



SERVICE MANUAL

TWO-WAY RADIO

TC-780

5-Tone Model

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General

Manual Scope

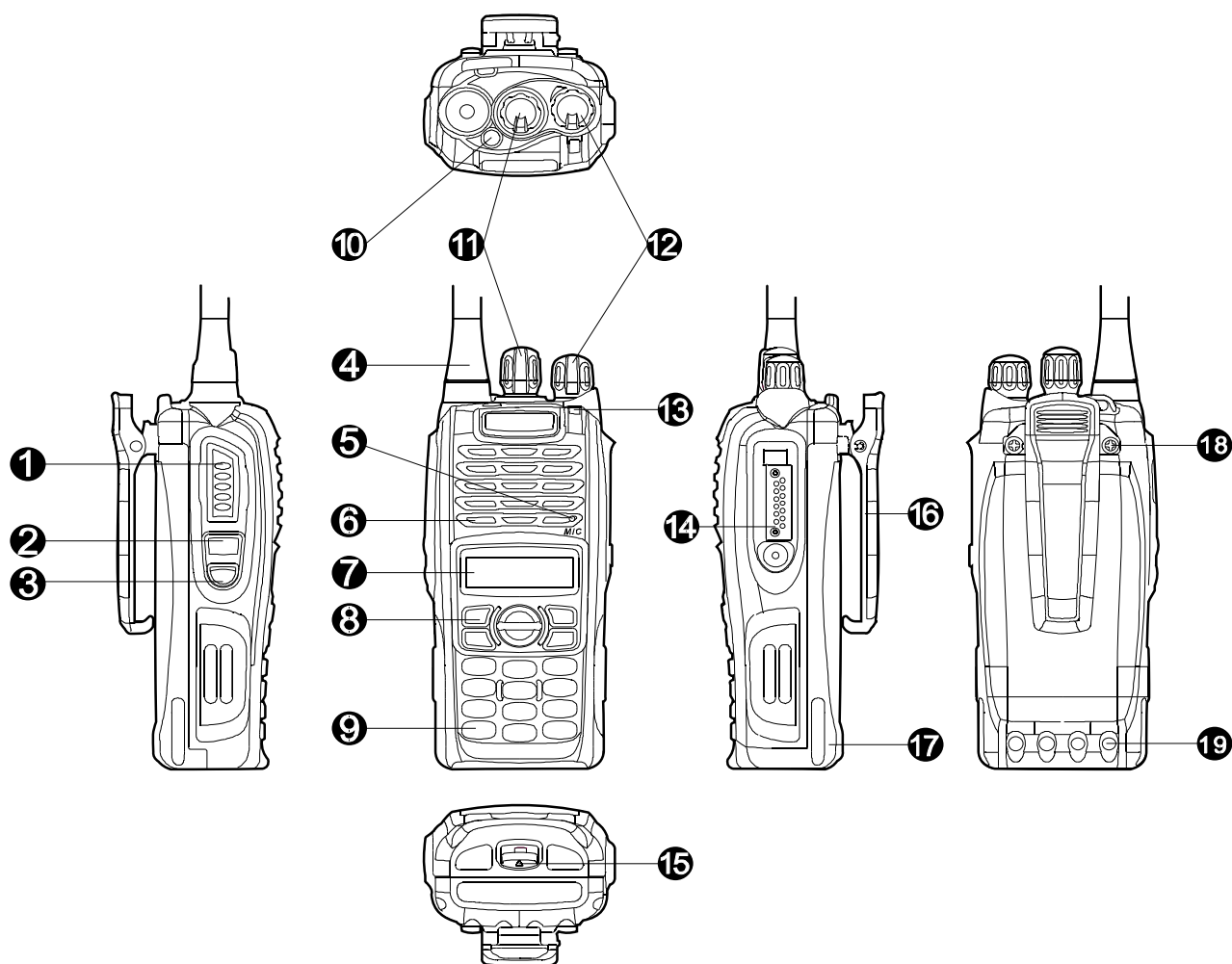
This manual is intended for use by experienced technicians familiar with similar types of communication equipment. It contains all service information required for the equipment and is current as of the publication date.

Safety and General Information

The following general safety precautions as would normally apply, should be observed during all phases of operation, service and repair of this equipment.

- ③ This equipment should be serviced by qualified technicians only.
- ③ Use only HYT supplied or approved antenna.
- ③ Turn off your radio prior to entering any area with a potentially explosive atmosphere.
- ③ To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so.
- ③ When instructed to do so, turn off your radio when on board an aircraft. Any use of a radio must be in accordance with airline regulations or crew instructions.
- ③ To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.
- ③ For vehicles with an air bag, do not place a radio in the area over an air bag or in the air bag deployment area.
- ③ Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.
- ③ Do not expose the radio to direct sunlight over a long time, nor place it close to heating source.
- ③ If you wear a radio on your body when transmitting, ensure that the radio and its antenna are at least 2.5cm away from your body.

Radio Overview



① PTT (Push-to-Talk) Key	② SK1 (Side Key 1)	③ SK2 (Side Key 2)	④ Antenna
⑤ Microphone	⑥ Speaker	⑦ LCD Display	⑧ Function Keypad
⑨ Numeric Keypad	⑩ TK (Top Key)	⑪ Channel Selector	⑫ Radio On-Off / Volume Control Knob
⑬ LED Indicator	⑭ Accessory Jack	⑮ Battery Latch	⑯ Belt Clip
⑰ Battery	⑱ Screw, Belt Clip	⑲ Charging Piece	

* PTT (Push-to-Talk) Key

Press and hold down the **PTT** key to transmit; release it to receive.

*** SK1 (Side Key 1)**

Programmable function key.

*** SK2 (Side Key 2)**

Programmable function key.

*** LCD Display**

Used to display radio status information.

*** Function Keypad**

③ **Exit key**

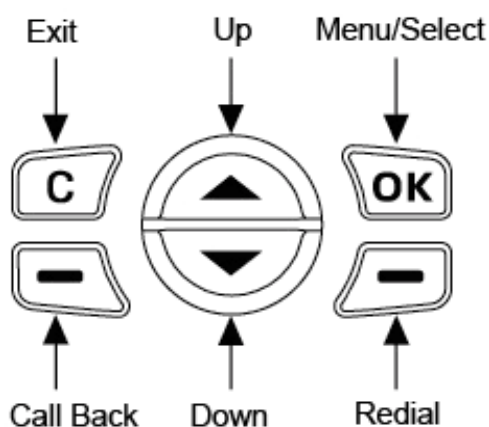
Use the **Exit** key to return to the previous menu.

③ **Up key**

③ **Down key**

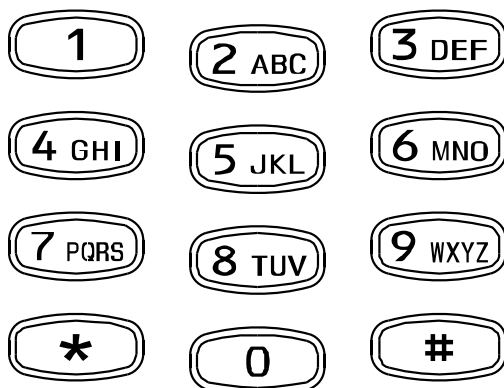
③ **Menu/Select key**

Used to enter the menu mode. When you are in the menu mode, this key is also used to make menu selections.



*** Numeric Keypad**

Used to enter information for programming the radio's lists.



*** TK (Top Key)**

Programmable function key.

*** Channel Selector Knob**

Rotate the knob to select a desired channel.

*** Radio On-Off/Volume Control Knob**

Rotate the knob clockwise to turn the radio on, and rotate the knob fully counter-clockwise until a click is heard to turn the radio off.

Turn the knob clockwise to increase the volume, or counter-clockwise to decrease the volume.

*** LED Indicator**

The following table indicates LED mode and corresponding radio status:

Status	LED
Transmit	Red
Receive	Green
Transmit Call Alert	Orange
Call Alert (5-Tone)	Flash orange (less frequently)
Missed Call Alert (5-Tone)	Flash orange (more frequently)
Call Alert (HDC2400™)	Flash orange (more frequently)
Selective Call Alert (HDC2400™)	Group call, zone call, broadcast: flash orange once; Individual call: flash orange twice
Scan	Flash green
Low Voltage	Flash red

*** Accessory Jack**

The jack is used to connect audio accessories, or other accessories such as programming cable.

Software Specifications

③ 256 Conventional Channels

③ 32 Zones

③ Password Protection

The function is designed for restricting the impermissible use of radio; the password includes power-on password and programming password.

③ CTCSS/CDCSS Encode/Decode

③ 5-TONE encode/decode, HDC2400 encode/decode and DTMF encode.

③ Channel Scan

In that channel scan is on, channels will be detected one by one according to certain sequence, which would receive the signal that fulfill the conditions of scan stop. The function includes: priority channel scan, nuisance channel delete, revert channel and voting scan Tx control; Tx options can be set as "always enable", "channel standby" and CTCSS matching.

③ Programmable Function Buttons

Six of the radio's buttons can be programmed as shortcut buttons for your most often used features.

③ Time-out Timer

User can limit the Tx time through setting the time-out timer. Selectable setting time is from 1 to 255s; by the function, you can realize battery save, decrease the event of channel blocking as well as the damage to the radio due to over-time transmission.

③ Emergency

Press the Emergency key to emit emergency alarm; repress the key to disable the function.

③ VOX

When user speaks to the speaker, radio would transmit your voice automatically without holding down PTT key if VOX is enabled.

③ Whisper

The function can be programmed to function key. By the function, user can increase the Mic gain value. At the time, the other party can hear a loud and clear voice from you even though you talk in a low voice.

③ Scrambler

The function can be enabled or disabled through the operation of the pre-programmed key. If scrambler is enabled in two radios, the third party will not intercept your talk and guarantee the privacy of the communication.

③ **Man Down**

There is a built-in optional man down accessory in TC-780. Once the function is activated, radio would enter emergency alarm mode if the radio is not held up within a preset time. 。

Description:

1. User Mode

This mode is for normal operation by end users.

2. All Reset Mode

Allows you to initialize tuning items, channel frequency, and conventional functions. See the Adjustment Description section for details.

3. Clone Mode

- a) Factory Wired Clone Mode
- b) Dealer Wired Clone Mode
- c) Factory Wireless Clone Mode
- d) Dealer Wireless Clone Mode

Press SK1 and PTT to enter clone mode; press SK2 to toggle between wired and wireless clone modes; press TK to toggle between factory and dealer modes.

4. Manual Adjust Mode

The purpose is to adjust deviation, power, sensitivity and squelch level.

Note: Before entering the mode, user should check the manual adjust mode in the programming software; once the programming operation begins, radio enters the mode. Refer to Adjustment Description for more details.

5. PC Adjust Mode

Allows you to adjust the radio manually or automatically via PC.

Circuit Description

Circuit Composition

The overall circuit is composed of PLL-VCO circuit, transmit circuit, receive circuit, baseband processing circuit, power supply circuit, and MCU control circuit.

Frequency Configuration

The receiver section utilizes double conversion. The first IF is 44.85MHz and the second IF is 455 KHz. The first local oscillator signal is supplied by PLL and VCO circuit. The second local oscillator signal is generated from TCXO (44.395MHz); The PLL and VCO circuit also generates the frequencies required by the transmit section.

1. Receive Circuit

Configuration of the receive circuit is shown in Figure 1.

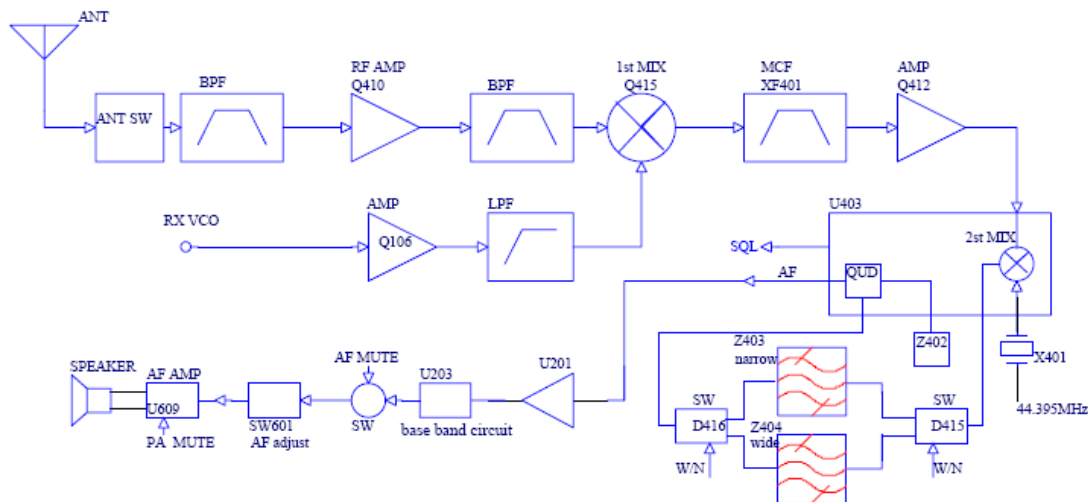


Figure 1 Receive Circuit

2. RF AMP BPF

The signal from antenna is amplified at RF amplifier (Q410) after passing through a transmit/receive switch circuit and a band pass filter. The amplified signal is filtered by a band pass filter to eliminate unwanted signals before it goes to the first mixer.

3. The First Mixer

The signal output by RF AMP BPF is mixed with the first local oscillator signal output by PLL frequency synthesizer at the first mixer (Q415) to create a 44.85 MHz first IF signal. The first IF signal is then fed

through a crystal filter (XF401) to further remove spurious signals.

4. IF Amplifier

The first IF signal is amplified by Q412 and then enters U403 (TA31136FN). The signal is mixed with the second local oscillator signal (44.395MHz) again to create a 455 KHz second IF signal, which passes through a ceramic filter (wide band: Z404; narrowband: Z403) to eliminate unwanted signals. The resulting signal is detected by U403 to output audio signal from Pin 9.

5. Audio Amplifier

The Rx audio signal output by U403 is amplified by U201, and then passes through the audio processor U203 (the received signalling is separated from the signal for decoding). The amplified signal then is fed to AF MUTE, volume switch SW601 (volume control) and Q615 (PA MUTE control). The resulting signal is finally fed to the audio amplifier U609 to output audio signal from speaker.

6. Squelch

Noise signal is derived from the Rx audio signal output by Pin 9 of U403, and is processed by U403 to produce an SQL level. The SQL level is then compared in CPU (U605) to generate a level which controls AF MUTE and PA MUTE. It controls Q204 and Q615 to enable or disable the audio path.

Transmit Circuit

The transmit circuit is composed of MIC circuit, frequency synthesizer, driver and final-stage power amplifier circuit, and the APC circuit.

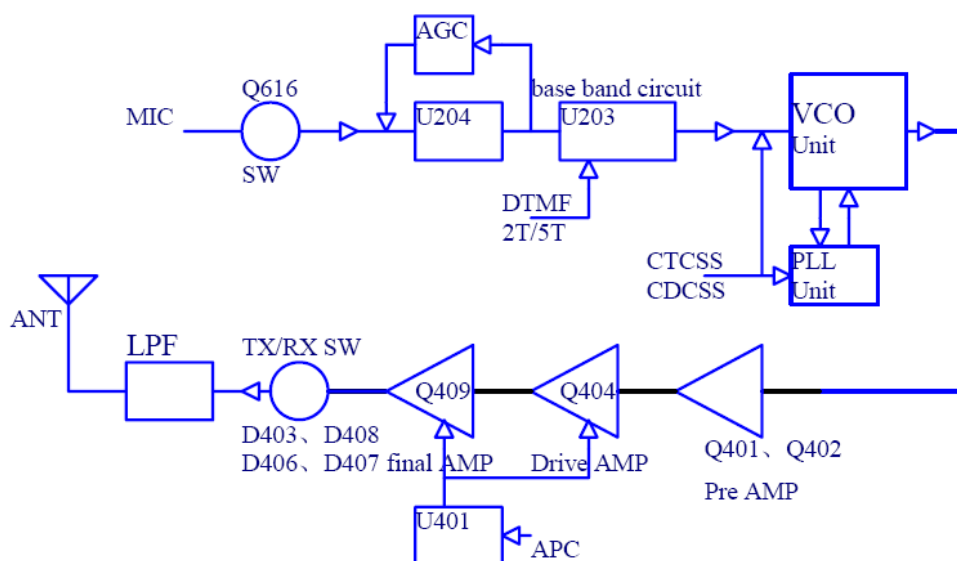


Figure 2 Transmit Circuit

1. MIC Circuit and Modulation Circuit

The audio signal from microphone is amplified by U204 after passing through the MIC control switch (Q616). The resulting signal is then amplified, pre-emphasized and etc by U203. Simultaneously, DTMF/2-Tone/5-Tone signalings generated by the MCU are amplified by U203, and then mixed with MIC audio signal, and finally fed to VCO for modulation.

2. Driver and Final-Stage Power Amplifier Circuit

RF signal from local oscillator circuit is amplified by Q401 and Q402. The amplified signal is fed to the driver stage Q404 and then the final-stage power amplifier (Q409) for amplification. The resulting signal then passes through LPF to filter harmonics before reaching the antenna for transmit.

3. APC

The automatic power control (APC) circuit stabilizes the transmit power by detecting the drain current of final-stage amplifier.

