

## Modification on Sony SPP-A945 (FCC ID : AK8SPP930)

The modification made is basically replacing the 2 ceramic filters & a few components by a Saw Duplexer. Details of the component changes are listed as follows :-

Handset RF board :

- 1) Remove ceramic filter F1, F2
- 2) Remove inductor L3, L4
- 3) Remove capacitor C2, C3, C4
- 4) Add Saw Duplexer F1
- 5) Add C1 – 47pF

Base RF board :

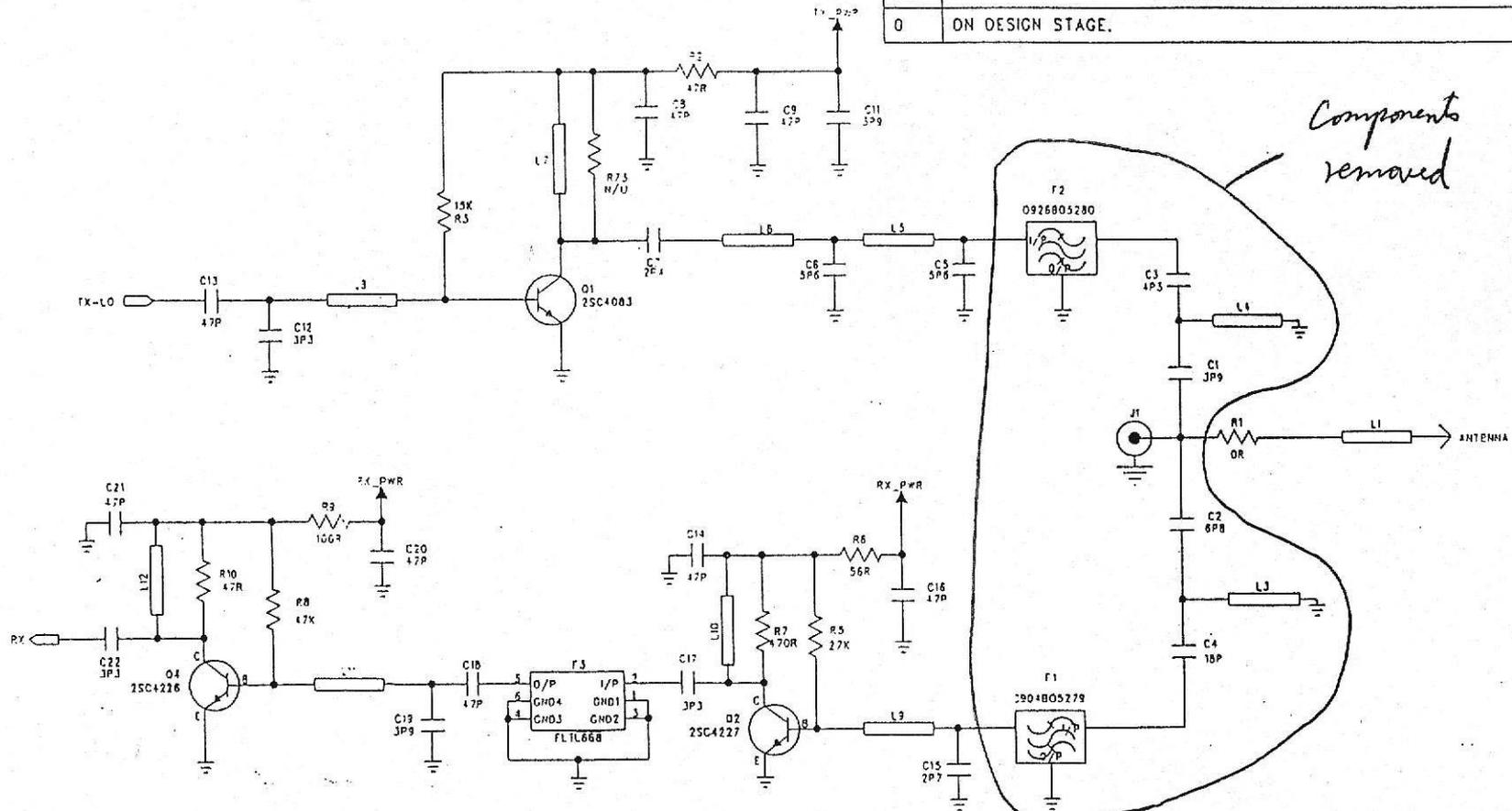
- 6) Remove ceramic filter F1, F2
- 7) Remove inductor L3, L4
- 8) Remove capacitor C2, C3, C4
- 9) Add Saw Duplexer F1
- 10) Add C1 – 47pF

