

X53-3880 CONTROL UNIT TKR-740,840

D1	DA204U	DIODE	DC CUT
D3	DA204U	DIODE	DC CUT
D4	DA204U	DIODE	DC CUT
D5	DA204U	DIODE	DC CUT
D6	DA204U	DIODE	DC CUT
D7	DA204U	DIODE	DC CUT
D8	DA204U	DIODE	DC CUT
D9	DA204U	DIODE	DC CUT
D10	DA204U	DIODE	DC CUT
D11	DA204U	DIODE	DC CUT
D12	DA204U	DIODE	DC CUT
D13	DA204U	DIODE	DC CUT
D14	DA204U	DIODE	DC CUT
D15	DA204U	DIODE	DC CUT
D16	DA204U	DIODE	DC CUT
D17	DA204U	DIODE	DC CUT
D18	DA204U	DIODE	DC CUT
D19	DA204U	DIODE	DC CUT
D20	DA204U	DIODE	DC CUT
D21	DA204U	DIODE	DC CUT
D22	DA204U	DIODE	DC CUT
D24	DA204U	DIODE	DC CUT
D25	DA204U	DIODE	DC CUT
D26	DA204U	DIODE	DC CUT
D27	DA204U	DIODE	DC CUT
D28	DA204U	DIODE	DC CUT
D30	DA204U	DIODE	DC CUT
D31	DA204U	DIODE	DC CUT
D32	DA204U	DIODE	DC CUT
D34	DA204U	DIODE	DC CUT
D35	DA204U	DIODE	DC CUT
D36	DA204U	DIODE	DC CUT
D37	DA204U	DIODE	DC CUT
D38	DA204U	DIODE	DC CUT
D39	DA204U	DIODE	DC CUT
D70	0LA301DB	LED ASS'Y	DI SPLAY 7 SEGMENT
D70	1LA301DB	LED ASS'Y	DI SPLAY 7 SEGMENT
D70	2B30-0864-0	5 LED	DI SPLAY
D70	3B30-2198-0	5 LED	DI SPLAY
D70	4B30-2197-0	5 LED	DI SPLAY
D70	5B30-2198-0	5 LED	DI SPLAY
D70	6DA204U	DIODE	DC CUT
D70	7HSM88AS	DIODE	AG C DETECT
D70	8DA204U	DIODE	DC CUT
D70	9HSM88AS	DIODE	AG C DETECT
D71	0MINISMDC07	5-02 VARISTOR	CU RRENT PROTECT
D71	1DA204U	DIODE	DC CUT
D71	2DA204U	DIODE	DC CUT
IC1	TC7S66FU	IC	AN ALOG SWITCH
IC3	NJM78L05UA	IC	AV R
IC4	TA7805F	IC	AV R
IC5	NJM78L08UA	IC	AV R
IC6	TA7805F	IC	AV R
IC7	AT29C020-9	0TI IC	FL ASH

