

## VXR-9000U-H

Address	Device name	Description	Application
[MAIN-UNIT]			
D 1001	Diode	1SS302	Protector
D 1002	Diode	RN739F	Protector
D 1003	Diode	HVU350	BPF Tuning
D 1004	Diode	HVU350	BPF Tuning
D 1005	Diode	HVU350	BPF Tuning
D 1006	Zener Diode	HZU5ALL	Voltage Shift
D 1007	Diode	HVU350	BPF Tuning
D 1008	Diode	1SV282	TX VCO
D 1009	Diode	1SV282	TX VCO
D 1010	Diode	HVU350	Modulation
D 1011	Zener Diode	HZM5.6NB2	Voltage Regulator
D 1012	Diode	MA142WK	Switch
D 1013	Diode	MA142WK	Switch
D 1014	Diode	MA143	Noise Detect
D 1015	Diode	MA143	Noise Detect
D 1016	Diode	RN739F	RF Switch
D 1017	Diode	RN739F	RF Switch
D 1018	Diode	1SV229	RX VCO
D 1019	Diode	1SV229	RX VCO
D 1020	Diode	1SV229	RX VCO
D 1021	Diode	1SV229	RX VCO
D 1022	Zener Diode	HZU5ALL	Voltage Shift
D 1023	Diode	MA143	Temperature Compensation
D 1024	Diode	MA143	Temperature Compensation
D 1025	Diode	MA143	Temperature Compensation
D 1026	Diode	MA143	Temperature Compensation
D 1501	Diode	1SS321	Switch
D 1502	Diode	1SS321	Switch
Q 1001	IC	NJM2902V	AF Amplifier
Q 1002	Transistor	2SD1664Q	DC Switch
Q 1003	IC	TA75S01F	Comparator
Q 1004	IC	NJM2904V	AF Amplifier
Q 1005	IC	TAR5S30	3 V Regulator
Q 1006	IC	M51132FP	Voltage Controlled Amplifier
Q 1007	Transistor	2SC4116GR	RF Buffer Amplifier
Q 1008	IC	MB15A02PFV1	TX PLL Subsystem
Q 1009	Transistor	2SC3357	RF Amplifier
Q 1010	IC	NJM2904V	AF Amplifier
Q 1011	Not used		
Q 1012	Transistor	2SA1586Y	Switch
Q 1013	Transistor	UN5215	Switch
Q 1014	Transistor	2SA1162GR	Charge Pump for TX PLL
Q 1015	Transistor	2SC2712GR	Charge Pump for TX PLL
Q 1016	Transistor	2SC4116GR	Ripple Filter
Q 1017	IC	NJM2902V	AF Amplifier/AF Mixer
Q 1018	IC	SPM5001	RX 1st Mixer
Q 1019	Transistor	2SC3357	RF Amplifier
Q 1020	IC	NJM2904V	AF Amplifier
Q 1021	FET	2SK508	TX VCO
Q 1022	Transistor	2SC5226	IF Amplifier
Q 1023	Transistor	2SC2812NL6	Voltage Regulator
Q 1024	Transistor	XN1213	Switch
Q 1025	IC	NJM2902V	AF Filter
Q 1026	Transistor	2SC5226	RF Amplifier
Q 1027	Transistor	2SC4116GR	Ripple Filter
Q 1028	IC	TA31136FN	IF Subsystem
Q 1029	Transistor	2SB1122S	Switch
Q 1030	Transistor	2SC3357	RF Amplifier
Q 1031	Transistor	XN1213	Switch
Q 1032	Transistor	UN5213	Switch
Q 1033	Transistor	2SC4116GR	Noise Amplifier
Q 1034	Transistor	2SA1179M6	Switch
Q 1035	Transistor	XN1213	Switch
Q 1036	Transistor	XN1213	Switch
Q 1037	Transistor	DTA144EE	Switch
Q 1038	Not Used		
Q 1039	Transistor	XN1213	Switch
Q 1040	IC	BU4066BCFV	Analog Switch
Q 1041	Transistor	2SA1162GR	Charge Pump for RX PLL
Q 1042	Transistor	2SC2712GR	Charge Pump for RX PLL
Q 1043	Transistor	DTC144EK	Switch
Q 1044	Transistor	FMG2	Switch
Q 1045	Transistor	2SC4116GR	RF Amplifier
Q 1046	Transistor	2SC4116GR	Ripple Filter
Q 1047	Transistor	UN5215	Switch
Q 1048	FET	2SK508	RX VCO
Q 1049	FET	2SK508	RX VCO