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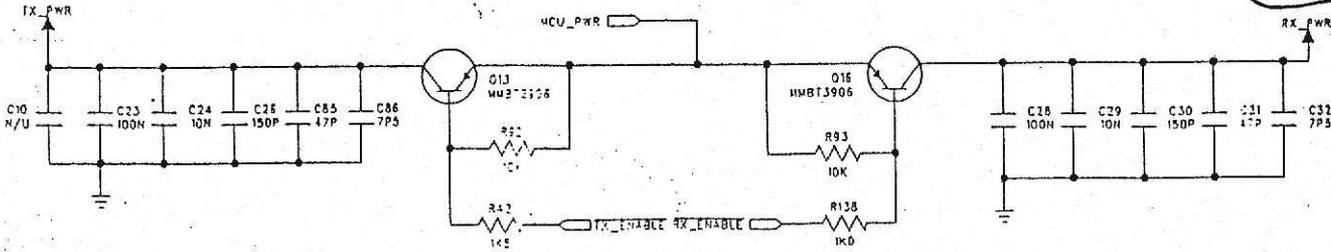
Handset	RF circuitry	Sheet 1 of 5 (old)	-- Page 2
Handset	RF circuitry	Sheet 1 of 5 (new)	-- Page 3
Handset	RF circuitry	Sheet 2 - 5 of 5	-- Page 4 - 7
Base	RF circuitry	Sheet 1 of 7 (old)	-- Page 8
Base	RF circuitry	Sheet 1 of 7 (new)	-- Page 9
Base	RF circuitry	Sheet 2 - 7 of 7	-- Page 10 - 15

Note : The changes only affect Sheet 1 of Handset & Base schematic diagrams.

REVISION	
REV	DESCRIPTION
0	ON DESIGN STAGE.



