VXR-7000U Component Application

[PA-UNIT]

Location	Type	Nomenclature	Application
D 1501	Diode	RN739F	RF SWITCH
D 1502	Diode	MA143	BIAS
D 1503	Diode	1SS319	DETECTOR
D 1504	Diode	1SS319	DETECTOR
Q 1501	Transistor	2SC3357-T2	RF AMP
Q 1502	RF Module	PF0341A	RF DRIVE AMP
Q 1503	Transistor	2SB1122S	AVR
Q 1504	Transistor	2SC4116GR	AVR
Q 1505	Transistor	2SB1122S	DC SWITCH
Q 1506	Transistor	UN5213	DC SWITCH
Q 1507	Transistor	2SC3102	RF POWER AMP
Q 1508	IC	NJM78L09UA	REGULATOR
Q 1509	IC	TA75S01F	APC AMP

[TX-UNIT]

Location	Type	Nomenclature	Application
D 2001	Diode	RD6.8UMB2	AVR
D 2002	Diode	HVU350TRF	OSC
D 2003	Diode	HVU350TRF	OSC
D 2004	Diode	HVU350TRF	MODULATION
D 2005	Diode	HVU350TRF	OSC
D 2006	Diode	HVU350TRF	OSC
D 2007	Diode	HVU350TRF	COMPENSATION
D 2008	Diode	HVU350TRF	MODULATION
D 2009	Diode	RN739F	RF SWITCH
D 2010	Diode	RN739F	RF SWITCH
D 2011	Diode	MA143	COMPENSATION
D 2012	Diode	MA143	COMPENSATION
Q 2001	IC	MB15A02PFV1	PLL
Q 2002	Transistor	2SC4116GR	OSC
Q 2003	Transistor	2SA1586Y	DETECTOR
Q 2004	Transistor	UN5215	SWITCH
Q 2005	Transistor	2SK508-T2B	OSC
Q 2006	Transistor	2SC4116GR	COMPENSATION
Q 2007	Transistor	2SA1586Y	COMPENSATION
Q 2008	Transistor	2SC5226	BUFFER
Q 2009	Transistor	2SC4116GR	REGULATOR
Q 2010	Transistor	2SC3357	RF AMP
Q 2011	Transistor	XN1213	SWITCH
Q 2012	IC	NJM78L05UA	REGULATOR
Q 2013	Transistor	2SA1179M6	SWITCH
Q 2014	Transistor	UN5213	SWITCH
Q 2015	Transistor	UN5213	SWITCH
Q 2016	Transistor	2SA1179M6	SWITCH

Q 2019	Transistor	XN1213	OSC SWITCH
Q 2020	IC	NJM2904M	COMPARATOR
Q 2021	Transistor	2SD1664	SWITCH
Q 2022	Transistor	2SD1664	SWITCH

[RX-UNIT]

Location	Type	Nomenclature	Application
D 3001	Diode	MA143	PROTECTION
D 3002	Diode	RD6.8UMB2	AVR
D 3003	Diode	RN739F	RF SWITCH
D 3004	Diode	HVU350TRF	RF TUNING
D 3005	Diode	HVU350TRF	OSC
D 3006	Diode	HVU350TRF	OSC
D 3007	Diode	HVU350TRF	RF TUNING
D 3008	Diode	HVU350TRF	OSC
D 3009	Diode	HVU350TRF	OSC
D 3010	Diode	HVU350TRF	COMPENSATION
D 3011	IC	GN2011-Q	MIXER
D 3012	Diode	MA142WK	SWITCH
D 3013	Diode	MA142WK	SWITCH
D 3014	Diode	RD5.6NB2	AVR
D 3015	Diode	MA142WK	NOISE DET
D 3016	Diode	MA142WK	COMPENSATION
D 3017	Diode	MA143	COMPENSATION
D 3018	Diode	MA143	COMPENSATION
D 3019	Diode	HVU350TRF	RF TUNING
D 3020	Diode	HVU350TRF	RF TUNING
Q 3001	IC	MB15A02PFV1	PLL
Q 3002	Transistor	2SC4116GR	OSC
Q 3003	Transistor	2SA1586Y	DETECTOR
Q 3004	Transistor	UN5215	SWITCH
Q 3005	Transistor	2SC3357-T2	RF AMP
Q 3006	Transistor	2SC4116GR	COMPENSATION
Q 3007	Transistor	2SA1586Y	COMPENSATION
Q 3008	Transistor	2SK508-T2B	OSC
Q 3009	Transistor	2SC5226-4/5	BUFFER
Q 3010	Transistor	2SC4116GR	REGULATOR
Q 3011	Transistor	2SC3357	RF AMP
Q 3012	IC	TA31136FN	IF DEM.
Q 3013	Transistor	2SC2812L6-TA	AVR
Q 3014	Transistor	2SC5226	IF AMP
Q 3015	Transistor	2SC4116GR	NOISE AMP
Q 3016	Transistor	XN1213	SWITCH
Q 3017	Transistor	2SC5226	IF AMP
Q 3018	Transistor	2SB1122S-TD	SWITCH
Q 3020	Transistor	XN1213	SWITCH
Q 3021	IC	NJM78L05UA	AVR
Q 3022	Transistor	XN1213	SWITCH

