

VX-5500U COMPONENT APPLICATIONS

Address	Device name	Description	Application
[MAIN-UNIT]			
Q 1001	Transistor	2SK508-T2B_K52	Rx Voltage Control Oscillator
Q 1003	Transistor	RT1N241M	Tx Switch
Q 1004	IC	MM1216ENRE	9V Regulator
Q 1005	Transistor	2SB1201STP-FA-TL	9V Regulator
Q 1006	Transistor	2SC4154E	VCO Regulator
Q 1007	IC	M5223AGP_600C	APC COMP
Q 1008	Transistor	RT1N241M	RX VCO Switch
Q 1010	Transistor	RT1N241M	Wide/Narrow Switch
Q 1011	Transistor	2SB1132	Tx 9V Switch
Q 1012	Transistor	DTB123EK_T146	Rx 9V Switch
Q 1014	Transistor	IMH6A	Tx/Rx Switch
Q 1015	Transistor	RT1N241M	MOD Mute Switch
Q 1017	IC	RA45H4452M	RF PWR-MODULE
Q 1018	Transistor	2SC3356-T2B_R25	RF Amplifier
Q 1019	Transistor	2SK508-T2B_K52	Rx Voltage Control Oscillator
Q 1020	Transistor	2SC4226-T2B_R24	Tx Voltage Control Oscillator
Q 1021	Transistor	2SC4116GR	PLL Filter
Q 1022	Transistor	2SC4116GR	PLL Filter
Q 1023	Transistor	2SA1602A	PLL Filter
Q 1024	Transistor	2SK2035	PLL Filter
Q 1025	Transistor	2SC5415E-TD	Tx Driver Amp
Q 1026	Transistor	2SC5107-O	VCO Buff Amp
Q 1027	Transistor	RT1N241M	RX VCO Switch
Q 1028	Transistor	IMH6A	VCO Tx/Rx Switch
Q 1030	Transistor	2SC4227-T2B_R34	IF Amp
Q 1031	Transistor	2SC5107-O	Tx Driver Amp
Q 1032	Transistor	2SC4227-T2B_R34	Buff Amp
Q 1033	IC	SA7025DK	PLL IC
Q 1034	IC	TA31136FN	2nd IF IC
Q 1035	Transistor	2SC4116GR_TE85R	Reference Oscillator Buff Amp
Q 1038	IC	NJM78L05UA	PLL 5V Regulator
Q 1041	Transistor	2SC4227-T2B_R34	IF AMP
Q 1042	Transistor	RT1N241M	Wide/Narrow Switch
Q 1043	IC	TC4W53FU_TE12L	RX VCO Switch
Q 1045	Transistor	RT1N241M	Wide/Narrow Switch
Q 1046	IC	RN5RL30A-TR	Reference Oscillator 3V Regulator
Q 1050	Transistor	2SC4116GR_TE85R	BPF Tune/APC COMP Buff
Q 1051	Transistor	RT1N241M	Tx Switch
Q 1052	IC	NJM2904V-TE1	MOD Amp
Q 1053	Transistor	2SC4154-T11-1E	PLL 9V Regulator
Q 1188	Transistor	SPM5001	MIX
Q 1194	Transistor	RT1N241M	Wide/Narrow Switch
Q 2001	IC	NJM2902V	Emphasis/IDC/LPF/MIX
Q 2002	Transistor	IMD3	Analog Switch
Q 2003	IC	NJM2902V	RSSI/SQL/LPF
Q 2004	IC	TC4W53FU	Analog Switch
Q 2005	Transistor	RT1N241M	Analog Switch
Q 2006	Transistor	IMX1	Analog Switch
Q 2007	IC	BU4066BF	Analog Switch
Q 2008	Transistor	RT1N241M	MIC Mute Switch
Q 2009	Transistor	RT1N241M	Analog Switch
Q 2010	Transistor	RT1N241M	Analog Switch
Q 2011	Transistor	RT1N241M	External SQL Switch
Q 2012	Transistor	RT1N241M	External SQL Switch
Q 2013	Transistor	IMZ1	Analog Switch
Q 2014	Transistor	RT1N241M	AF Mute Switch
Q 2015	Transistor	RT1N241M	Analog Switch
Q 2016	Transistor	DTC323TK	AF Mute Switch
Q 2017	IC	MX165CDW	CTCSS Encoder/Decoder
Q 2018	IC	TDA7240AV	AF Power Amp
Q 2019	IC	CXA1846N	AF Volume
Q 2020	Transistor	IMD3	Analog Switch
Q 2021	Transistor	DTB123EK	Analog Switch
Q 2022	Transistor	DTB123EK	Analog Switch
Q 2023	Transistor	DTC323TK	AF Mute Switch
Q 2024	Transistor	2SC4154	Clock Freq. Shift switch
Q 2025	IC	MB90F583B	CPU
Q 2026	IC	BU4053BCF	Analog Switch
Q 2027	Transistor	2SJ327	DC Switch
Q 2028	IC	NJM78L05UA	5V Regulator
Q 2029	Transistor	2SA1602A	Reset Switch
Q 2030	Transistor	RT1N241M	Reset Switch

