

FOR MODEL: TKR-850 K3
<X45-3630-12> FINAL UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION
D2	02DZ5.1(Y)	ZENER DIODE, VOLTAGE REFERENCE
D3	1SS355	DIODE, SURGE ABSORPTION
D4	HSM88AS	DIODE, RF DETECTOR
D5	HSM88AS	DIODE, RF DETECTOR
D7	ZSA5A27	ZENER DIODE, SURGE PROTECTOR
D8	RB051L-40	DIODE, REVERSE CURRENT PROTECTION
D9	MINISMDC050-02	VARISTOR, CURRENT PROTECTOR
D10	1SS355	DIODE, SURGE PROTECTOR
D51	DSA3A1	DIODE, SURGE PROTECTOR
D52	DSA3A1	DIODE, SURGE PROTECTOR
IC1	TK11050M	IC, THERMOSTAT
IC2	NJM78L05UA	IC, VOLTAGE REGULATOR
IC3	TA75W01FU	IC, DC AMP
Q1	2SC5110(O)	TRANSISTOR, RF AMP
Q2	2SC3356(R24)	TRANSISTOR, RF AMP
Q3	2SK2596	FET, RF AMP
Q4	2SK3075	FET, TX DRIVE AMP
Q7	2SK1824	FET, RF SWITCH
Q8	2SC4116(Y)	TRANSISTOR, DC SWITCH
Q9	DTD123EK	TRANSISTOR, DC SWITCH

FOR MODEL: TKR-850 K3
<X54-3330-20> DISPLAY UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION
D501	HSM88AS	DIODE, AF DETECTOR
D502	HSM88AS	DIODE, AF DETECTOR
D503	B30-2151-05	LED
D504	B30-2151-05	LED
D505	B30-2151-05	LED
D506	LA-501DD	LED, 7SEGMENT
D507	LA-501DD	LED, 7SEGMENT
D508	DA204U	DIODE, SURGE ABSORPTION
D509	DA204U	DIODE, SURGE ABSORPTION
D510	DA204U	DIODE, SURGE ABSORPTION
D511	DA204U	DIODE, SURGE ABSORPTION
D512	DA204U	DIODE, SURGE ABSORPTION
D513	DA204U	DIODE, SURGE ABSORPTION
D514	DA204U	DIODE, SURGE ABSORPTION
D601	DA204U	DIODE, SURGE ABSORPTION
D602	DA204U	DIODE, SURGE ABSORPTION
D603	MINISMD020	VARISTOR, CURRENT PROTECTOR
IC501	NJM4558E	MOS IC, MIC AMP
IC502	BU4094BCFV	IC, SHIFT RESISTER
IC503	BU4094BCFV	IC, SHIFT RESISTER
IC504	BU4094BCFV	IC, SHIFT RESISTER
IC505	BU4094BCFV	IC, SHIFT RESISTER
IC506	TA78L05F	IC, VOLTAGE REGULATOR
IC507	TA78L05F	IC, VOLTAGE REGULATOR
Q501	2SC4116(Y)	TRANSISTOR, LEVEL CONTROLLER
Q502	2SA1586(Y,GR)	TRANSISTOR, LEVEL CONTROLLER
Q504	UPA672T	FET, DC SWITCH
Q506	DTA114EUA	TRANSISTOR, DC SWITCH
Q507	UPA672T	FET, DC SWITCH
Q508	DTA114EUA	TRANSISTOR, DC SWITCH
Q510	DTA114EUA	TRANSISTOR, DC SWITCH
Q511	DTA114EUA	TRANSISTOR, DC SWITCH
Q512	UPA672T	FET, DC SWITCH
Q513	UPA672T	FET, DC SWITCH
Q514	UPA672T	FET, DC SWITCH
Q516	UPA672T	FET, DC SWITCH
Q517	UPA672T	FET, DC SWITCH
Q518	UPA672T	FET, DC SWITCH
Q519	UPA672T	FET, DC SWITCH
Q521	UPA672T	FET, DC SWITCH
Q522	UPA672T	FET, DC SWITCH
Q523	UPA672T	FET, DC SWITCH
Q524	UPA672T	FET, DC SWITCH

