

VX-3200U COMPONENT APPLICATIONS

Address	Device name	Description	Application
[RF-UNIT]			
D 1001	Diode	RLS135 TE-11	RF Limiting
D 1002	Diode	BAS316	RF Limiting
D 1003	Diode	MC2850-T11-1	Temp. Comp.
D 1004	Diode	P6KA18	Reverse Voltage Protection
D 1005	Diode	UM9957F/TR	Antenna Switch
D 1006	Diode	BAS316	APC Switch
D 1007	Diode	UM9957F/TR	Antenna Switch
D 1008	Varactor Diode	HVC358B(TAPE)	BPF Tune
D 1009	Diode	BAS316	APC
D 1010	Varactor Diode	HVC358B(TAPE)	BPF Tune
D 1011	Diode	HSM88AS TR	Power Detector
D 1012	Diode	HSM88AS TR	Power Detector
D 1013	Varactor Diode	HVU306A5TRF	RX VCO
D 1014	Varactor Diode	HVU306A5TRF	RX VCO
D 1015	Varactor Diode	1SV276(TPH3)	TX VCO
D 1016	Varactor Diode	1SV276(TPH3)	TX VCO
D 1017	Varactor Diode	1SV214 TPH	TX MOD
D 1018	Varactor Diode	HVC358B(TAPE)	BPF Tune
D 1019	Varactor Diode	HVC358B(TAPE)	BPF Tune
D 1020	Varactor Diode	HVU300A-TR	Temp. Control for PLL REF
D 1021	Not Used		
D 1022	Diode	1SS321 TE85R	Tx/Rx RF Switch
D 1023	Varactor Diode	HVU359TRF	Temp. Control for PLL REF
D 1024	Diode	MC2848-T11-1	2nd IF Filter Switch
D 1025	Diode	GN2011-Q(TX)	Mixer
D 1026	Diode	MC2848-T11-1	2nd IF Filter Switch
D 1027	Diode	BAS316	Temp. Control for TX Driver
D 1028	Diode	HZU5ALL-TR	Protection
D 1029	Varactor Diode	HVU359TRF	TX MOD
D 1501	Diode	MC2850-T11-1	Protection
D 1502	Diode	MC2850-T11-1	Protection
D 1503	Diode	MC2850-T11-1	Protection
D 1504	Diode	BAS316	External PTT
D 1505	Diode	D1F20-4063	Protection
D 1506	Diode	MC2850-T11-1	SQ Noise Detector
D 1507	Diode	MC2850-T11-1	SQ Noise Detector
D 1508	not used		
Q 1001	Transistor	2SC4154-T11-1E	Clock Triple
Q 1002	Transistor	2SC4154-T11-1E	DC AMP
Q 1003	IC	M5223AGP 600C	APC COMP
Q 1004	IC	MM1216ENRE	9V Regulator
Q 1005	Transistor	2SB1201S-TL	9V Regulator
Q 1006	Transistor	RT1N241M-T11-1	Tx Power Control
Q 1007	Transistor	2SC4154-T11-1E	VCO 9V Regulator
Q 1008	IC	DTB123EK T146	Rx 9V Switch
Q 1009	Transistor	2SB1132 T100 R	Tx 9V Switch
Q 1010	Transistor	IMH6A T108	Tx/Rx Switch
Q 1011	Transistor	2SC4227-T2 R34	RF Amplifier
Q 1012	Transistor	RT1N241M-T11-1	MOD Mute Switch
Q 1013	Transistor	2SK508-T2B K52	RX Voltage Control Oscillator
Q 1014	IC	RA45H4452M	RF Power MODULE
Q 1015	Transistor	2SC4226-T2B R24	TX Voltage Control Oscillator
Q 1016	Transistor	RT1N241M-T11-1	RX VCO Switch
Q 1017	Transistor	IMH6A T108	TX VCO Switch
Q 1018	Transistor	2SC5107-O(TE85R)	Buff AMP
Q 1019	IC	M5223AGP 600C	AF Modulation
Q 1020	Transistor	2SC5107-O(TE85R)	Buff AMP
Q 1021	Transistor	2SC5107-O(TE85R)	Buff AMP
Q 1022	Transistor	RT1N241M-T11-1	Temp. Control Switch
Q 1023	IC	MB15A02PFV1-G-BND-EF	PLL Subsystem
Q 1024	IC	NJM78L05UA TE1	5V Regulator
Q 1025	Transistor	2SC5415E-TD	Tx Driver AMP
Q 1026	Transistor	2SC5107-O(TE85R)	Tx Driver AMP
Q 1027	Transistor	2SC4116GR TE85R	Reference Oscillator
Q 1028	IC	TA31136FN(EL)	IF Subsystem
Q 1029	Transistor	2SC4215Y TE85R	IF AMP
Q 1030	Transistor	RT1N241M-T11-1	Wide/Narrow Switch
Q 1031	Transistor	2SA1602A-T11-1F	Rx Wide/Narrow Switch
Q 1032	Transistor	2SC4154-T11-1E	DC AMP
Q 1033	Transistor	2SC4154-T11-1E	Tx Power Control
Q 1034	Transistor	2SC4154-T11-1E	Charge Pump
Q 1035	Transistor	2SA1162GR TE85R	Charge Pump
Q 1036	Transistor	2SC2712GR TE85R	Charge Pump
Q 1037	Transistor	2SC4215Y TE85R	Mixer AMP