Frequency Synthesizer

PLL-VCO circuit generates frequency for receiving the first local oscillator signal and transmitting signals. PLL-VCO circuit consists of Tx frequency oscillator (Q103), Rx frequency oscillator (Q101), buffer amplifier (Q105), RF amplifier (Q107), PLL IC (U101), second harmonic circuit (Q108 and Q109) and Tx/Rx VCO control switch (Q111, Q112, Q110 and Q102).

In transmit mode, IC120 transmits the operating frequency data to PLL IC. PLL IC is turned on to activate Tx VCO. The outputted signal is amplified by Q703, Q124, and then divided by PLL IC (step: 2.5 KHz or 5 KHz, 6.25 KHz). The divided signal is compared with the reference signal from 16.8MHz crystal oscillator X101 (frequency stability: 2.5ppm) in the phase comparator. The frequency control voltage output from the phase comparator controls Tx VCO after passing through LPF. In the meantime, modulation signal (Tx) is passed to Tx VCO for frequency modulation.

The working principle in receive mode is similar to that in transmit mode.

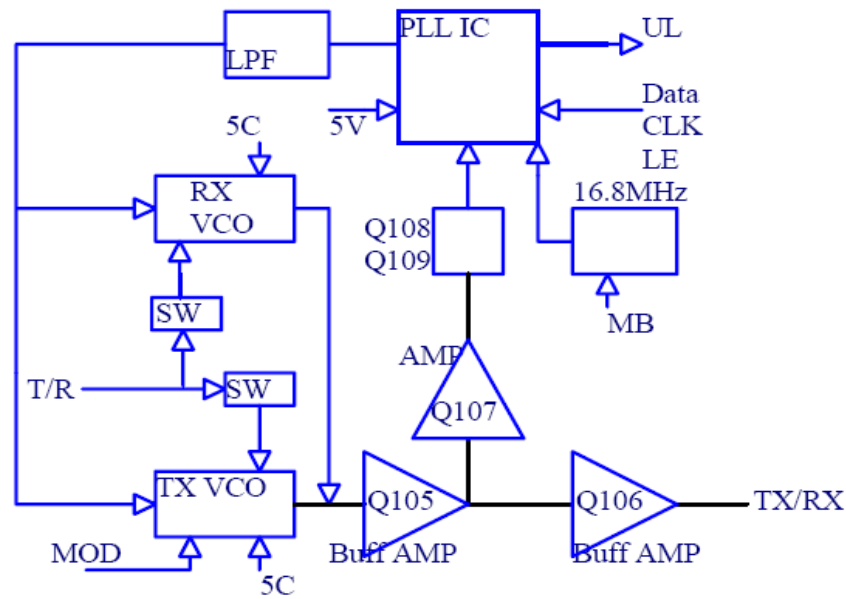


Figure 3 PLL Circuit

Control Circuit

The control circuit is comprised of MCU control circuit and power supply controller.

1. MCU

U605 (MCU) operates at 9.8304 MHz. The CPU controls data transmission among receive circuit, transmit circuit, control circuit, display circuit and peripheral circuit.

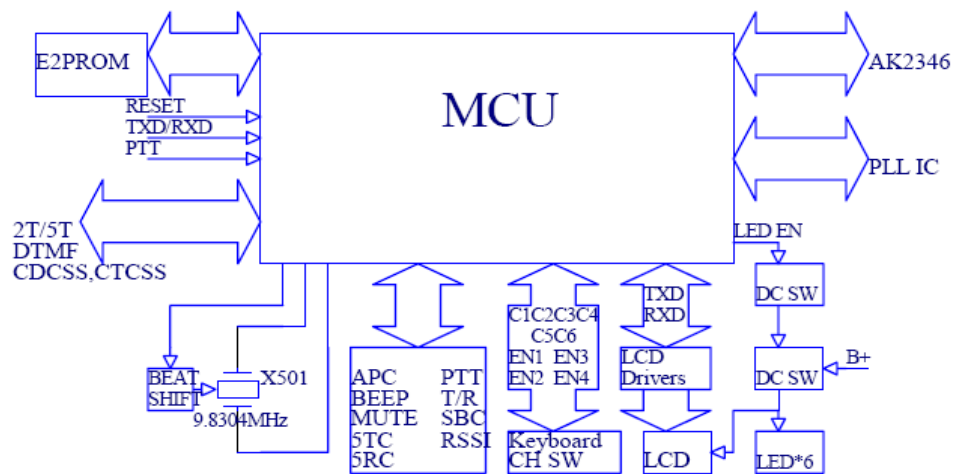


Figure 4 Control Circuit

2. Power Supply

Power supply of the radio is derived from the battery that supplies battery B+ after passing through fuse, and then passes through power switch. MCU controls power management IC (U602, U603, and U604)

to generate voltage including C5V, 5CNS, R5V, T5V.

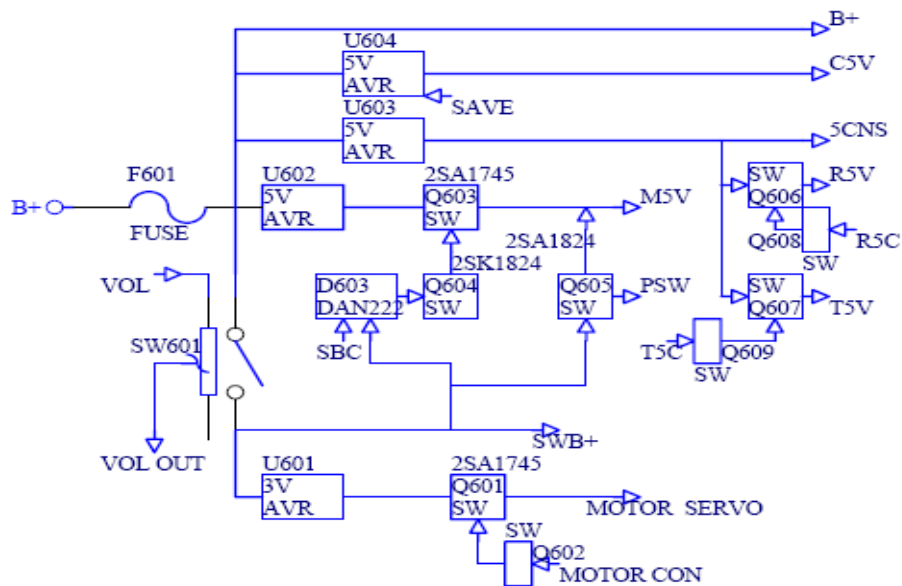


Figure 5 Power Switch Circuit

Keypad and Display Circuit

The display circuit is comprised of MCU (U605), LCD module, keyboard, LED and other components. The backlight enable pin LED_EN is controlled by MCU. When the pin LED_EN is H, the backlight shall be turned on.

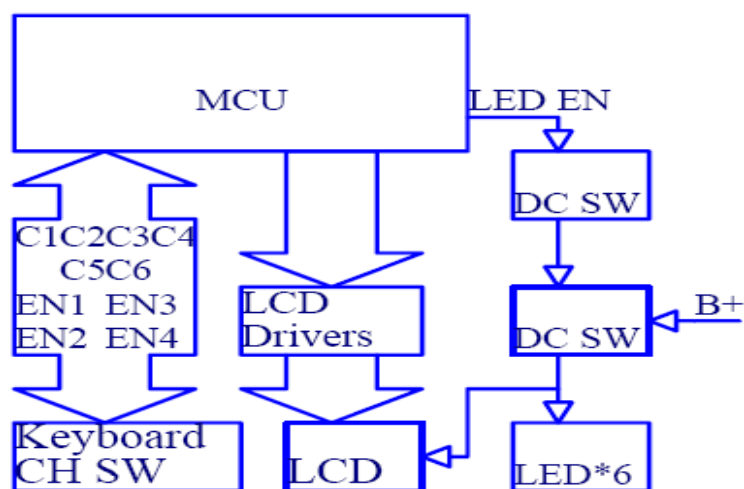


Figure 6 Display Circuit

CPU Pins

PIN No.	PORT	PIN NAME	I/O	DESCRIPTION	REMARK
1	P94/DA1	APC/TV	O	Automatic power control / Rx bandpass control. Adjust APC and Rx bandpass through DA (0-5V).	
2	P93/DA0	TONEO		DTMF / 2-Tone / 5-Tone / Beep output /ALARM output (DA generates waveform). Cannot output from speaker.	
3	P92	LCM_SDI	O	LCM data, display module control data pin.	
4	P91	LCM_SCK	O	LCM clock, display module control clock pin.	
5	P90	TONE_IN	I	2-Tone / 5-Tone input decode	OPEN DRAIN OUT
6	BYTE	BYTE	BYTE	Ground through resistor	
7	CNVSS	CNVSS	CNVSS	Pull down in operating mode, and pull up when programming	(PROG9)
8	P87/XCIN	DC_SW	O	Control transmit transient. H : disable transmit PA; L : enable transmit PA.	
9	P86/XCOUT	SHIFT	O	Frequency shift	
10	RESET	RESET	I	Reset when low level input.	(PROG8)
11	XOUT	XOUT	O	Crystal oscillator output pin. Connect to crystal oscillator.	
12	VSS	GND	I	GND	(PROG7)
13	XIN	XIN	I	Crystal oscillator input pin. Connect to crystal oscillator.	
14	VCC	VCC	I	VCC	(PROG1)
15	P85/NMI	NMI	NC	Connect to VCC through 47K resistor.	
16	P84/INT2	AF_TCLK	I	AK2346MSK serial clock (TCLK)	
17	P83/INT1	AUX1	O	Programmable port used for future development.	
18	P82/INT0	AF_RDF	I	AK2346MSK Rx detect (RDF/FD)	
19	P81	DTMF_SD	I	DTMF decode data input.	

PIN No.	PORT	PIN NAME	I/O	DESCRIPTION	REMARK
20	P7_6/TA3OUT	AFDT	O	AK2346 TDATA, send MSK data	
21	P7_5/TA2IN	SHIFT	O	SHIFT	
22	P76/TA3O	CTC_OUT	O	(PWM) output CTCSS / CDCSS to VCO for modulation.	
23	P75	GPS_In	I	GPS input	
24	P74/TA2O	CTC_PLL	O	(PWM) output CTCSS / CDCSS to PLL for modulation.	
25	P73	AUX2	I/O	Programmable port used for future development.	Used for future development.
26	P72/TA1O	NC			
27	P71/RxD2/TB5IN	Accessory Port (patrol record)			OPEN DRAIN OUT
28	P70/TxD2	Accessory Port (patrol record)			OPEN DRAIN OUT
29	P67/TxD1	TXD1	O	Serial data output (communicate with computer)	(PROG10)
30	P66/RxD1	RXD1	I	Serial data input (communicate with computer)	(PROG4)
31	P65	NC		For burning only. Ground through 47K resistor.	(PROG3)
32	P64	NC		For burning only. monitor output.	(PROG2)
33	P63/TxD0	TXD0	I	Connect with option board	Used for future development.
34	P62/RxD0	RXD0	O	Connect with option board	Used for future development.
35	P61	EEP_SI	O	AT25 EEPROM data input	I/O AT24 EEPROM DATA input / output
36	P60	EEP_CLK	O	AT25/AT24 EEPROM clock pin	

PIN No.	PORT	PIN NAME	I/O	DESCRIPTION	REMARK
37	P57/RDY	EEP_ID	I	1: 1M EEPROM; 0: 512k EEPROM	
38	P56/ALE	NC			
39	P55/HOLD	NC		For programming only. Ground through 47K resistor.	(PROG6)
40	P54/HLDA	AF_DIR	O	AK2346 DIR. Control the I/O of data transmission. H: output control word; L: read data.	
41	P53/BLCK	AF_SCK	O	AK2346 SCLK	
42	P52/RD	NC	O		
43	P51/BHE	AF_TDATA	O	AK2346 TDATA. MSK data output pin.	
44	P50/WR	NC		For burning only. Connect to VCC through 47K resistor.	(PROG5)
45	P47/CS3	AF_DIO	I/O	AK2346 DATA I/O (SDAT). Output control word or read data.	
46	P46/CS2	SBC	O	Control power supply. H: supply power; L: soft power down.	
47	P45/CS1	SAVE	O	Battery save control. H: valid; L: battery save.	
48	P44/CS0	R5C	O	R5C Control power of receiver. L: off; H: valid.	
49	P43/A19	T5C	O	T5C Control power of transmitter L: off; H: valid.	
50	P42/A18	LED_EN	O	Control backlight. L: off; H: valid.	
51	P41/A17	C5	I/O	Key 5	
52	P40/A16	C6	I/O	Key 6	
53	P37/A15	C1	I/O	Key 1	
54	P36/A14	C2	I/O	Key 2	
55	P35/A13	C3	I/O	Key 3	
56	P34/A12	C4	I/O	Key 4	
57	P33/A11	PWS	I	Power on/off detect. H: soft power off; L: on.	

PIN No.	PORT	PIN NAME	I/O	DESCRIPTION	REMARK
58	P32/A10	DTMF_ACK	O	DTMF decode data read clock.	
59	P31/A9	OPT_SEL	I	Accessory connection detect. H: no; L: yes.	
60	VCC	VCC	I	VCC	
61	P30/A8	W_CON	O	Wide band control. H: wide band path open; L: wide band path closed.	
62	VSS	GND	I	GND	
63	P27/A7	PA_MUTE	O	Control audio power amplifier. H: on; L: off.	
64	P26/A6	N_CON	O	Narrow band control. H: narrow band path open; L: narrow band path closed.	
65	P25/A5	LEDR	O	Red light control. H: on; L: off.	
66	P24/A4	LEDG	O	Green light control. H: on; L: off.	
67	P23/A3	EN4	I	EN4 Channel Selector knob 4	Original: EN2
68	P22/A2	EN3	I	EN3 Channel Selector knob 3	Original: EN4
69	P21/A1	EN2	I	EN2 Channel Selector knob 2	Original: EN3
70	P20/A0	EN1	I	EN1 Channel Selector knob 1	Original: EN1
71	P17/INT5	PUMP_SW	O	Control PLL pump current to improve phase lock speed. H: high current; L: low current.	
72	P16/INT4	DTMF_EST	I	Rise edge is generated when the decode chip detects DTMF data.	
73	P15/INT3	MANDOWN	I	Man down detect.	
74	P14	AF_MUTE	O	Audio path switch. H: on; L: off.	
75	P13	MOTO_CON		Motor control. H: valid; L: stop.	
76	P12	PLL_UL	I	PLL unlock detect. H: locked; L: unlocked.	

PIN No.	PORT	PIN NAME	I/O	DESCRIPTION	REMARK
77	P11	PLL_STB	O	PLL chip select output. H: select; L: off.	
78	P10	MIC_MUTE	O	MIC switch. H: off; L: on.	
79	P07/D7	PTT_EXT	I	External PTT input	
80	P06/D6	PLL_CLK	O	PLL clock output	
81	P05/D5	PLL_DATA	O	PLL data output	
82	P04/D4	T/R	O	Tx/Rx control. H: Rx; L: Tx.	
83	P03/D3	APC_SW	O	Control transient. H: APC circuit works; L: APC circuit is disabled.	
84	P02/D2	PTT	I	PTT detect. H: release; L: press.	
85	P01/D1	AK2346B_DIR	I/O	AK2346B register	B indicates the second AK2346 (using the same clock with the first AK2346) (for 5-Tone model)
86	P00/D0	AK2346B_DATA	O	AK2346B data	B indicates the second AK2346 (using the same clock with the first AK2346) (for 5-Tone model)
87	P107/AN7	NC			Reserved for patrol module. Not used.
88	P106/AN6	OPTION1	I	Determine option board according to different levels. Used for future development.	
89	P105/AN5	VOX	I	MIC signal input	
90	P104/AN4	BATT	I	BATT Battery voltage detect	
91	P103/AN3	BATTSEL	I	Battery identification; Identify whether the battery is matched.	
92	P102/AN2	RSSI	I	RSSI detect pin.	
93	P101/AN1	SQL	I	Squelch level input.	

PIN No.	PORT	PIN NAME	I/O	DESCRIPTION	REMARK
94	AVSS	GND	I	A/D conversion power grounded input.	
95	P100/AN0	CTC_IN	I	CTCSS signal input.	
96	VREF	VCC	I	A/D conversion reference voltage.	
97	AVCC	VCC	I	A/D conversion power input.	
98	P97	NC			Reserved for patrol module. Not used.
99	P96	LCM_RST	O	LCM reset / TP1	
100	P95	LCM_CD	O	LCM_data/command identification. H: data; L: command.	

