

FOR MODEL: TK-7150 (K) FCC ID:ALH32273110  
 <X57-6570-10> TXRX UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION	
D1	ZSA5A27	ZENER DIODE	SURGE PROTECTOR
D2	02DZ6.2(Y)	ZENER DIODE	VOLTAGE PROTECTION
D3	MA4PH633	DIODE	ANT SWITCH
D4	XB15A709	DIODE	ANT SWITCH
D5, 6	MA742	DIODE	RF DETECTOR
D7	1SS226	DIODE	TEMPERATURE COMPENSATION
D11	1SS355	DIODE	TEMPERATURE COMPENSATION
D101	DSA3A1-FK	DIODE	PROTECTION OF REVERSE CONNECTION
D102	02DZ18(X,Y)	ZENER DIODE	VOLTAGE REFERENCE
D103	02DZ15(X,Y)	ZENER DIODE	VOLTAGE REFERENCE
D104-106	1SS355	DIODE	DC SWITCH
D108	DA204U	DIODE	SURGE PROTECTOR
D109	02DZ15(X,Y)	ZENER DIODE	VOLTAGE REFERENCE
D201	1SS355	DIODE	DC SWITCH
D202	MA742	DIODE	NOISE DETECTION
D203-206	DAN235E	DIODE	WIDE/NARROW SWITCH
D207-209	1SV228	VARICAP	BPF TUNING
D501-508	1SV282	VARICAP	FREQUENCY CONTROL
D509	1SS388	DIODE	VOLTAGE DOUBLER
D510	1SS388	DIODE	VOLTAGE DOUBLER
D511	1SV278	VARICAP	MODULATOR
D512	02DZ12(Y)	ZENER DIODE	VOLTAGE REFERENCE
D513, 514	HVC131	DIODE	RF SWITCH
D515	MA2S111	DIODE	DC SWITCH
D700	1SS355	DIODE	SURGE PROTECTOR
D701-703	DA204U	DIODE	SURGE PROTECTOR
D704	MA2S111	DIODE	VOLTAGE REDUCTION
D705-709	DA204U	DIODE	SURGE PROTECTOR
D710	02DZ18(X,Y)	ZENER DIODE	SURGE PROTECTOR
D711, 712	MA742	DIODE	AF DETECTOR
D714	1SS388	DIODE	DC SWITCH
D715, 716	02DZ18(X,Y)	ZENER DIODE	SURGE PROTECTOR
D717	02DZ5.1(Y)	ZENER DIODE	VOLTAGE PROTECTION
D718	MA742	DIODE	RF DETECTOR
D785-790	02DZ5.1(Y)	ZENER DIODE	SURGE PROTECTOR
D791	MINISMDM075/24	VARISTOR	CURRENT PROTECTOR
D792, 793	MINISMDM110/16	VARISTOR	CURRENT PROTECTOR
IC1, 2	TA75W01FU	IC	DC AMP
IC101	PST9140NR	IC	VOLTAGE DETECTOR
IC102	TC4013BF(N)	IC	D Flip-Flop
IC103	PST9140NR	IC	VOLTAGE DETECTOR
IC104	TA7808S	IC	VOLTAGE REGULATOR
IC105	TA7805F	IC	VOLTAGE REGULATOR
IC106	XC62FP3302P	IC	VOLTAGE REGULATOR
IC107	XC62FP1802P	IC	VOLTAGE REGULATOR
IC108	XC62FP3302P	IC	VOLTAGE REGULATOR
IC109	AN8009M	IC	VOLTAGE REGULATOR
IC201	TA31136FN	IC	FM IF SYSTEM
IC202	TC7S66FU	IC	MULTIPLEXER
IC501	ADF4111BRU	IC	PLL
IC700	BU4094BCFV	IC	SHIFT RESISTER
IC701	M30624FGAGP	IC	CPU
IC702	BU4094BCFV	IC	SHIFT RESISTER
IC703	ADM202EARN	IC	RS232C TRANCEIVER
IC704	AT24128N10SI27	IC	EEP ROM
IC705	AT29C040A-12TI	IC	FLASH ROM
IC706	TC74LVX4245FS	IC	BUS TRANSCEIVER
IC707-9	TC7WH32FK	IC	OR GATE
IC710	320VC5402PGE	IC	DSP
IC711	TC7SU04FU	IC	INVERTER
IC712	TA75W01FU	IC	AF AMP
IC713	AK4550VT	IC	CODEC
IC714	TC75W51FU	IC	MIC AMP/AGC
IC715	TA75W01FU	IC	BUFFER AMP
IC716	TA75W01FU	IC	ANTI-ALIASING FILTER
IC717	BU4053BCFV	IC	MULTIPLEXER
IC718	M62364FP	IC	D/A CONVERTER