*Components removed*



*Old Schematics*

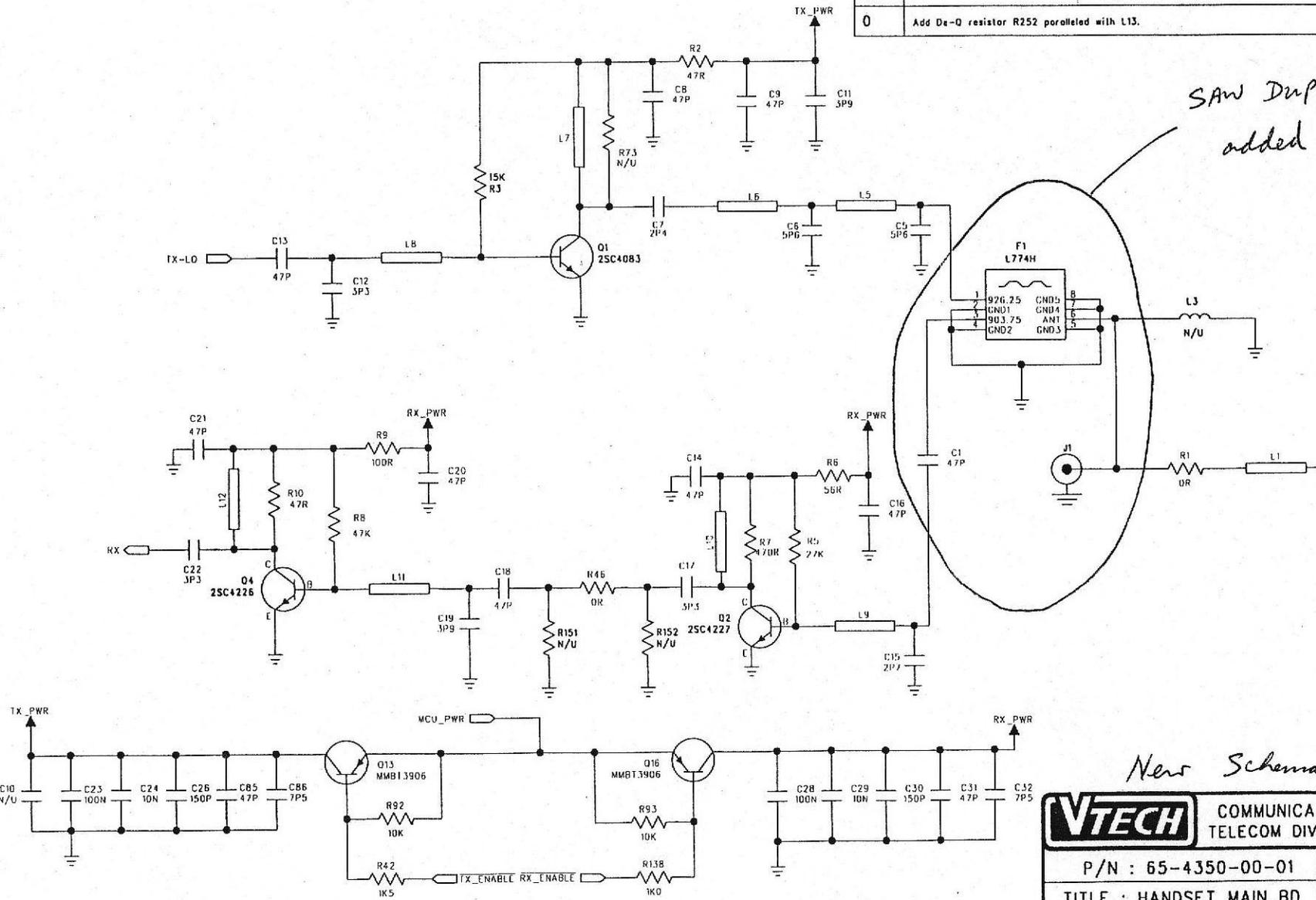
<b>VTECH</b> COMMUNICATIONS LTD. TELECOM DIVISION (HK)	
P/N: 65-4210-00-00	06/R&D SPP-935
TITLE: HANDSET-MAIN BD	4210000.SCH 4210-01.JOB
CHK:	APPR: DATE: 17 NOV. 97
DATE:	DATE: SHEET 1 OF 5

Sch-1 - Tue Dec 30 12:32:55. 1997

6 5 4 3 2 1

REVISION	
REV	DESCRIPTION
0	Add De-O resistor R252 paralleled with L13.

SAW DUPLEXER added



New Schematics

<b>VTECH</b> COMMUNICATIONS LTD. TELECOM DIVISION	
P/N : 65-4350-00-01	DG/DE SPP-945
TITLE : HANDSET MAIN BD	43500001.SCH 4350-02.JOB
CHK:	APPR: DATE: 11 MAY 99
DATE:	DATE: SHEET 1 OF 5