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Address	Device name	Description	Application
Q 1050	IC	NJM2904V	AF Amplifier
Q 1051	Transistor	2SA1586Y	Switch
Q 1052	IC	MB15A02PPFV1	RX PLL Subsystem
Q 1053	Transistor	RT1N241M	Switch
Q 1054	Transistor	RT1N241M	Switch
Q 1055	IC	M62364FP	D/A Converter
Q 1056	IC	M51132FP	Voltage Controlled Amplifier
Q 1057	IC	TDA2003	AF Power Amplifier
Q 1058	Transistor	2SC4116GR	RF Amplifier
Q 1059	Transistor	2SC5226	RF Amplifier
Q 1060	Transistor	DTC144EE	Switch
Q 1061	Transistor	2SC4116GR	Ripple Filter
Q 1062	IC	L78M05T	5V Regulator
Q 1501	Transistor	XN1213	Switch
Q 1502	Transistor	2SC5226	IF Amplifier
Q 1503	Transistor	XN1213	Switch
Q 1504	Transistor	2SC4116GR	Switch
[CNTL-UNIT]			
D 3001	Diode	MC2850	Static Electricity Protection
D 3002	Diode	BAS316	Surge Protection
D 3003	Diode	MC2850	Static Electricity Protection
D 3004	Diode	MC2850	Static Electricity Protection
D 3005	Diode	MC2850	Static Electricity Protection
D 3006	Diode	MC2850	Static Electricity Protection
D 3007	Diode	MC2850	Static Electricity Protection
D 3008	Diode	MC2850	Static Electricity Protection
D 3009	Diode	MC2850	Static Electricity Protection
D 3010	Diode	MC2850	Static Electricity Protection
D 3011	Diode	D1F20-4063	Prevention of current backflow
D 3012	Diode	BAS316	Surge Protection
D 3013	Not Used		
D 3014	Diode	MC2850	Hysteresis Comparator
D 3015	Diode	MC2850	Surge Protection
D 3016	Not Used		
D 3017	Not Used		
D 3018	Diode	MC2850	Static Electricity Protection
D 3019	Diode	MC2850	Static Electricity Protection
D 3020	Diode	MC2848	Prevention of current backflow
D 3021	Zener Diode	02CZ3.6Z	Voltage Regulator
D 3022	Diode	DA204K	Static Electricity Protection
D 3023	Diode	MC2848	Prevention of current backflow
D 3024	Not Used		
D 3025	Not Used		
D 3026	Diode	D1F20-4063	Prevention of current backflow
D 3027	Diode	BAS316	Surge Protection
D 3028	Diode	BAS316	Surge Protection
D 3029	Diode	MC2848	Switch
Q 3001	IC	NJM2902V	AF Amplifier
Q 3002	IC	TA75S01F	Voltage Buffer
Q 3003	IC	TC4W53FU	Analog Switch
Q 3004	Transistor	2SB1201S	DC Switch
Q 3005	FET	2SK3065	DC Switch
Q 3006	IC	BR24L32F-WE2	EEPROM
Q 3007	IC	AN8005M	5 V Regulator
Q 3008	Not Used		
Q 3009	FET	2SK3065	DC Switch
Q 3010	Transistor	FMG2	DC Switch
Q 3011	Transistor	FMG2	DC Switch
Q 3012	IC	BD4845FVE	Voltage Comparator
Q 3013	Not Used		
Q 3014	IC	HD64F2238BFA13	Main Microprocessor
Q 3015	Transistor	DTC323TK	Switch
Q 3016	IC	TA75S01F	AF Amplifier
Q 3017	Transistor	2SC4116GR	Clock Shift
Q 3018	Transistor	2SC4116GR	Clock Shift
Q 3019	IC	TA75S01F	AF Amplifier
Q 3020	IC	FX805LG	CTCSS Decoder
Q 3021	IC	NJM2902V	AF Amplifier
Q 3022	Transistor	2SA1586Y	Switch
Q 3023	IC	TA75S01F	AF Amplifier
Q 3024	Transistor	FMG2	Switch
Q 3025	Transistor	2SC4116GR	AF Amplifier
Q 3026	Transistor	DTA144EE	Switch
Q 3027	Not Used		
Q 3028	Transistor	DTC144EE	Switch
Q 3029	Transistor	DTC144EE	Switch
Q 3030	Not Used		
Q 3031	Not Used		