IC719	TC75W51FU	IC	AF AMP
IC720	TDA8561Q	IC	AUDIO POWER AMP
IC721	LMC7101BIM5	IC	DC AMP
IC722	TA75S01F	IC	AF AMP
IC723	NJM78L05UA	IC	VOLTAGE REGULATOR
IC724	TC7S66FU	IC	MULTIPLEXER
Q1	2SC3356(R24)	TRANSISTOR	RF AMP
Q2	2SC3357	TRANSISTOR	RF AMP
Q4	PD55003S	TRANSISTOR	DRIVE AMP
Q5	RD70HVF1	TRANSISTOR	FINAL AMP
Q101	DTC114EE	TRANSISTOR	DC SWITCH
Q102	DTC114EE	TRANSISTOR	SWITCH
Q103	2SJ506(S)	FET	DC SWITCH
Q104	DTC114EE	TRANSISTOR	DC SWITCH
Q105	DTC114EE	TRANSISTOR	DC SWITCH
Q106	2SB1132(Q,R)	TRANSISTOR	DC SWITCH
Q107	2SB1132(Q,R)	TRANSISTOR	DC SWITCH
Q108	DTA114EE	TRANSISTOR	DC SWITCH
Q109	DTA114YE	TRANSISTOR	DC SWITCH
Q110	DTC114TE	TRANSISTOR	DC SWITCH
Q111	DTA114EE	TRANSISTOR	DC SWITCH
Q112	DTA114YE	TRANSISTOR	DC SWITCH
Q113	DTC114YE	TRANSISTOR	DC SWITCH
Q201	DTA114EE	TRANSISTOR	W/N SWITCH
Q202	DTC114EE	TRANSISTOR	W/N SWITCH
Q203	DTC114EE	TRANSISTOR	W/N SWITCH
Q204	2SC4617(S)	TRANSISTOR	NOISE AMP
Q205	DTA144EE	TRANSISTOR	W/N SWITCH
Q206	2SC4215(Y)	TRANSISTOR	IF AMP
Q207	2SC3357	TRANSISTOR	PRE IF AMP
Q208	2SC3357	TRANSISTOR	RF AMP
Q209	2SK508NV(K52)	FET	MIXER
Q210	2SK508NV(K52)	FET	MIXER
Q211	2SK508NV(K52)	FET	MIXER
Q212	2SK508NV(K52)	FET	MIXER
Q213	2SC3357	TRANSISTOR	RF AMP
Q501	2SC4116(GR)	TRANSISTOR	ACTIVE FILTER
Q502	2SK1215(E)	FET, DC AMP	OSCILLATOR
Q503	2SC4116(GR)	TRANSISTOR	ACTIVE FILTER
Q504	2SC4116(GR)	TRANSISTOR	ACTIVE FILTER
Q505	2SC4738(GR)	TRANSISTOR	DC SWITCH
Q506	2SA1832(GR)	TRANSISTOR	DC SWITCH
Q507	2SK508NV(K52)	FET	RX OSCILLATOR
Q508	2SC4116(GR)	TRANSISTOR	AVR
Q509	2SK508NV(K52)	FET	TX OSCILLATOR
Q510	2SC4116(GR)	TRANSISTOR	TX/RX SW
Q511	2SC4116(GR)	TRANSISTOR	RIPPLE FILTER
Q512	2SC4116(GR)	TRANSISTOR	TX/RX SW
Q513	2SC5108(Y)	TRANSISTOR	BUFFER AMP
Q514	DTC114EE	TRANSISTOR	INVERTER
Q515	2SC5108(Y)	TRANSISTOR	BUFFER AMP
Q516	2SC5108(Y)	TRANSISTOR	AMP
Q517	2SC4116(GR)	TRANSISTOR	RIPPLE FILTER
Q518	2SA1832(GR)	TRANSISTOR	DC SWITCH
Q519	DTC144EE	TRANSISTOR	DC SWITCH
Q520	2SC4116(GR)	TRANSISTOR	DC SWITCH
Q521	DTC114EE	TRANSISTOR	INVERTER
Q700	2SK1824	FET	DC SWITCH
Q701	DTC114EE	TRANSISTOR	DC SWITCH
Q702	DTC144EE	TRANSISTOR	DC SWITCH
Q703	DTD114EK	TRANSISTOR	DC SWITCH
Q704	DTD114EK	TRANSISTOR	DC SWITCH
Q705	DTD114EK	TRANSISTOR	DC SWITCH
Q706	DTD114EK	TRANSISTOR	DC SWITCH
Q707	2SC4116(Y)	TRANSISTOR	MIC GAIN SWITCH
Q708	2SA1586(Y,GR)	TRANSISTOR	MIC GAIN SWITCH
Q709	DTC144EE	TRANSISTOR	INVERTER
Q710	DTC114EE	TRANSISTOR	DC SWITCH
Q711	2SD1757K	TRANSISTOR	DC SWITCH
Q712	2SJ243	FET	DC SWITCH
Q713	2SK1824	FET	DC SWITCH

