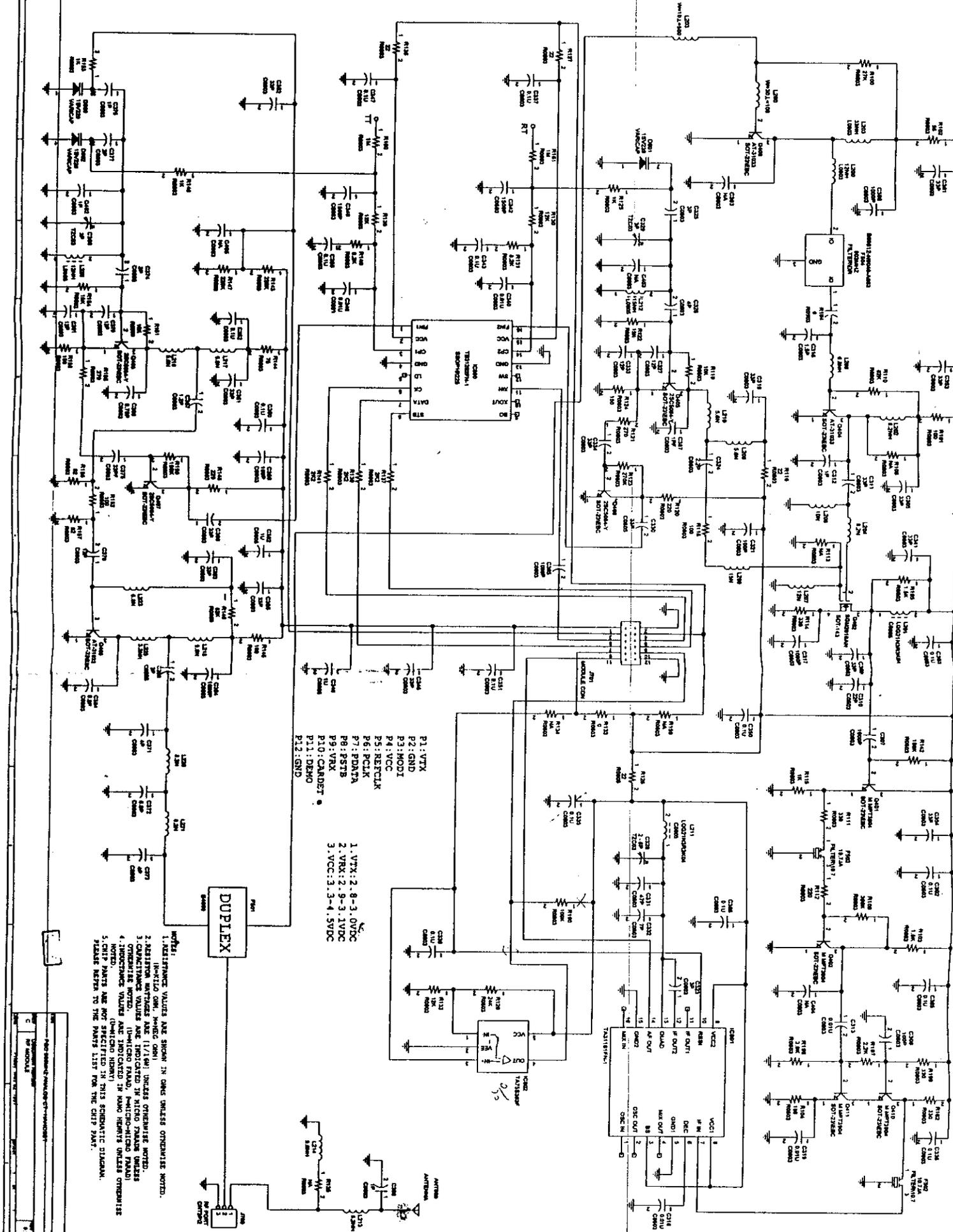


EXHIBIT D

Circuit Diagram



- P1: VTX
- P2: GND
- P3: MODI
- P4: VCC
- P5: REFLX
- P6: PCLK
- P7: PDNPA
- P8: PSTB
- P9: VRX
- P10: CARDET
- P11: DEMO
- P12: GND