## VXR-9000U-H

Address	Device name	Description	Application
Q 3032	IC	BU4066BCFV	Analog Switch
Q 3033	IC	BU4066BCFV	Analog Switch
Q 3034	IC	LA8630M-B	AF Compressor/Expander
Q 3035	IC	NJM2904V	AF Amplifier
Q 3036	IC	TA75S01F	AF Amplifier
Q 3037	Transistor	DTC144EE	Switch
Q 3038	Transistor	DTC323TK	Switch
Q 3039	Transistor	FMG2	Switch
Q 3040	Transistor	DTC144EE	Switch
Q 3041	IC	NJM2904V	AF Amplifier
Q 3042	Transistor	2SC4154E	AF Amplifier
Q 3043	IC	NJM12903R	AF Amplifier
Q 3044	IC	NJM2902V	AF Amplifier
Q 3045	Not Used		
Q 3046	Transistor	DTC144EE	Switch
Q 3047	Not Used		
Q 3048	Not Used		
Q 3049	Not Used		
Q 3050	Transistor	DTC144EE	Switch
Q 3051	IC	TC7S66FU	Analog Switch
Q 3052	Transistor	DTC144EE	Switch
Q 3053	Transistor	DTC144EE	Switch
Q 3054	Transistor	2SA1586Y	Switch
Q 3055	Transistor	2SB1201S	Switch
Q 3056	Transistor	DTC144EE	Switch
Q 3057	Transistor	DTC144EE	Switch
Q 3058	IC	TC4W53FU	Analog Switch
Q 3059	IC	TA75S01F	AF Amplifier
Q 3060	Transistor	DTC144EE	Switch
Q 3061	IC	TC4S81F	Switch
Q 3062	Transistor	FMG2	Switch
Q 3063	Transistor	FMG2	Switch
Q 3064	IC	TC4S66F	Analog Switch
[REG-UNIT]			
Q 3901	IC	KIA7809API	9 V Regulator
Q 3902	IC	KIA7805API	5 V Regulator
[PANEL-UNIT]			
D 4001	LED	GL8PR21	Status Indicator
D 4002	Diode	MC2850	Static Electricity Protection
D 4003	LED	GL8KG21	Status Indicator
D 4004	Diode	BAS316	Prevention of current backflow
D 4005	LED	GL8EG22	Status Indicator
D 4006	Diode	MC2850	Static Electricity Protection
D 4008	Diode	BAS316	Prevention of current backflow
D 4009	LED	GL8PR22	Status Indicator
D 4010	LED	OU1008	Key Indicator
D 4011	Diode	MC2850	Static Electricity Protection
D 4012	LED	OU1008	Key Indicator
D 4013	Diode	MC2850	Static Electricity Protection
D 4014	LED	OU1008	Key Indicator
D 4015	Diode	MC2850	Static Electricity Protection
D 4016	Diode	MC2850	Static Electricity Protection
D 4017	LED	OU1008	Key Indicator
D 4018	LED	OU1008	Key Indicator
D 4019	Diode	MC2850	Static Electricity Protection
D 4020	LED	OU1008	Key Indicator
D 4021	Diode	MA729	Prevention of current backflow
D 4100	LED	LB-602DA2	Status Indicator
Q 4001	IC	NJM2902V	AF Amplifier
Q 4002	Transistor	DTC323TK	DC Switch
Q 4003	IC	BU4094BCFV	8-bit Shift Register
Q 4004	Transistor	DTC144EE	DC Switch
Q 4005	Transistor	XN1213	DC Switch
Q 4006	Transistor	RT1P441U	DC Switch
Q 4007	Transistor	XN1213	DC Switch
Q 4008	IC	BU4066BCFV	Analog Switches
Q 4009	Transistor	XN1213	DC Switch
Q 4010	Transistor	XN1213	DC Switch
Q 4011	IC	BU4094BCFV	8-bit Shift Register
Q 4012	Transistor	DTC144EE	DC Switch
Q 4013	Transistor	XN1213	DC Switch
Q 4014	IC	BU4094BCFV	8-bit Shift Register
Q 4015	Transistor	XN1213	DC Switch
Q 4016	Transistor	XN1213	DC Switch
Q 4017	Transistor	XN1213	DC Switch
Q 4018	Transistor	XN1213	DC Switch
Q 4019	Transistor	XN1213	DC Switch
Q 4020	Transistor	XN1213	DC Switch