TC-780 VHF Parts List 1 (Main Board Unit)

No.	Material No.	Description	Qty.	Ref.No.	Address
1	3001050000000	Chip resistor 0402 0Ω	1	C284	T3I
2	3001050000000	Chip resistor 0402 0Ω	1	C459	T3B
3	3001050000000	Chip resistor 0402 0Ω	1	R102	T4F
4	3001050000000	Chip resistor 0402 0Ω	1	R139	T4G
5	3001050000000	Chip resistor 0402 0Ω	1	R140	T4G
6	3001050000000	Chip resistor 0402 0Ω	1	R210	B1A
7	3001050000000	Chip resistor 0402 0Ω	1	R240	B3D
8	3001050000000	Chip resistor 0402 0Ω	1	R244	T3I
9	3001050000000	Chip resistor 0402 0Ω	1	R252	T3H
10	3001050000000	Chip resistor 0402 0Ω	1	R261	T2I
11	3001050000000	Chip resistor 0402 0Ω	1	R299	B3D
12	3001050000000	Chip resistor 0402 0Ω	1	R303	T2H
13	3001050000000	Chip resistor 0402 0Ω	1	R409	T3D
14	3001050000000	Chip resistor 0402 0Ω	1	R439	B4D
15	3001050000000	Chip resistor 0402 0Ω	1	R472	T2D
16	3001050000000	Chip resistor 0402 0Ω	1	R481	T2D
17	3001050000000	Chip resistor 0402 0Ω	1	R499	T2C
18	3001050000000	Chip resistor 0402 0Ω	1	R504	T3D
19	3001050000000	Chip resistor 0402 0Ω	1	R636	B3I
20	3001050000000	Chip resistor 0402 0Ω	1	R710	B4E
21	3001051000000	Chip resistor 0402 10Ω	1	R120	T3E
22	3001051000000	Chip resistor 0402 10Ω	1	R130	T5G
23	3001051000000	Chip resistor 0402 10Ω	1	R132	T5G
24	3001051000000	Chip resistor 0402 10Ω	1	R138	T4G
25	3001051000000	Chip resistor 0402 10Ω	1	R470	T2E
26	3001051000000	Chip resistor 0402 10Ω	1	R621	B1A
27	3001051000000	Chip resistor 0402 10Ω	1	R641	B5G
28	3001051000000	Chip resistor 0402 10Ω	1	R665	B1B
29	3001051010000	Chip resistor 0402 100Ω	1	R108	T5E
30	3001051010000	Chip resistor 0402 100Ω	1	R113	T4E
31	3001051010000	Chip resistor 0402 100Ω	1	R204	B1A
32	3001051010000	Chip resistor 0402 100Ω	1	R236	B2D
33	3001051010000	Chip resistor 0402 100Ω	1	R237	B2D
34	3001051020010	Chip resistor 0402 1KΩ	1	R106	T5E
35	3001051020010	Chip resistor 0402 1KΩ	1	R133	T5F
36	3001051020010	Chip resistor 0402 1KΩ	1	R143	T5F
37	3001051020010	Chip resistor 0402 1KΩ	1	R205	T1H
38	3001051020010	Chip resistor 0402 1KΩ	1	R209	B1A
39	3001051020010	Chip resistor 0402 1KΩ	1	R215	T4I
40	3001051020010	Chip resistor 0402 1KΩ	1	R245	T3H
41	3001051020010	Chip resistor 0402 1KΩ	1	R286	T2I
42	3001051020010	Chip resistor 0402 1KΩ	1	R296	B2D

No.	Material No.	Description	Qty.	Ref.No.	Address
43	3001051020010	Chip resistor 0402 1K Ω	1	R305	T3I
44	3001051020010	Chip resistor 0402 1K Ω	1	R441	B4D
45	3001051020010	Chip resistor 0402 1K Ω	1	R454	T3B
46	3001051020010	Chip resistor 0402 1K Ω	1	R458	T2B
47	3001051020010	Chip resistor 0402 1K Ω	1	R479	T2G
48	3001051020010	Chip resistor 0402 1K Ω	1	R624	B2I
49	3001051020010	Chip resistor 0402 1K Ω	1	R625	B5H
50	3001051020010	Chip resistor 0402 1K Ω	1	R628	B3I
51	3001051020010	Chip resistor 0402 1K Ω	1	R629	B2I
52	3001051020010	Chip resistor 0402 1K Ω	1	R631	B3G
53	3001051020010	Chip resistor 0402 1K Ω	1	R645	B3G
54	3001051020010	Chip resistor 0402 1K Ω	1	R646	B4H
55	3001051020010	Chip resistor 0402 1K Ω	1	R650	B4G
56	3001051020010	Chip resistor 0402 1K Ω	1	R656	B4H
57	3001051020010	Chip resistor 0402 1K Ω	1	R659	B2H
58	3001051020010	Chip resistor 0402 1K Ω	1	R677	B1C
59	3001051020010	Chip resistor 0402 1K Ω	1	R679	B1C
60	3001051020010	Chip resistor 0402 1K Ω	1	R681	B4H
61	3001051020010	Chip resistor 0402 1K Ω	1	R682	B4H
62	3001051020010	Chip resistor 0402 1K Ω	1	R701	B1F
63	3001051030000	Chip resistor 0402 10K Ω	1	R101	T4F
64	3001051030000	Chip resistor 0402 10K Ω	1	R117	T3E
65	3001051030000	Chip resistor 0402 10K Ω	1	R123	T3F
66	3001051030000	Chip resistor 0402 10K Ω	1	R127	T4G
67	3001051030000	Chip resistor 0402 10K Ω	1	R135	T5G
68	3001051030000	Chip resistor 0402 10K Ω	1	R144	T4G
69	3001051030000	Chip resistor 0402 10K Ω	1	R217	T3I
70	3001051030000	Chip resistor 0402 10K Ω	1	R219	T3I
71	3001051030000	Chip resistor 0402 10K Ω	1	R229	T2H
72	3001051030000	Chip resistor 0402 10K Ω	1	R230	T2H
73	3001051030000	Chip resistor 0402 10K Ω	1	R235	B2D
74	3001051030000	Chip resistor 0402 10K Ω	1	R246	T3H
75	3001051030000	Chip resistor 0402 10K Ω	1	R248	T3H
76	3001051030000	Chip resistor 0402 10K Ω	1	R277	T2I
77	3001051030000	Chip resistor 0402 10K Ω	1	R280	T2I
78	3001051030000	Chip resistor 0402 10K Ω	1	R284	T2I
79	3001051030000	Chip resistor 0402 10K Ω	1	R287	T2I
80	3001051030000	Chip resistor 0402 10K Ω	1	R290	B1B
81	3001051030000	Chip resistor 0402 10K Ω	1	R300	B2D
82	3001051030000	Chip resistor 0402 10K Ω	1	R304	T3H
83	3001051030000	Chip resistor 0402 10K Ω	1	R309	T1H
84	3001051030000	Chip resistor 0402 10K Ω	1	R310	T1H

No.	Material No.	Description	Qty.	Ref.No.	Address
85	3001051030000	Chip resistor 0402 10K Ω	1	R435	B5D
86	3001051030000	Chip resistor 0402 10K Ω	1	R482	T3D
87	3001051030000	Chip resistor 0402 10K Ω	1	R492	T1E
88	3001051030000	Chip resistor 0402 10K Ω	1	R601	B1D
89	3001051030000	Chip resistor 0402 10K Ω	1	R606	B2G
90	3001051030000	Chip resistor 0402 10K Ω	1	R618	B3E
91	3001051030000	Chip resistor 0402 10K Ω	1	R658	B3I
92	3001051030000	Chip resistor 0402 10K Ω	1	R670	B1B
93	3001051030000	Chip resistor 0402 10K Ω	1	R671	B1B
94	3001051030000	Chip resistor 0402 10K Ω	1	R708	B4E
95	3001051030000	Chip resistor 0402 10K Ω	1	R709	B4E
96	3001051030000	Chip resistor 0402 10K Ω	1	R711	B3E
97	3001051030000	Chip resistor 0402 10K Ω	1	R310	T1H
98	3001051030000	Chip resistor 0402 10K Ω	1	R309	T1H
99	3001051030000	Chip resistor 0402 10K Ω	1	R308	T1H
100	3001051040010	Chip resistor 0402 100K Ω	1	R105	T5E
101	3001051040010	Chip resistor 0402 100K Ω	1	R110	T5E
102	3001051040010	Chip resistor 0402 100K Ω	1	R233	B2D
103	3001051040010	Chip resistor 0402 100K Ω	1	R241	B3D
104	3001051040010	Chip resistor 0402 100K Ω	1	R265	T2I
105	3001051040010	Chip resistor 0402 100K Ω	1	R273	T2G
106	3001051040010	Chip resistor 0402 100K Ω	1	R275	T2H
107	3001051040010	Chip resistor 0402 100K Ω	1	R281	T2H
108	3001051040010	Chip resistor 0402 100K Ω	1	R298	B3D
109	3001051040010	Chip resistor 0402 100K Ω	1		
110	3001051040010	Chip resistor 0402 100K Ω	1	R308	T1H
111	3001051040010	Chip resistor 0402 100K Ω	1	R440	B4D
112	3001051040010	Chip resistor 0402 100K Ω	1	R442	T3C
113	3001051040010	Chip resistor 0402 100K Ω	1	R445	T3B
114	3001051040010	Chip resistor 0402 100K Ω	1	R447	T3B
115	3001051040010	Chip resistor 0402 100K Ω	1	R455	T3C
116	3001051040010	Chip resistor 0402 100K Ω	1	R456	T3C
117	3001051040010	Chip resistor 0402 100K Ω	1	R457	T3C
118	3001051040010	Chip resistor 0402 100K Ω	1	R491	T1E
119	3001051040010	Chip resistor 0402 100K Ω	1	R497	T2C
120	3001051040010	Chip resistor 0402 100K Ω	1	R500	T3C
121	3001051040010	Chip resistor 0402 100K Ω	1	R609	B2G
122	3001051040010	Chip resistor 0402 100K Ω	1	R633	B4I
123	3001051040010	Chip resistor 0402 100K Ω	1	R675	B2C
124	3001051040010	Chip resistor 0402 100K Ω	1	R676	B2C
125	3001051050020	Chip resistor 0402 1M Ω	1	R239	B3D
126	3001051050020	Chip resistor 0402 1M Ω	1	R274	T1G

No.	Material No.	Description	Qty.	Ref.No.	Address
127	3001051050020	Chip resistor 0402 1MΩ	1	R285	T2I
128	3001051050020	Chip resistor 0402 1MΩ	1	R436	B4D
129	3001051050020	Chip resistor 0402 1MΩ	1	R615	B3B
130	3001051050020	Chip resistor 0402 1MΩ	1	R617	B3E
131	3001051050020	Chip resistor 0402 1MΩ	1	R312	T1H
132	3001051060000	Chip resistor 0402 10M	1	R716	B3E
133	3001051220000	Chip resistor 0402 1.2KΩ	1	R493	T2D
134	3001051230000	Chip resistor 0402 12KΩ	1	R415	T5D
135	3001051230000	Chip resistor 0402 12KΩ	1	R450	T3B
136	3001051230000	Chip resistor 0402 12KΩ	1	R503	T1E
137	3001051230000	Chip resistor 0402 12KΩ	1	R668	B1A
138	3001051230000	Chip resistor 0402 12KΩ	1	R669	B1A
139	3001051240000	Chip resistor 0402 120KΩ	1	R147	T5G
140	3001051240000	Chip resistor 0402 120KΩ	1	R289	T3H
141	3001051240000	Chip resistor 0402 120KΩ	1	R294	T3H
142	3001051510000	Chip resistor 0402 150Ω	1	R459	T2B
143	3001051510000	Chip resistor 0402 150Ω	1	R494	T2D
144	3001051520000	Chip resistor 0402 1.5KΩ	1	R714	B4E
145	3001051530000	Chip resistor 0402 15KΩ	1	R150	T5H
146	3001051530000	Chip resistor 0402 15KΩ	1	R221	T3I
147	3001051530000	Chip resistor 0402 15KΩ	1	R243	B3D
148	3001051530000	Chip resistor 0402 15KΩ	1	R258	T3H
149	3001051530000	Chip resistor 0402 15KΩ	1	R301	T3G
150	3001051530000	Chip resistor 0402 15KΩ	1	R421	T5D
151	3001051530000	Chip resistor 0402 15KΩ	1	R712	B4E
152	3001051530000	Chip resistor 0402 15KΩ	1	R713	B4E
153	3001051530000	Chip resistor 0402 15KΩ	1	R715	B3E
154	3001051540000	Chip resistor 0402 150KΩ	1	R425	B5D
155	3001051540000	Chip resistor 0402 150KΩ	1	R426	B4D
156	3001051540000	Chip resistor 0402 150KΩ	1	R427	B5D
157	3001051540000	Chip resistor 0402 150KΩ	1	R428	B5D
158	3001051540000	Chip resistor 0402 150KΩ	1	R429	B5D
159	3001051540000	Chip resistor 0402 150KΩ	1	R430	B5D
160	3001051540020	Chip resistor 0402 150KΩ	1	R134	T5F
161	3001051540020	Chip resistor 0402 150KΩ	1	R282	T1I
162	3001051540020	Chip resistor 0402 150KΩ	1	R283	T2I
163	3001051540020	Chip resistor 0402 150KΩ	1	R495	T2C
164	3001051540020	Chip resistor 0402 150KΩ	1	R496	T2D
165	3001051810010	Chip resistor 0402 180Ω	1	R654	B2A
166	3001051830000	Chip resistor 0402 18KΩ	1	R224	T3G
167	3001051830000	Chip resistor 0402 18KΩ	1	R225	T2G
168	3001051830000	Chip resistor 0402 18KΩ	1	R242	B3D

No.	Material No.	Description	Qty.	Ref.No.	Address
169	3001051830000	Chip resistor 0402 18K Ω	1	R251	T3H
170	3001051830000	Chip resistor 0402 18K Ω	1	R253	T3H
171	3001051830000	Chip resistor 0402 18K Ω	1	R257	T3H
172	3001051830000	Chip resistor 0402 18K Ω	1	R268	T2I
173	3001051830000	Chip resistor 0402 18K Ω	1	R269	T3I
174	3001051830000	Chip resistor 0402 18K Ω	1	R293	T2G
175	3001051840000	Chip resistor 0402 180K Ω	1	R145	T5H
176	3001051840000	Chip resistor 0402 180K Ω	1	R263	T2I
177	3001051840000	Chip resistor 0402 180K Ω	1	R264	T3I
178	3001051840000	Chip resistor 0402 180K Ω	1	R498	T2C
179	3001052030000	Chip resistor 0402 20K Ω	1	R256	T3H
180	3001052200000	Chip resistor 0402 22 Ω	1	R104	T3E
181	3001052200000	Chip resistor 0402 22 Ω	1	R404	T3D
182	3001052200000	Chip resistor 0402 22 Ω	1	R407	T4D
183	3001052210000	Chip resistor 0402 220 Ω	1	R291	T3I
184	3001052210000	Chip resistor 0402 220 Ω	1	R657	B2A
185	3001052220000	Chip resistor 0402 2.2K Ω	1	R434	B5D
186	3001052220000	Chip resistor 0402 2.2K Ω	1	R462	T2B
187	3001052220000	Chip resistor 0402 2.2K Ω	1	R602	B1D
188	3001052220000	Chip resistor 0402 2.2K Ω	1	R673	B3C
189	3001052230010	Chip resistor 0402 22K Ω	1	R109	T5F
190	3001052230010	Chip resistor 0402 22K Ω	1	R124	T4F
191	3001052230010	Chip resistor 0402 22K Ω	1	R126	T4G
192	3001052230010	Chip resistor 0402 22K Ω	1	R128	T4G
193	3001052230010	Chip resistor 0402 22K Ω	1	R131	T3G
194	3001052230010	Chip resistor 0402 22K Ω	1	R149	T5H
195	3001052230010	Chip resistor 0402 22K Ω	1	R213	T3I
196	3001052230010	Chip resistor 0402 22K Ω	1	R259	T3H
197	3001052230010	Chip resistor 0402 22K Ω	1	R262	T2I
198	3001052230010	Chip resistor 0402 22K Ω	1	R276	T2H
199	3001052230010	Chip resistor 0402 22K Ω	1	R278	T2I
200	3001052230010	Chip resistor 0402 22K Ω	1	R295	T2G
201	3001052230010	Chip resistor 0402 22K Ω	1	R302	T3G
202	3001052230010	Chip resistor 0402 22K Ω	1	R474	T2F
203	3001052230010	Chip resistor 0402 22K Ω	1	R475	T2F
204	3001052230010	Chip resistor 0402 22K Ω	1	R476	T2F
205	3001052230010	Chip resistor 0402 22K Ω	1	R477	T2G
206	3001052230010	Chip resistor 0402 22K Ω	1	R672	B2B
207	3001052240000	Chip resistor 0402 220K Ω	1	R121	T3F
208	3001052240000	Chip resistor 0402 220K Ω	1	R438	B4D
209	3001052240000	Chip resistor 0402 220K Ω	1	R610	B2G
210	3001052240000	Chip resistor 0402 220K Ω	1	R619	B3A

