

MODEL:39285 BLOCK DIAGRAM DESCRIPTION

BASE:

- (1) TRANSMISSION CIRCUIT
RING DETECTION :
THE RING SIGNAL FROM THE LINE TO CPU VIA IC LM 324.
FSK COUPLING CIRCUIT:
THE FSK SIGNAL FROM THE LINE TO CPU VIA 2 CERAMIC CAPACITOR.
COMMUNICATION CIRCUIT:
THE COMMUNICATION SIGNAL FROM THE LINE TO CPU VIA THE TRANSFORMER ..
ALL SIGNAL ARE SENT FROM CPU TO ANT VIA IC AN8953FA, TX POWER AMPLIFIER,
AND DUPLEXER.
- (2) RECEIVING CIRCUIT
THE ANT PICK UP THE SIGNAL AND SEND THEM TO LINE VIA DUPLEXER, RFI
AMPLIFIER & MIXER, 10.7MHz FILTER, IC AN8953FA, IC LM324 AND TRANSFORMER .
- (3) THE ANT IS MADE BY 26 TWISTED COPPER WIRES, THE DIAMETER OF THE COPPER
WIRE IS 0.15mm.
- (4) MCU (EM78911)
MCU PROVIDES RING DETECTION, FSK DECODING , CORDLESS PHONE CONTROLLER
- (5) CRYSTAL 32.768 KHz PROVIDES THE CLOCK FOR CPU
CRYSTAL 4.0MHz PROVIDES THE CLOCK FOR AN8953FA.

HANDSET:

- (1) TRANSMISSION CIRCUIT
COMMUNICATION:
THE MICROPHONE PICK UP THE VOICE SIGNAL AND SEND THEM TO ANT VIA IC
AN8953FA, TX POWER AMPLIFIER AND DUPLEXER.
DTMF/DATA:
THE KEYBOARD IS CONSISTED OF 21 KEYS, DTMF & THE DATA ARE CONTROLLED BY
THE CORRESPONDING KEY WHICH CONNECT TO CPU. THE CPU SEND THE SIGNAL TO
ANT VIA IC AN8953FA, TX POWER AMPLIFIER AND DUPLEXER.
- (2) RECEIVING CIRCUIT
CALLER ID SIGNAL:
ANT PICK UP THE SIGNAL AND SEND THEM TO CPU VIA RFI AMPLIFIER & MIXER,
10.7MHz FILTER AND IC AN8953FA, THEN THE CPU DRIVE THE LCD DISPLAY BASE ON
THE DATA RECEIVED.
COMMUNICATION:
ANT PICK UP THE SIGNAL AND SEND THEM TO RECEIVER VIA DUPLEXER, RFI
AMPLIFIER & MIXER, 10.7MHz FILTER, AND IC AN8953FA
- (3) THE ANT IS MADE BY A SCREWED, NICKEL COPPER WIRE, THE DIAMETER OF THE
COPPER WIRE IS 1.0mm, THE DIAMETER OF SCREW IS 4.8mm.
- (4) MCU PROVIDES LCD DRIVER, KEY BOARD SCANNING, DIALER & CORDLESS PHONE
CONTROLLER .
- (5) CRYSTAL 32.768KHz PROVIDES THE CLOCK FOR CPU.
CRYSTAL 4.0MHz PROVIDES THE CLOCK FOR AN8953FA.

Testing Mode Descriptions of 39285

1. 40 Channels Freq Table in Test Mode

	Tx	Local Osc.	Tx	Local Osc.
20	903.60	937.40	926.70	892.90
39	904.55	938.35	927.65	893.85
0	902.60	936.40	925.70	891.90
1	902.65	936.45	925.75	891.95
2	902.70	936.50	925.80	892.00
3	902.75	936.55	925.85	892.05
4	902.80	936.60	925.90	892.10
5	902.85	936.65	925.95	892.15
6	902.90	936.70	926.00	892.20
7	902.95	936.75	926.05	892.25
8	903.00	936.80	926.10	892.30
9	903.05	936.85	926.15	892.35
10	903.10	936.90	926.20	892.40
11	903.15	936.95	926.25	892.45
12	903.20	937.00	926.30	892.50
13	903.25	937.05	926.35	892.55
14	903.30	937.10	926.40	892.60
15	903.35	937.15	926.45	892.65
16	903.40	937.20	926.50	892.70
17	903.45	937.25	926.55	892.75
18	903.50	937.30	926.60	892.80
19	903.55	937.35	926.65	892.85
20	903.60	937.40	926.70	892.90
21	903.65	937.45	926.75	892.95
22	903.70	937.50	926.80	893.00
23	903.75	937.55	926.85	893.05
24	903.80	937.60	926.90	893.10
25	903.85	937.65	926.95	893.15
26	903.90	937.70	927.00	893.20
27	903.95	937.75	927.05	893.25
28	904.00	937.80	927.10	893.30
29	904.05	937.85	927.15	893.35
30	904.10	937.90	927.20	893.40
31	904.15	937.95	927.25	893.45
32	904.20	938.00	927.30	893.50
33	904.25	938.05	927.35	893.55
34	904.30	938.10	927.40	893.60
35	904.35	938.15	927.45	893.65
36	904.40	938.20	927.50	893.70
37	904.45	938.25	927.55	893.75
38	904.50	938.30	927.60	893.80
39	904.55	938.35	927.65	893.85
0	902.60	936.40	925.70	891.90
1	902.65	936.45	925.75	891.95

38	904.50	938.30	927.60	893.80
39	904.55	938.35	927.65	893.85
0	902.60	936.40	925.70	891.90