Q714	DTC144EE	TRANSISTOR	DC SWITCH
Q716	DTC114EE	TRANSISTOR	DC SWITCH
Q719	DTC114YE	TRANSISTOR	DC SWITCH
Q720	DTC114YE	TRANSISTOR	DC SWITCH

FOR MODEL: TK-7150 (K) FCC ID: ALH32273110  
 <X54-340> DISPLAY UNIT

CIRCUIT

SYMBOL	PART NUMBER	DESCRIPTION	
D902	DA204U	DIODE	SURGE PROTECTOR
D903	DA204U	DIODE	SURGE PROTECTOR
D904	DA204U	DIODE	SURGE PROTECTOR
D905	DA204U	DIODE	SURGE PROTECTOR
D906	DA204U	DIODE	SURGE PROTECTOR
D907	02CZ9.1(X,Y)	ZENER DIODE	VOLTAGE REFERENCE
D908	B30-2050-05	LED	KEY backlight
D909	B30-2050-05	LED	KEY backlight
D910	B30-2050-05	LED	KEY backlight
D911	B30-2050-05	LED	KEY backlight
D912	B30-2193-05	LED	TX light
D913	B30-2050-05	LED	KEY backlight
D914	B30-2050-05	LED	KEY backlight
D915	B30-2194-05	LED	RX light
D916	02DZ18(X,Y)	ZENER DIODE	SURGE PROTECTOR
D917	MINISMDC020	VARISTOR	CURRENT PROTECTOR
IC901	TA7805F	IC	VOLTAGE REGULATOR
IC902	RH5VL42C	IC	VOLTAGE DETECTOR
IC904	30622M4A-410GP	IC	CPU
Q901	2SJ243	FET	MIC SWITCH
Q902	2SK1824	FET	DC SWITCH
Q903	2SD1760	TRANSISTOR	CURRENT DRIVER
Q904	DTC114EE	TRANSISTOR	DC SWITCH
Q905	DTC114EE	TRANSISTOR	DC SWITCH
Q906	DTC114EE	TRANSISTOR	DC SWITCH
Q907	DTC114EE	TRANSISTOR	DC SWITCH
Q908	DTC114EE	TRANSISTOR	DC SWITCH
Q909	DTC144EE	TRANSISTOR	INVERTER
Q910	DTC144EE	TRANSISTOR	INVERTER
Q911	DTC144EE	TRANSISTOR	DC SWITCH