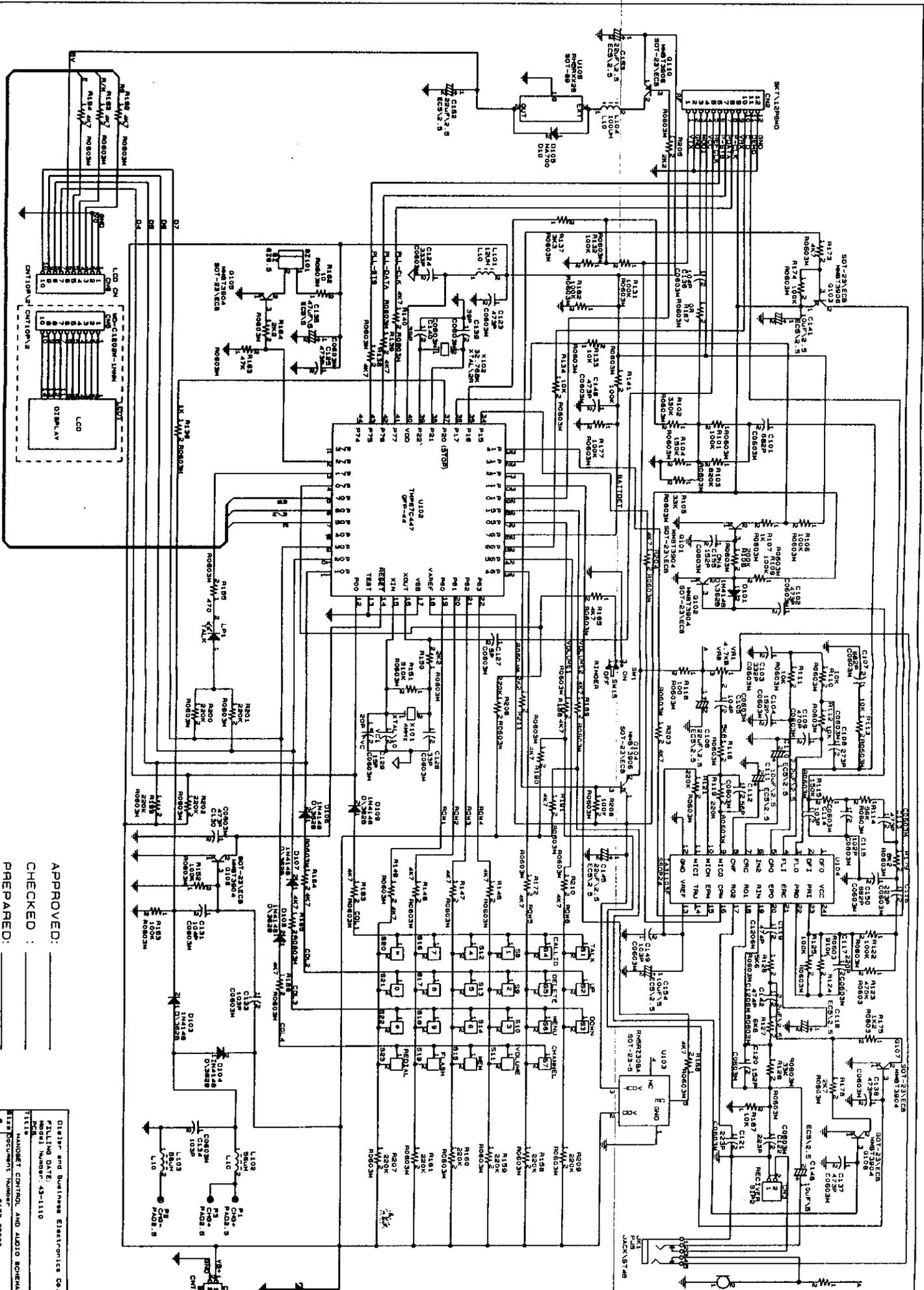
- 1. VTX: 2.8-3.0VDC
- 2. VRX: 2.9-3.1VDC
- 3. VCC: 3.3-4.5VDC

