

# TM308USL Function Of Devices

No.	Reference	Type	Function
1	U1	RA35H1516M	RF POWER AMPLIFIER
2	U2	BA4116FV	IF AMPLIFIER AND DEMODULATOR
3	U3	SIT8825B01	PLL IC
4	U4	LM2904D	AUTO RF POWER CONTROL AMPLIFIER
5	U5	AT24C64AN	EEPROM
6	U6	XC61CN2702MR	CPU RESET IC
7	U7	DSPIC33FJ128GP206	MAIN CPU
8	U8	LM2904D	TX MIC/FSK FILTER
9	U9	74HC4053PW	ELECTRIC SWITCH
10	U10	LM2904D	TX MIC AMPLIFIER
11	U11	LM2904D	AF AMPLIFIER AND FILTER
12	U12	LM2904D	WX/NOAA FILTER
13	U13	LM2904D	AF/FSK FILTER
14	U14	LA4425A	AUDIO POWER AMPLIFIER
15	U15	NJM7805DL	5V REGULATOR
16	U16	NJM7808FA	8V REGULATOR
17	U17	ISD1730X	RECORDER IC
18	U18	LM2904D	FSK AMPLIFIER AND FILTER
19	U19	R1121N331B	3.3V REGULATOR
20	IC401	EPL65132A	LCD DRIVER
21	U501	SL5018	2ND IF AMPLIFIER AND DEMODULATOR
1	Q1	MPS8550S-D	LOCAL/DISTANCE SENSITIVITY CONTROL
2	Q2	2SC3356	TX RF DRIVE AMPLIFIER
3	Q3	2SC3356	TX RF DRIVE AMPLIFIER
4	Q4	MMBT3904	LOCAL/DISTANCE SENSITIVITY CONTROL
5	Q5	MMBT3904	TX POWER PROTECTION
6	Q6	MMBT3904	TX 8V CONTROL
7	Q7	MMBT3904	RX 8V CONTROL
8	Q8	MMBT3904	MIC MUTE
9	Q9	MMBT3904	BEEP CONTROL
10	Q10	2SC4097	RX MUTE
11	Q11	MMBT3904	MIC MUTE
12	Q13	MMBT3904	PA CONTROL
13	Q14	2SC4226	RF LNA
14	Q15	2SC4226	MIXER
15	Q16	2SC4901YK	IF AMPLIFIER
16	Q19	MPS8550S-D	TX 8V CONTROL
17	Q20	MPS8550S-D	RX 8V CONTROL
18	Q21	KTC9014S	GPS SIGNAL INPUT INVERT
19	Q22	KTC9014S	BACK-LIGHT LEVEL CONTROL
20	Q23	KTC9014S	BACK-LIGHT REGULATOR CONTROL

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21	Q24	KTC9014S	GPS SIGNAL INPUT CURRENT LIMITED
22	Q25	KTC9014S	ALARM AMPLIFIER
23	Q26	2SA1363	BACK LIGHT POWER ADJUST
24	Q27	MPS8550S-D	GPS SIGNAL OUTPUT INVERT
25	Q28	TLP180	GPS SIGNAL INPUT COUPLE
26	Q29	2SB1184	DC POWER SWITCH
27	Q601	MPS8550S-D	VCO DC POWER FILTER
28	Q602	2SC4901YK	VCO BUFFER AMPLIFIER
29	Q603	2SC3356	VCO OSCILLATOR
30	Q604	2SC4097	VCO TX/RX SWITCH
31	Q501	2SK302G	2ND RF LNA
32	Q502	2SC3839KN	2ND RX LOCAL OSCILLATOR
33	Q503	2SC3839KN	2ND RX IF AMPLIFIER
34	Q504	2SC3839KN	2ND RX LOCAL OSCILLATE AMPLIFIER
35	Q505	KTC9014S	2ND RX NOISE DETECT AMPLIFIER