

Address	Device name	Description	Application
[MAIN-UNIT]			
Q 1001	Transistor	2SC4154E	Tx Power Control
Q 1002	Transistor	2SB1143S	Tx Power Control
Q 1003	Transistor	2SB1201STP	9V Regulator
Q 1004	Transistor	RT1N241M	Tx Power Control
Q 1005	IC	DTB123EK	Rx 9V Switch
Q 1006	Transistor	2SB1132R	Tx 9V Switch
Q 1007	IC	M5223AGP	BPF Tune Buff/APC COMP
Q 1008	Transistor	2SC4154E	VCO 9V Regulator
Q 1009	Transistor	IMH6	Tx/Rx Switch
Q 1010	Transistor	2SC4226	IF AMP
Q 1011	Transistor	RT1N241M	MOD Mute Switch
Q 1012	Transistor	2SC4227	RF Amplifier
Q 1013	IC	M68769	RF PWR-MODULE
Q 1014	Transistor	2SC4226	TX Voltage Control Oscillator
Q 1015	Transistor	2SK508	RX Voltage Control Oscillator
Q 1016	Transistor	RT1N241M	RX VCO Switch
Q 1017	Transistor	IMH6	TX VCO Switch
Q 1018	Transistor	2SC5107-O	Buff AMP
Q 1019	Transistor	2SC5107-O	Buff AMP
Q 1020	Transistor	2SC2954	Tx Driver AMP
Q 1021	Transistor	2SC4227	RF Amplifier
Q 1022	Transistor	2SC5415E	Tx Driver AMP
Q 1023	IC	NJM78L05UA	5V Regulator
Q 1024	IC	SA7025DK	PLL Subsystem
Q 1025	Transistor	2SC4227	RF Amplifier
Q 1026	IC	TA31136FN	IF Subsystem
Q 1027	Transistor	2SC4116GR	Reference Oscillator
Q 1028	Transistor	RT1N241M	Rx Wide/Narrow Switch
Q 1029	IC	NJM2902V	DCS Modulation
Q 1030	IC	MM1216ENRE	9V Regulator
Q 1031	Transistor	2SC5107-O	Buff AMP
Q 1032	Transistor	RT1N241M	Rx Wide/Narrow Switch
Q 1033	Transistor	2SC4116GR	Buff AMP
Q 1034	Transistor	RT1N241M	Wide/Narrow Switch
Q 1035	IC	NJM062MD	PLL Filter
Q 1036	Transistor	RT1N241M	DCS Switch
Q 1037	Transistor	2SC4226	IF AMP
Q 2001	IC	NJM2902V	Emphasis/IDC/LPF/MIX
Q 2002	Transistor	IMZ1	Analog Switch
Q 2003	IC	NJM2902V	RSSI/SQL/LPF
Q 2004	Transistor	RT1N241M	Analog Switch
Q 2005	Transistor	RT1N241M	Analog Switch
Q 2006	Transistor	DTC323TK	Analog Switch
Q 2007	IC	BU4066BF	Analog Switch
Q 2008	Transistor	RT1N241M	MIC Mute Switch
Q 2009	Transistor	IMX1	Analog Switch
Q 2010	Not Used		
Q 2011	Transistor	RT1N241M	AF Mute
Q 2012	Transistor	RT1N241M	AF Mute
Q 2013	IC	MX165CDW	CTCSS Encoder/Decoder
Q 2014	IC	CXA1846N	AF Volume
Q 2015	Transistor	DTB123EK	Analog Switch
Q 2016	IC	BU4053BCF	Analog Switch
Q 2018	Transistor	2SC4154E	Clock Freq. Shift switch
Q 2019	IC	MB90F583B	Microprocessor
Q 2020	Transistor	2SJ327-Z	Power Supply Switch
Q 2024	IC	NJM78L05UA	5V Regulator
Q 2025	Transistor	2SA1602A-F	Power Down detect
Q 2026	Transistor	RT1N241M	Power Down detect
Q 2027	IC	S-80735SN-DZ	CPU Reset
Q 2028	IC	HN58X2432TI	Programmable Data Stor
Q 2029	IC	TDA7240AV	AF Power AMP
Q 2108	IC	NJM2902V	Emphasis /AF AMP
Q 2110	IC	NJM2902V	LPF
Q 2111	Transistor	RT1N241M	Analog Switch
Q 2112	Transistor	IMD3	Analog Switch
Q 2114	Transistor	RT1N241M	EXT SQ Switch
Q 2115	Transistor	IMD3	Analog Switch
Q 2116	Transistor	RT1N241M	Analog Switch
Q 2117	IC	TC4W53FU	Analog Switch