NOTES:

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED.
2. RESISTOR NOTATION IS (R) OHMS (K) KILO OHMS (M) MEG OHMS.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED.
4. CAPACITANCE VALUES ARE INDICATED IN PICO FARADS UNLESS OTHERWISE NOTED.
5. CHIP PARTS ARE NOT SPECIFIED IN THIS SCHEMATIC DIAGRAM. PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.

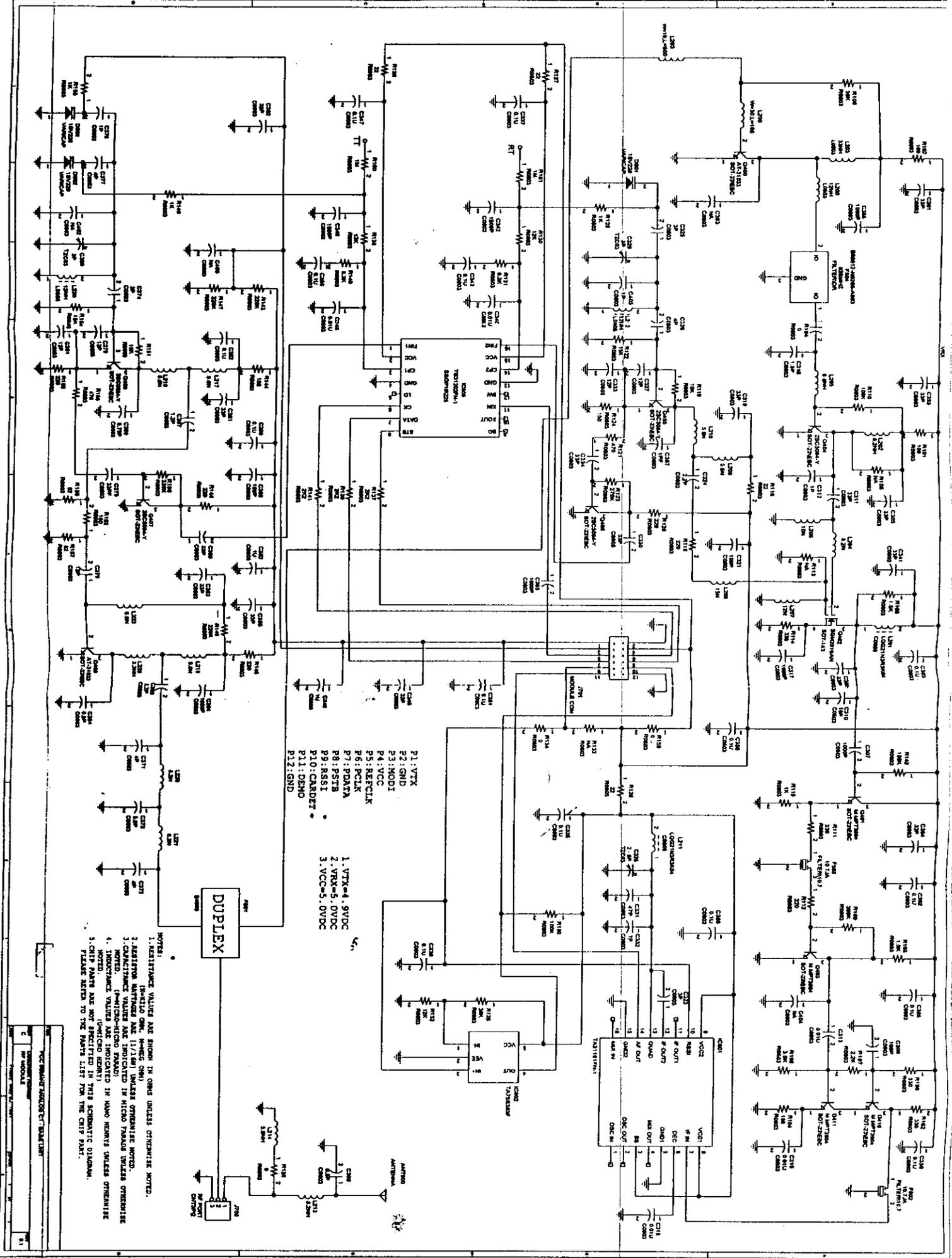
DUPLX

NO.	DESCRIPTION	QUANTITY	REVISION
1	TA1151FN-1	1	1
2	TA1151FN-1	1	1



APPROVED: _____
 CHECKED : _____
 PREPARED: _____

Designer and Business Electronics Co.
 FILING DATE: _____
 WORK NUMBER: 43-1110
 TITLE: HANDBET CONTROL AND AUDIO SCHEMATIC
 DRAWING NUMBER: 6138-0000
 DATE: SEPTEMBER 21, 1958

