DESCRIPTION

UHF HANDHELD AUDIO SECTION

DRWG. NO. 90-8689H-11

SHEET NO. 1 OF 3

ORIG. ISSUED

ISSUE	RECORD OF CHANGES MADE
1	Released For Production 3/6/96
2	ECO# 80881 Change Componenet Values On Sheet 2 R256, L207, C270, & C225 MAK 5/2/96
3	ECO# 80894,80924 CHANGE IN RF 187A02 TO 187A07; 187A03 TO 187A10 ECO# 80965: JAPAN COMPONENT CHANGES R259,R287,R288,C284,C285 ECO# 80973: CHANGE FROM 34A8521D TO 34A8521E, ADD R293,R294,R295,R296 ADD D203,D204 FOR LIMITING;ADD R292 ADD C286; R286 TO 1K ECO# 80982: UK VALUES; RF AMP CHANGE Q203 WAS 183812, ADD R297 TO SOURCE R248 WAS 40.2K, C225 WAS 3900pF TABLE FOR MODEL VARIATIONS ADDED TO RF SCHEMATIC KJM 10/1/96
4	ECO# 81043: CHANGED R296 & r295 TO IMPROVE DEVIATION ADJUSTMENT ECO# 81077: CHANGED R292 TO IMPROVE SYNTHESIZER START UP ECO# 81124: CHANGED R295 IN 90D8689 ECO# 81133: CHANGED R256 & R257 TO INCREASE OUTPUT POWER AND MATCH VCO KJM 5/12/97
5	ECO# 81204 & 81205 Changed R101 & R111 from 1M Changed C105 from .033 Added C296 to VCO tuning voltage KJM 9/11/97
6	ECO# 81286: R256 was 49.9, (JB only) R257 was 49.9 (JB only) ECO# 81296: C257 was .01 (X7R) KJM 2/26/98
7	ECO# 81326: Change R256, R257 R297 to reduce variation in power KJM 11/17/98
8	ECO# 81508: Added 90E8689 to table KJM 12/31/98

ORIG. USED IN

SHURE BROTHERS INC.
222 HARTREY AVE.
EVANSTON, IL 60202
PHONE 847-866-2200
Microphones – Electronic Components

DRAWN S. GRAD 5/7/96

CHECKED SMG 5/30/96

APPROVED K. MIKES 6/5/96

APPROVED

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20dB USER ADJUSTABLE GAIN

GROUNDING SCHEME:

AUDGND => AUDIO GND
GNDSP => DIGITAL AND POWER SUPPLY GND
RFGND => RF GROUND

NOTES:

1. All resistors 1/10 Watt, 1%, 0805 unless otherwise specified.
2. The following symbols denote:
 - 15mV — A.C. Voltage — P.C. ground
 - 15mV — D.C. Voltage — Case ground
3. Electrolytic capacitors shown in uF x Volts. All non-polar capacitors in uF, tolerance 10% and 50V or more unless otherwise specified.

* For Japan: R259=4.99K

* COMPONENT VARIATIONS BY MODEL (SEE TABLE SHEET 2)

C284,C285 USED IN 90B8689 & 90C8689

DIG_BOARD

TEST_POINTS

RF_BOARD

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