

CONFIDENTIAL

The schematic diagram illustrates the internal circuitry of the DCT Hummingbird Base. Key components and sections include:

- Telephone Line Interface:** Located at the top left, featuring a transformer and associated signal conditioning components.
- Battery Level Detector:** A circuit at the top center that monitors the battery status using a Zener diode and comparators.
- RF Section:** A series of components on the right side, including various diodes and transistors, likely for radio frequency communication.
- Base Selection:** A central control section involving a microcontroller (U100 R557504M) and multiple relays for selecting between different operational modes.
- Power Supply:** A dedicated section at the bottom center that regulates the power from the battery to the various system components.
- Park Detector:** A circuit at the bottom right that detects the presence of a vehicle in the parking area.
- Battery Charger:** A component at the bottom left that manages the recharging of the battery.

The central microcontroller, U100 R557504M, is connected to numerous pins, each labeled with a specific function such as RF, BATT, VCC, GND, and various control signals. The diagram also includes numerous passive components like resistors and capacitors, and a detailed pinout for the microcontroller.

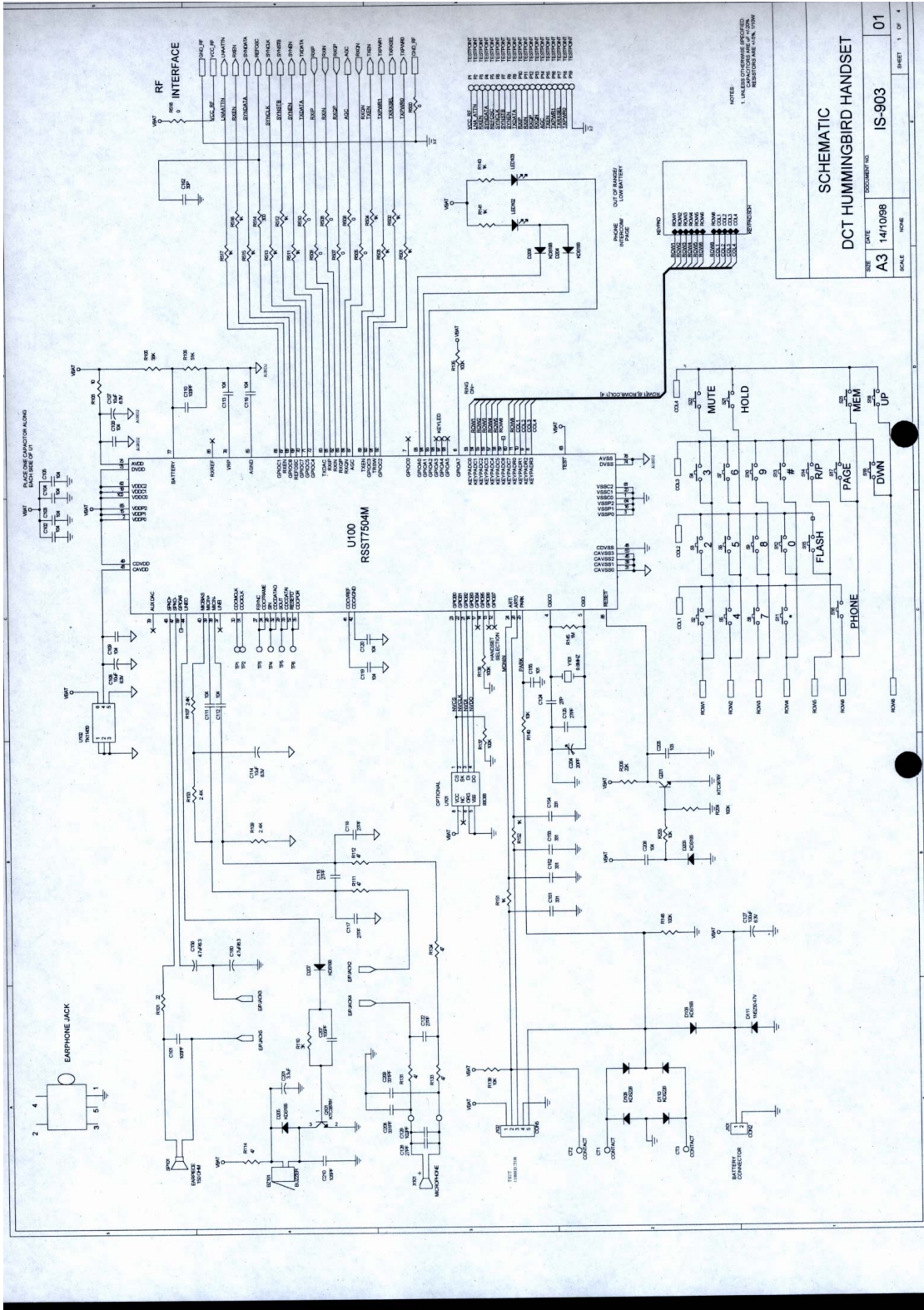
SCHEMATIC
DCT HUMMINGBIRD BASE

REV	DATE	DOCUMENT NO	IS-903	01
A3	10/01/998			
SCALE	NONE			
SHEET	1 OF 4			

SCHMATIC DCT HUMMINGBIRD BASE		IS-903	01
DATE A3	DATE 10/10/1998	DOCUMENT NO	
SCALE NONE		SHEET 1 OF 1	

SIZE A3	DATE 10/10/1998	DOCUMENT NO. IS-903	01
SCALE	NONE	SHEET 1 OF 4	

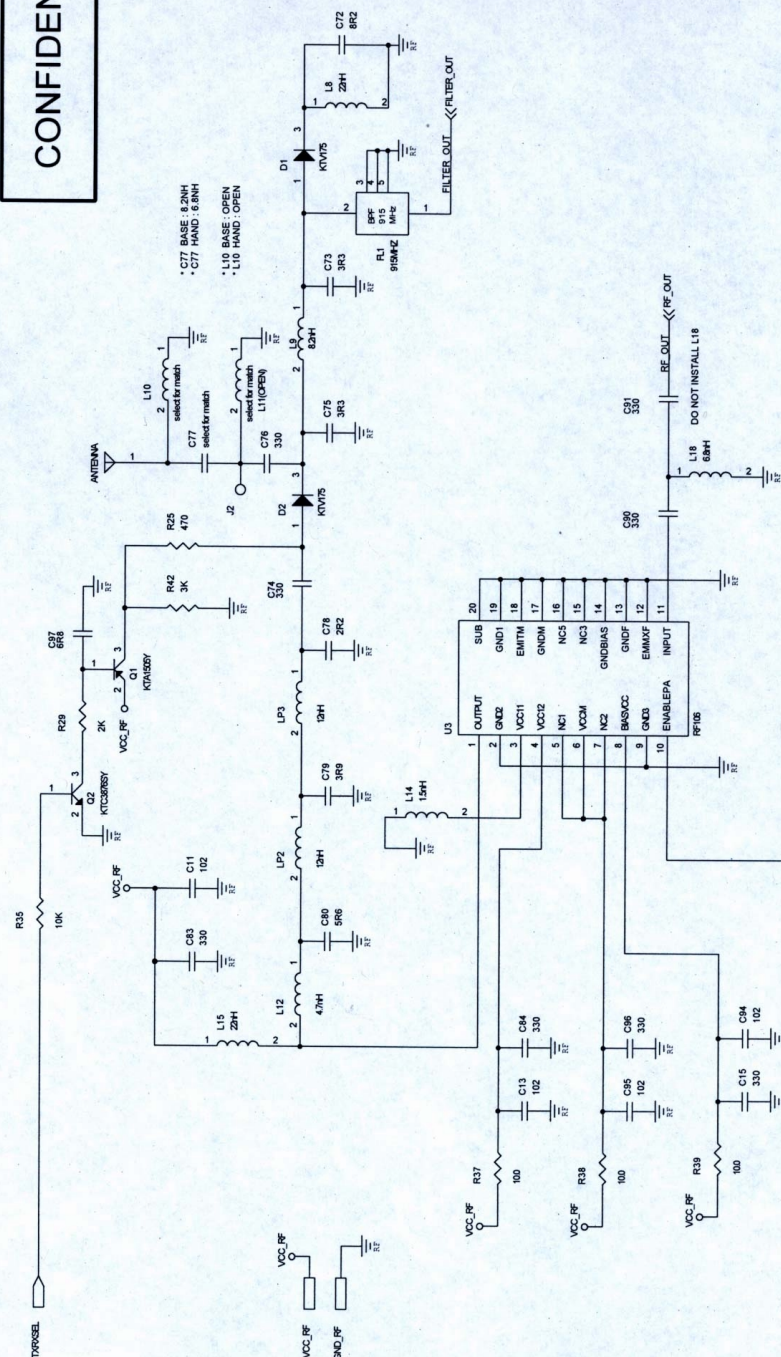
SHEET 1 OF 4



SCHEMATIC DCT HUMMINGBIRD HANDSET

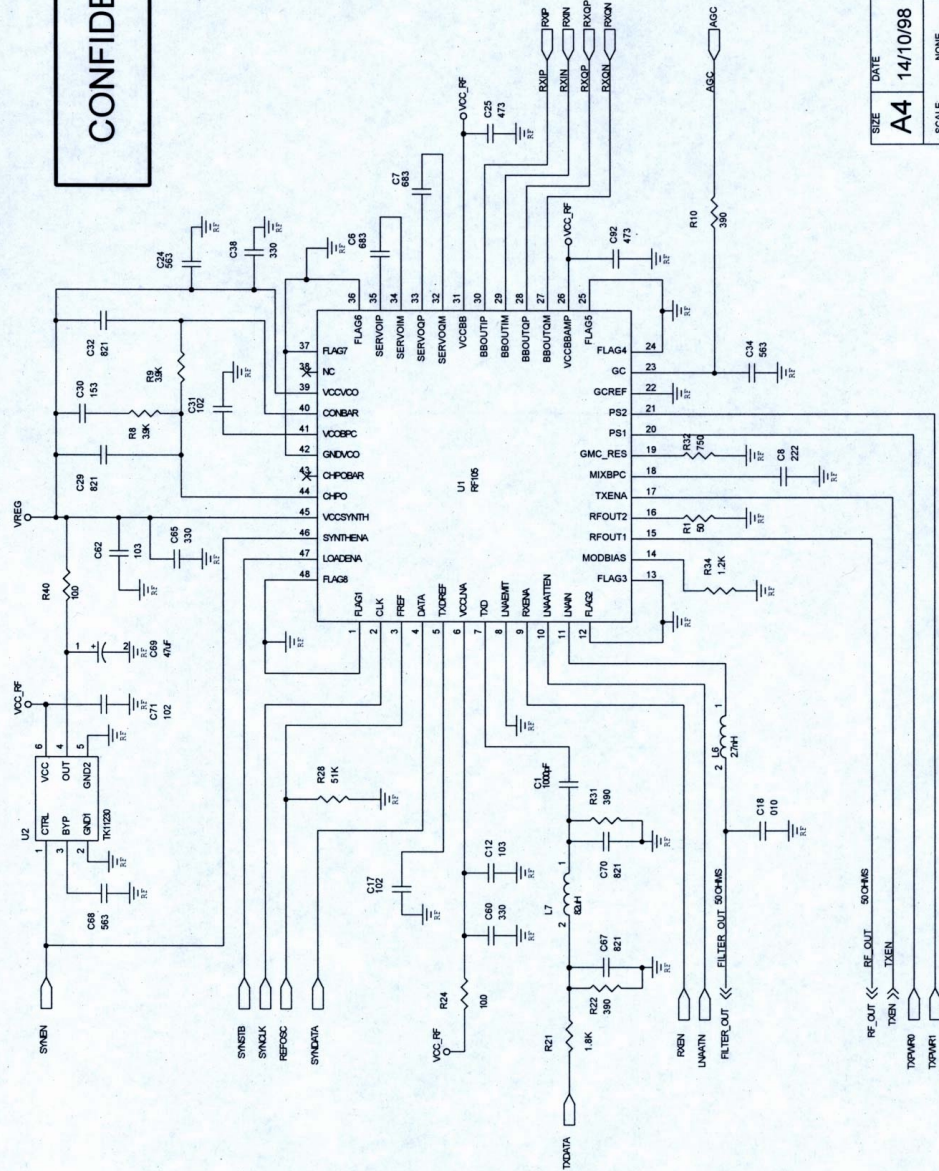
DATE	14/10/98
SCALE	NONE
SHEET	1 OF 4

CONFIDENTIAL



SIZE A4	DATE 14/10/98	DOCUMENT NO. IS-903 RF 1	01
SCALE	NONE	SHEET	3 OF 4

CONFIDENTIAL



SIZE	DATE	DOCUMENT NO.	SHEET
A4	14/10/98	IS-903 RF 2	01
SCALE	NONE		4 OF 4