[CNTL-UNIT]

Location	Type	Nomenclature	Application
D 4001	Diode	DA204K	Static Voltage Protection
D 4002	Diode	DA204K	Static Voltage Protection
D 4003	Diode	DA204K	Static Voltage Protection
D 4004	Diode	DA204K	Static Voltage Protection
D 4005	Diode	DA204K	Static Voltage Protection
D 4006	Diode	DA204K	Static Voltage Protection
D 4007	Diode	D1F20	Reverse Voltage Protection
D 4008	Zener Diode	HZM7C	Level Shift
D 4009	Diode	DA204K	Static Voltage Protection
D 4010	Diode	1SS355	Discharge
D 4011	Diode	1SS355	Switch
D 4012	Diode	DA204K	Static Voltage Protection
D 4013	Diode	1SS355	Switch
D 4014	Diode	1SS355	Switch
D 4015	Diode	MA729	Switch
D 4016	Diode	DA204K	Static Voltage Protection
D 4017	Diode	DA204K	Static Voltage Protection
D 4018	Diode	DA204K	Static Voltage Protection
D 4019	Diode	DA204K	Static Voltage Protection
D 4020	Diode	DA204K	Static Voltage Protection
D 4021	Diode	DA204K	Limiter
D 4022	Diode	DA204K	Static Voltage Protection
D 4023	Diode	DA204K	Static Voltage Protection
D 4024	Diode	DA204K	Static Voltage Protection
D 4025	Diode	1SS184	Switch
D 4026	Diode	1SS184	Switch
D 4027	Surge absorber	ERZ-V07D121	Surge absorber
D 4028	Surge absorber	ERZ-V07D121	Surge absorber
D 4029	Surge absorber	ERZ-V07D121	Surge absorber
D 4030	Surge absorber	ERZ-V07D121	Surge absorber
D 4031	Surge absorber	ERZ-V07D121	Surge absorber
D 4032	Surge absorber	ERZ-V07D121	Surge absorber
D 4033	Surge absorber	ERZ-V07D121	Surge absorber
D 4034	Surge absorber	ERZ-V07D121	Surge absorber
D 4036	Diode	MA143	Compensation
D 4037	Diode	MA143	Compensation
Q 4001	IC	UPC2409AHF	9V Regulator
Q 4002	IC	UPC78M05AHF	5V Regulator
Q 4003	Transistor	DTC144EK	FAN Alarm Switch
Q 4004	IC	AN8005M	5V Regulator
Q 4005	IC	RH5VL45AA	Voltage Detector
Q 4006	Transistor	FMG2	A Output/Emergency Switch
Q 4007	Transistor	2SA1586Y	Reset Control
Q 4008	IC	NM93C86AM8	EEPROM

Q 4009	Transistor	DTC144EK	RX Enable/Coax Switch
Q 4010	Transistor	FMG2	Carrier On/NSQ Detect Switch
Q 4011	Transistor	FMG2	TX Enable/(Wide/Narrow) Switch
Q 4012	IC	HD64F3337YF16	Microprocessor
Q 4013	Transistor	2SC4116GR	Clock Shift Switch
Q 4014	IC	NJM2902V	AF amplifier
Q 4015	IC	M62354FP	D/A Converter
Q 4016	IC	NJM2902V	BPF
Q 4017	IC	LC73881M	DTMF Receiver
Q 4018	IC	NJM2902V	AF, Limit Amplifier/Pre-Emphasis
Q 4019	IC	NJM2902V	AF amplifier/LPF
Q 4020	IC	NJM2902V	AF amplifier/LPF/De-Emphasis
Q 4021	IC	NJM2902V	AF(MIC) amplifier/HPF
Q 4022	IC	TC74HC74AF	Clock Divider
Q 4023	Transistor	DTC144EK	Hook Switch
Q 4024	IC	FX805LG	Sub-Audio Signaling Processor
Q 4025	IC	FX803LG	Audio Signaling Processor
Q 4026	Transistor	DTC323TK	MIC Mute Switch
Q 4027	Transistor	2SC4116GR	Beep Buffer Amplifier
Q 4028	Transistor	FMG2	Repeat/Line Out CNTL Switch
Q 4029	IC	M51132FP	Voltage Controlled Volume
Q 4030	IC	NJU4066BM	Repeat/Mute/Line (In/Out) Switch
Q 4031	IC	NJM2902V	AF/Sub-AF/Temp.Sense Amplifier
Q 4032	Transistor	FMG2	Rep.Mute/Line in CNTL Switch
Q 4033	IC	NJM2902V	AF Buffer amplifier
Q 4034	IC	NJM2902V	AF/Buffer amplifier/LPF
Q 4035	Transistor	DTC144EK	Repeat Mute CNTL Logic Inverter
Q 4036	Transistor	DTC323TK	AF Mute Switch
Q 4037	Transistor	DTC323TK	Beep Mute Switch
Q 4038	Transistor	DTC323TK	Internal Beep Mute Switch
Q 4039	Transistor	DTA143XK	RX Squelch Switch
Q 4040	IC	NJM2904V	Sub-AF/Buffer Amplifier
Q 4041	Photo Coupler	TLP181-GB	Photo Coupler
Q 4042	Photo Coupler	TLP181-GB	Photo Coupler
Q 4043	IC	TDA2003H	AF Power Amplifier
Q 4044	Transistor	DTC144EK	ANI (Wide/Narrow) Switch
Q 4045	IC	NJM2902V	Sub-Audio LPF
Q 4046	IC	NJM2902V	Sub-Audio DCS Decoder