FOR MODEL: TKR-850 K3
<X57-6270-12> TX-RX UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION
D1	DAN235K	DIODE, WIDE/NARROW SWITCH
D2	DAN235K	DIODE, WIDE/NARROW SWITCH
D3	DAN235K	DIODE, WIDE/NARROW SWITCH
D4	DAN235K	DIODE, WIDE/NARROW SWITCH
D5	MA742	DIODE, NOISE DETECTION
D7	1SS355	DIODE, DC SWITCH
D8	DAN235K	DIODE, TX SWITCH
D9	HSM88AS	DIODE, SURGE PROTECTOR
D11	02DZ5.1(Y)	ZENER DIODE, SURGE PROTECTOR
D12	02DZ18(X,Y)	ZENER DIODE, SURGE PROTECTOR
D13	MA742	DIODE, VOLTAGE REDUCTION
D600	DA204U	DIODE, SURGE PROTECTOR
D601	MA2S111	DIODE, VOLTAGE REDUCTION
D606	DA204U	DIODE, SURGE PROTECTOR
D607	DA204U	DIODE, SURGE PROTECTOR
D608	DA204U	DIODE, SURGE PROTECTOR
D609	DA204U	DIODE, SURGE PROTECTOR
D610	DA204U	DIODE, SURGE PROTECTOR
D611	DA204U	DIODE, SURGE PROTECTOR
D612	DA204U	DIODE, SURGE PROTECTOR
D613	DA204U	DIODE, SURGE PROTECTOR
D614	DA204U	DIODE, SURGE PROTECTOR
D615	DA204U	DIODE, SURGE PROTECTOR
D616	DA204U	DIODE, SURGE PROTECTOR
D617	DA204U	DIODE, SURGE PROTECTOR
D618	DA204U	DIODE, SURGE PROTECTOR
D619	DA204U	DIODE, SURGE PROTECTOR
D620	DA204U	DIODE, SURGE PROTECTOR
D621	DA204U	DIODE, SURGE PROTECTOR
D622	DA204U	DIODE, SURGE PROTECTOR
D623	DA204U	DIODE, SURGE PROTECTOR
D624	DA204U	DIODE, SURGE PROTECTOR
D625	DA204U	DIODE, SURGE PROTECTOR
D626	MINISMDE190	VARISTOR, CURRENT PROTECTOR
D627	1SS355	DIODE, REVERSE CURRENT PROTECTOR
D628	1SS355	DIODE, REVERSE CURRENT PROTECTOR
D629	DA204U	DIODE, SURGE PROTECTOR
IC1	NJM4558E	IC, BUFFER AMP
IC2	NJM4558E	IC, BUFFER AMP
IC3	NJM78L05UA	IC, VOLTAGE REGULATOR
IC4	NJM7808FA	IC, VOLTAGE REGULATOR
IC5	AN8009M	IC, VOLTAGE REGULATOR
IC6	M62354GP	IC, D/A CONVERTER
IC7	BU4094BCF	IC, SHIFT RESISTER
IC9	TK14489V	IC, FM IF SYSTEM
IC10	TA7808F	IC, VOLTAGE REGULATOR
IC11	NJM78L05UA	IC, VOLTAGE REGULATOR
IC600	AT2408N10SI2.5	IC, EEP ROM
IC601	RH5VL42C	IC, VOLTAGE DETECTOR
IC602	BU4094BCFV	IC, SHIFT RESISTER
IC603	TC74LVX4245FS	IC, BUS TRANSCEIVER
IC604	30622M4-113GP	IC, CPU
IC605	BU4053BCF	IC, MULTIPLEXER
IC606	TC74LVX4245FS	IC, BUS TRANSCEIVER
IC607	NJM4558E	IC, AF AMP
IC608	TA75S01F	IC, AF AMP
IC609	AT29C020-90TI	IC, FLASH ROM
IC610	TA75S01F	IC, AF AMP