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Q 2118	Transistor	RT1N241M	Analog Switch
Q 2119	Transistor	RT1N241M	AF Switch
Q 2120	Transistor	RT1N241M	Analog Switch
Q 2121	Transistor	RT1N241M	Analog Switch
Q 2122	Transistor	RT1N241M	Analog Switch
Q 2129	Not Used		
Q 2131	Not Used		
D 1001	Diode	RLS135	Antenna Switch
D 1002	Diode	BAS316	RF Limiting
D 1003	Diode	P6KA18	Reverse Voltage Protecion
D 1004	Diode	HSB88WS	Rx Mixer
D 1005	Diode	BAS316	APC Switch
D 1012	Varactor Diode	HVU350TRF	BPF Tune
D 1013	Varactor Diode	HVU350TRF	BPF Tune
D 1015	Varactor Diode	1SV229	TX VCO
D 1016	Varactor Diode	1SV229	TX VCO
D 1019	Varactor Diode	1SV230	TX MOD
D 1020	Varactor Diode	HVU350TRF	BPF Tune
D 1021	Not Used		
D 1022	Varactor Diode	HVU350TRF	BPF Tune
D 1024	Diode	1SS321	RF Switch
D 1026	Diode	DAN235K	2nd IF Filter Switch
D 1027	Diode	HZM5.6NB2	5V Supply
D 1028	Diode	DAN235K	2nd IF Filter Switch
D 1029	Varactor Diode	HVU350TRF	DCS MOD
D 1030	Varactor Diode	1SV230	Temp. Comp.
D 1032	Diode	BAS316	Temp. Comp.
D 1033	Diode	MC2850	Temp. Comp.
D 1034	Diode	BAS316	APC Switch
D 1035	Diode	DAN235K	1st IF Filter Switch
D 1036	Diode	DAN235K	1st IF Filter Switch
D 1037	Varactor Diode	1SV229	RX VCO
D 1038	Varactor Diode	1SV229	RX VCO
D 1039	Varactor Diode	1SV229	RX VCO
D 1040	Varactor Diode	1SV229	RX VCO
D 1041	Not Used		
D 1042	Varactor Diode	1SV229	TX VCO
D 2001	Diode	MC2846	External PTT
D 2002	Diode	MC2850	Detector
D 2003	Diode	MC2850	SQ Noise Detector
D 2004	Diode	MC2850	Temp. Comp.
D 2005	Diode	BAS316	CTCSS Detector
D 2006	Diode	MC2850	limitter
D 2007	Diode	MC2846	DC Switch
D 2010	Diode	MC2850	Protecion
D 2011	Diode	BAS316	Reverse Current Protecion
D 2012	Diode	BAS316	Reverse Current Protecion
D 2013	Diode	BAS316	Reverse Current Protecion
D 2014	Diode	BAS316	Switch
D 2015	Diode	BAS316	Switch
[DISPLAY-UNIT]			
Q 3001	IC	LC75823W	LCD Driver
Q 3002	Not Used		
Q 3003	Transistor	RT1N241M	Mic Mute
Q 3004	Transistor	IMZ1	Line Buff
Q 3005	Transistor	RT1N241M	DATA Line Mute
Q 3006	Not Used		
Q 3007	Transistor	IMD3	Buff
Q 3008	Transistor	RT1N241M	Mic Mute
Q 3009	Transistor	RT1N241M	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
Q 3015	Transistor	IMH6A	Switch for flash mode
Q 3016	IC	S-80735SN	Microprocessor Reset
Q 3017	Transistor	2SA1602A	Power Down Detect
Q 3018	Not Used		
Q 3019	Transistor	2SC4154	Clock Freq. Shift switch

Address	Device name	Description	Application
Q 3020	Transistor	RT1N241M	AF MUTE
Q 3021	IC	NJM78L05UA	5V Regulator
Q 3022	Transistor	RT1N241M	Switch for flash mode
Q 3023	Not Used		
Q 3024	Transistor	RT1N241M	Panel Interface Detect
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 3032	Not Used		
Q 3033	Transistor	IMH6A	Power Switch Control
Q 3034	Not Used		
Q 3035	Not Used		
Q 3036	Not Used		
Q 3037	Not Used		
Q 3038	Transistor	IMX1	AGC AMP
Q 3039	IC	NJM2902V	MIC AMP
Q 3040	Transistor	IMZ1	BUFF
Q 3041	Not Used		
Q 3042	Not Used		
Q 3043	IC	TC4S66F	Analog Switch
D 3001	Not Used		
D 3002	Not Used		
D 3003	Not Used		
D 3004	Not Used		
D 3005	Diode	1SS226	AGC rectification
D 3006	Diode	DAP202U	FLASH MPU Writing
D 3007	Not Used		
D 3008	Diode	MC2848	DC Switch
D 3009	Not Used		
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 3014	Not Used		
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