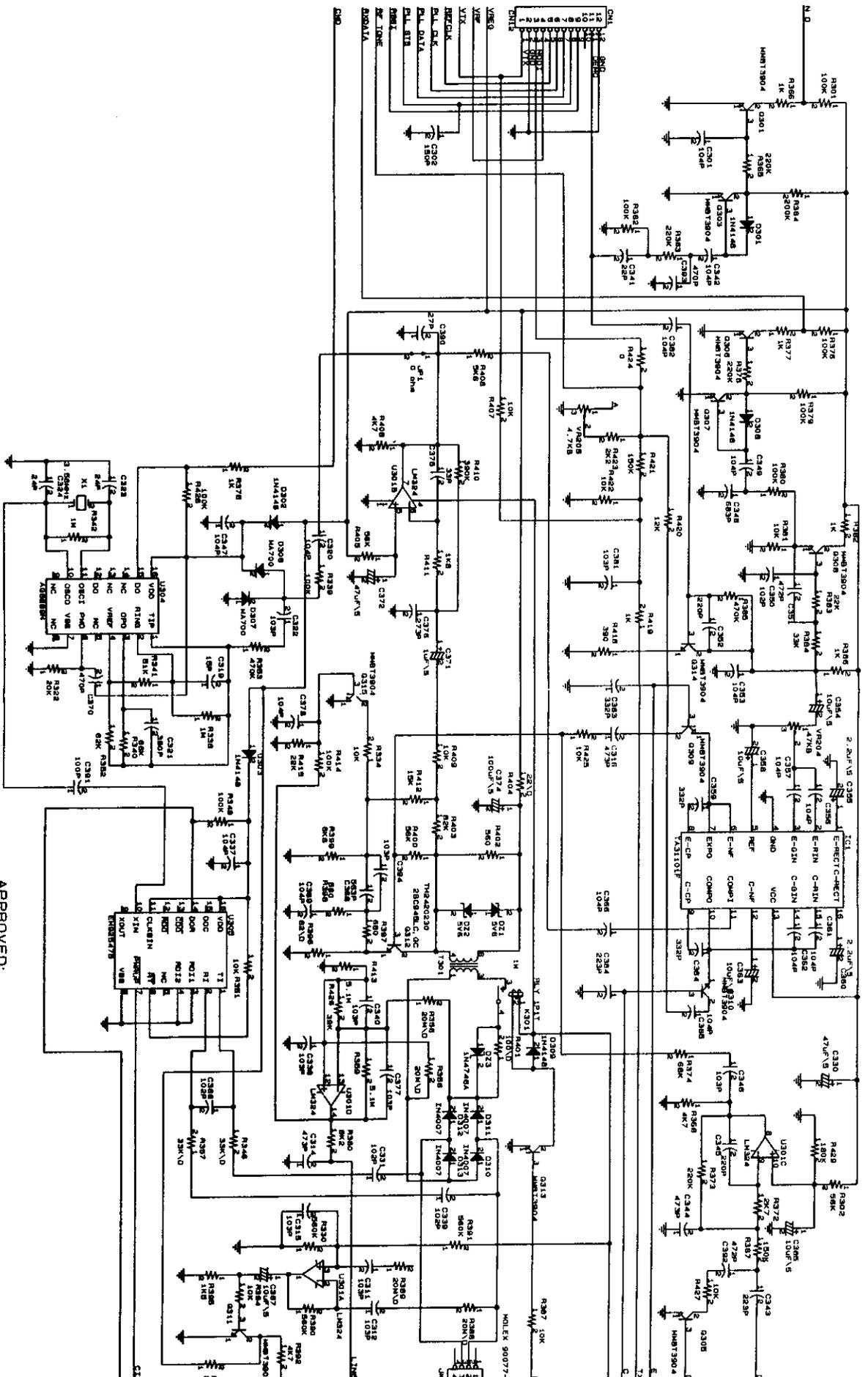


- P1: VTX
- P2: GND
- P3: MODI
- P4: VCC
- P5: REFCLK
- P6: PCLK
- P7: PDATA
- P8: SSTB
- P9: RSTI
- P10: CANDET
- P11: DENO
- P12: GND

- 1. VTX=4.9VDC
- 2. VTX=5.0VDC
- 3. VCC=5.0VDC

NOTES:
 1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED.
 2. ASSUMING TUNING AND (1/10) UNLESS OTHERWISE NOTED.
 3. CAPACITANCE VALUES ARE IN MICRO FARADS UNLESS OTHERWISE NOTED. (WHICH IS INDICATED BY THE PREFIX μ)
 4. IMPORTANCE VALUES ARE INDICATED IN BOLD LETTERS UNLESS OTHERWISE NOTED. (WHICH IS INDICATED BY THE PREFIX μ)
 5. CHIP PARTS ARE NOT SPECIFIED IN THIS SCHEMATIC DIAGRAM. PLACE NOTES TO THE PARTS LIST FOR THE CHIP PART.