No.	Material No.	Description	Qty.	Ref.No.	Address
211	3001052240000	Chip resistor 0402 220KΩ	1	R620	B4A
212	3001052240000	Chip resistor 0402 220KΩ	1	R626	B5H
213	3001052710010	Chip resistor 0402 270Ω	1	R122	T3G
214	3001052710010	Chip resistor 0402 270Ω	1	R125	T4G
215	3001052710010	Chip resistor 0402 270Ω	1	R129	T3G
216	3001052710010	Chip resistor 0402 270Ω	1	R432	T4C
217	3001052710010	Chip resistor 0402 270Ω	1	R433	T4C
218	3001052720000	Chip resistor 0402 2.7KΩ	1	R297	B2D
219	3001052720000	Chip resistor 0402 2.7KΩ	1	R312	T3H
220	3001052720000	Chip resistor 0402 2.7KΩ	1	R484	T2E
221	3001052730000	Chip resistor 0402 27KΩ	1	R238	B3D
222	3001052730000	Chip resistor 0402 27KΩ	1	R249	T2H
223	3001052730000	Chip resistor 0402 27KΩ	1	R255	B3D
224	3001052740000	Chip resistor 0402 270KΩ	1	R483	T2E
225	3001052790000	Chip resistor 0402 2.7Ω	1	R452	T3B
226	3001053310010	Chip resistor 0402 330Ω	1	R114	T4E
227	3001053310010	Chip resistor 0402 330Ω	1	R115	T3E
228	3001053310010	Chip resistor 0402 330Ω	1	R403	T3D
229	3001053310010	Chip resistor 0402 330Ω	1	R408	T3D
230	3001053310010	Chip resistor 0402 330Ω	1	R467	T1D
231	3001053310010	Chip resistor 0402 330Ω	1	R469	T1D
232	3001053310010	Chip resistor 0402 330Ω	1	R501	T2D
233	3001053320000	Chip resistor 0402 3.3KΩ	1	R118	T3E
234	3001053320000	Chip resistor 0402 3.3KΩ	1	R119	T3E
235	3001053320000	Chip resistor 0402 3.3KΩ	1	R137	T4G
236	3001053320000	Chip resistor 0402 3.3KΩ	1	R401	T3D
237	3001053320000	Chip resistor 0402 3.3KΩ	1	R417	B4D
238	3001053320000	Chip resistor 0402 3.3KΩ	1	R487	T2E
239	3001053320000	Chip resistor 0402 3.3KΩ	1	R489	T2E
240	3001053330010	Chip resistor 0402 33KΩ	1	R212	T3I
241	3001053330010	Chip resistor 0402 33KΩ	1	R214	T4I
242	3001053330010	Chip resistor 0402 33KΩ	1	R222	T2G
243	3001053330010	Chip resistor 0402 33KΩ	1	R226	T2E
244	3001053330010	Chip resistor 0402 33KΩ	1	R414	T5D
245	3001053340000	Chip resistor 0402 330KΩ	1	R247	T3H
246	3001053340000	Chip resistor 0402 330KΩ	1	R292	T3H
247	3001053340000	Chip resistor 0402 330KΩ	1	R627	B5H
248	3001053910000	Chip resistor 0402 390Ω	1	R416	B4D
249	3001053920010	Chip resistor 0402 3.9KΩ	1	R406	T4D
250	3001053930000	Chip resistor 0402 39KΩ	1	R148	T5H
251	3001053940000	Chip resistor 0402 390KΩ	1	R266	T2I
252	3001054320000	Chip resistor 0402 4.3KΩ	1	R453	T3C

No.	Material No.	Description	Qty.	Ref.No.	Address
253	3001054700000	Chip resistor 0402 47Ω	1	R413	T5D
254	3001054700000	Chip resistor 0402 47Ω	1	R471	T2C
255	3001054710000	Chip resistor 0402 470Ω	1	R449	T2B
256	3001054710000	Chip resistor 0402 470Ω	1	R674	B3C
257	3001054720000	Chip resistor 0402 4.7KΩ	1	R111	T4E
258	3001054720000	Chip resistor 0402 4.7KΩ	1	R136	T4G
259	3001054720000	Chip resistor 0402 4.7KΩ	1	R216	T3I
260	3001054720000	Chip resistor 0402 4.7KΩ	1	R220	B2B
261	3001054720000	Chip resistor 0402 4.7KΩ	1	R232	B3D
262	3001054720000	Chip resistor 0402 4.7KΩ	1	R234	B2D
263	3001054720000	Chip resistor 0402 4.7KΩ	1	R270	B3D
264	3001054720000	Chip resistor 0402 4.7KΩ	1	R279	T2I
265	3001054720000	Chip resistor 0402 4.7KΩ	1	R473	T1F
266	3001054720000	Chip resistor 0402 4.7KΩ	1	R478	T2F
267	3001054720000	Chip resistor 0402 4.7KΩ	1	R486	T2E
268	3001054720000	Chip resistor 0402 4.7KΩ	1	R490	T2E
269	3001054720000	Chip resistor 0402 4.7KΩ	1	R604	B3G
270	3001054720000	Chip resistor 0402 4.7KΩ	1	R612	B2B
271	3001054720000	Chip resistor 0402 4.7KΩ	1	R614	B3C
272	3001054720000	Chip resistor 0402 4.7KΩ	1	R717	B1F
273	3001054730000	Chip resistor 0402 47KΩ	1	R218	T3I
274	3001054730000	Chip resistor 0402 47KΩ	1	R231	T2H
275	3001054730000	Chip resistor 0402 47KΩ	1	R402	T3D
276	3001054730000	Chip resistor 0402 47KΩ	1	R437	B4D
277	3001054730000	Chip resistor 0402 47KΩ	1	R488	T2E
278	3001054730000	Chip resistor 0402 47KΩ	1	R603	B3G
279	3001054730000	Chip resistor 0402 47KΩ	1	R608	B2G
280	3001054730000	Chip resistor 0402 47KΩ	1	R611	B2B
281	3001054730000	Chip resistor 0402 47KΩ	1	R613	B3C
282	3001054730000	Chip resistor 0402 47KΩ	1	R616	B3B
283	3001054730000	Chip resistor 0402 47KΩ	1	R622	B1H
284	3001054730000	Chip resistor 0402 47KΩ	1	R623	B1H
285	3001054730000	Chip resistor 0402 47KΩ	1	R630	B2H
286	3001054730000	Chip resistor 0402 47KΩ	1	R632	B3I
287	3001054730000	Chip resistor 0402 47KΩ	1	R634	B3G
288	3001054730000	Chip resistor 0402 47KΩ	1	R635	B1G
289	3001054730000	Chip resistor 0402 47KΩ	1	R638	B4H
290	3001054730000	Chip resistor 0402 47KΩ	1	R639	B4G
291	3001054730000	Chip resistor 0402 47KΩ	1	R640	B1H
292	3001054730000	Chip resistor 0402 47KΩ	1	R642	B1G
293	3001054730000	Chip resistor 0402 47KΩ	1	R643	B1G
294	3001054730000	Chip resistor 0402 47KΩ	1	R644	B1G

No.	Material No.	Description	Qty.	Ref.No.	Address
295	3001054730000	Chip resistor 0402 47KΩ	1	R647	B3G
296	3001054730000	Chip resistor 0402 47KΩ	1	R648	B3G
297	3001054730000	Chip resistor 0402 47KΩ	1	R649	B2G
298	3001054730000	Chip resistor 0402 47KΩ	1	R651	B3I
299	3001054730000	Chip resistor 0402 47KΩ	1	R652	B3G
300	3001054730000	Chip resistor 0402 47KΩ	1	R653	B1G
301	3001054730000	Chip resistor 0402 47KΩ	1	R660	B2H
302	3001054730000	Chip resistor 0402 47KΩ	1	R661	B1G
303	3001054740000	Chip resistor 0402 470KΩ	1	R607	B2G
304	3001054740000	Chip resistor 0402 470KΩ	1	R666	B1B
305	3001054740000	Chip resistor 0402 470KΩ	1	R667	B1B
306	3001055110000	Chip resistor 0402 510Ω	1	R103	T4F
307	3001055130010	Chip resistor 0402 51KΩ	1	R250	T3H
308	3001055130010	Chip resistor 0402 51KΩ	1	R460	T2B
309	3001055600000	Chip resistor 0402 56Ω	1	R706	B3E
310	3001055610000	Chip resistor 0402 560Ω	1	R107	T4E
311	3001055620000	Chip resistor 0402 5.6KΩ	1	R116	T3E
312	3001055620000	Chip resistor 0402 5.6KΩ	1	R206	T1H
313	3001055630000	Chip resistor 0402 56KΩ	1	R271	T2H
314	3001055630000	Chip resistor 0402 56KΩ	1	R272	T2H
315	3001056810000	Chip resistor 0402 680Ω	1	R405	T3D
316	3001056820000	Chip resistor 0402 6.8KΩ	1	R254	T3G
317	3001056820000	Chip resistor 0402 6.8KΩ	1	R307	T3G
318	3001056820000	Chip resistor 0402 6.8KΩ	1	R451	T3B
319	3001056820000	Chip resistor 0402 6.8KΩ	1	R502	T1E
320	3001056830000	Chip resistor 0402 68KΩ	1	R112	T4E
321	3001056830000	Chip resistor 0402 68KΩ	1	R142	T5F
322	3001056830000	Chip resistor 0402 68KΩ	1	R223	T2G
323	3001056830000	Chip resistor 0402 68KΩ	1	R228	T2H
324	3001056840000	Chip resistor 0402 680KΩ	1	R468	T1E
325	3001056840000	Chip resistor 0402 680KΩ	1	R605	B2G
326	3001058210000	Chip resistor 0402 820Ω	1	R141	T4F
327	3001058220000	Chip resistor 0402 8.2KΩ	1	R208	B1A
328	3001058230000	Chip resistor 0402 82KΩ	1	R227	T2F
329	3001058230000	Chip resistor 0402 82KΩ	1	R267	T2I
330	3001058230000	Chip resistor 0402 82KΩ	1	R288	T3H
331	3001058230000	Chip resistor 0402 82KΩ	1	R485	T2E
332	3001059130000	Chip resistor 0402 91KΩ	1	R146	T4G
333	3001059130000	Chip resistor 0402 91KΩ	1	R260	T3H
334	3001059130000	Chip resistor 0402 91KΩ	1	R461	T2B
335	3001060000000	Chip resistor 0603 0Ω	1	C414	T4D
336	3001063330000	Chip resistor 0603 33KΩ	1	R420	T5D

No.	Material No.	Description	Qty.	Ref.No.	Address
337	3001064700000	Chip resistor 0603 47Ω	1	R419	T5D
338	3001070000000	Chip resistor 0805 0Ω	1	L434	T5A
339	3001070000000	Chip resistor 0805 0Ω	1	R431	T5B
340	3001082010000	Chip resistor 1206 200Ω	1	R678	B1D
341	3001082010000	Chip resistor 1206 200Ω	1	R680	B1D
342	3002996830000	Trimmer resistor (2*2) 68KΩ(+25%)	1	RP101	T5H
343	3002996830000	Trimmer resistor (2*2) 68KΩ(+25%)	1	RP201	T4H
344	3003994730000	Thermistor 0603 47KΩ	1	RT401	T4D
345	3003994730000	Thermistor 0603 47KΩ	1	RT402	T2B
346	3005051020000	Resistor array 0402 1K*2 *2	1	RN602	B2I
347	3005051020000	Resistor array 0402 1K*2 *2	1	RN607	B2G
348	3005051020000	Resistor array 0402 1K*2 *2	1	RN609	B2G
349	3005051020000	Resistor array 0402 1K*2 *2	1	RN617	B4I
350	3005051020000	Resistor array 0402 1K*2 *2	1	RN619	B3I
351	3005051020000	Resistor array 0402 1K*2 *2	1	RN620	B2G
352	3005051020000	Resistor array 0402 1K*2 *2	1	RN625	B2H
353	3005051020000	Resistor array 0402 1K*2 *2	1	RN626	B4H
354	3005051020010	Resistor array 0402 1K*4 *4	1	RN601	B3I
355	3005051020010	Resistor array 0402 1K*4 *4	1	RN603	B2I
356	3005051020010	Resistor array 0402 1K*4 *4	1	RN604	B2H
357	3005051020010	Resistor array 0402 1K*4 *4	1	RN606	B2H
358	3005051020010	Resistor array 0402 1K*4 *4	1	RN608	B2G
359	3005051020010	Resistor array 0402 1K*4 *4	1	RN612	B3G
360	3005051020010	Resistor array 0402 1K*4 *4	1	RN616	B4H
361	3005051020010	Resistor array 0402 1K*4 *4	1	RN618	B2H
362	3005051020010	Resistor array 0402 1K*4 *4	1	RN621	B3G
363	3005051020010	Resistor array 0402 1K*4 *4	1	RN622	B4G
364	3005051020010	Resistor array 0402 1K*4 *4	1	RN623	B4H
365	3005051020010	Resistor array 0402 1K*4 *4	1	RN624	B2I
366	3005054730010	Resistor array 0402 47K*4 *4	1	RN611	B3G
367	3099080398000	Chip resistor 1206 0.39Ω	1	R422	B4B
368	3099080398000	Chip resistor 1206 0.39Ω	1	R423	B4B
369	3099080398000	Chip resistor 1206 0.39Ω	1	R424	B3B
370	3101050300000	Chip capacitor 0402 3PF	1	C138	T3F
371	3101050300000	Chip capacitor 0402 3PF	1	C490	T1D
372	3101050300000	Chip capacitor 0402 3PF	1	C493	T1D
373	3101050400010	Chip capacitor 0402 4PF	1	C479	T3D
374	3101050500010	Chip capacitor 0402 5PF	1	C143	T4G
375	3101050500010	Chip capacitor 0402 5PF	1	C153	T3G
376	3101050600010	Chip capacitor 0402 6PF	1	C133	T3E
377	3101050600010	Chip capacitor 0402 6PF	1	C181	T4F
378	3101050600010	Chip capacitor 0402 6PF	1	C403	T3D

No.	Material No.	Description	Qty.	Ref.No.	Address
379	3101050800000	Chip capacitor 0402 8PF	1	C477	T3D
380	3101050900000	Chip capacitor 0402 9PF	1	C525	T2D
381	3101051000020	Chip capacitor 0402 10PF	1	C103	T4E
382	3101051000020	Chip capacitor 0402 10PF	1	C113	T4E
383	3101051000020	Chip capacitor 0402 10PF	1	C173	T4H
384	3101051000020	Chip capacitor 0402 10PF	1	C174	T4G
385	3101051000020	Chip capacitor 0402 10PF	1	C470	T3C
386	3101051000020	Chip capacitor 0402 10PF	1	C472	T3C
387	3101051010030	Chip capacitor 0402 100PF	1	C162	T5G
388	3101051010030	Chip capacitor 0402 100PF	1	C163	T5G
389	3101051010030	Chip capacitor 0402 100PF	1	C164	T5G
390	3101051010030	Chip capacitor 0402 100PF	1	C165	T4G
391	3101051010030	Chip capacitor 0402 100PF	1	C166	T4G
392	3101051010030	Chip capacitor 0402 100PF	1	C185	T3G
393	3101051010030	Chip capacitor 0402 100PF	1	C427	B5D
394	3101051010030	Chip capacitor 0402 100PF	1	C461	T2B
395	3101051010030	Chip capacitor 0402 100PF	1	C464	T3C
396	3101051010030	Chip capacitor 0402 100PF	1	C473	T2B
397	3101051010030	Chip capacitor 0402 100PF	1	C475	T2B
398	3101051010030	Chip capacitor 0402 100PF	1	C498	T1E
399	3101051010030	Chip capacitor 0402 100PF	1	C639	T4I
400	3101051010030	Chip capacitor 0402 100PF	1	C640	T4H
401	3101051010030	Chip capacitor 0402 100PF	1	C643	T4H
402	3101051010030	Chip capacitor 0402 100PF	1	C646	T4H
403	3101051010030	Chip capacitor 0402 100PF	1	C647	T4H
404	3101051010030	Chip capacitor 0402 100PF	1	C648	B4H
405	3101051010030	Chip capacitor 0402 100PF	1	C649	T4I
406	3101051010030	Chip capacitor 0402 100PF	1	C650	T4H
407	3101051010030	Chip capacitor 0402 100PF	1	C651	T4H
408	3101051010030	Chip capacitor 0402 100PF	1	C652	T4H
409	3101051010030	Chip capacitor 0402 100PF	1	C653	T4H
410	3101051010030	Chip capacitor 0402 100PF	1	C654	T4H
411	3101051010030	Chip capacitor 0402 100PF	1	C655	T4H
412	3101051010030	Chip capacitor 0402 100PF	1	C656	T4H
413	3101051010030	Chip capacitor 0402 100PF	1	C657	T4I
414	3101051010030	Chip capacitor 0402 100PF	1	C658	B4H
415	3101051010030	Chip capacitor 0402 100PF	1	C659	B4H
416	3101051010030	Chip capacitor 0402 100PF	1	C660	T4I
417	3101051010030	Chip capacitor 0402 100PF	1	C661	T4I
418	3101051010030	Chip capacitor 0402 100PF	1	C673	B1C
419	3101051010030	Chip capacitor 0402 100PF	1	C674	B1C
420	3101051010030	Chip capacitor 0402 100PF	1	C675	B1C