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Q 2031	IC	LA8630M	Compadr IC
Q 2032	Transistor	RT1N241M	Analog Switch
Q 2033	Transistor	RT1N241M	Analog Switch
Q 2035	IC	RN5VL35AA	Reset IC
Q 2036	IC	HN58X2432TI	Programmable Data Store
Q 2037	Transistor	RT1N241M	Analog Switch
Q 2038	IC	TC4S66F	Analog Switch
Q 2039	Transistor	RT1N241M	Analog Switch
Q 2040	IC	NJM2902V	DCS Decoder
Q 2041	IC	NJM2902V	DeEmphasis /AF Amp
Q 2042	IC	NJM2904V	AF HPF
Q 2045	IC	TC4S66F	Analog Switch
Q 2047	IC	TA75S01F_TE85R	AF Amp
D 1001	Diode	RLS135_TE-11	Protection
D 1002	Diode	BAS316	Protection
D 1003	Diode	DSA3A1	Reverse Voltage Protecion
D 1004	Diode	BAS316	Reverse Current Protecion
D 1005	Diode	BAS316	Discharge
D 1006	Varactor Diode	1SV229_TPH3	RX VCO
D 1007	Varactor Diode	HVU350-TR	BPF Tune
D 1008	Varactor Diode	1SV229_TPH3	RX VCO
D 1009	Varactor Diode	HVU350-TR	BPF Tune
D 1010	Varactor Diode	1SV229_TPH3	RX VCO
D 1011	Varactor Diode	1SV229_TPH3	RX VCO
D 1012	Varactor Diode	1SV229_TPH3	RX VCO
D 1013	Varactor Diode	1SV229_TPH3	RX VCO
D 1014	Varactor Diode	1SV229_TPH3	TX VCO
D 1015	Varactor Diode	1SV229_TPH3	TX VCO
D 1016	Varactor Diode	1SV229_TPH3	RX VCO
D 1018	Varactor Diode	1SV229_TPH3	RX VCO
D 1020	Varactor Diode	1SV230	TX VCO
D 1023	Varactor Diode	HVU350-TR	BPF Tune
D 1024	Varactor Diode	HVU350-TR	BPF Tune
D 1025	Diode	1SS321	Tx/Rx RF Switch
D 1027	Diode	UDZS5.6B	5V Supply
D 1028	Diode	MC2848-T11-1	2nd IF Filter Switch
D 1029	Diode	MC2848-T11-1	2nd IF Filter Switch
D 1034	Diode	DAN235K_T97	1st IF Filter Switch
D 1037	Diode	HSM88AS_TR	RF Pow Detector
D 1038	Diode	HSM88AS_TR	RF Pow Detector
D 1039	Diode	DAN235K_T97	1st IF Filter Switch
D 1041	Diode	BAS316	Tx Driver Bias
D 1047	Diode	UM9957F/TR	RF Switch
D 1049	Diode	UM9957F/TR	RF Switch
D 2001	Diode	MC2846	External PTT
D 2002	Diode	BAS316	Reverse Current Protecion
D 2003	Diode	BAS316	Reverse Current Protecion
D 2004	Diode	BAS316	Reverse Current Protecion
D 2005	Diode	BAS316	Reverse Current Protecion
D 2006	Diode	MC2850	NSQ Detector
D 2007	Diode	MC2850	NSQ Detector
D 2008	Diode	MC2850	DCS Detector
D 2009	Diode	BAS316	Detector
D 2010	Diode	BAS316	Protection
D 2011	Diode	MC2846	Reverse Current Protecion
D 2012	Diode	MC2850	limitter
D 2013	Diode	MC2850	Detector

