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

NOTICE

This drawing is the property of Shure Brothers Incorporated and is disclosed to you in strict confidence and with the understanding that it is not to be reproduced, copied, or used except for the purpose of producing tools or products exclusively for Shure Brothers Incorporated. Copies of this drawing are to be made only when necessary for the purpose stated above and all copies must contain this Notice. This drawing and all copies must be returned on request.

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

DRWG. NO. 90-8689H-11