

PARTS LIST

AMWUT894

REF No	DESCRIPTION	SPEC	MAKER
X401	CRYSTAL	QX-799 10.1MHZ	UECC
D204	DIODE	1SS226 TE85L	TOSHIBA
D101	DIODE	1SS390 TE61	ROHM
D102	DIODE	1SS390 TE61	ROHM
D151	DIODE	1SS390 TE61	ROHM
D405	DIODE	1SS390 TE61	ROHM
D201	DIODE	1SS400 TE61	ROHM
D403	DIODE	1SS400 TE61	ROHM
D302	DIODE	GD LL4148	GOOD-ARK
D303	DIODE	GD LL4148	GOOD-ARK
D304	DIODE	GD LL4148	GOOD-ARK
D401	DIODE	MA2SV0200L	MATSUSHITA
D404	DIODE	MA2SV0200L	MATSUSHITA
D305	DIODE:LED	LTST-S320GKT	LITEON
D306	DIODE:LED	LTST-S320GKT	LITEON
D402	DIODE:VARICAP	HVU307 TRU	HITACHI
FT401	FILTER	FL-1024 LTM450GW	CHEQUIRES
FT102	FILTER:CERAMIC	FL-1028 LT10.54MFP	JIAKANG
IC801	IC CHIP	DY0004	FUJITSU
IC401	INTEGRATED CIRCUIT	AN6311NFA-V	MATSUSHITA
IC304	INTEGRATED CIRCUIT	AT24CO2N-10SI-1.8	ATMEL
IC302	INTEGRATED CIRCUIT	NJM2870F03(TE1)	JRC
IC101	INTEGRATED CIRCUIT	NJM2904M (TE3)	JRC
IC201	INTEGRATED CIRCUIT	NJM2904M (TE3)	JRC
IC202	INTEGRATED CIRCUIT	NJM2904M (TE3)	JRC
IC371	INTEGRATED CIRCUIT	NJM2904M (TE3)	JRC
IC102	INTEGRATED CIRCUIT	NJM386M TE3	JRC
IC303	INTEGRATED CIRCUIT	XC61CC2202MR/XC61AC2202MR	TOREX
MC101	MICROPHONE	MK-536 F9745AP442	INOVAION
Q104	TRANSISTOR	DB-090 2SA1365-T12-F T1	MITSUBISHI
Q301	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q302	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q405	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q406	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q407	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q408	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q409	TRANSISTOR	DB-092 2SA1235A-T12-1F	MITSUBISHI
Q201	TRANSISTOR	DB-1074 DRF1401	AUK
Q101	TRANSISTOR	DB-1075 55GN01M-TL	SANYO
Q202	TRANSISTOR	DB-1075 55GN01M-TL	SANYO
Q203	TRANSISTOR	DB-1075 55GN01M-TL	SANYO
Q402	TRANSISTOR	DB-1075 55GN01M-TL	SANYO
Q410	TRANSISTOR	DB-1075 55GN01M-TL	SANYO
Q102	TRANSISTOR	DB-848 2SC5065-Y(TE85R)	TOSHIBA
Q151	TRANSISTOR	DB-848 2SC5065-Y(TE85R)	TOSHIBA
Q411	TRANSISTOR	DB-849 2SC5383-T11-1E	MITSUBISHI
Q412	TRANSISTOR	DB-849 2SC5383-T11-1E	MITSUBISHI
Q103	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q205	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q304	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q305	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q306	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q403	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q413	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q414	TRANSISTOR	DB-862 2SC3052-T12-1F	MITSUBISHI
Q401	TRANSISTOR	DB-866 2SC5635-T22-1U	MITSUBISHI

ALIGNMENT PROCEDURE FOR MODEL TR640-2(UT894AH)

TRANSMITTER

STEP	MODE	CHANNEL	FREQUENCY	CONDITION	ADJUST	METHOD
1	TX	1	462.5625MHz	RF POWER METER TO ANTENNA PATTERN (HOT AND GND) OF THE PCB .	-	CHECK THE RF OUTPUT POWER "LESS THAN 0.5W ".
2	TX	1	462.5625MHz	FM LINEAR DETECTOR TO ANTENNA PATTERN(HOT AND GND) OF THE PCB. MODULATION : 1KHz 60mVrms TO MIC INPUT FILTER : HPF OFF / LPF 15KHz DE-EMPHASIS OFF	RT201	ADJUST RT103 TO OBTAIN ± 1.9 KHz DEVIATION.

RECEIVER

STEP	MODE	CHANNEL	FREQUENCY	CONDITION	ADJUST	METHOD
1	RX	1	462.5625MHz	DC VOLT METER TO "TP2" RF SIGNAL GENERATOER TO ANTENNA PATTERN(HOT AND GND). SG LEVEL : 1mV NO MODULATION.	L109	ADJUST L109 TO DC 1.6V AT TP2
2	RX	1	462.5625MHz	RF SIGNAL GENERATOER TO ANTENNA PATTERN(HOT AND GND). SINAD METER TO SPEAKER OUT WITH 16 Ω DUMMY LOAD. SG LEVEL : SET TO SG LEVEL AT SINAD 10dB LEVEL. MODULATION : 1KHz	RT402	ADJUST SLOWLY UNTIL AUDIO OUTPUT FROM SPEAKER (SQUELCH ADJUST)