No.	Material No.	Description	Qty.	Ref.No.	Address
421	3101051010030	Chip capacitor 0402 100PF	1	C676	B1C
422	3101051010030	Chip capacitor 0402 100PF	1	C677	B2D
423	3101051010030	Chip capacitor 0402 100PF	1	C678	B2C
424	3101051010030	Chip capacitor 0402 100PF	1	C679	B2C
425	3101051010030	Chip capacitor 0402 100PF	1	C680	B3C
426	3101051010030	Chip capacitor 0402 100PF	1	C681	B2D
427	3101051010030	Chip capacitor 0402 100PF	1	C682	B1C
428	3101051010030	Chip capacitor 0402 100PF	1	C683	B2C
429	3101051010030	Chip capacitor 0402 100PF	1	C684	B2C
430	3101051010030	Chip capacitor 0402 100PF	1	C703	B4E
431	3101051010030	Chip capacitor 0402 100PF	1	C704	B4E
432	3101051010030	Chip capacitor 0402 100PF	1	C706	B3E
433	3101051010030	Chip capacitor 0402 100PF	1	C714	B4G
434	3101051010030	Chip capacitor 0402 100PF	1	C715	B4G
435	3101051010030	Chip capacitor 0402 100PF	1	C716	B4F
436	3101051020010	Chip capacitor 0402 1000PF	1	C101	T4F
437	3101051020010	Chip capacitor 0402 1000PF	1	C108	T3E
438	3101051020010	Chip capacitor 0402 1000PF	1	C128	T4E
439	3101051020010	Chip capacitor 0402 1000PF	1	C131	T3E
440	3101051020010	Chip capacitor 0402 1000PF	1	C132	T3E
441	3101051020010	Chip capacitor 0402 1000PF	1	C139	T4F
442	3101051020010	Chip capacitor 0402 1000PF	1	C140	T4G
443	3101051020010	Chip capacitor 0402 1000PF	1	C142	T4G
444	3101051020010	Chip capacitor 0402 1000PF	1	C148	T3G
445	3101051020010	Chip capacitor 0402 1000PF	1	C151	T3G
446	3101051020010	Chip capacitor 0402 1000PF	1	C155	T3G
447	3101051020010	Chip capacitor 0402 1000PF	1	C157	T4G
448	3101051020010	Chip capacitor 0402 1000PF	1	C175	T4G
449	3101051020010	Chip capacitor 0402 1000PF	1	C176	T4G
450	3101051020010	Chip capacitor 0402 1000PF	1	C183	T3G
451	3101051020010	Chip capacitor 0402 1000PF	1	C220	T2G
452	3101051020010	Chip capacitor 0402 1000PF	1	C222	T2F
453	3101051020010	Chip capacitor 0402 1000PF	1	C238	B3D
454	3101051020010	Chip capacitor 0402 1000PF	1	C269	T2I
455	3101051020010	Chip capacitor 0402 1000PF	1	C273	T2I
456	3101051020010	Chip capacitor 0402 1000PF	1	C402	T3D
457	3101051020010	Chip capacitor 0402 1000PF	1	C404	T4D
458	3101051020010	Chip capacitor 0402 1000PF	1	C405	T3D
459	3101051020010	Chip capacitor 0402 1000PF	1	C406	T3C
460	3101051020010	Chip capacitor 0402 1000PF	1	C410	T5D
461	3101051020010	Chip capacitor 0402 1000PF	1	C412	B4D
462	3101051020010	Chip capacitor 0402 1000PF	1	C413	T4D

No.	Material No.	Description	Qty.	Ref.No.	Address
463	3101051020010	Chip capacitor 0402 1000PF	1	C416	T5D
464	3101051020010	Chip capacitor 0402 1000PF	1	C420	T4C
465	3101051020010	Chip capacitor 0402 1000PF	1	C424	T4C
466	3101051020010	Chip capacitor 0402 1000PF	1	C438	T4C
467	3101051020010	Chip capacitor 0402 1000PF	1	C452	T3B
468	3101051020010	Chip capacitor 0402 1000PF	1	C463	T2B
469	3101051020010	Chip capacitor 0402 1000PF	1	C481	T2D
470	3101051020010	Chip capacitor 0402 1000PF	1	C483	T2C
471	3101051020010	Chip capacitor 0402 1000PF	1	C492	T1E
472	3101051020010	Chip capacitor 0402 1000PF	1	C511	T2E
473	3101051020010	Chip capacitor 0402 1000PF	1	C517	T3D
474	3101051020010	Chip capacitor 0402 1000PF	1	C518	T3D
475	3101051020010	Chip capacitor 0402 1000PF	1	C524	T2D
476	3101051020010	Chip capacitor 0402 1000PF	1	C528	T2D
477	3101051020010	Chip capacitor 0402 1000PF	1	C529	T2C
478	3101051020010	Chip capacitor 0402 1000PF	1	C532	T3B
479	3101051020010	Chip capacitor 0402 1000PF	1	C533	T3C
480	3101051020010	Chip capacitor 0402 1000PF	1	C535	T3C
481	3101051020010	Chip capacitor 0402 1000PF	1	C536	T3C
482	3101051020010	Chip capacitor 0402 1000PF	1	C541	T3D
483	3101051020010	Chip capacitor 0402 1000PF	1	C601	B2A
484	3101051020010	Chip capacitor 0402 1000PF	1	C602	B2A
485	3101051020010	Chip capacitor 0402 1000PF	1	C604	B1E
486	3101051020010	Chip capacitor 0402 1000PF	1	C605	B1D
487	3101051020010	Chip capacitor 0402 1000PF	1	C606	B1D
488	3101051020010	Chip capacitor 0402 1000PF	1	C609	B2G
489	3101051020010	Chip capacitor 0402 1000PF	1	C611	B3F
490	3101051020010	Chip capacitor 0402 1000PF	1	C613	B3G
491	3101051020010	Chip capacitor 0402 1000PF	1	C615	B2B
492	3101051020010	Chip capacitor 0402 1000PF	1	C617	B2B
493	3101051020010	Chip capacitor 0402 1000PF	1	C619	B2E
494	3101051020010	Chip capacitor 0402 1000PF	1	C621	B3B
495	3101051020010	Chip capacitor 0402 1000PF	1	C624	B1A
496	3101051020010	Chip capacitor 0402 1000PF	1	C626	B1A
497	3101051020010	Chip capacitor 0402 1000PF	1	C629	B1I
498	3101051020010	Chip capacitor 0402 1000PF	1	C632	B4I
499	3101051020010	Chip capacitor 0402 1000PF	1	C633	B5H
500	3101051020010	Chip capacitor 0402 1000PF	1	C637	B3I
501	3101051020010	Chip capacitor 0402 1000PF	1	C641	B3A
502	3101051020010	Chip capacitor 0402 1000PF	1	C642	B3A
503	3101051020010	Chip capacitor 0402 1000PF	1	C644	B3A
504	3101051020010	Chip capacitor 0402 1000PF	1	C645	B3A

No.	Material No.	Description	Qty.	Ref.No.	Address
505	3101051020010	Chip capacitor 0402 1000PF	1	C664	B4A
506	3101051020010	Chip capacitor 0402 1000PF	1	C665	B1A
507	3101051020010	Chip capacitor 0402 1000PF	1	C670	B2B
508	3101051020010	Chip capacitor 0402 1000PF	1	C686	B1A
509	3101051020010	Chip capacitor 0402 1000PF	1	C687	B2E
510	3101051020010	Chip capacitor 0402 1000PF	1	C710	B3F
511	3101051020010	Chip capacitor 0402 1000PF	1	C711	B3F
512	3101051020010	Chip capacitor 0402 1000PF	1	C713	B3F
513	3101051020010	Chip capacitor 0402 1000PF	1	C723	B4A
514	3101051030020	Chip capacitor 0402 0.01UF	1	C122	T5E
515	3101051030020	Chip capacitor 0402 0.01UF	1	C213	T3I
516	3101051030020	Chip capacitor 0402 0.01UF	1	C258	T2I
517	3101051030020	Chip capacitor 0402 0.01UF	1	C267	T2I
518	3101051030020	Chip capacitor 0402 0.01UF	1	C272	T1I
519	3101051030020	Chip capacitor 0402 0.01UF	1	C280	B1B
520	3101051030020	Chip capacitor 0402 0.01UF	1	C305	T1H
521	3101051030020	Chip capacitor 0402 0.01UF	1	C421	T4C
522	3101051030020	Chip capacitor 0402 0.01UF	1	C425	T4C
523	3101051030020	Chip capacitor 0402 0.01UF	1	C489	T1E
524	3101051030020	Chip capacitor 0402 0.01UF	1	C496	T1F
525	3101051030020	Chip capacitor 0402 0.01UF	1	C497	T1D
526	3101051030020	Chip capacitor 0402 0.01UF	1	C500	T1E
527	3101051030020	Chip capacitor 0402 0.01UF	1	C522	T2D
528	3101051030020	Chip capacitor 0402 0.01UF	1	C523	T2D
529	3101051030020	Chip capacitor 0402 0.01UF	1	C527	T2D
530	3101051030020	Chip capacitor 0402 0.01UF	1	C630	B5G
531	3101051030020	Chip capacitor 0402 0.01UF	1	C631	B4G
532	3101051030020	Chip capacitor 0402 0.01UF	1	C638	B3G
533	3101051030020	Chip capacitor 0402 0.01UF	1	C667	B2B
534	3101051040060	Chip capacitor 0402 0.1UF	1	C110	T5E
535	3101051040060	Chip capacitor 0402 0.1UF	1	C124	T5E
536	3101051040060	Chip capacitor 0402 0.1UF	1	C135	T3E
537	3101051040060	Chip capacitor 0402 0.1UF	1	C159	T5G
538	3101051040060	Chip capacitor 0402 0.1UF	1	C161	T5F
539	3101051040060	Chip capacitor 0402 0.1UF	1	C167	T4G
540	3101051040060	Chip capacitor 0402 0.1UF	1	C177	T5H
541	3101051040060	Chip capacitor 0402 0.1UF	1	C209	T5I
542	3101051040060	Chip capacitor 0402 0.1UF	1	C215	T3I
543	3101051040060	Chip capacitor 0402 0.1UF	1	C216	B1A
544	3101051040060	Chip capacitor 0402 0.1UF	1	C239	B3D
545	3101051040060	Chip capacitor 0402 0.1UF	1	C240	B3D
546	3101051040060	Chip capacitor 0402 0.1UF	1	C246	T2H

No.	Material No.	Description	Qty.	Ref.No.	Address
547	3101051040060	Chip capacitor 0402 0.1UF	1	C268	T2I
548	3101051040060	Chip capacitor 0402 0.1UF	1	C277	T1H
549	3101051040060	Chip capacitor 0402 0.1UF	1	C279	T2H
550	3101051040060	Chip capacitor 0402 0.1UF	1	C282	T3H
551	3101051040060	Chip capacitor 0402 0.1UF	1	C283	T3H
552	3101051040060	Chip capacitor 0402 0.1UF	1	C285	T3H
553	3101051040060	Chip capacitor 0402 0.1UF	1	C306	T1H
554	3101051040060	Chip capacitor 0402 0.1UF	1	C307	T2H
555	3101051040060	Chip capacitor 0402 0.1UF	1	C407	T3D
556	3101051040060	Chip capacitor 0402 0.1UF	1	C411	T5D
557	3101051040060	Chip capacitor 0402 0.1UF	1	C417	T5D
558	3101051040060	Chip capacitor 0402 0.1UF	1	C419	T4C
559	3101051040060	Chip capacitor 0402 0.1UF	1	C456	T3C
560	3101051040060	Chip capacitor 0402 0.1UF	1	C460	T3B
561	3101051040060	Chip capacitor 0402 0.1UF	1	C462	T2B
562	3101051040060	Chip capacitor 0402 0.1UF	1	C465	T3C
563	3101051040060	Chip capacitor 0402 0.1UF	1	C468	T3C
564	3101051040060	Chip capacitor 0402 0.1UF	1	C474	T3B
565	3101051040060	Chip capacitor 0402 0.1UF	1	C494	T2G
566	3101051040060	Chip capacitor 0402 0.1UF	1	C502	T1E
567	3101051040060	Chip capacitor 0402 0.1UF	1	C503	T2E
568	3101051040060	Chip capacitor 0402 0.1UF	1	C505	T1F
569	3101051040060	Chip capacitor 0402 0.1UF	1	C506	T1F
570	3101051040060	Chip capacitor 0402 0.1UF	1	C507	T2F
571	3101051040060	Chip capacitor 0402 0.1UF	1	C514	T2E
572	3101051040060	Chip capacitor 0402 0.1UF	1	C519	T2G
573	3101051040060	Chip capacitor 0402 0.1UF	1	C538	T2D
574	3101051040060	Chip capacitor 0402 0.1UF	1	C542	T3D
575	3101051040060	Chip capacitor 0402 0.1UF	1	C622	B3E
576	3101051040060	Chip capacitor 0402 0.1UF	1	C623	B3B
577	3101051040060	Chip capacitor 0402 0.1UF	1	C668	B1A
578	3101051040060	Chip capacitor 0402 0.1UF	1	C669	B1A
579	3101051040060	Chip capacitor 0402 0.1UF	1	C708	B3E
580	3101051050000	Chip capacitor 0402 1UF	1	C219	T2G
581	3101051050000	Chip capacitor 0402 1UF	1	C223	T2E
582	3101051050000	Chip capacitor 0402 1UF	1	C228	B3D
583	3101051050000	Chip capacitor 0402 1UF	1	C230	B2D
584	3101051050000	Chip capacitor 0402 1UF	1	C231	B2D
585	3101051050000	Chip capacitor 0402 1UF	1	C232	B2D
586	3101051050000	Chip capacitor 0402 1UF	1	C235	B3D
587	3101051050000	Chip capacitor 0402 1UF	1	C248	T3H
588	3101051050000	Chip capacitor 0402 1UF	1	C252	T3H

No.	Material No.	Description	Qty.	Ref.No.	Address
589	3101051050000	Chip capacitor 0402 1UF	1	C255	T4I
590	3101051050000	Chip capacitor 0402 1UF	1	C275	T2G
591	3101051050000	Chip capacitor 0402 1UF	1	C286	B2D
592	3101051050000	Chip capacitor 0402 1UF	1	C287	B2D
593	3101051050000	Chip capacitor 0402 1UF	1	C288	B2D
594	3101051050000	Chip capacitor 0402 1UF	1	C289	T2G
595	3101051050000	Chip capacitor 0402 1UF	1	C290	T4I
596	3101051050000	Chip capacitor 0402 1UF	1	C294	T2H
597	3101051050000	Chip capacitor 0402 1UF	1	C635	B4I
598	3101051200020	Chip capacitor 0402 12PF	1	C491	T2D
599	3101051230000	Chip capacitor 0402 0.012UF	1	C254	T3I
600	3101051500020	Chip capacitor 0402 15PF	1	C130	T3E
601	3101051500020	Chip capacitor 0402 15PF	1	C136	T3E
602	3101051500020	Chip capacitor 0402 15PF	1	C210	T4I
603	3101051500020	Chip capacitor 0402 15PF	1	C211	T5I
604	3101051500020	Chip capacitor 0402 15PF	1	C401	T3D
605	3101051500020	Chip capacitor 0402 15PF	1	C450	T4B
606	3101051500020	Chip capacitor 0402 15PF	1	C453	T4B
607	3101051500020	Chip capacitor 0402 15PF	1	C471	T2C
608	3101051500020	Chip capacitor 0402 15PF	1	C484	T3D
609	3101051500020	Chip capacitor 0402 15PF	1	C534	T2C
610	3101051500020	Chip capacitor 0402 15PF	1	C627	B3I
611	3101051510000	Chip capacitor 0402 150PF(±5%)	1	C261	T2H
612	3101051530010	Chip capacitor 0402 0.015UF	1	C180	T5H
613	3101051530010	Chip capacitor 0402 0.015UF	1	C250	T3H
614	3101051530010	Chip capacitor 0402 0.015UF	1	C291	T3G
615	3101051800010	Chip capacitor 0402 18PF	1	C455	T3B
616	3101051800010	Chip capacitor 0402 18PF	1	C478	T3D
617	3101051800010	Chip capacitor 0402 18PF	1	C480	T3D
618	3101051820000	Chip capacitor 0402 1800PF	1	C513	T2E
619	3101051830000	Chip capacitor 0402 0.018UF	1	C179	T5H
620	3101051830000	Chip capacitor 0402 0.018UF	1	C251	T3H
621	3101051830000	Chip capacitor 0402 0.018UF	1	C292	T3G
622	3101052200010	Chip capacitor 0402 22PF	1	C263	T1G
623	3101052200010	Chip capacitor 0402 22PF	1	C264	T2G
624	3101052200010	Chip capacitor 0402 22PF	1	C539	T1E
625	3101052200010	Chip capacitor 0402 22PF	1	C540	T1F
626	3101052210010	Chip capacitor 0402 220PF	1	C257	T2I
627	3101052220010	Chip capacitor 0402 2200pF	1	C296	T3I
628	3101052230000	Chip capacitor 0402 0.022UF	1	C233	B3D
629	3101052230000	Chip capacitor 0402 0.022UF	1	C707	B3E
630	3101052240010	Chip capacitor 0402 0.22UF	1	C212	T3I