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D 1038	IC	GN2011-Q(TX)	Mixer
Q 1501	Transistor	2SC4154-T11-1E	5V Regulator
Q 1502	Transistor	RT1N241M-T11-1	SB Switch
Q 1503	IC	NJM2902V-TE1	AF AMP/SQL
Q 1504	Transistor	2SD1368CB TL	H_A/IG Switch
Q 1505	Transistor	2SC4116GR TE85R	H_A/IG Switch
Q 1506	Transistor	RT1N241M-T11-1	IG Switch
Q 1507	Transistor	RT1N241M-T11-1	H_A Switch
Q 1508	Transistor	PDTC114TE	AF Mute
Q 1509	IC	TDA2003H	AF Power AMP
Q 1510	Transistor	PDTC114TE	SQL Switch
Q 1511	Transistor	2SB1301-T2 ZQ	AF Power AMP Switch
Q 1512	Transistor	RT1N241M-T11-1	AF Power AMP Switch
Q 1513	IC	S-93C56AMFN-TB	Programmable Data Store
Q 1514	Not Used		
Q 1515	FET	2SJ125D-T12-1D	AF Mute
[PANEL-UNIT]			
D 2001	Diode	DA221	Protector
D 2002	Diode	DA221	Protector
D 2003	Diode	DA221	Reset
D 2004	LED	BRPG1211C	RX/TX LED
D 2005	Diode	DA221	Protector
D 2006	LED	TLOU262	Back Light LED
D 2007	Diode	MA2S111	Protector
D 2008	LED	TLOU262	Back Light LED
D 2009	Diode	DA221	PSK Detector
D 2010	Diode	MA2S111	Protector
D 2011	Diode	MC2846	Protector
D 2012	Diode	DA221	Protector
D 2013	Diode	DA221	DCS Detector
D 2014	Diode	MA2S111	Switch
D 2015	Diode	MA2S111	KEY Matrix Switch
D 2016	Diode	MA2S111	KEY Matrix Switch
D 2017	Diode	MA2S111	KEY Matrix Switch
D 2018	Not Used		
D 2019	Not Used		
D 2020	Not Used		
D 2021	Not Used		
D 2022	Not Used		
D 2023	Not Used		
D 2024	Not Used		
D 2025	Not Used		
D 2026	Not Used		
D 2027	Diode	MA2S111	KEY Matrix Switch
D 2028	Diode	MA2S111	KEY Matrix Switch
D 2029	Diode	MA2S111	KEY Matrix Switch
D 2030	Diode	MA2S111	KEY Matrix Switch
D 2031	Diode	MA2S111	KEY Matrix Switch
D 2032	Diode	MA2S111	KEY Matrix Switch
Q 2001	Transistor	2SC4617	RESET Switch
Q 2002	Transistor	2SC4617	RXD Switch
Q 2003	Transistor	S-80735SN	Power Down
Q 2004	Transistor	2SC4617	RESET
Q 2005	Transistor	2SC4617	TXD Switch
Q 2006	Transistor	NJM78L05UA	5V Regulator
Q 2007	Transistor	2SC4617	Clock Shift
Q 2008	Transistor	RT1N241M	LAMP LED Drive
Q 2009	Transistor	RT1P441U	SEL Switch
Q 2010	Transistor	RT1N241M	RX LED Drive
Q 2011	Not Used		
Q 2012	Not Used		
Q 2013	IC	LC87F72C8A-F5N19	Microprocessor
Q 2014	IC	M62364FP 600D	D/A Converter
Q 2015	IC	NJM2902V	AF AMP/Pre-Emphasis/PSK Detect
Q 2016	IC	IC AK2345(TAPE)	Base Band IC
Q 2017	IC	IC LA8630M	Compander
Q 2019	Transistor	PDTC144EE	Compander Switch
Q 2020	Transistor	2SC4617	DCS Encode
Q 2021	IC	NJM2902V	DCS Decode Detect/DCS Encode Filter/ D/A Converter Reference
Q 2022	IC	NJM2902V	DTMF Encode/AF AMP/De-Emphasis
Q 2024	IC	BU4066BF	Analog Switch
Q 2025	Transistor	RT1N241M	TX LED Drive