DESCRIPTION: UC2 UHF TRANSMITTER RF BOARD SCHEMATIC

PCB#: 34-8579G

DRWG. NO. 90-8763N-11

SHEET NO. 1 OF 2 SHEETS

ORIG. ISSUED

ISSUE	RECORD OF CHANGES MADE
1	Released for production 4/8/98 PCB = G, Sch. = UC2AR.SCH
2	ECO 81327, 81340 U303 WAS 188D238C
3	ECO 81362 ADDED ETSI PARTS FOR JA AND JB
4	ECO 33477 REMOVED ETSI PARTS FOR JB RAISED LIMITER THRESHOLD FOR JA COMBINED MC AND MB INTO GROUP B PCB PCB = G, Sch. = UC2AS.SCH KJM 8/5/98
5	ECO 81464: C323 was 4.7pF ECO 81478: Q202 was 183A07 KJM 10/20/98
6	ECO 81555: Added UB to table KJM
7	ECO 81562: Changed values for R3 R6 & R8 for Group B and E, KJM PCB's, Sch. 90-8763N-11. 3/11/99

Digital Circuitry

RF Pre Amp

RF Power Amp

Voltage Controlled Oscillator

Phase Locked Loop

BATTERY TERMINALS

mole

GROUP / COUNTRY CODE DESIGNATORS

TABLE 1 RF & AUDIO GROUP DESIGNATORS — GROUP DEPENDENT # PARTS

PCB ASSEMBLY NUMBER	COUNTRY CODE	FREQUENCY RANGE MHz	COUNTRY DESIGNATION	R19 ohms	R20 ohms	R21 ohms	R22 ohms	R26 ohms	R27 ohms	R28 ohms	R29 ohms	R30 ohms	R31 ohms	R32 ohms	R33 ohms	R34 ohms	R35 ohms	R36 ohms	R37 ohms	C505 pF	C506 pF	C507 pF	C509 pF	R40 kOhms	R333 Ohms 0805	J2	R42 Ohms 0603	L301	L302	R323 Ohms	C330 pF	C345 pF
90A8763	UA	782-806	US & CANADA	1.0K	not used	not used	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	not used	not used	not used	not used	4.7	4.7	4.7	1.0	not used	100	not used	not used	155A11	155B11	not used	not used	27
90B8763	MB,MC,MD	776-782	NETHERLANDS	not used	1.0K	not used	not used	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	not used	not used	not used	4.7	4.7	4.7	1.0	not used	100	not used	not used	155A11	155B11	not used	not used	27
90C8763	JA	797-806	JAPAN	not used	not used	1.0K	not used	not used	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	not used	not used	4.7	4.7	4.7	1.0	169kHz 1%	249	95e8278	100	155B11	155A11	10	not used	4.7
90D8763	JB	806-810	JAPAN	not used	not used	not used	1.0K	not used	not used	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	not used	4.7	4.7	4.7	1.0	169kHz 1%	249	95e8278	100	155A11	155B11	10	not used	4.7
90E8763	KK	838-862	ENGLAND	not used	not used	not used	not used	1.0K	not used	not used	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	3.9	2.2	3.9	not used	not used	100	not used	not used	155A11	155B11	not used	not used	27
90F8763	UB	692-716	US & CANADA	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	not used	not used	not used	1.0K	not used	not used	not used	4.7	6.8	6.8	2.2	not used	100	not used	not used	155A11	155B11	not used	not used	27
90G8763	--	--	undefined	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used
90H8763	--	--	undefined	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used	not used

TABLE 2
VCO TUNE UP FREQ, G&CH, TV, PER ASSEMBLY

PCB NUMBER	GROUP	CHANNEL	DC VOLTAGE	TUNE UP FREQUENCY	COUNTRY CODE	COUNTRY
90A8763	4	0	3.7 V	805.500 MHz	UA	UNITED STATES
90B8763	1	2	2.2 V	805.500 MHz 778.000 MHz	MB MC	EUROPE NETHERLANDS
90C8763	0	2	3.7 V	805.500 MHz	JA	JAPAN A GRP
90D8763	4	2	3.8 V	807.500 MHz	JB	JAPAN B GRP
90E8763	5	5	2.9 V	857.125 MHz	KK	ENGLAND

* TABLE 3, RF DO NOT PLACE PARTS FOR EXPERIMENT ONLY

C31
C328
C337
C346
C348

NOTES:

1. All resistors 1/16 Watt, 1%, 0603 unless otherwise specified.
2. Electrolytic capacitors shown in uF x Volts. All non-polar capacitors in uF and 50V or more unless otherwise specified.
4. The following symbols denote:

A.C. Voltage — P.C. ground

D.C. Voltage — Case ground

NOTE: X,Y SCALE CORRESPONDES TO THE X,Y COORDINATES IN SCHEMATIC CAPTURE.

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