D

D

C

C

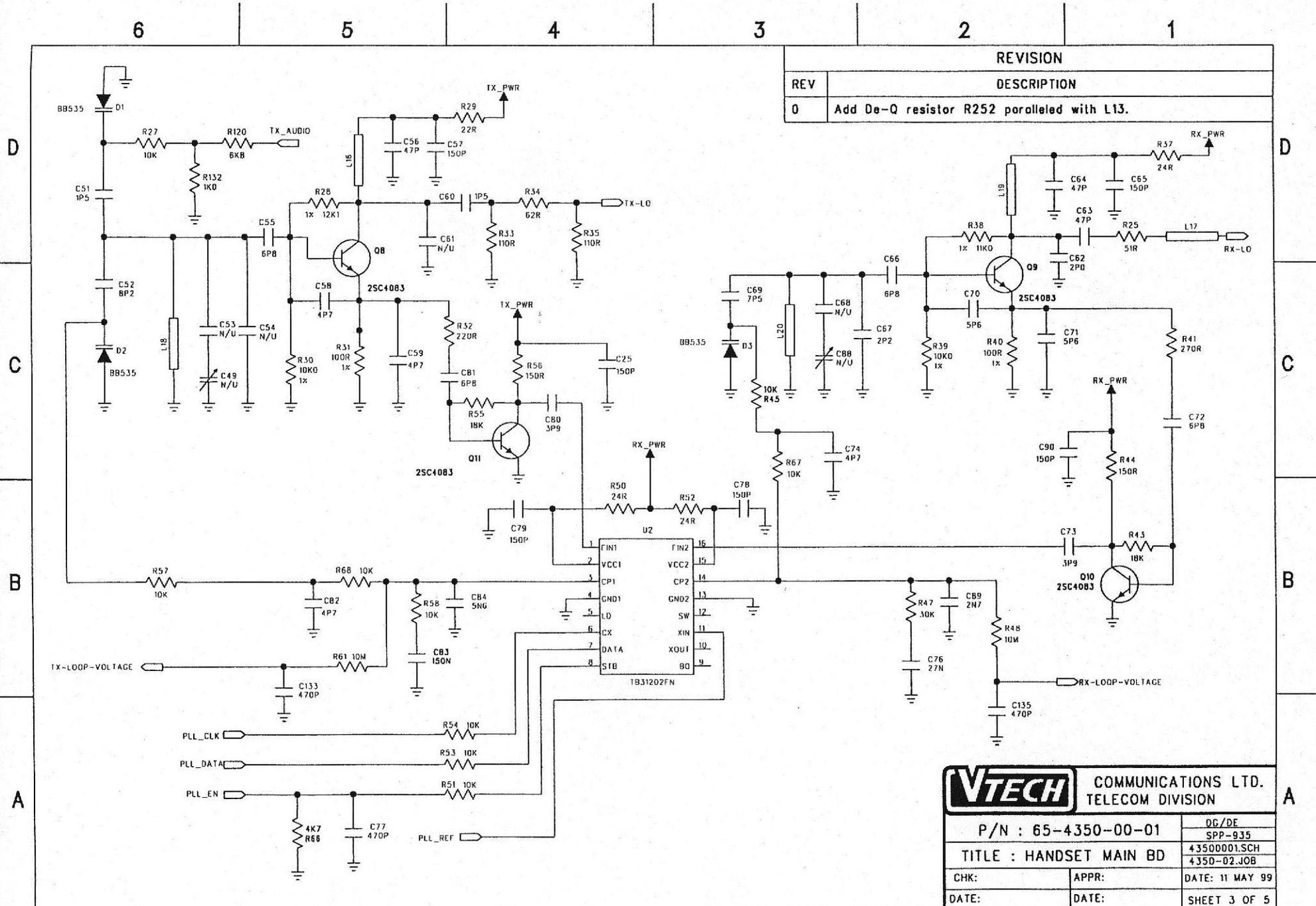
B

B

A

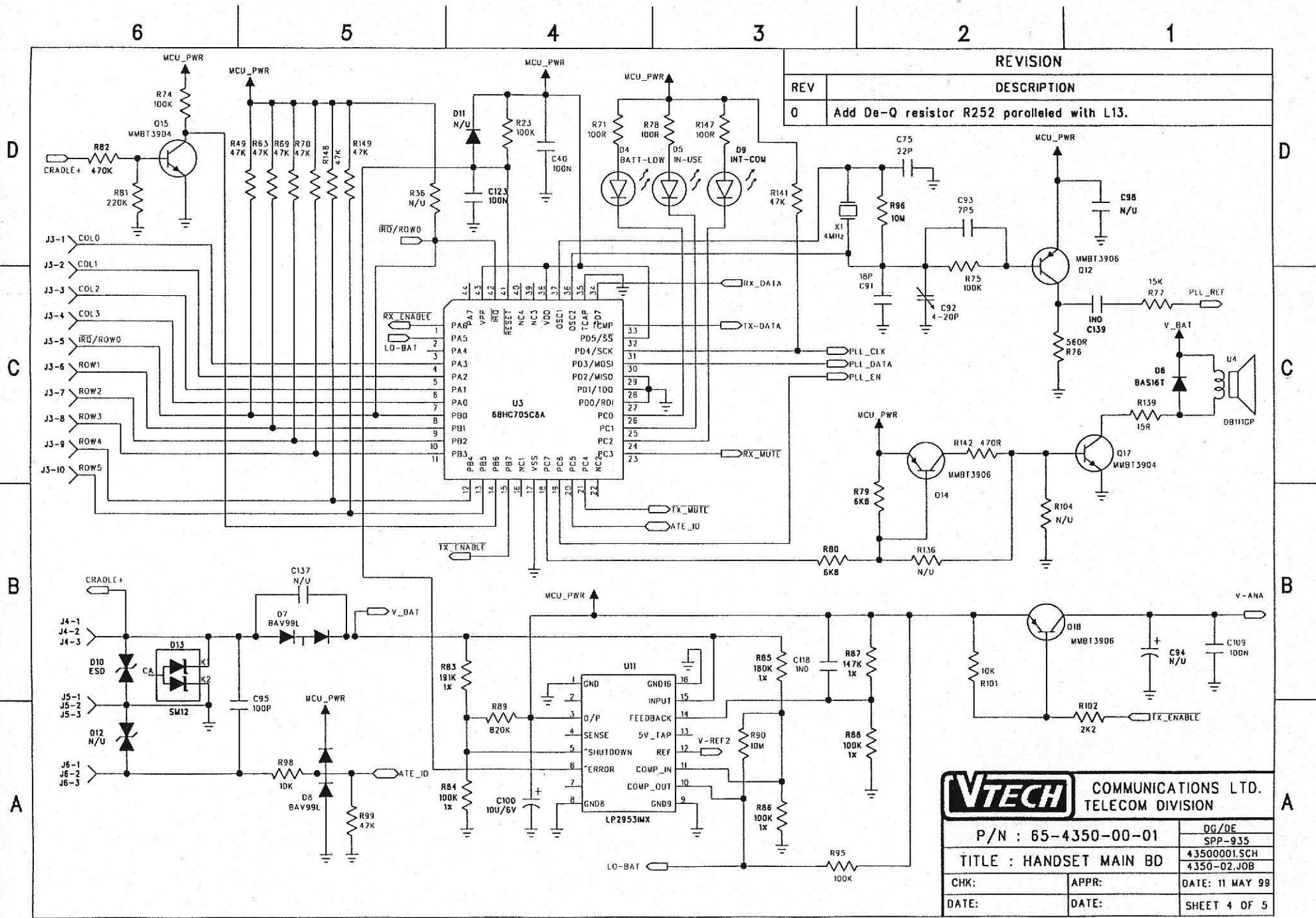
A





REVISION	
REV	DESCRIPTION
0	Add De-Q resistor R252 paralleled with L13.

<b>VTECH</b> COMMUNICATIONS LTD. TELECOM DIVISION	
P/N : 65-4350-00-01	DC/DE SPP-935
TITLE : HANDSET MAIN BD	43500001.SCH 4350-02.JOB
CHK:	APPR: DATE: 11 MAY 99
DATE:	DATE: SHEET 3 OF 5



REVISION	
REV	DESCRIPTION
0	Add D8-Q resistor R252 paralleled with L13.

**VTECH** COMMUNICATIONS LTD.  
TELECOM DIVISION

P/N : 65-4350-00-01		0G/DE
		SPP-935
TITLE : HANDSET MAIN BD		43500001.SCH
		4350-02.JOB
CHK:	APPR:	DATE: 11 MAY 99
DATE:	DATE:	SHEET 4 OF 5

