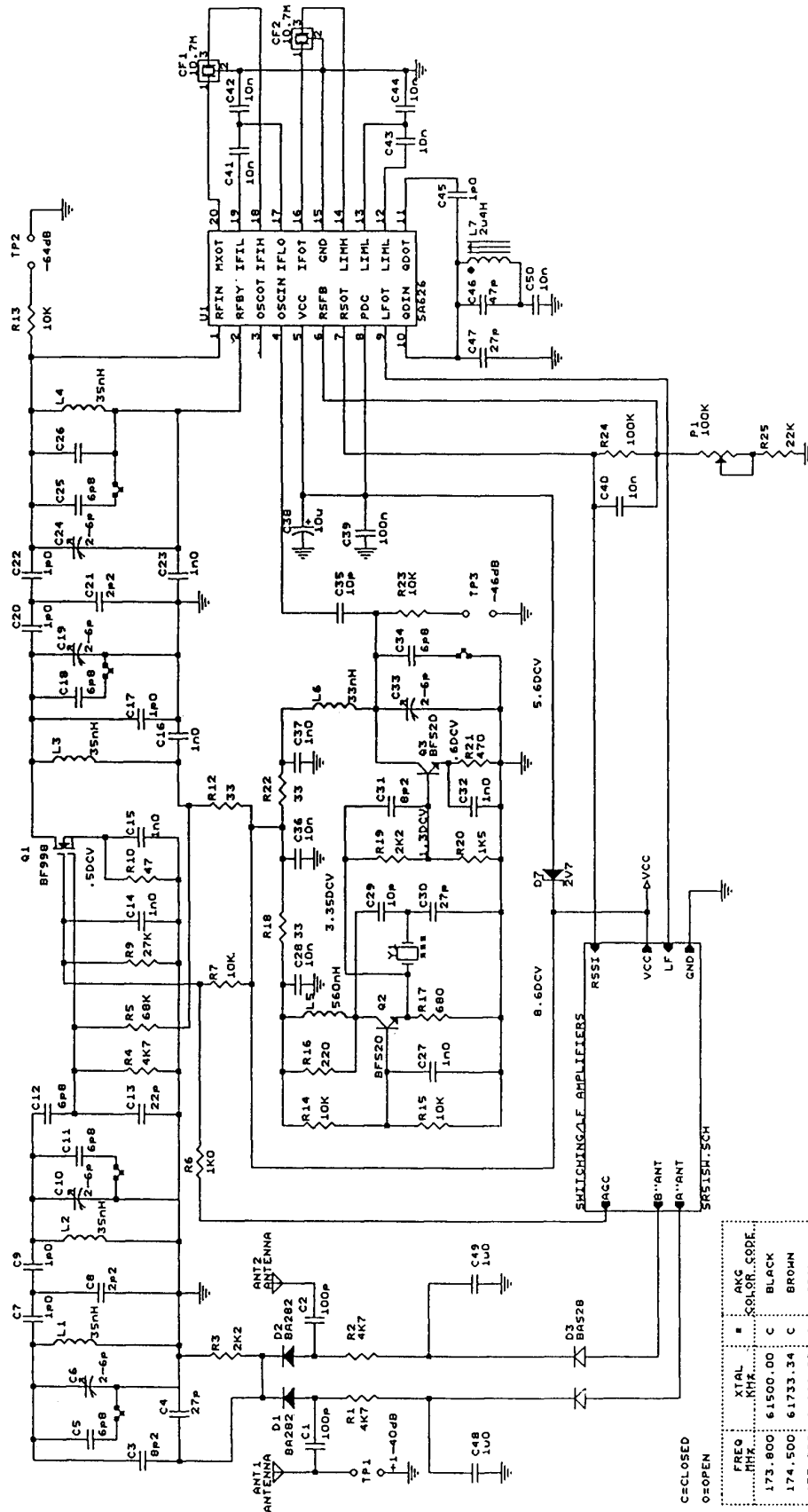
Schematics SR 51 (Diversity and Expander Stage)



Schematics SR 51 (Output and Power Stage)



Schematics SR 51 (HF Stage)



IP3=-21dBm
 S/N=7348A a -93dBm
 S/N=6948A a -96dBm

FREQ MHz	XIAL KHz	#	ANC COLOR CODE
173.800	61500.00	C	BLACK
174.500	61733.34	C	BROWN
175.000	61900.00	C	GRAY
175.750	62150.00	C	ORANGE
181.210	63970.00	C	YELLOW
184.180	64960.00	C	L. GREEN
184.510	65070.00	C	PINK
216.250	68516.67	O	L. BLUE
218.750	69350.00	O	VIOLET
222.625	70641.67	O	RED
233.125	74141.67	O	D. BLUE
236.575	75291.67	O	D. RED
237.775	75691.67	O	WHITE

Layout SR 51