No.	Material No.	Description	Qty.	Ref.No.	Address
631	3101052240010	Chip capacitor 0402 0.22UF	1	C236	B3D
632	3101052700000	Chip capacitor 0402 27PF	1	C454	T3B
633	3101052700000	Chip capacitor 0402 27PF	1	C537	T3C
634	3101052700000	Chip capacitor 0402 27PF	1	C544	T2C
635	3101052700000	Chip capacitor 0402 27PF	1	C628	B2I
636	3101052700000	Chip capacitor 0402 27PF	1	C636	B3I
637	3101052730000	Chip capacitor 0402 0.027UF	1	C247	T3H
638	3101052730000	Chip capacitor 0402 0.027UF	1	C260	T2H
639	3101053000010	Chip capacitor 0402 30PF	1	C145	T4G
640	3101053300000	Chip capacitor 0402 33PF	1	C129	T4E
641	3101053300000	Chip capacitor 0402 33PF	1	C144	T4G
642	3101053300000	Chip capacitor 0402 33PF	1	C156	T3G
643	3101053300000	Chip capacitor 0402 33PF	1	C226	T2H
644	3101053300000	Chip capacitor 0402 33PF	1	C242	T3H
645	3101053300000	Chip capacitor 0402 33PF	1	C300	T1H
646	3101053300000	Chip capacitor 0402 33PF	1	C469	T2C
647	3101053300000	Chip capacitor 0402 33PF	1	C499	T1E
648	3101053300000	Chip capacitor 0402 33PF	1	C300	T1H
649	3101053930000	Chip capacitor 0402 0.039UF	1	C256	T2I
650	3101054700010	Chip capacitor 0402 47PF	1	C141	T4F
651	3101054700010	Chip capacitor 0402 47PF	1	C149	T3G
652	3101054700010	Chip capacitor 0402 47PF	1	C154	T3G
653	3101054700010	Chip capacitor 0402 47PF	1	C221	T2G
654	3101054700010	Chip capacitor 0402 47PF	1	C229	B2D
655	3101054700010	Chip capacitor 0402 47PF	1	C234	B3D
656	3101054700010	Chip capacitor 0402 47PF	1	C467	T3C
657	3101054710010	Chip capacitor 0402 470PF	1	C109	T5E
658	3101054710010	Chip capacitor 0402 470PF	1	C118	T4E
659	3101054710010	Chip capacitor 0402 470PF	1	C125	T4E
660	3101054710010	Chip capacitor 0402 470PF	1	C127	T5E
661	3101054710010	Chip capacitor 0402 470PF	1	C134	T3E
662	3101054710010	Chip capacitor 0402 470PF	1	C137	T3G
663	3101054710010	Chip capacitor 0402 470PF	1	C146	T4G
664	3101054710010	Chip capacitor 0402 470PF	1	C147	T4G
665	3101054710010	Chip capacitor 0402 470PF	1	C150	T3G
666	3101054710010	Chip capacitor 0402 470PF	1	C152	T4G
667	3101054710010	Chip capacitor 0402 470PF	1	C160	T5G
668	3101054710010	Chip capacitor 0402 470PF	1	C172	T4H
669	3101054710010	Chip capacitor 0402 470PF	1	C237	B3D
670	3101054710010	Chip capacitor 0402 470PF	1	C276	T1G
671	3101054710010	Chip capacitor 0402 470PF	1	C426	B5D
672	3101054710010	Chip capacitor 0402 470PF	1	C439	B4D

No.	Material No.	Description	Qty.	Ref.No.	Address
673	3101054710010	Chip capacitor 0402 470PF	1	C440	B4D
674	3101054710010	Chip capacitor 0402 470PF	1	C508	T2E
675	3101054710010	Chip capacitor 0402 470PF	1	C509	T2E
676	3101054710010	Chip capacitor 0402 470PF	1	C543	T3D
677	3101054710010	Chip capacitor 0402 470PF	1	C625	B1A
678	3101054710010	Chip capacitor 0402 470PF	1	C672	B2C
679	3101054710010	Chip capacitor 0402 470PF	1	C701	B1F
680	3101054710010	Chip capacitor 0402 470PF	1	C702	B3E
681	3101054710010	Chip capacitor 0402 470PF	1	C717	B1F
682	3101054720000	Chip capacitor 0402 4700PF	1	C214	T3I
683	3101054720000	Chip capacitor 0402 4700PF	1	C241	T3H
684	3101054720000	Chip capacitor 0402 4700PF	1	C281	B1A
685	3101054730000	Chip capacitor 0402 0.047UF	1	C207	T5I
686	3101054740000	Chip capacitor 0402 0.47UF	1	C201	T2H
687	3101054740000	Chip capacitor 0402 0.47UF	1	C218	T3H
688	3101054740000	Chip capacitor 0402 0.47UF	1	C225	T2H
689	3101055600000	Chip capacitor 0402 56PF	1	C510	T2E
690	3101055610000	Chip capacitor 0402 560PF	1	C227	T2H
691	3101055610000	Chip capacitor 0402 560PF	1	C301	T1H
692	3101055610000	Chip capacitor 0402 560PF	1	C301	T1H
693	3101055620010	Chip capacitor 0402 5600PF	1	C266	T2I
694	3101056830000	Chip capacitor 0402 0.068UF	1	C253	T2H
695	3101058200000	Chip capacitor 0402 82PF	1	C504	T2E
696	3101060300010	Chip capacitor 0603 3PF	1	C520	T5C
697	3101060590010	Chip capacitor 0603 0.5PF	1	C111	T4E
698	3101060590010	Chip capacitor 0603 0.5PF	1	C120	T5E
699	3101060590010	Chip capacitor 0603 0.5PF	1	C123	T4E
700	3101060700020	Chip capacitor 0603 7PF	1	C107	T4E
701	3101060900010	Chip capacitor 0603 9PF	1	C445	T5B
702	3101061000000	Chip capacitor 0603 10PF	1	C105	T4F
703	3101061000000	Chip capacitor 0603 10PF	1	C117	T4E
704	3101061000000	Chip capacitor 0603 10PF	1	C434	T5B
705	3101061000000	Chip capacitor 0603 10PF	1	C441	T4B
706	3101061000000	Chip capacitor 0603 10PF	1	C444	T5B
707	3101061000000	Chip capacitor 0603 10PF	1	C449	T4B
708	3101061010010	Chip capacitor 0603 100PF	1	C437	T4B
709	3101061010010	Chip capacitor 0603 100PF	1	C451	T4B
710	3101061020000	Chip capacitor 0603 1000PF	1	C112	T5F
711	3101061020000	Chip capacitor 0603 1000PF	1	C408	T4D
712	3101061020000	Chip capacitor 0603 1000PF	1	C442	T4B
713	3101061050060	Chip capacitor 0603 1UF	1	C603	B2E
714	3101061050060	Chip capacitor 0603 1UF	1	C614	B2B

No.	Material No.	Description	Qty.	Ref.No.	Address
715	3101061050060	Chip capacitor 0603 1UF	1	C618	B3E
716	3101061200000	Chip capacitor 0603 12PF	1	C443	T5B
717	3101061200000	Chip capacitor 0603 12PF	1	C447	T5B
718	3101061500010	Chip capacitor 0603 15PF	1	C115	T4E
719	3101061800000	Chip capacitor 0603 18PF	1	L433	T4D
720	3101062000000	Chip capacitor 0603 20PF	1	C448	T5B
721	3101062200010	Chip capacitor 0603 22PF	1	C446	T4B
722	3101062210000	Chip capacitor 0603 220PF	1	R412	T5D
723	3101062250000	Chip capacitor 0603 2.2UF	1	C512	T2E
724	3101062400010	Chip capacitor 0603 24PF	1	C415	T4D
725	3101062700010	Chip capacitor 0603 27PF	1	C432	T4C
726	3101063900000	Chip capacitor 0603 39PF	1	C102	T3F
727	3101064710000	Chip capacitor 0603 470PF	1	C501	T1E
728	3101068200000	Chip capacitor 0603 82PF	1	C182	T5F
729	3101068200000	Chip capacitor 0603 82PF	1	C429	T5C
730	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm	1	TC104	T3F
731	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm	1	TC114	T4F
732	3104071040010	Tantalum capacitor 0805 0.1UF	1	C168	T5G
733	3104071040010	Tantalum capacitor 0805 0.1UF	1	C170	T5F
734	3104071050010	Tantalum capacitor 0805 1UF	1	C121	T5F
735	3104071050010	Tantalum capacitor 0805 1UF	1	C243	T3H
736	3104071050010	Tantalum capacitor 0805 1UF	1	C244	T3H
737	3104071050010	Tantalum capacitor 0805 1UF	1	C298	T1I
738	3104071050010	Tantalum capacitor 0805 1UF	1	C299	T1I
739	3104071050010	Tantalum capacitor 0805 1UF	1	C304	T1H
740	3104071050010	Tantalum capacitor 0805 1UF	1	C709	B3F
741	3104071050010	Tantalum capacitor 0805 1UF	1	C298	T1I
742	3104071050010	Tantalum capacitor 0805 1UF	1	C299	T1I
743	3104071050010	Tantalum capacitor 0805 1UF	1	C304	T1H
744	3104071060010	Tantalum capacitor 0805 10UF	1	C171	T4H
745	3104071060010	Tantalum capacitor 0805 10UF	1	C495	T2E
746	3104071060040	Tantalum capacitor 0805 10UF	1	C634	B4I
747	3104071060040	Tantalum capacitor 0805 10UF	1	C671	B3C
748	3104071560020	Tantalum capacitor 0805 15UF	1	C245	T2H
749	3104074740010	Tantalum capacitor 0805 0.47UF	1	C530	T2B
750	3104074750030	Tantalum capacitor 0805 4.7UF	1	C126	T5E
751	3104074750030	Tantalum capacitor 0805 4.7UF	1	C158	T5G
752	3104074750030	Tantalum capacitor 0805 4.7UF	1	C178	T5G
753	3104074750030	Tantalum capacitor 0805 4.7UF	1	C208	T1H
754	3104074750030	Tantalum capacitor 0805 4.7UF	1	C259	T2I
755	3104074750030	Tantalum capacitor 0805 4.7UF	1	C271	T1I
756	3104074750030	Tantalum capacitor 0805 4.7UF	1	C274	T3G

No.	Material No.	Description	Qty.	Ref.No.	Address
757	3104074750030	Tantalum capacitor 0805 4.7UF	1	C418	B5D
758	3104074750030	Tantalum capacitor 0805 4.7UF	1	C607	B2D
759	3104074750030	Tantalum capacitor 0805 4.7UF	1	C612	B3F
760	3104074750030	Tantalum capacitor 0805 4.7UF	1	C616	B3B
761	3104074750030	Tantalum capacitor 0805 4.7UF	1	C688	B2E
762	3104081050000	Tantalum capacitor 1206 1UF	1	C169	T5F
763	3104081060080	Tantalum capacitor 1206 10UF	1	C666	B2B
764	3104082260040	Tantalum capacitor 1206 22UF	1	C685	B1B
765	3104084750030	Tantalum capacitor 1206 4.7UF	1	C610	B2G
766	3210108330000	Bobbin inductor 1206 33nH	1	L105	T3F
767	3210108390000	Multi-layer chip inductor 1206 39nH	1	L107	T4F
768	3210209102010	Bobbin inductor 1210 1uH	1	L414	B4A
769	3210305390000	Multi-layer chip inductor 0402 39nH	1	L426	T2D
770	3210306101000	Multi-layer chip inductor 0603 100nH	1	L113	T4E
771	3210306101000	Multi-layer chip inductor 0603 100nH	1	L115	T3E
772	3210306150000	Multi-layer chip inductor 0603 15nH	1	L439	T2C
773	3210306220000	Multi-layer chip inductor 0603 22nH	1	L118	T4G
774	3210306270000	Multi-layer chip inductor 0603 27nH	1	L119	T4G
775	3210306270000	Multi-layer chip inductor 0603 27nH	1	L120	T3G
776	3210306270000	Multi-layer chip inductor 0603 27nH	1	L121	T3G
777	3210306330000	Multi-layer chip inductor 0603 33nH	1	L406	T5D
778	3210306561010	Multi-layer chip inductor 0603 560nH	1	L405	T2D
779	3210306561010	Multi-layer chip inductor 0603 560nH	1	L429	T1E
780	3210306680000	Multi-layer chip inductor 0603 68nH	1	L116	T3F
781	3210306680000	Multi-layer chip inductor 0603 68nH	1	L401	T3D
782	3210306680000	Multi-layer chip inductor 0603 68nH	1	L402	T3D
783	3212107222000	Multi-layer chip inductor 0805 2.2uH	1	L409	T4B
784	3213212102000	Multi-layer chip inductor 1008 1uH	1	L404	T4D
785	3213306102000	Multi-layer chip inductor 0603 1uH	1	L432	T1F
786	3213306561000	Multi-layer chip inductor 0603 0.56uH	1	L124	T4H
787	3213306682000	Multi-layer chip inductor 0603 6.8uH	1	L103	T3F
788	3213306682000	Multi-layer chip inductor 0603 6.8uH	1	L104	T3F
789	3213306682000	Multi-layer chip inductor 0603 6.8uH	1	L106	T4F
790	3213306682000	Multi-layer chip inductor 0603 6.8uH	1	L108	T4E
791	3213306682000	Multi-layer chip inductor 0603 6.8uH	1	L111	T5F
792	3213306682000	Multi-layer chip inductor 0603 6.8uH	1	L112	T4F
793	3213306821000	Chip inductor 0603 0.82uH±10%	1	L430	T2D
794	3214307221000	Inductor 0805 220nH(Q)	1	L425	T3B
795	3215107680000	Bobbin inductor 0805 68nH	1	L419	T2B
796	3220107150000	Filter inductor 0805 15nH	1	L420	T2C
797	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L123	T5G
798	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L128	T4E

No.	Material No.	Description	Qty.	Ref.No.	Address
799	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L129	T4F
800	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L403	T3D
801	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L423	T1D
802	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L428	T3D
803	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L601	B2D
804	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L602	B2A
805	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L604	B4I
806	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L605	B2G
807	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L606	B3G
808	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L607	B1G
809	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L701	B1F
810	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L702	B3F
811	3221507221000	Chip ferrite bead 0805 220Ω±25%	1	L408	T4C
812	3231301030000	Air-core inductor E2 0.3*1.0*3TL	1	L436	T5C
813	3231301250000	Air-core inductor E2-0.30*1.2*5TL	1	L415	T4B
814	3231301250000	Air-core inductor E2-0.30*1.2*5TL	1	L416	T3B
815	3231301250000	Air-core inductor E2-0.30*1.2*5TL	1	L421	T3C
816	3231301250000	Air-core inductor E2-0.30*1.2*5TL	1	L422	T2C
817	3231301250000	Air-core inductor E2-0.30*1.2*5TL	1	L431	T3C
818	3231351040000	Air-core inductor E2 0.35*1.0*4TL	1	L438	T5B
819	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L437	T5C
820	3231351660000	Air-core inductor E2-0.35*1.6*6TR	1	L411	T4B
821	3231351660000	Air-core inductor E2-0.35*1.6*6TR	1	L413	T5B
822	3231351670000	Air-core inductor E2-0.35*1.6*7TR	1	L412	T5B
823	3231351680000	Air-core inductor E2-0.35*1.6*8TR	1	L407	T4C
824	3231351680000	Air-core inductor E2-0.35*1.6*8TR	1	L410	T4B
825	3303020100020	Switching diode MA2S11100L	1	D110	T5E
826	3303020100020	Switching diode MA2S11100L	1	D115	T5G
827	3303020100020	Switching diode MA2S11100L	1	D205	B3D
828	3303020100020	Switching diode MA2S11100L	1	D602	B2D
829	3303020100020	Switching diode MA2S11100L	1	D710	B1F
830	3303020100060	Switching diode MA3J74200L	1	D204	T2I
831	3303020100070	Switching diode MA2Z07700L	1	D403	T4B
832	3303020100080	Switching diode MA2S07700L	1	D111	T3F
833	3303020100080	Switching diode MA2S07700L	1	D112	T4G
834	3303020100080	Switching diode MA2S07700L	1	D113	T4G
835	3303020100080	Switching diode MA2S07700L	1	D114	T3F
836	3303020100080	Switching diode MA2S07700L	1	D401	T3D
837	3303020100080	Switching diode MA2S07700L	1	D402	T3D
838	3303020100080	Switching diode MA2S07700L	1	D407	T4B
839	3303020100080	Switching diode MA2S07700L	1	D408	T4B
840	3303030100010	Switching diode DAN222(TL)	1	D415	T1F

No.	Material No.	Description	Qty.	Ref.No.	Address
841	3303030100010	Switching diode DAN222(TL)	1	D416	T1F
842	3303030100010	Switching diode DAN222(TL)	1	D603	B2G
843	3303030300000	Schottky barrier diode RB706F-40(T106)	1	D202	B3D
844	3303030300000	Schottky barrier diode RB706F-40(T106)	1	D203	B2D
845	3303030300000	Schottky barrier diode RB706F-40(T106)	1	D206	B2D
846	3304040200000	Varactor BB179	1	D711	T5F
847	3304060300040	Varactor HVC362TRF-E	1	D409	T3B
848	3304060300040	Varactor HVC362TRF-E	1	D410	T4B
849	3304060300040	Varactor HVC362TRF-E	1	D413	T3C
850	3304060300040	Varactor HVC362TRF-E	1	D414	T3C
851	3304060300040	Varactor HVC362TRF-E	1	D419	T3C
852	3304060300050	Varactor HVC350BTRF-E	1	D101	T3F
853	3304060300050	Varactor HVC350BTRF-E	1	D102	T3F
854	3304060300050	Varactor HVC350BTRF-E	1	D103	T3F
855	3304060300050	Varactor HVC350BTRF-E	1	D104	T3F
856	3304060300050	Varactor HVC350BTRF-E	1	D105	T4F
857	3304060300050	Varactor HVC350BTRF-E	1	D106	T4F
858	3304060300050	Varactor HVC350BTRF-E	1	D107	T4F
859	3304060300050	Varactor HVC350BTRF-E	1	D108	T4F
860	3307110100070	LED KPT-1608SRC	1	D604	B1A
861	3307110100080	LED KPT-1608SGC	1	D605	B1A
862	3308250100000	Attenuator diode HSMP-3820-TR1G	1	D417	T2B
863	3309030600000	Noise Clipping Diode RSA6.1EN	1	D609	B2D
864	3399990000080	Voltage regulating diode EDZTE616.8B	1	D405	B5D
865	3399990000080	Voltage regulating diode EDZTE616.8B	1	D412	T5D
866	3399990000080	Voltage regulating diode EDZTE616.8B	1	D606	B2C
867	3399990000080	Voltage regulating diode EDZTE616.8B	1	D607	B1C
868	3399990000080	Voltage regulating diode EDZTE616.8B	1	D608	B2C
869	3399990000080	Voltage regulating diode EDZTE616.8B	1	D610	B1C
870	3399990000080	Voltage regulating diode EDZTE616.8B	1	D611	B1C
871	3399990000110	Diode ISR154-400 TE25	1	D601	B4B
872	3399990000260	Diode HSM88ASTL-E	1	D418	T3B
873	3401001000490	Transistor 2SA1832-GR(TE85L.F)	1	Q208	B3D
874	3401002000150	Transistor 2SC4738F-GR (T5L,F)	1	Q207	B3D
875	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q107	T3F
876	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q105	T4E
877	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q106	T3E
878	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q401	T3D
879	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q412	T1E
880	3403002000000	Transistor 2SB1132FD5T100R	1	Q701	B1F
881	3403003000060	Transistor 2SC4617TLS	1	Q205	T3H
882	3403003000060	Transistor 2SC4617TLS	1	Q702	B1F