DB-8132 BASE UNIT AUDIO & LINE INTERFACE SCHEMATIC



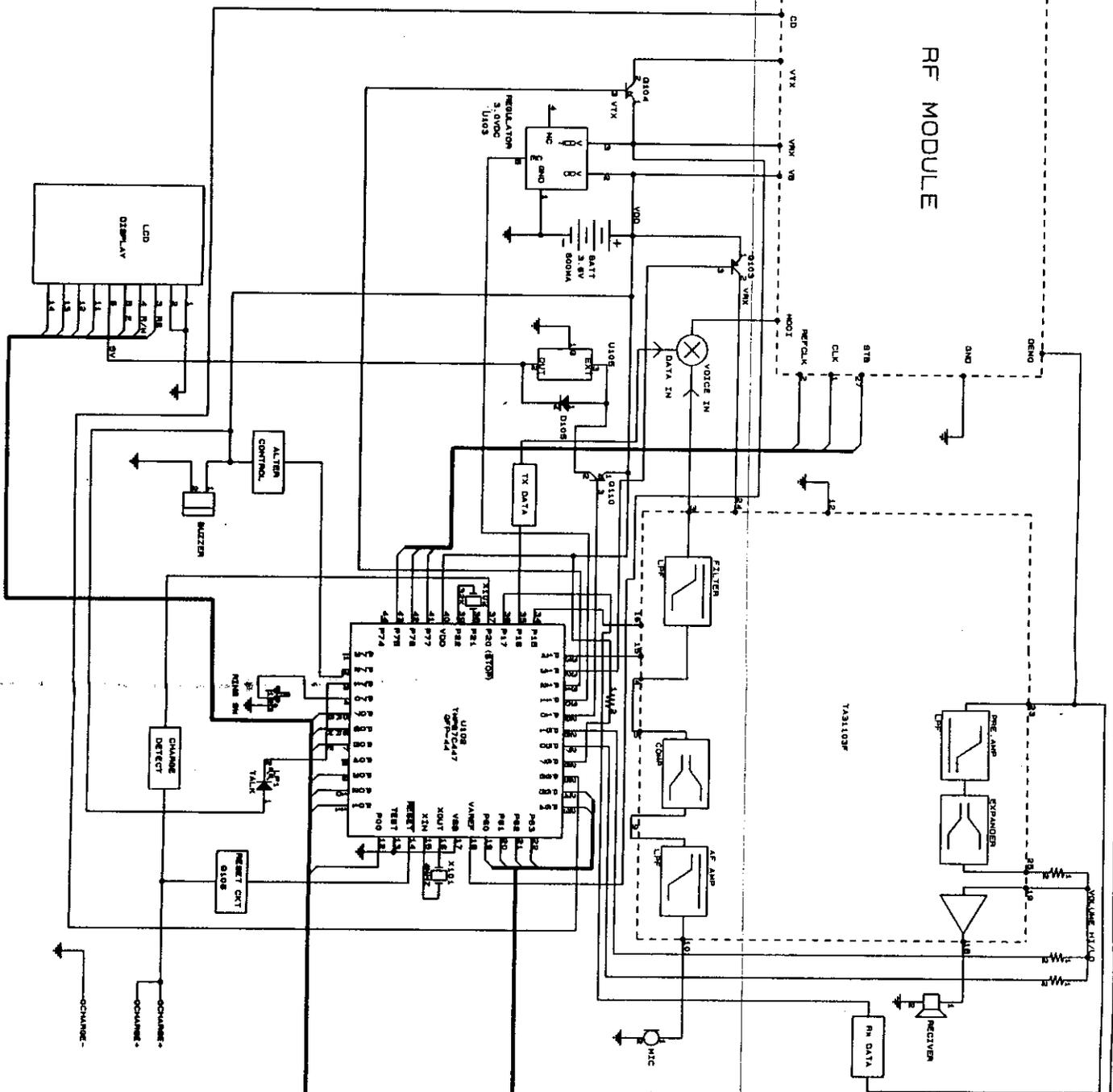
APPROVED: _____
 CHECKED: _____
 PREPARED: _____

Oster and Business Electronics Co.
 FILING DATE: 10-26-66
 MODEL NUMBER: DB-8110
 DRAWING NUMBER: DB-8132-0000
 BASE UNIT LINE INTERFACE
 DRAWING NUMBER: DB-8132-0000

EXHIBIT E

Block Diagram

RF MODULE



MPU PIN ASSIGNMENT

1	17 GND	33 E-MUTE
2	BUZ	34 C-MUTE
3	TR-LED	35 TX-DATA
4	RTM-8M	36 RX-DATA
5	LCD-8M	37 CHG-DET
6	LCD-PM	38 XTIN
7	LCD-E	39 XTOUT
8	"	40 VDD
9	COL-4	41 PLL-CLK
10	COL-3	42 PLL-DATA
11	COL-2	43 PLL-818
12	COL-1	44 "
13	TEST	
14	RESET	
15	XIN	
16	XOUT	
17	VAREF	
18	COL-1	
19	COL-2	
20	COL-3	
21	COL-4	
22	COL-5	
23	COL-6	
24	COL-8	
25	COL-1	
26	BATT-DET	
27	VOLUME-1	
28	VOLUME-2	
29	LCD-PM	
30	VAP	
31	VTX	
32	VHT	

KEY PAD			
TALK	PL-AM	2	CALL-UP
MENU	RECALL	5	CALL-DN
CHW	HOLD	6	SETUP
VOLUME	CALLER	9	DELETE

Dist. and Business Electronics Co. L. I.
 Title: HANDSET BLOCK DIAGRAM
 Part Number: 08-818
 Date: 08-818