## VXR-9000U-H

Address	Device name	Description	Application
Q 4021	Transistor	XN1213	DC Switch
Q 4022	Transistor	XN1213	DC Switch
<b>[100W-PA-UNIT]</b>			
D 6001	Diode	RN739F	RF Switch
D 6002	Diode	BAS316	Switch
D 6003	LED	SML-210VT	Indicator (F6001 open)
D 6004	Diode	BAS316	RF Drive Amplifier Bias
D 6005	LED	SML-210VT	Indicator (F6002 open)
D 6006	Zener Diode	UDZS 5.6B	Limiter
D 6007	Zener Diode	UDZS 5.6B	Limiter
D 6008	Diode	MC2850-1	Temperature Compensation
D 6009	Diode	BAS316	Switch
D 6010	Diode	MC2850-1	Temperature Compensation
D 6011	Diode	MC2850-1	Temperature Compensation
D 6012	Diode	1SS319	RF Detector
D 6013	Diode	1SS319	RF Detector
D 6014	Diode	BAS316	Switch
D 6015	Diode	1SS319	RF Detector
D 6016	Diode	1SS319	RF Detector
D 6017	Surge Absorber	RHCA-301Q43U	Surge Protection
D 6018	Surge Absorber	RHCA-301Q43U	Surge Protection
D 6019	LED	SML-210VT	Indicator (Q6011 down)
D 6020	LED	SML-210VT	Indicator (Q6014 down)
D 6021	Diode	DAN235K	Switch
Q 6001	IC	NJM78L09UA	9V Regulator
Q 6002	Transistor	FMG2	Switch
Q 6003	Transistor	UMZ2N	Switch
Q 6004	Transistor	2SC5019	RF Drive Amplifier
Q 6005	Transistor	2SA812 M5B	PA +B Switch
Q 6006	Transistor	DTC144EE	Switch
Q 6007	Transistor	DTC144EE	Switch
Q 6008	Transistor	UMZ2N	Switch
Q 6009	Transistor	FMG2	Switch
Q 6010	Transistor	FMG2	Switch
Q 6011	IC	S-AU93	RF Power Amplifier
Q 6012	IC	LM2902PWR	DC Buffer Amplifier
Q 6013	IC	LM2904PWR	APC Amplifier
Q 6014	IC	S-AU93	RF Power Amplifier
Q 6015	Transistor	2SA812 M5B	Switch
Q 6016	Transistor	2SA812 M5B	Switch
Q 6017	Transistor	DTC144EE	Switch
<b>[RELAY-UNIT]</b>			
D 8001	Diode	DSA3A1	Switch
D 8002	Diode	C30T04QH	Reverse Polarity Protection
D 8003	Diode	C30T04QH	Reverse Polarity Protection
D 8004	Diode	BAS316	Surge Protection
D 8005	Diode	BAS316	Surge Protection
D 8006	Diode	HZM9.1NB3	Limiter
D 8007	Diode	1SS355	Switch
D 8008	Diode	1SS355	Switch
D 8009	Diode	1SS355	Switch
D 8010	Diode	1SS355	Switch
D 8011	Diode	1SS355	Switch
D 8012	Diode	1SS355	Switch
D 8013	LED	SML-210VT	Indicator (F8002 open)
D 8014	Diode	BAS316	Surge Protection
Q 8001	Transistor	DTC144EE	Switch
Q 8002	Transistor	2SC4154-1E	Switch
Q 8003	IC	LM2902PWR	Comparator
Q 8007	Transistor	DTC144EE	Switch
Q 8008	Transistor	DTC144EE	Switch
Q 8009	Transistor	DTC144EE	Noise Filter
Q 8010	Transistor	DTC144EE	Switch