No.	Material No.	Description	Qty.	Ref.No.	Address
883	3403003000060	Transistor 2SC4617TLS	1	Q104	T4E
884	3403007000000	Transistor DTA114EE(TL)	1	Q413	T2E
885	3403007000000	Transistor DTA114EE(TL)	1	Q111	T3F
886	3403007000000	Transistor DTA114EE(TL)	1	Q407	B5D
887	3403007000000	Transistor DTA114EE(TL)	1	Q414	T2E
888	3403008000010	Transistor DTC114EE(TL)	1	Q112	T3F
889	3403008000010	Transistor DTC114EE(TL)	1	Q113	T4G
890	3403008000010	Transistor DTC114EE(TL)	1	Q405	B5D
891	3403008000010	Transistor DTC114EE(TL)	1	Q406	B4D
892	3403008000010	Transistor DTC114EE(TL)	1	Q611	B2A
893	3403008000010	Transistor DTC114EE(TL)	1	Q612	B2A
894	3403008000030	Transistor DTC114TE	1	Q403	B4D
895	3403008000050	Transistor DTC114YE(TL)	1	Q615	B2B
896	3403008000070	Transistor DTC144EE(TL)	1	Q602	B2D
897	3403008000070	Transistor DTC144EE(TL)	1	Q608	B2B
898	3403008000070	Transistor DTC144EE(TL)	1	Q609	B3B
899	3403008000070	Transistor DTC144EE(TL)	1	Q610	B3I
900	3406001000090	Transistor 2SC4988FRTR-E	1	Q402	T4D
901	3410001000020	Transistor 2SA1745	1	Q601	B1D
902	3410001000020	Transistor 2SA1745	1	Q603	B3G
903	3410001000020	Transistor 2SA1745	1	Q606	B2B
904	3410001000020	Transistor 2SA1745	1	Q607	B3C
905	3411002000020	Transistor 2SC5343EG	1	Q416	T2B
906	3418001000010	Transistor AT-41511-TR1G	1	Q410	T3B
907	3499000000140	Transistor 2SK508-K52-T1B-A	1	Q101	T3E
908	3499000000140	Transistor 2SK508-K52-T1B-A	1	Q103	T4E
909	3499000000150	Transistor UMC4(NTR)	1	Q102	T5E
910	3501020000030	FET 3SK318YB-TL-E-Q	1	Q415	T2D
911	3503010000010	FET 2SJ243-T1-A	1	Q110	T5E
912	3503010000010	FET 2SJ243-T1-A	1	Q616	B2C
913	3503020000030	FET 2SK1824-T1-A	1	Q203	T3H
914	3503020000030	FET 2SK1824-T1-A	1	Q204	T1H
915	3503020000030	FET 2SK1824-T1-A	1	Q206	T3G
916	3503020000030	FET 2SK1824-T1-A	1	Q408	B4D
917	3503020000030	FET 2SK1824-T1-A	1	Q604	B2G
918	3503020000030	FET 2SK1824-T1-A	1	Q605	B2G
919	3503040000010	FET UPA672T-T1-A	1	Q618	B2C
920	3504990000010	FET RD01MUS2-T113	1	Q404	T4D
921	3515990000000	FET RQA0002DNSTB-E	1	Q409	T5C
922	3602023005740	Audio amplifier TDA8547TS 2x0.7W	1	U609	B1B
923	3603002005440	IF Processor TA31136FNG(EL.HZ)	1	U403	T1E
924	3604025004350	PLL ADF4111BRUZ 1.2GHz	1	U101	T5G

No.	Material No.	Description	Qty.	Ref.No.	Address
925	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U201	T2G
926	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U204	B3D
927	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U205	T2I
928	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U206	T2I
929	3605008005070	Operational amplifier NJM2904V	1	U401	B4D
930	3608015000000	Power management IC(voltage regulator)	1	U602	B2G
931	3608015005590	Power management IC XC6201T302PR	1	U601	B1D
932	3608015005590	Power management IC XC6201T302PR	1	U701	B3F
933	3608020005750	Power management IC TK11250CM-G	1	U603	B3B
934	3608020005750	Power management IC TK11250CM-G	1	U604	B3E
935	3609006003050	Reset IC R3111N421A-TR-F	1	U607	B4I
936	3609018000010	DTMF Decoder BU8872FS SSOP-A16	1	U202	T4I
937	3609120000000	Acceleration sensor MXD2020ML	1	U608	B4G
938	3609120000000	Acceleration sensor MXD2020ML	1	U608	B4G
939	3610045000200	SCM M3062LFGPGP 16-BIT	1	U605	B3H
940	3612051000020	Memory 24FC512-I/SM 512K	1	U606	B1H
941	3613034001060	Baseband processor AK2346-E2	1	U203	T2H
942	3613034001060	Baseband processor AK2346-E2	1	U208	T1H
943	3701016850010	TCXO 16.8MHz	1	X101	T4G
944	3701041940010	Crystal 4.194304MHz	1	X201	T5I
945	3701098340010	Crystal 9.8304MHz	1	X601	B2I
946	3701443940010	Crystal oscillator 44.395MHz±10PPm	1	X401	T1E
947	3702368630020	Crystal 3.6864MHz	1	X202	T1G
948	3801045530000	Ceramic filter 455KHz±4.5KHz	1	Z403	T1F
949	3802448540000	Crystal filter 44.85MHz±6kHz	1	XF401	T1D
950	40990000000050	Fuse 046602.5NR 2.5A/32V	1	F601	B2A
951	43010800000020	Momentary contact switch	1	SW719	B4A
952	5202010100010	Socket XF2M-1015-1A	1	J701	B3E
953	5202020100040	Connector XF2M-2015-1A	1	J602	B2C
954	5207014200020	FFC/FPC connector SD-52745-1497	1	J702	B2E
955	41007801001B0	TC-780V Main board PCB 1.2T/6L/4P	1		

TC-780 U1 Parts List 1 (Main Board Unit)

No.	Material No.	Description	Qty.	Ref.No.	Address
1	3001050000000	Chip resistor 0402 0Ω	1	C284	T3I
2	3001050000000	Chip resistor 0402 0Ω	1	R102	T4F
3	3001050000000	Chip resistor 0402 0Ω	1	R139	T4G
4	3001050000000	Chip resistor 0402 0Ω	1	R140	T4G
5	3001050000000	Chip resistor 0402 0Ω	1	R210	B1A
6	3001050000000	Chip resistor 0402 0Ω	1	R240	B3D
7	3001050000000	Chip resistor 0402 0Ω	1	R244	T3I
8	3001050000000	Chip resistor 0402 0Ω	1	R252	T3H
9	3001050000000	Chip resistor 0402 0Ω	1	R261	T2I
10	3001050000000	Chip resistor 0402 0Ω	1	R299	B3D
11	3001050000000	Chip resistor 0402 0Ω	1	R303	T2H
12	3001050000000	Chip resistor 0402 0Ω	1	R402	T3D
13	3001050000000	Chip resistor 0402 0Ω	1	R409	T3C
14	3001050000000	Chip resistor 0402 0Ω	1	R439	B4D
15	3001050000000	Chip resistor 0402 0Ω	1	R452	T3B
16	3001050000000	Chip resistor 0402 0Ω	1	R472	T2D
17	3001050000000	Chip resistor 0402 0Ω	1	R481	T2D
18	3001050000000	Chip resistor 0402 0Ω	1	R499	T2C
19	3001050000000	Chip resistor 0402 0Ω	1	R636	B3I
20	3001050000000	Chip resistor 0402 0Ω	1	R710	B4E
21	3001051000000	Chip resistor 0402 10Ω	1	R120	T3E
22	3001051000000	Chip resistor 0402 10Ω	1	R122	T3G
23	3001051000000	Chip resistor 0402 10Ω	1	R130	T5G
24	3001051000000	Chip resistor 0402 10Ω	1	R132	T5G
25	3001051000000	Chip resistor 0402 10Ω	1	R138	T4G
26	3001051000000	Chip resistor 0402 10Ω	1	R470	T2E
27	3001051000000	Chip resistor 0402 10Ω	1	R621	B1A
28	3001051000000	Chip resistor 0402 10Ω	1	R641	B5G
29	3001051000000	Chip resistor 0402 10Ω	1	R665	B1B
30	3001051010000	Chip resistor 0402 100Ω	1	R108	T5E
31	3001051010000	Chip resistor 0402 100Ω	1	R113	T4E
32	3001051010000	Chip resistor 0402 100Ω	1	R115	T3E
33	3001051010000	Chip resistor 0402 100Ω	1	R204	B1A
34	3001051010000	Chip resistor 0402 100Ω	1	R236	B2D
35	3001051010000	Chip resistor 0402 100Ω	1	R237	B2D
36	3001051020010	Chip resistor 0402 1KΩ	1	R106	T5E
37	3001051020010	Chip resistor 0402 1KΩ	1	R133	T5F
38	3001051020010	Chip resistor 0402 1KΩ	1	R205	T1H
39	3001051020010	Chip resistor 0402 1KΩ	1	R209	B1A
40	3001051020010	Chip resistor 0402 1KΩ	1	R215	T4I
41	3001051020010	Chip resistor 0402 1KΩ	1	R245	T3H
42	3001051020010	Chip resistor 0402 1KΩ	1	R286	T2I

No.	Material No.	Description	Qty.	Ref.No.	Address
43	3001051020010	Chip resistor 0402 1K Ω	1	R296	B2D
44	3001051020010	Chip resistor 0402 1K Ω	1	R305	T3I
45	3001051020010	Chip resistor 0402 1K Ω	1	R441	B4D
46	3001051020010	Chip resistor 0402 1K Ω	1	R454	T3B
47	3001051020010	Chip resistor 0402 1K Ω	1	R458	T2B
48	3001051020010	Chip resistor 0402 1K Ω	1	R479	T2G
49	3001051020010	Chip resistor 0402 1K Ω	1	R624	B2I
50	3001051020010	Chip resistor 0402 1K Ω	1	R625	B5H
51	3001051020010	Chip resistor 0402 1K Ω	1	R628	B3I
52	3001051020010	Chip resistor 0402 1K Ω	1	R629	B2I
53	3001051020010	Chip resistor 0402 1K Ω	1	R631	B3G
54	3001051020010	Chip resistor 0402 1K Ω	1	R645	B3G
55	3001051020010	Chip resistor 0402 1K Ω	1	R646	B4H
56	3001051020010	Chip resistor 0402 1K Ω	1	R650	B4G
57	3001051020010	Chip resistor 0402 1K Ω	1	R656	B4H
58	3001051020010	Chip resistor 0402 1K Ω	1	R659	B2H
59	3001051020010	Chip resistor 0402 1K Ω	1	R677	B1C
60	3001051020010	Chip resistor 0402 1K Ω	1	R679	B1C
61	3001051020010	Chip resistor 0402 1K Ω	1	R701	B1F
62	3001051030000	Chip resistor 0402 10K Ω	1	R101	T4F
63	3001051030000	Chip resistor 0402 10K Ω	1	R116	T3E
64	3001051030000	Chip resistor 0402 10K Ω	1	R123	T3F
65	3001051030000	Chip resistor 0402 10K Ω	1	R127	T4G
66	3001051030000	Chip resistor 0402 10K Ω	1	R131	T3G
67	3001051030000	Chip resistor 0402 10K Ω	1	R135	T5G
68	3001051030000	Chip resistor 0402 10K Ω	1	R144	T4G
69	3001051030000	Chip resistor 0402 10K Ω	1	R217	T3I
70	3001051030000	Chip resistor 0402 10K Ω	1	R219	T3I
71	3001051030000	Chip resistor 0402 10K Ω	1	R229	T2H
72	3001051030000	Chip resistor 0402 10K Ω	1	R230	T2H
73	3001051030000	Chip resistor 0402 10K Ω	1	R235	B2D
74	3001051030000	Chip resistor 0402 10K Ω	1	R246	T3H
75	3001051030000	Chip resistor 0402 10K Ω	1	R248	T3H
76	3001051030000	Chip resistor 0402 10K Ω	1	R253	T3H
77	3001051030000	Chip resistor 0402 10K Ω	1	R277	T2I
78	3001051030000	Chip resistor 0402 10K Ω	1	R280	T2I
79	3001051030000	Chip resistor 0402 10K Ω	1	R284	T2I
80	3001051030000	Chip resistor 0402 10K Ω	1	R287	T2I
81	3001051030000	Chip resistor 0402 10K Ω	1	R290	B1B
82	3001051030000	Chip resistor 0402 10K Ω	1	R300	B2D
83	3001051030000	Chip resistor 0402 10K Ω	1	R435	B5D
84	3001051030000	Chip resistor 0402 10K Ω	1	R482	T3D

No.	Material No.	Description	Qty.	Ref.No.	Address
85	3001051030000	Chip resistor 0402 10K Ω	1	R492	T1E
86	3001051030000	Chip resistor 0402 10K Ω	1	R606	B2G
87	3001051030000	Chip resistor 0402 10K Ω	1	R618	B3E
88	3001051030000	Chip resistor 0402 10K Ω	1	R658	B3I
89	3001051030000	Chip resistor 0402 10K Ω	1	R670	B1B
90	3001051030000	Chip resistor 0402 10K Ω	1	R671	B1B
91	3001051030000	Chip resistor 0402 10K Ω	1	R708	B4E
92	3001051030000	Chip resistor 0402 10K Ω	1	R709	B4E
93	3001051030000	Chip resistor 0402 10K Ω	1	R711	B3E
94	3001051030000	Chip resistor 0402 10K Ω	1	R310	T1H
95	3001051030000	Chip resistor 0402 10K Ω	1	R309	T1H
96	3001051030000	Chip resistor 0402 10K Ω	1	R308	T1H
97	3001051040010	Chip resistor 0402 100K Ω	1	R105	T5E
98	3001051040010	Chip resistor 0402 100K Ω	1	R110	T5E
99	3001051040010	Chip resistor 0402 100K Ω	1	R121	T3F
100	3001051040010	Chip resistor 0402 100K Ω	1	R241	B3D
101	3001051040010	Chip resistor 0402 100K Ω	1	R265	T2I
102	3001051040010	Chip resistor 0402 100K Ω	1	R273	T2G
103	3001051040010	Chip resistor 0402 100K Ω	1	R275	T2H
104	3001051040010	Chip resistor 0402 100K Ω	1	R281	T2H
105	3001051040010	Chip resistor 0402 100K Ω	1	R298	B3D
106	3001051040010	Chip resistor 0402 100K Ω	1	R306	B3D
107	3001051040010	Chip resistor 0402 100K Ω	1	R440	B4D
108	3001051040010	Chip resistor 0402 100K Ω	1	R442	T3C
109	3001051040010	Chip resistor 0402 100K Ω	1	R455	T3C
110	3001051040010	Chip resistor 0402 100K Ω	1	R491	T1E
111	3001051040010	Chip resistor 0402 100K Ω	1	R497	T2C
112	3001051040010	Chip resistor 0402 100K Ω	1	R609	B2G
113	3001051040010	Chip resistor 0402 100K Ω	1	R633	B4I
114	3001051040010	Chip resistor 0402 100K Ω	1	R675	B2C
115	3001051040010	Chip resistor 0402 100K Ω	1	R676	B2C
116	3001051050020	Chip resistor 0402 1M Ω	1	R239	B3D
117	3001051050020	Chip resistor 0402 1M Ω	1	R274	T1G
118	3001051050020	Chip resistor 0402 1M Ω	1	R285	T2I
119	3001051050020	Chip resistor 0402 1M Ω	1	R436	B4D
120	3001051050020	Chip resistor 0402 1M Ω	1	R615	B3B
121	3001051050020	Chip resistor 0402 1M Ω	1	R617	B3E
122	3001051050020	Chip resistor 0402 1M Ω	1	R312	T1H
123	3001051060000	Chip resistor 0402 10M	1	R716	B3E
124	3001051220000	Chip resistor 0402 1.2K Ω	1	R143	T5F
125	3001051230000	Chip resistor 0402 12K Ω	1	R503	T1E
126	3001051230000	Chip resistor 0402 12K Ω	1	R668	B1A

