

TM833USL Function of Devices

Reference	Type	Function
U01	IC MC34063AD----- DDC- SOIC-8 ONSEMI ROHS	Switching Regulators
U02	SMT IC LM324DT SO14	Charger Control
U03	IC TL431IDBVR----- REG- SOT23- TI ROHS	Voltage reference
U1	SMT IC BA4116FV	Demodulation
U2	IC SIT8825B01-R090 FSYN 16-TSSOP-0044 SAMSUNG ROHS	PLL
U3	IC NJM2904V----- OPA- SSOP8- JRC ROHS	TX Power Control
U4	SMT IC HT9032D-SOP-A	NOAA Decode
U5	IC M38C29FFAHP60K- FLAH64P6Q-A RENESAS ROHS	MCU
U6	SMT IC XC61FC4012MR	MCU Reset IC
U7	IC NJM324V----- OPA- SSOP14 JRC ROHS	Audio 300Hz Low Pass Filter
U8	IC NJM324V----- OPA- SSOP14 JRC ROHS	Audio 300Hz Hi Pass Filter
U9	IC NJM324V----- OPA- SSOP14 JRC ROHS	MIC Amplifier
U10	IC NJM2904V----- OPA- SSOP8- JRC ROHS	Weather 1050Hz filter
U11	SMT IC AT24C16AN-10SI-2.7 EEP ROM	Eeprom
U12	SMT IC XC6204B502MR	Voltage Regulator
U13	SMT IC 74HC4053PW	Audio Switch
U14	SMT IC NJM2070	Audio Amplifier
U401	LCD DRIVER IC HT1621-DAF	LCD Driver
U402	IC ISD1730X----- COD- DIE--- WINBOND SMD ROHS	Audio Recorder
Q02	TRS BJN SS SOT-23 MMBT3904LT1 ROHS	Power Switch Driver
Q03	TRS SIPMOS SOT-223 BSP613P SMALL-SIGNAL EDAL INFINEON	Power Switch
Q04	TRS BJN SS SOT-23 MMBT3904LT1 ROHS	Green LED Switch
Q05	TRS BJN SS SOT-23 MMBT3904LT1 ROHS	Red LED Switch Driver
Q06	TRS BJN SS SOT-23 MMBT3904LT1 ROHS	Red LED Switch
Q1	TRS MFN RF 2-5N1A 2SK3476----- TE12L Q TOSHIBA	RF Power Out Amplifier
Q2	SMT FET 2SK3078	RF Power Out Driver
Q3	SMT TRANSISTOR 2SC4901YK	VHF Low Noise Amplifier
Q4	SMT TRANSISTOR 2SC4901YK	VHF Predriver
Q5	SMT TRANSISTOR 2SC4901YK	VHF Buffer
Q6	TRS BJN SS SSM--- 2SC5066----- TOSHIBA (120-240)	IF Amplifier
Q8	TRS BJN SS SSM--- 2SC5066----- TOSHIBA (120-240)	UHF Mixer
Q9	SMT TRANSISTOR 2SC4901YK	UHF Predriver
Q10	SMT TRANSISTOR 2SC4901YK	UHF Buffer
Q11	TRS BJN SS SSM--- 2SC5066----- TOSHIBA (120-240)	UHF VCO Buffer
Q12	TRS BJN SS SSM--- 2SC5066----- TOSHIBA (120-240)	VHF VCO Buffer
Q13	TRS BJN SS SSM--- 2SC5066----- TOSHIBA (120-240)	UHF VCO
Q15	TRS MFN RF SC-82AB 3SK318 HITACHI	VHF Mixer
Q16	SMT FET 2SK302G	VHF RX VCO
Q17	SMT TRANSISTOR FMA8A-T148	VHF VCO Vcc Switch

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Q18	SMT TRANSISTOR FMA8A-T148	UHF or VHF Rx Vcc switch
Q19	TRS BJP SS SOT416 PDTA143ZE--- PHILIPS ROHS	RX 5V Switch
Q20	SMT FET 2SK210Y	VHF TX VCO
Q21	TRS BJP SS SOT416 PDTA143ZE--- PHILIPS ROHS	UHF VCO Vcc Switch
Q22	TRS BJP SS SOT416 PDTA143ZE--- PHILIPS ROHS	Wide/Narrow Band Switch
Q23	SMT TRANSISTOR 2SC4097R	Motor Driver
Q24	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	UHF/VHF Band TX Switch
Q25	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	UHF/VHF Band TX Switch
Q26	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	UHF VCO TX/RX switch
Q27	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	DCS/CTCSS shape
Q28	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	MIC Mute
Q29	SMT TRANSISTOR 2SA1577Q(2SA197 9U)	Extern PTT Detect
Q30	SMT TRANSISTOR 2SA1577Q(2SA197 9U)	Audio Switch
Q31	SMT TRANSISTOR 2SA1577Q(2SA197 9U)	AUDIO Power Converter
Q32	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	TX Inhibit Control
Q33	SMT TRANSISTOR 2SC4097R	5V VCC regulator
Q34	SMT TRANSISTOR 2SC4097R	AUDIO Power Converter
Q35	SMT TRANSISTOR 2SC4097R	AUDIO Power Converter
Q36	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	Call Wave Shape
Q37	TRS BJN SS SOT416 PDTC143ZE--- PHILIPS ROHS	TX APC Switch
Q38	SMT TRANSISTOR 2SA1363	5V VCC regulator
Q39	SMT TRANSISTOR 2SA1577Q(2SA197 9U)	UHF TX 5V Switch