FCC ID:ALH30633110
 FCC ID:ALH30633120
 FCC ID:ALH30633130
 FCC ID:ALH30643110
 FCC ID:ALH30643120
 FCC ID:ALH30643130

IC10 RH5VL42C	IC	RE SET IC
IC12 NJM4558E	IC	AF AMP
IC13 NJM4558E	IC	AF AMP
IC14 BU4053BCF	IC	AN ALOG SWITCH
IC15 TC74VHC245	FT IC	BU S TRANSCEIVER
IC16 TC74VHC245	FT IC	BU S TRANSCEIVER
IC17 30622M4-10	3GP MPU	CP U/LCD DRIVER
IC18 30622M4-10	3GP MPU	CP U/LCD DRIVER
IC22 NJM4558E	IC	AF AMP-
IC23 NJM4558E	IC	AF AMP
IC24 TC74HC4040	AF IC	CO UNTER
IC25 TC7S04F	IC	IN VERTER
IC27 PCM3000E	IC	CO DEG
IC29 BU4053BCF	IC	AN ALOG SWITCH
IC30 ADSP2185BS	T133 IC	DS P
IC31 NJM4558E	IC	AF AMP
IC32 NJM4558E	IC	AF AMP
IC33 M62364FP	IC	D/ A CONVERTER(ADJUSTMENT)
IC34 NJM4558E	IC	AF AMP
IC35 TC7S32FU	IC	OR GATE
IC36 NJM4558E	IC	AF AMP
IC37 BU4053BCF	IC	AN ALOG SWITCH
IC38 TC7S00FU	IC	NA ND GATE
IC39 BU4094BCFV	IC	SH IFT REGISTOR
IC40 NJM4558E	IC	AF AMP
IC42 ADM232LAR	IC	DC #NAME?
IC46 TC7S32FU	IC	OR GATE
IC47 TC7S32FU	IC	OR GATE
IC48 TC7S32FU	IC	OR GATE
IC49 TC7S32FU	IC	OR GATE
IC70 0BU2114F	IC	SH IFT REGISTOR
IC70 1BU2114F	IC	SH IFT REGISTOR
IC70 2BU2114F	IC	SH IFT REGISTOR
IC70 3BU2114F	IC	SH IFT REGISTOR
IC70 4NJM78L05UA	IC	AV R
IC70 5TA78L05F	IC	AV R
IC70 6NJM78L05UA	IC	AV R
Q1 2SK1824	FET	BE AT SHIFT SWITCH
Q5 2SK1824	FET	BE AT SHIFT SWITCH
Q8 DTC144EUA	TRANSISTOR	IN VERTER
Q9 DTC114EUA	TRANSISTOR	IN VERTER
Q10 DTC144EUA	TRANSISTOR	IN VERTER
Q11 DTC363EK	TRANSISTOR	AU DIO MUTE
Q70 02SA1586(Y,	GR) TRANSISTOR	AG C AMP
Q70 12SC4116(Y)	TRANSISTOR	AG C AMP
Q70 6DTA114EUA	TRANSISTOR	DC SWITCH
Q70 7DTC144EUA	TRANSISTOR	DC SWITCH
Q70 8DTA114EUA	TRANSISTOR	DC SWITCH
Q70 9DTC144EUA	TRANSISTOR	DC SWITCH
Q71 0DTC144EUA	TRANSISTOR	DC SWITCH

X56-3050-10SK

TX UNIT TKR-840

D1	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D2	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D3	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D4	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D5	1SV283	VARIABLE CAPACITANCE DIODE	MODULATION
D6	1SV283	VARIABLE CAPACITANCE DIODE	MODULATION
D7	1SV128	DIODE	RF SW
D8	DA204U	DIODE	CUEERNT STEERING
D11	1SS355	DIODE	CUEERNT STEERING
D12	1SS355	DIODE	CUEERNT STEERING
D50	B30-2130-05	LED	DISPLAY
D51	B30-2130-05	LED	DISPLAY
D52	B30-2048-05	LED	DISPLAY
D101	1SV128	DIODE	RF SW
D103	1SV128	DIODE	RF SW
D201	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D202	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D203	1SV283	VARIABLE CAPACITANCE DIODE	MODULATION
D205	HSM88AS	DIODE	RF DET
D206	MINISMDC075-02	VARISTOR	CURRENT PROTECT
D207	1SS355	DIODE	CUEERNT STEERING
D303	ERZ-M14DK220M	SURGE AB SORBER	CURRENT PROTECT
D304	1SS355	DIODE	CURRENT STEERING
D305	DSM3MA1	DIODE	REVERSE VOLTAGE OROTECT
D306	HSM88AS	DIODE	RF DET
D307	HSM88AS	DIODE	RF DET
D308	HSM88AS	DIODE	RF DET
D310	MINISMDC075-02	VARISTOR	CURRENT PROTECT
D312	02CZ12(X,Y)	ZENER DI ODE	VOLTEGE REF.
D317	1SS355	DIODE	CURRENT STEERING
D318	1SS355	DIODE	CURRENT STEERING
D500	MINISMDE190	VARISTOR	CURRENT PROTECT
IC1	TA7808S	IC	AVR
IC2	NJM78L08UA	IC	AVR
IC3	M62364FP	IC	ELECTRIC VOLUME
IC4	BU4094BCFV	IC	SHIFT REGSTOR
IC5	TC74HC14AF	IC	INVERTOR
IC100	TA75S01F	IC	AVR
IC101	SA7025DK	IC	PLL
IC102	TA75S01F	IC	AVR
IC103	NJM78L05UA	IC	AVR
IC105	NJM4558E	IC	OP AMP
IC106	AT2408N10SI2.5	IC	EEPROM
IC107	NJM4558E	IC	OP AMP
IC108	NJM78L08UA	IC	OP AMP
IC109	NJM2904E	IC	OP AMP
IC110	NJM78L05UA	IC	AVR
IC200	TC4S81F	IC	OP AMP
IC201	SA7025DK	IC	PLL
IC202	AD9835BRU	MOS IC	DDS
IC203	NJM2904E	IC	OP AMP
IC204	NJM2903M	IC	COMPARATOR
IC205	NJM78L05UA	IC	AVR
IC301	M68732LA	IC	POWER MODULE