IC611	NJM4558E	IC, AF AMP
IC612	TC7S04FU	IC, INVERTER
IC613	TC74VHC4040FT	IC, COUNTER
IC614	AK4550VT	IC, CODEC
IC615	M62364FP	IC, D/A CONVERTER
IC616	NJM4558E	IC, AF AMP
IC617	NJM4558E	IC, AF AMP
IC618	320VC5402PGE	IC, DSP
IC619	TC75W51FU	IC, AF AMP
IC620	ADM202EARN	IC, RS232C TRANCEIVER
IC621	TC7S00FU	IC, NAND GATE
IC622	TC7S66FU	IC, MULTIPLEXER
IC623	BU4094BCFV	IC, SHIFT RESISTER
IC624	XC62FP1802P	IC, VOLTAGE REGULATOR
IC625	XC62FP3302P	IC, VOLTAGE REGULATOR
IC626	XC62FP3302P	IC, VOLTAGE REGULATOR
IC627	TA78L05F	IC, VOLTAGE REGULATOR
IC628	TA78L05F	IC, VOLTAGE REGULATOR
IC630	TA78L05F	IC, VOLTAGE REGULATOR
Q1	2SC3357	TRANSISTOR, RF AMP
Q2	2SC3357	TRANSISTOR, RF AMP
Q3	2SC3356(R24)	TRANSISTOR, RF AMP
Q4	DTC144EUA	TRANSISTOR, WIDE/NARROW SWITCH
Q5	DTA144EUA	TRANSISTOR, DC SWITCH
Q6	DTC144EUA	TRANSISTOR, DC SWITCH
Q7	2SC4617(S)	TRANSISTOR, NOISE AMP
Q8	2SC3356	TRANSISTOR, RF AMP
Q9	2SC3356	TRANSISTOR, RF AMP
Q10	2SC3357	TRANSISTOR, CURRENT CONTROL
Q11	2SC3356(R24)	TRANSISTOR, RF AMP
Q12	2SC4116(GR)	TRANSISTOR, RIPPLE FILTER
Q13	2SC4116(GR)	TRANSISTOR, RIPPLE FILTER
Q14	2SC4116(GR)	TRANSISTOR, RIPPLE FILTER
Q15	2SC4116(GR)	TRANSISTOR, RIPPLE FILTER
Q16	2SB1132(Q,R)	TRANSISTOR, DC SWITCH
Q17	DTC114EUA	TRANSISTOR, DC SWITCH
Q18	2SB1386(R)	TRANSISTOR, DC SWITCH
Q19	DTC114EUA	TRANSISTOR, DC SWITCH
Q20	DTC114EUA	TRANSISTOR, INVERTER
Q23	DTC114EUA	TRANSISTOR, DC SWITCH
Q24	DTD114EK	TRANSISTOR, DC SWITCH
Q25	DTC114EUA	TRANSISTOR, DC SWITCH
Q600	2SK1824	FET, DC SWITCH
Q601	DTC114EUA	TRANSISTOR, DC SWITCH
Q602	2SK1824	FET, DC SWITCH
Q603	DTC114EUA	TRANSISTOR, INVERTER
Q604	2SK1824	FET, DC SWITCH
Q605	DTC114EUA	TRANSISTOR, INVERTER
Q606	DTC363EK	TRANSISTOR, AF MUTE SWITCH
Q609	DTC114EUA	TRANSISTOR, DC SWITCH
Q610	2SJ506(S)	FET, DC SWITCH
Q611	DTC114EUA	TRANSISTOR, DC SWITCH

FOR MODEL: TKR-850 K3
<X58-480> VCO UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION
D350	1SV282	VARICAP, FREQUENCY CONTROL
D351	1SV282	VARICAP, FREQUENCY CONTROL
D352	1SV282	VARICAP, FREQUENCY CONTROL
D353	1SV282	VARICAP, FREQUENCY CONTROL
IC300	SA7025DK	IC, PLL
Q300	2SC4116(GR)	TRANSISTOR, ACTIVE FILTER
Q301	2SC4116(GR)	TRANSISTOR, ACTIVE FILTER
Q302	2SC4226(R24)	TRANSISTOR, BUFFER AMP
Q350	2SK508NV(K52)	FET, VCO OSC
Q351	2SK508NV(K52)	FET, VCO OSC
Q352	2SC4116(Y)	TRANSISTOR, DC SWITCH
Q353	2SC4116(Y)	TRANSISTOR, DC SWITCH
Q354	DTC114EUA	TRANSISTOR, DC SWITCH
Q355	2SC4226(R24)	TRANSISTOR, BUFFER AMP

FOR MODEL: TKR-850 K3
<X58-481> VCO UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION
D350	1SV282	VARICAP, FREQUENCY CONTROL
D352	1SV282	VARICAP, FREQUENCY CONTROL
D354	1SV214	VARICAP, MODULATION
IC300	SA7025DK	IC, PLL
Q300	2SC4116(GR)	TRANSISTOR, ACTIVE FILTER
Q301	2SC4116(GR)	TRANSISTOR, ACTIVE FILTER
Q302	2SC4226(R24)	TRANSISTOR, BUFFER AMP
Q350	2SK508NV(K52)	FET, VCO OSC
Q355	2SC4226(R24)	TRANSISTOR, BUFFER AMP