[DISPLAY-UNIT]

Location	Type	Nomenclature	Application
D 5001	LED	GL8KG21	BUSY Indicator
D 5002	LED	GL8KG21	TX Indicator
D 5003	Diode	MA143	Reverse Voltage Protection
D 5004	LED(7 Seg.)	NAA261B	Channel No. Indicator
D 5005	Diode	MA143	Static Voltage Protection
D 5006	Diode	MA143	Static Voltage Protection
D 5007	Diode	MA143	Static Voltage Protection

D 5008	Diode	MA143	Static Voltage Protection
D 5009	Diode	MA143	Static Voltage Protection
D 5010	Diode	MA143	Static Voltage Protection
D 5011	Diode	MA143	Static Voltage Protection
D 5012	LED	HLMF-KL05	LCD Back Light
D 5013	LED	HLMF-KL05	LCD Back Light
D 5014	Diode	MA143	Static Voltage Protection
D 5015	Diode	MA143	Reverse Voltage Protection
D 5016	Diode	MA143	Static Voltage Protection
D 5017	Diode	MA143	Static Voltage Protection
D 5018	Diode	MA143	Static Voltage Protection
DS5001	LCD	TTR3165UPFDCW	Code Indicator
Q 5001	IC	DN8657S	Data Decoder/LED Driver
Q 5002	Transistor	XN1213	BUSY LED/TX LED Switch
Q 5003	IC	PST596CNR	Voltage Detector
Q 5004	Transistor	XN1213	Clock Shift Switch
Q 5005	IC	TC7S04FU	CNTL Logic inverter
Q 5006	Transistor	DTC144EK	Back Light Switch
Q 5007	IC	HD4074829TF	Microprocessor
Q 5008	IC	NM93C86AM8	EEPROM
Q 5009	Transistor	DTC144EK	Clone Switch
Q 5010	IC	TC7W125FU	Bus Buffer
Q 5011	IC	TC7W125FU	Bus Buffer
Q 5012	IC	TC7W125FU	Bus Buffer
Q 5013	IC	NJM78L05UA	5V Regulator

[KEY-UNIT]

Location	Type	Nomenclature	Application
D 5501	LED	TLG208	Function Indicator
D 5502	Diode	1SS355	Reverse Voltage Protection
D 5503	Diode	1SS355	Reverse Voltage Protection
D 5504	Diode	1SS355	Reverse Voltage Protection
D 5505	LED	TLG208	Function Indicator
D 5506	Diode	1SS355	Reverse Voltage Protection
D 5507	LED	TLG208	Function Indicator
D 5508	LED	TLG208	Function Indicator
D 5509	LED	GL3KG8	AC Indicator
D 5510	LED	GL3HY8	DC Indicator
Q 5501	Transistor	DTC323TK	Alert Tone Switch
Q 5502	Transistor	XN1213	LED Driver
Q 5503	IC	BU4094BCFV	LED Data Decoder
Q 5504	Transistor	XN1213	LED Driver
Q 5505	Transistor	XN1213	LED Driver
Q 5506	Transistor	DTC144EK	CNTL Logic Inverter

[FILTER-UNIT]

Location	Type	Nomenclature	Application
D 6001	Diode	1SS355	SWITCH
D 6002	Diode	DAN202K	PROTECTION

D 6003	Diode	DAN202K	PROTECTION
D 6004	Diode	DSA3A1	SWITCH
D 6005	Diode	DAN202K	PROTECTION
D 6006	Diode	1SS355	SWITCH
D 6007	Diode	1SS355	SWITCH
Q 6001	Transistor	2SA1179M6	SWITCH
Q 6002	Transistor	UN5213	SWITCH
Q 6003	Transistor	XN1213	SWITCH
Q 6004	Transistor	2SC2812L6	SWITCH
Q 6005	Transistor	2SC2812L6	SWITCH
Q 6006	IC	NJM2904M	COMPARATOR