D

C

B

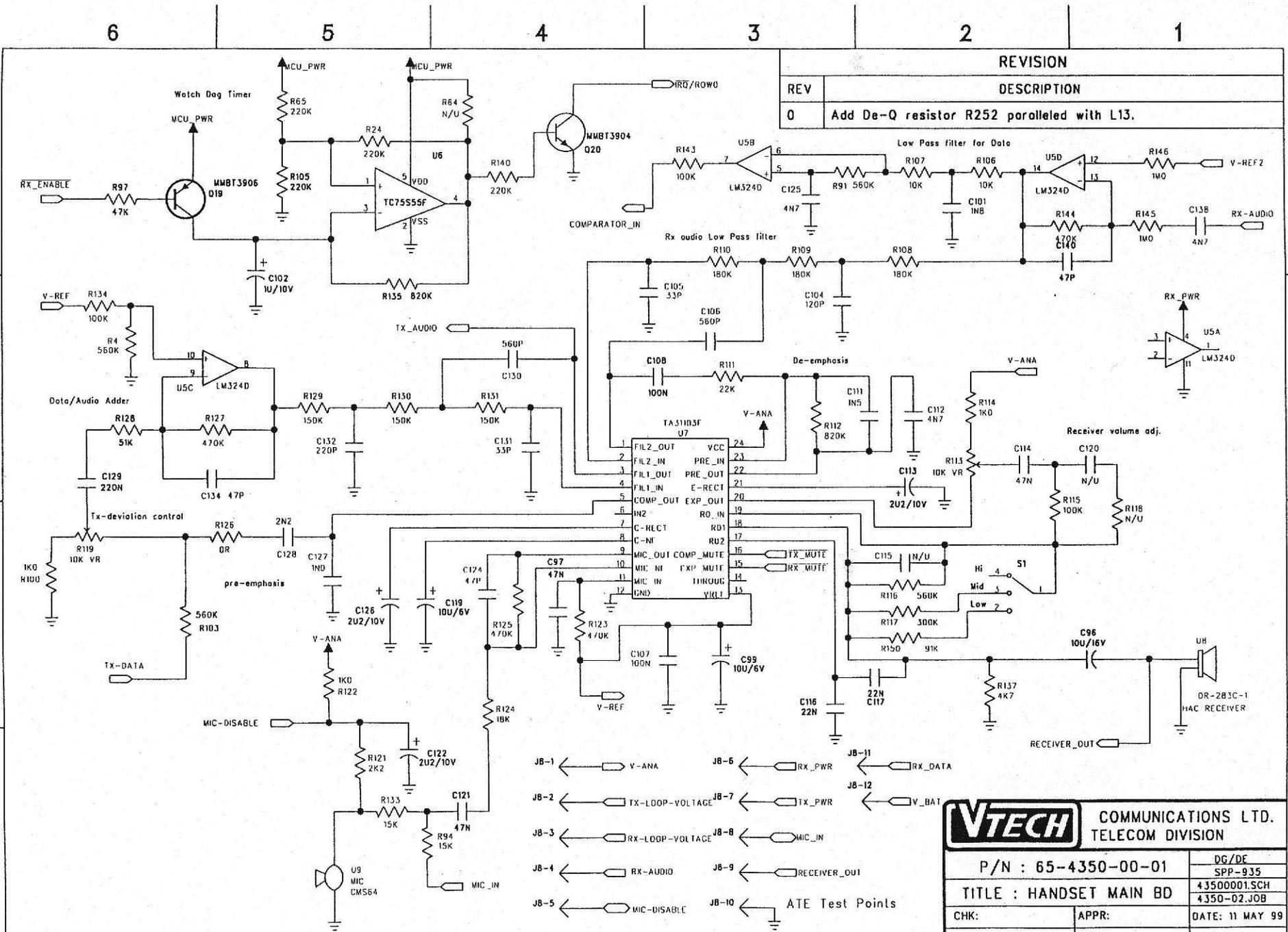
A

D

C

B

A



REVISION	
REV	DESCRIPTION
0	Add De-Q resistor R252 paralleled with L13.

- JB-1 ← V-ANA
- JB-2 ← TX-LOOP-VOLTAGE
- JB-3 ← RX-LOOP-VOLTAGE
- JB-4 ← RX-AUDIO
- JB-5 ← MIC-DISABLE
- JB-6 ← RX\_PWR
- JB-7 ← TX\_PWR
- JB-8 ← MIC\_IN
- JB-9 ← RECEIVER\_OUT
- JB-10 ← ATE Test Points

		COMMUNICATIONS LTD.	
		TELECOM DIVISION	
P/N : 65-4350-00-01		DG/DE	
		SPP-935	
TITLE : HANDSET MAIN BD		43500001.SCH	
		4350-02.JOB	
CHK:	APPR:	DATE: 11 MAY 99	
DATE:	DATE:	SHEET 5 OF 5	