[DISPLAY-UNIT]			
Q 3001	IC	LG75823W	LCD Driver
Q 3003	Transistor	DTC323TK_T146	Mic Mute
Q 3004	Transistor	IMZ1	Line Buff
Q 3005	Transistor	RT1N241M	DATA Line Mute
Q 3006	Not Used		
Q 3007	Not Used		
Q 3008	Transistor	DTC323TK_T146	Mic Mute
Q 3009	Transistor	DTC323TK_T146	Mic Mute
Q 3010	Transistor	IMX1	Line Buff
Q 3011	Transistor	IMZ1	Buff
Q 3012	IC	S-93C46AMFN	Programmable Data Store
Q 3013	Transistor	IMD3	Buff
Q 3014	IC	HD64F3642AH	Microprocessor

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Address	Device name	Description	Application
Q 3015	Transistor	IMH6A	Switch for flash mode
Q 3016	IC	RN5VL35AA-TR	Microprocessor Reset
Q 3017	Transistor	2SA1602A	Power Down Detect
Q 3019	Transistor	2SC4154	Clock Freq. Shift switch
Q 3020	Transistor	RT1N241M	AF MUTE
Q 3021	IC	NJM78L05UA	5V Regulator
Q 3022	Transistor	RT1N241M	Switch for flash mode
Q 3024	Not Used		
Q 3025	Transistor	RT1N241M	Volume Control ON/OFF
Q 3026	Transistor	RT1N241M	Power Switch Control
Q 3027	Transistor	RT1N241M	Power Down Detect
Q 3028	Transistor	2SB1132	Power Switch
Q 3029	Transistor	2SB1132	LED Switch
Q 3030	Transistor	UMW1N	Brightness Control
Q 3031	Transistor	2SB1132	Power Switch
Q 3033	Transistor	IMH6A	Power Switch Control
Q 3038	Transistor	IMX1	AGC AMP
Q 3039	IC	NJM2902V	MIC AMP
Q 3040	Transistor	IMZ1	BUFF
Q 3043	IC	TC4S66F	Analog Switch
Q 3044	Not Used		
D 3005	Diode	1SS226	AGC rectification
D 3006	Diode	DAP202U	FLASH MPU Writing
D 3008	Diode	MC2848	DC Switch
D 3010	LED	TLOU1008	LED for illumination
D 3011	LED	TLOU262	LED for illumination
D 3012	LED	TLOU1008	LED for illumination
D 3013	LED	TLOU262	LED for illumination
D 3015	LED	GL3HS44	LED Indicator
D 3016	LED	GL3PR8	LED Indicator
D 3017	LED	GL3KG8	LED Indicator
D 3018	Diode	MC2850	Protection of Static electricity
D 3019	Diode	MC2850	Protection of Static electricity
D 3020	Diode	BAS316	Reverse Voltage Protecion
D 3021	Diode	BAS316	Reverse Voltage Protecion
D 3022	Diode	BAS316	Reverse Voltage Protecion
D 3023	Diode	BAS316	Reverse Voltage Protecion