

GX1256S Component Application

Address	Device name	Description	Application
[MAIN-UNIT]			
D1001	Diode	1N5402	Reverse Voltage Protection
D1002	Diode	1SS321	Power Detector
D1003	Diode	XB15A308	Antenna Switch
D1004	Diode	XB15A308	Antenna Switch
D1005	Diode	1SS302	RF Over Input Protection
D1006	Diode	DAN235U	Tx/Rx RF Switch
D1007	Zener Diode	HZU5ALL	Charge Pump
D1008	Diode	1SS302	Charge Pump
D1009	Varactor Diode	HVC306B	VCO
D1010	Varactor Diode	HVC306B	Tx Modulation
D1011	Varactor Diode	HVC306B	VCO
D1012	Varactor Diode	HVC306B	VCO
D1013	Varactor Diode	HVC306B	VCO
D1014	Varactor Diode	HVC306B	VCO
D1015	Zener Diode	UDZS5.6B	RX 5V Regulator
D1016	Diode	MC2850	Noise Detector
D1017	Diode	MC2850	Noise Detector
Q1001	IC	NJM2904V	APC AMP
Q1002	IC	NJM12902V	MIC AMP, Limitter, Low Pass Filter, AF Comparator
Q1003	IC	NJM2904V	AF AMP
Q1004	Transistor	2SB1301-ZQ	RAM DC Switch
Q1005	Transistor	2SB1301-ZQ	MAIN DC Switch
Q1006	IC	NJM7808FA	8V Regulator
Q1007	Transistor	DTA144EE	APC 5V Switch
Q1008	Transistor	RT1N441U	Tx Power Mute Switch
Q1009	Transistor	RT1N441U	RAM DC Switch
Q1010	Transistor	RT1N241M	MAIN DC Switch
Q1011	IC	NJM78M05DL1A	5V Regulator
Q1012	IC	RA35H1516M-01	RF Power MODULE
Q1013	Transistor	DTB123EK	Tx 8V Switch
Q1014	Transistor	2SA1602A-F	Rx 8V Switch
Q1015	Transistor	RT1N441U	Tx 8V Switch
Q1016	Transistor	RT1N441U	Rx 8V Switch
Q1017	Transistor	2SC3357-RF	Tx Buff AMP
Q1018	Transistor	RT1N441U	Tx Power Selector
Q1019	Transistor	2SC5006	Rx RF AMP
Q1020	IC	BU4094BCFV	Shift Register
Q1021	Transistor	2SC4154E	Ripple Filter
Q1022	Transistor	RT1N441U	VCO Tx/Rx Switch
Q1023	Transistor	RT1N241M	VCO Tx/Rx Switch
Q1024	Transistor	2SC4154E	2nd Local Buff AMP
Q1025	Transistor	2SC5006	VCO Buff AMP
Q1026	Transistor	RT1N441U	VCO Tx/Rx Switch
Q1027	Transistor	DTA144EE	UNLOCK Detector
Q1028	IC	MB15A02PFV1	PLL Subsystem
Q1029	Transistor	2SC5006	Tx VCO
Q1030	FET	2SK520-K41	Rx VCO
Q1031	FET	3SK320	Mixer
Q1032	Transistor	2SA1162GR	Charge Pump
Q1033	Transistor	2SC2712GR	Charge Pump
Q1034	Transistor	RT1N441U	Modulation Mute Switch
Q1035	Transistor	2SC4400-3	IF AMP
Q1036	IC	BU4066BCFV	AF Mute Switch, MIC Mute Switch, Intercom Switch
Q1037	IC	TA31136FN	IF Subsystem
Q1038	Transistor	2SC4154E	AF High Pass Filter
Q1039	Transistor	2SC4154E	AF Low Pass Filter
Q1040	Transistor	RT1N241M	AF Mute Switch
Q1041	IC	BU4053BCFV	MIC Selector, RAM AF Selector, Intercom AF Selector
Q1042	Transistor	2SC4154E	Noise Detector
Q1043	IC	NJM2211M	FSK Decoder
Q1044	IC	LA4425A	AF Power AMP

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[CNTL-UNIT]			
D2001	Zener Diode	HZM27WA	Protector
D2002	Zener Diode	HZM27WA	Protector
D2003	Diode	1SS355	Protector
D2004	LED	FY1111C-727	Backlit LED
D2005	LED	FY1111C-727	Backlit LED
D2006	LED	FY1111C-727	Backlit LED
D2007	LED	FY1111C-727	Backlit LED
D2008	LED	FY1111C-727	Backlit LED
D2009	LED	FY1111C-727	Backlit LED
Q2001	IC	HD64F2266TF13	CPU
Q2002	IC	TC7W14FU	Schmitt Inverter (TxD, RxD, NMEA OUT)
Q2003	IC	NJM78L05UA	5V Regulator
Q2004	Transistor	RT1N441U	Comparator
Q2005	IC	PST597CN	Reset
Q2006	Transistor	RT1N441U	RxD Driver
Q2007	Transistor	2SA1602A-F	TxD Driver
Q2008	Transistor	2SC4154E	TxD Driver
Q2009	IC	BR24L64F-W	Memory
Q2010	IC	TLP281	Photo Coupler
Q2011	Transistor	2SA1602A-F	NMEA Buff AMP
Q2012	Transistor	2SC4154E	NMEA Buff AMP
Q2013	Transistor	2SC4154E	NMEA AMP
Q2014	Transistor	RT1N441U	NMEA AMP
Q2015	Transistor	2SC4154E	LCD Contrast Driver
Q2016	Transistor	2SC4154E	Backlit Driver
Q2017	Transistor	CPH6102	Backlit Driver
Q2018	Transistor	DTA144EE	RxD Driver