IC302 OP291GS	IC	OP AMP
IC303 OP291GS	IC	OP AMP
IC304 TC4W66F	IC	MULTIPLEXER
Q1 2SK508(K52)	FET	OSC
Q2 2SK508(K52)	FET	OSC
Q3 2SC3722K(S)	TRANSIST OR	DC SW
Q4 2SC3722K(S)	TRANSIST OR	DC SW
Q5 2SK1824	FET	DC SW
Q6 2SC4226(R24)	TRANSIST OR	RF AMP
Q7 2SC3722K(S)	TRANSIST OR	RIPPLE FILTER
Q8 DTC114EUA	TRANSIST OR	DC SW
Q9 2SC4226(R24)	TRANSIST OR	RF AMP
Q11 2SB1386(R)	TRANSIST OR	DC SW
Q12 DTC114EUA	TRANSIST OR	DC SW
Q13 2SC4093(R27)	TRANSIST OR	RF AMP
Q14 2SC3357	TRANSIST OR	RF AMP
Q15 2SK302(Y)	FET	BUFF
Q17 2SK1824	FET	DC SW
Q18 2SK1824	FET	DC SW
Q21 UMC5	TRANSIST OR	DC SW
Q22 2SK1824	FET	DC SW
Q102 2SC4215(Y)	TRANSIST OR	BUFF
Q106 2SC4215(Y)	TRANSIST OR	RF AMP
Q107 2SC4226(R24)	TRANSIST OR	RF AMP
Q108 2SC4215(Y)	TRANSIST OR	RF AMP
Q109 2SC4215(Y)	TRANSIST OR	RF AMP
Q110 UMC5	TRANSIST OR	DC SW
Q112 2SK1824	FET	DC SW
Q113 2SK1824	FET	DC SW
Q114 DTA114EUA	TRANSIST OR	DC SW
Q115 2SC4215(Y)	TRANSIST OR	RF AMP
Q201 2SC4215(Y)	TRANSIST OR	RF AMP
Q201 2SC4215(Y)	TRANSIST OR	RF AMP
Q203 2SK1824	FET	DC SW
Q205 2SC4215(Y)	TRANSIST OR	RF AMP
Q206 2SK1824	FET	DC SW
Q207 DTC114EUA	TRANSIST OR	DC SW
Q240 2SC4215(Y)	TRANSIST OR	RF AMP
Q241 2SC4215(Y)	TRANSIST OR	RF AMP
Q242 2SC4215(Y)	TRANSIST OR	RF AMP
Q301 2SC4081(R)	TRANSIST OR	DC AMP
Q302 IMH5	TRANSIST OR	DC SW
Q304 IMH5	TRANSIST OR	DC SW
Q305 DTC114EUA	TRANSIST OR	DC SW
Q306 2SB951A(Q)	TRANSIST OR	DC AMP
Q307 FMW1	TRANSIST OR	DC AMP
Q308 UMC5	TRANSIST OR	DC SW
Q309 2SB951A(Q)	TRANSIST OR	DC AMP
Q310 FMW1	TRANSIST OR	DC AMP
Q311 DTC114EUA	TRANSIST OR	DC SW
Q312 DTC114EUA	TRANSIST OR	DC SW
Q313 DTC114EUA	TRANSIST OR	DC SW

