

MULTI-FUNCTION MICROPHONE WITH DTMF

MC-52DM/MC-53DM

SERVICE MANUAL

KENWOOD

© 1995-12 PRINTED IN JAPAN
B51-8313-00 (B) 1033



MC-52DM



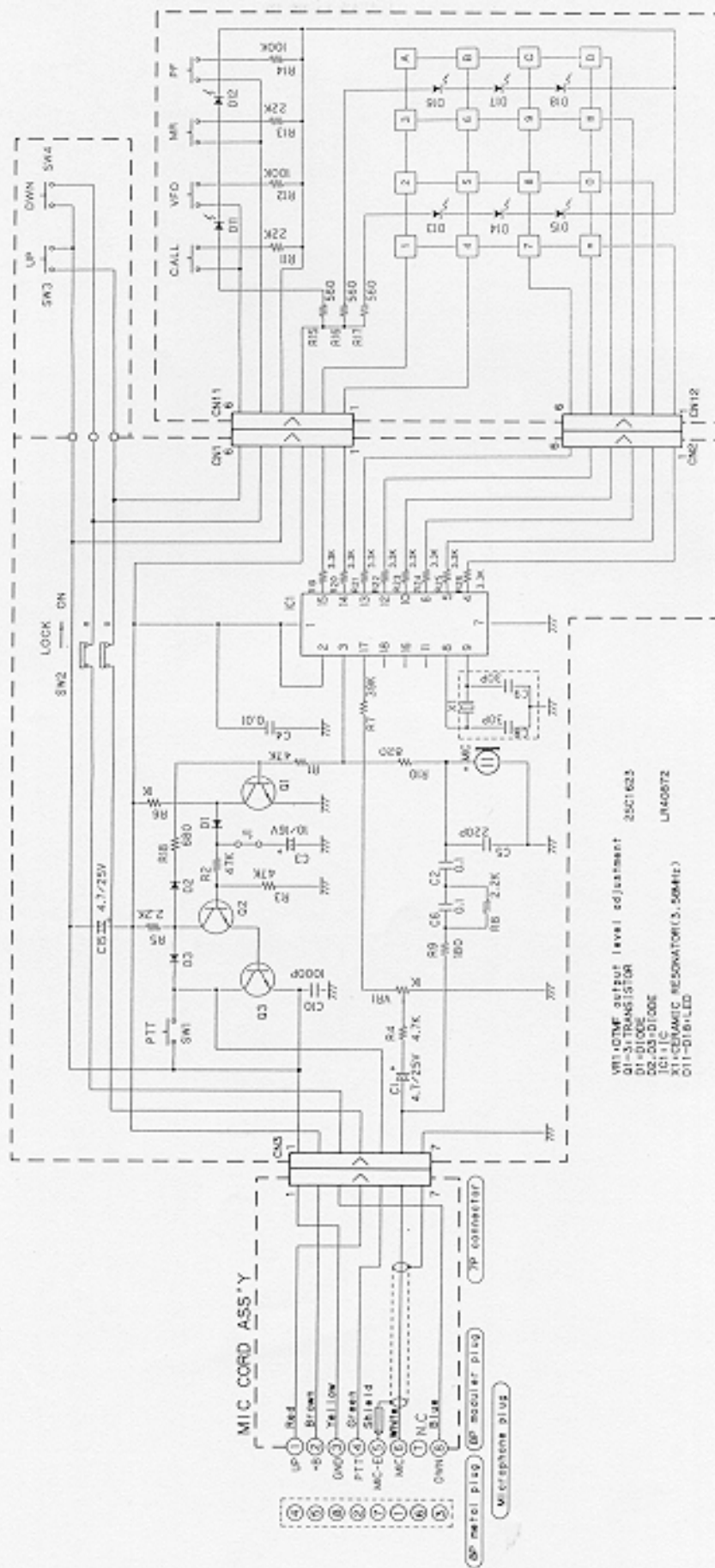
MC-53DM

SPECIFICATIONS

Type	Electret capacitor
Power requirement	8.0 V DC \pm 10%
Current drain	35 mA or less
Dimensions (WxHxD)	65 x 90 x 30 mm 2 9/16 x 3 17/32 x 1 3/16 in
Weight	Approx. 180 g/ 6.3 oz
Sensitivity	-70 \pm 3 dB (at 1 kHz) (0 dB = 1 V/ μ bar)

MC-52DM/MC-53DM

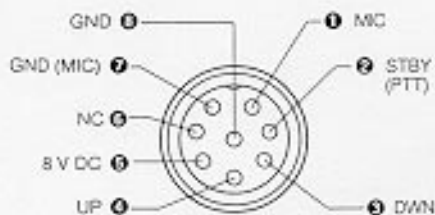
SCHEMATIC DIAGRAM



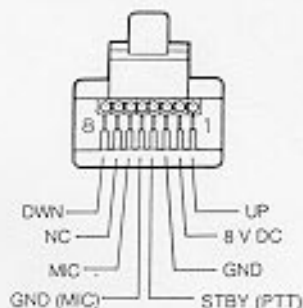
MC-52DM/MC-53DM

CONNECTOR END VIEW

MC-52DM
METAL plug (8P)



MC-53DM
Modular plug (8P)



ADJUSTMENT

Item	Condition	Test equipment/Measurement	Adjustment	Specifications/Remarks
DTMF output level	[3] [6] key at same time push	<p>MC-52DM</p> <p>The diagram shows a test setup for the MC-52DM. A B (8V) source is connected to pin 5. An AF VTVM is connected to pins 1 and 2. A 5.6kΩ resistor is connected between pins 1 and 2. A 0.01μF capacitor is connected between pins 1 and 2. A 5.6kΩ resistor is connected between pins 1 and 2. A 0.01μF capacitor is connected between pins 1 and 2.</p>	VR1	2.4mV ±0.01mV
		<p>MC-53DM</p> <p>The diagram shows a test setup for the MC-53DM. A B (8V) source is connected to pin 2. An AF VTVM is connected to pins 1 and 2. A 5.6kΩ resistor is connected between pins 1 and 2. A 0.01μF capacitor is connected between pins 1 and 2. A 5.6kΩ resistor is connected between pins 1 and 2. A 0.01μF capacitor is connected between pins 1 and 2.</p>		

MC-52DM/MC-53DM

PARTS LIST

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
		*	A02-1982-08	CASE (FRONT)		
		*	A02-1983-08	CASE (REAR)		
		*	E30-3243-08	MICROPHONE CORD ASSY (METAL)		52DM
		*	E30-3240-08	MICROPHONE CORD ASSY (MODULER)		53DM
		*	K29-5101-08	KNOB (PTT)		
		*	K29-5102-08	KNOB (UP, DWN)		
		*	K29-5103-08	KEY TOP (20KEY)		
		*	K29-5104-08	KNOB (LOCK)		
SW3,4	-		S40-1117-05	TACT SWITCH (UP, DWN)		
SW2	-	*	S62-0441-08	SLIDE SWITCH (LOCK)		
SW1	-	*	S70-0450-08	TACT SWITCH (PTT)		
		*	T91-0570-08	MICROPHONE ELEMENT		
IC1			LR40872	IC		
Q1-3			2SC1623	TRANSISTOR		