X55-3060-10SK

RX UNIT

TKR-840

A1	M77K-A	DBM	DOUBLE BALANCED MIXER
D1	1SS355	DIODE	LOCK DETECT SWITCH
D2	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D3	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D4	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D6	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D9	1SV283	VARIABLE CAPACITANCE DIODE	FREQ.CONT
D10	DAN235K	DIODE	RF SWITCH
D11	DAN202U	DIODE	SQ SWITCH
D12	B30-2130-05	LED	LOCK DETECT LED
D13	B30-2130-05	LED	LOCK DETECT LED
IC1	SA7025DK	IC	PLL IC
IC2	NJM78L05UA	IC	AVR
IC3	BU4094BCFV	IC	SHIFT REGISTOR
IC4	TA7808S	IC	AVR
IC5	NJM2904E	IC	DC AMP
IC6	BU4053BCF	IC	ANALOG SWITCH
IC7	TA31137FN	IC	FM IF IC
IC8	TA31137FN	IC	FM IF IC
IC9	M62364FP	IC	D/A CONVERTER(ADJUSTMENT)
IC10	AT2408N10SI2.5	IC	EEPROM
IC11	NJM4558E	IC	AF AMPLIFIER
IC12	NJM4558E	IC	AF AMPLIFIER
IC13	NJM78L08UA	IC	AVR
IC14	NJM2904E	IC	DC AMP
IC15	LMX1511TMX	IC	PLL IC
IC16	NJM78L05UA	IC	AVR
IC17	NJM78L08UA	IC	AVR
IC18	TC7S81F	IC	AND GATE
IC19	TC74HC14AF	IC	INVERTER
IC20	AD9835BRU	MOS IC	DDS
IC21	NJM78L05UA	IC	AVR
IC22	TC7S66FU	IC	ANALOG SWITCH
IC23	TC7S66FU	IC	ANALOG SWITCH
Q1	2SC3357	TRANSIST OR	RF LOCAL AMP
Q3	2SC3356	TRANSIST OR	RF LOCAL AMP
Q4	2SC4081(R)	TRANSIST OR	REF. AMP
Q5	2SC3357	TRANSIST OR	RF LOCAL AMP
Q6	2SC4226(R24)	TRANSIST OR	BUFFER AMP
Q7	2SC3357	TRANSIST OR	RF AMP
Q8	2SK508(K53)	FET	VCO
Q9	2SK508(K53)	FET	VCO
Q10	2SC3722K(S)	TRANSIST OR	VCO SWITCH
Q12	2SC3722K(S)	TRANSIST OR	VCO SWITCH
Q13	DTC114EUA	TRANSIST OR	VCO SWITCH
Q14	2SC4226(R24)	TRANSIST OR	BUFFER AMP
Q15	2SC4215(Y)	TRANSIST OR	REF. AMP
Q16	2SB1386(R)	TRANSIST OR	DC SWITCH (NARROW)
Q17	2SC3722K(S)	TRANSIST OR	RIPPLE FILTER
Q18	DTC114EUA	TRANSIST OR	DC SWITCH (NARROW)
Q19	DTC114EUA	TRANSIST OR	DC SWITCH (NARROW)
Q20	2SB1386(R)	TRANSIST OR	DC SWITCH (WIDE)
Q21	2SK508(K53)	FET	VCO
Q22	DTC114EUA	TRANSIST OR	DC SWITCH (WIDE)

FCC ID:ALH30643110

FCC ID:ALH30643120

FCC ID:ALH30643130

Q23	2SC4215(Y)	TRANSIST OR	BUFFER AMP
Q24	2SC3357	TRANSIST OR	IF AMP
Q25	2SC3357	TRANSIST OR	IF AMP
Q26	2SC4081(R)	TRANSIST OR	ACTIVE FILTER
Q27	2SC4215(Y)	TRANSIST OR	BUFFER AMP
Q28	2SC4081(R)	TRANSIST OR	SQ AMP
Q29	DTC114EUA	TRANSIST OR	SQ SWITCH
Q30	2SC4215(Y)	TRANSIST OR	BUFFER AMP
Q31	2SC3357	TRANSIST OR	IF AMP
Q32	2SC3357	TRANSIST OR	IF AMP
Q33	2SC4215(Y)	TRANSIST OR	BUFFER AMP
Q34	2SJ106(GR)	FET	SQ SWITCH
Q35	2SJ106(GR)	FET	SQ SWITCH
Q36	DTC114EUA	TRANSIST OR	SQ SWITCH
Q37	DTC114EUA	TRANSIST OR	SQ SWITCH
Q38	DTC114EUA	TRANSIST OR	SQ SWITCH
Q39	2SC4081(R)	TRANSIST OR	BUFFER AMP