No.	Material No.	Description	Qty.	Ref.No.	Address
127	3001051230000	Chip resistor 0402 12K Ω	1	R669	B1A
128	3001051240000	Chip resistor 0402 120K Ω	1	R147	T5G
129	3001051240000	Chip resistor 0402 120K Ω	1	R289	T3H
130	3001051240000	Chip resistor 0402 120K Ω	1	R294	T3H
131	3001051510000	Chip resistor 0402 150 Ω	1	R107	T4E
132	3001051510000	Chip resistor 0402 150 Ω	1	R459	T2B
133	3001051510000	Chip resistor 0402 150 Ω	1	R494	T2D
134	3001051520000	Chip resistor 0402 1.5K Ω	1	R406	T4D
135	3001051520000	Chip resistor 0402 1.5K Ω	1	R673	B3C
136	3001051520000	Chip resistor 0402 1.5K Ω	1	R714	B4E
137	3001051530000	Chip resistor 0402 15K Ω	1	R150	T5H
138	3001051530000	Chip resistor 0402 15K Ω	1	R221	T3I
139	3001051530000	Chip resistor 0402 15K Ω	1	R243	B3D
140	3001051530000	Chip resistor 0402 15K Ω	1	R251	T3H
141	3001051530000	Chip resistor 0402 15K Ω	1	R256	T3H
142	3001051530000	Chip resistor 0402 15K Ω	1	R258	T3H
143	3001051530000	Chip resistor 0402 15K Ω	1	R301	T3G
144	3001051530000	Chip resistor 0402 15K Ω	1	R421	T5D
145	3001051530000	Chip resistor 0402 15K Ω	1	R712	B4E
146	3001051530000	Chip resistor 0402 15K Ω	1	R713	B4E
147	3001051530000	Chip resistor 0402 15K Ω	1	R715	B3E
148	3001051540000	Chip resistor 0402 150K Ω	1	R425	B5D
149	3001051540000	Chip resistor 0402 150K Ω	1	R426	B4D
150	3001051540000	Chip resistor 0402 150K Ω	1	R427	B5D
151	3001051540000	Chip resistor 0402 150K Ω	1	R428	B5D
152	3001051540000	Chip resistor 0402 150K Ω	1	R429	B5D
153	3001051540000	Chip resistor 0402 150K Ω	1	R430	B5D
154	3001051540020	Chip resistor 0402 150K Ω	1	R134	T5F
155	3001051540020	Chip resistor 0402 150K Ω	1	R282	T1I
156	3001051540020	Chip resistor 0402 150K Ω	1	R283	T2I
157	3001051540020	Chip resistor 0402 150K Ω	1	R495	T3C
158	3001051540020	Chip resistor 0402 150K Ω	1	R496	T2C
159	3001051810010	Chip resistor 0402 180 Ω	1	R103	T4F
160	3001051810010	Chip resistor 0402 180 Ω	1	R654	B2A
161	3001051830000	Chip resistor 0402 18K Ω	1	R224	T3G
162	3001051830000	Chip resistor 0402 18K Ω	1	R225	T2G
163	3001051830000	Chip resistor 0402 18K Ω	1	R242	B3D
164	3001051830000	Chip resistor 0402 18K Ω	1	R268	T2I
165	3001051830000	Chip resistor 0402 18K Ω	1	R269	T3I
166	3001051840000	Chip resistor 0402 180K Ω	1	R145	T5H
167	3001051840000	Chip resistor 0402 180K Ω	1	R263	T2I
168	3001051840000	Chip resistor 0402 180K Ω	1	R264	T3I

No.	Material No.	Description	Qty.	Ref.No.	Address
169	3001051840000	Chip resistor 0402 180K Ω	1	R498	T2C
170	3001052200000	Chip resistor 0402 22 Ω	1	R129	T3G
171	3001052200000	Chip resistor 0402 22 Ω	1	R407	T4D
172	3001052210000	Chip resistor 0402 220 Ω	1	R291	T3I
173	3001052210000	Chip resistor 0402 220 Ω	1	R657	B2A
174	3001052220000	Chip resistor 0402 2.2K Ω	1	R434	B5D
175	3001052220000	Chip resistor 0402 2.2K Ω	1	R462	T2B
176	3001052220000	Chip resistor 0402 2.2K Ω	1	R493	T2D
177	3001052230010	Chip resistor 0402 22K Ω	1	R109	T5E
178	3001052230010	Chip resistor 0402 22K Ω	1	R124	T4F
179	3001052230010	Chip resistor 0402 22K Ω	1	R126	T4G
180	3001052230010	Chip resistor 0402 22K Ω	1	R128	T4G
181	3001052230010	Chip resistor 0402 22K Ω	1	R149	T5H
182	3001052230010	Chip resistor 0402 22K Ω	1	R213	T3I
183	3001052230010	Chip resistor 0402 22K Ω	1	R259	T3H
184	3001052230010	Chip resistor 0402 22K Ω	1	R262	T2I
185	3001052230010	Chip resistor 0402 22K Ω	1	R276	T2H
186	3001052230010	Chip resistor 0402 22K Ω	1	R278	T2I
187	3001052230010	Chip resistor 0402 22K Ω	1	R302	T3G
188	3001052230010	Chip resistor 0402 22K Ω	1	R474	T2F
189	3001052230010	Chip resistor 0402 22K Ω	1	R475	T2F
190	3001052230010	Chip resistor 0402 22K Ω	1	R476	T2F
191	3001052230010	Chip resistor 0402 22K Ω	1	R477	T2G
192	3001052230010	Chip resistor 0402 22K Ω	1	R672	B2B
193	3001052240000	Chip resistor 0402 220K Ω	1	R438	B4D
194	3001052240000	Chip resistor 0402 220K Ω	1	R610	B2G
195	3001052240000	Chip resistor 0402 220K Ω	1	R619	B3A
196	3001052240000	Chip resistor 0402 220K Ω	1	R620	B4A
197	3001052240000	Chip resistor 0402 220K Ω	1	R626	B5H
198	3001052710010	Chip resistor 0402 270 Ω	1	R125	T4G
199	3001052710010	Chip resistor 0402 270 Ω	1	R432	T4C
200	3001052710010	Chip resistor 0402 270 Ω	1	R433	T4C
201	3001052720000	Chip resistor 0402 2.7K Ω	1	R297	B2D
202	3001052720000	Chip resistor 0402 2.7K Ω	1	R312	T3H
203	3001052720000	Chip resistor 0402 2.7K Ω	1	R484	T2E
204	3001052730000	Chip resistor 0402 27K Ω	1	R238	B3D
205	3001052730000	Chip resistor 0402 27K Ω	1	R249	T2H
206	3001052730000	Chip resistor 0402 27K Ω	1	R255	B3D
207	3001052790000	Chip resistor 0402 2.7 Ω	1	R104	T3E
208	3001053030000	Chip resistor 0402 30K Ω	1	R437	B4D
209	3001053310010	Chip resistor 0402 330 Ω	1	R114	T4E
210	3001053310010	Chip resistor 0402 330 Ω	1	R408	T3D

No.	Material No.	Description	Qty.	Ref.No.	Address
211	3001053310010	Chip resistor 0402 330Ω	1	R449	T2B
212	3001053310010	Chip resistor 0402 330Ω	1	R501	T2D
213	3001053320000	Chip resistor 0402 3.3KΩ	1	R118	T3E
214	3001053320000	Chip resistor 0402 3.3KΩ	1	R119	T3E
215	3001053320000	Chip resistor 0402 3.3KΩ	1	R137	T4G
216	3001053320000	Chip resistor 0402 3.3KΩ	1	R401	T3D
217	3001053320000	Chip resistor 0402 3.3KΩ	1	R417	B4D
218	3001053320000	Chip resistor 0402 3.3KΩ	1	R487	T2E
219	3001053320000	Chip resistor 0402 3.3KΩ	1	R489	T2E
220	3001053320000	Chip resistor 0402 3.3KΩ	1	R490	T2E
221	3001053330010	Chip resistor 0402 33KΩ	1	R117	T3E
222	3001053330010	Chip resistor 0402 33KΩ	1	R212	T3I
223	3001053330010	Chip resistor 0402 33KΩ	1	R214	T4I
224	3001053330010	Chip resistor 0402 33KΩ	1	R222	T2G
225	3001053330010	Chip resistor 0402 33KΩ	1	R226	T2E
226	3001053340000	Chip resistor 0402 330KΩ	1	R112	T4E
227	3001053340000	Chip resistor 0402 330KΩ	1	R247	T3H
228	3001053340000	Chip resistor 0402 330KΩ	1	R292	T3H
229	3001053340000	Chip resistor 0402 330KΩ	1	R627	B5H
230	3001053910000	Chip resistor 0402 390Ω	1	R416	B4D
231	3001053930000	Chip resistor 0402 39KΩ	1	R148	T5H
232	3001053940000	Chip resistor 0402 390KΩ	1	R266	T2I
233	3001054320000	Chip resistor 0402 4.3KΩ	1	R453	T3B
234	3001054700000	Chip resistor 0402 47Ω	1	R413	T5D
235	3001054700000	Chip resistor 0402 47Ω	1	R471	T2C
236	3001054710000	Chip resistor 0402 470Ω	1	R674	B3C
237	3001054720000	Chip resistor 0402 4.7KΩ	1	R111	T4E
238	3001054720000	Chip resistor 0402 4.7KΩ	1	R136	T4G
239	3001054720000	Chip resistor 0402 4.7KΩ	1	R206	T1H
240	3001054720000	Chip resistor 0402 4.7KΩ	1	R216	T3I
241	3001054720000	Chip resistor 0402 4.7KΩ	1	R220	B2B
242	3001054720000	Chip resistor 0402 4.7KΩ	1	R232	B3D
243	3001054720000	Chip resistor 0402 4.7KΩ	1	R234	B2D
244	3001054720000	Chip resistor 0402 4.7KΩ	1	R270	B3D
245	3001054720000	Chip resistor 0402 4.7KΩ	1	R279	T2I
246	3001054720000	Chip resistor 0402 4.7KΩ	1	R473	T1F
247	3001054720000	Chip resistor 0402 4.7KΩ	1	R478	T2F
248	3001054720000	Chip resistor 0402 4.7KΩ	1	R486	T2E
249	3001054720000	Chip resistor 0402 4.7KΩ	1	R602	B1D
250	3001054720000	Chip resistor 0402 4.7KΩ	1	R604	B3G
251	3001054720000	Chip resistor 0402 4.7KΩ	1	R612	B2B
252	3001054720000	Chip resistor 0402 4.7KΩ	1	R614	B3C

No.	Material No.	Description	Qty.	Ref.No.	Address
253	3001054720000	Chip resistor 0402 4.7K Ω	1	R717	B1F
254	3001054730000	Chip resistor 0402 47K Ω	1	R218	T3I
255	3001054730000	Chip resistor 0402 47K Ω	1	R231	T2H
256	3001054730000	Chip resistor 0402 47K Ω	1	R257	T3H
257	3001054730000	Chip resistor 0402 47K Ω	1	R414	T5D
258	3001054730000	Chip resistor 0402 47K Ω	1	R415	T5D
259	3001054730000	Chip resistor 0402 47K Ω	1	R488	T2E
260	3001054730000	Chip resistor 0402 47K Ω	1	R601	B1D
261	3001054730000	Chip resistor 0402 47K Ω	1	R603	B3G
262	3001054730000	Chip resistor 0402 47K Ω	1	R608	B2G
263	3001054730000	Chip resistor 0402 47K Ω	1	R611	B2B
264	3001054730000	Chip resistor 0402 47K Ω	1	R613	B3C
265	3001054730000	Chip resistor 0402 47K Ω	1	R616	B3A
266	3001054730000	Chip resistor 0402 47K Ω	1	R630	B2H
267	3001054730000	Chip resistor 0402 47K Ω	1	R632	B3I
268	3001054730000	Chip resistor 0402 47K Ω	1	R634	B3G
269	3001054730000	Chip resistor 0402 47K Ω	1	R638	B4H
270	3001054730000	Chip resistor 0402 47K Ω	1	R639	B4G
271	3001054730000	Chip resistor 0402 47K Ω	1	R640	B1H
272	3001054730000	Chip resistor 0402 47K Ω	1	R647	B3G
273	3001054730000	Chip resistor 0402 47K Ω	1	R648	B3G
274	3001054730000	Chip resistor 0402 47K Ω	1	R649	B2G
275	3001054730000	Chip resistor 0402 47K Ω	1	R651	B3I
276	3001054730000	Chip resistor 0402 47K Ω	1	R652	B3G
277	3001054730000	Chip resistor 0402 47K Ω	1	R660	B2H
278	3001054740000	Chip resistor 0402 470K Ω	1	R445	T3A
279	3001054740000	Chip resistor 0402 470K Ω	1	R446	T3A
280	3001054740000	Chip resistor 0402 470K Ω	1	R447	T3B
281	3001054740000	Chip resistor 0402 470K Ω	1	R456	T3C
282	3001054740000	Chip resistor 0402 470K Ω	1	R457	T2C
283	3001054740000	Chip resistor 0402 470K Ω	1	R500	T3C
284	3001054740000	Chip resistor 0402 470K Ω	1	R607	B2G
285	3001055130010	Chip resistor 0402 51K Ω	1	R250	T3H
286	3001055130010	Chip resistor 0402 51K Ω	1	R460	T2B
287	3001055600000	Chip resistor 0402 56 Ω	1	R706	B3E
288	3001055610000	Chip resistor 0402 560 Ω	1	R141	T4F
289	3001055610000	Chip resistor 0402 560 Ω	1	R467	T1D
290	3001055610000	Chip resistor 0402 560 Ω	1	R469	T1D
291	3001055630000	Chip resistor 0402 56K Ω	1	R271	T2H
292	3001055630000	Chip resistor 0402 56K Ω	1	R272	T2H
293	3001056810000	Chip resistor 0402 680 Ω	1	R405	T4D
294	3001056820000	Chip resistor 0402 6.8K Ω	1	R254	T3G

No.	Material No.	Description	Qty.	Ref.No.	Address
295	3001056820000	Chip resistor 0402 6.8K Ω	1	R450	T3B
296	3001056820000	Chip resistor 0402 6.8K Ω	1	R451	T3B
297	3001056820000	Chip resistor 0402 6.8K Ω	1	R502	T1E
298	3001056830000	Chip resistor 0402 68K Ω	1	R223	T2G
299	3001056830000	Chip resistor 0402 68K Ω	1	R228	T2H
300	3001056840000	Chip resistor 0402 680K Ω	1	R468	T1E
301	3001056840000	Chip resistor 0402 680K Ω	1	R605	B2G
302	3001056840000	Chip resistor 0402 680K Ω	1	R666	B1B
303	3001056840000	Chip resistor 0402 680K Ω	1	R667	B1B
304	3001058220000	Chip resistor 0402 8.2K Ω	1	R208	B1A
305	3001058220000	Chip resistor 0402 8.2K Ω	1	R304	T3H
306	3001058230000	Chip resistor 0402 82K Ω	1	R227	T2G
307	3001058230000	Chip resistor 0402 82K Ω	1	R233	B2D
308	3001058230000	Chip resistor 0402 82K Ω	1	R267	T2I
309	3001058230000	Chip resistor 0402 82K Ω	1	R288	T3H
310	3001058230000	Chip resistor 0402 82K Ω	1	R483	T2E
311	3001058230000	Chip resistor 0402 82K Ω	1	R485	T2E
312	3001059130000	Chip resistor 0402 91K Ω	1	R146	T4G
313	3001059130000	Chip resistor 0402 91K Ω	1	R260	T3H
314	3001059130000	Chip resistor 0402 91K Ω	1	R461	T2B
315	3001063330000	Chip resistor 0603 33K Ω	1	R420	T5D
316	3001064700000	Chip resistor 0603 47 Ω	1	R419	T5D
317	3001070000000	Chip resistor 0805 0 Ω	1	L434	T5A
318	3001070000000	Chip resistor 0805 0 Ω	1	R431	T5B
319	3001082010000	Chip resistor 1206 200 Ω	1	R678	B1D
320	3001082010000	Chip resistor 1206 200 Ω	1	R680	B1D
321	3002996830000	Trimmer resistor(2*2) 68K Ω (+25%)	1	RP101	T5H
322	3002996830000	Trimmer resistor(2*2) 68K Ω (+25%)	1	RP201	T4H
323	3003994730000	Thermistor 0603 47K Ω	1	RT401	T4D
324	3003994730000	Thermistor 0603 47K Ω	1	RT402	T2B
325	3005051020000	Resistor array 0402 1K*2 *2	1	RN602	B2I
326	3005051020000	Resistor array 0402 1K*2 *2	1	RN607	B2G
327	3005051020000	Resistor array 0402 1K*2 *2	1	RN609	B2G
328	3005051020000	Resistor array 0402 1K*2 *2	1	RN617	B4I
329	3005051020000	Resistor array 0402 1K*2 *2	1	RN619	B3I
330	3005051020000	Resistor array 0402 1K*2 *2	1	RN620	B2G
331	3005051020000	Resistor array 0402 1K*2 *2	1	RN625	B2H
332	3005051020000	Resistor array 0402 1K*2 *2	1	RN626	B4H
333	3005051020010	Resistor array 0402 1K*4 *4	1	RN601	B3I
334	3005051020010	Resistor array 0402 1K*4 *4	1	RN603	B2H
335	3005051020010	Resistor array 0402 1K*4 *4	1	RN604	B2H
336	3005051020010	Resistor array 0402 1K*4 *4	1	RN606	B2H

No.	Material No.	Description	Qty.	Ref.No.	Address
337	3005051020010	Resistor array 0402 1K*4 *4	1	RN608	B2G
338	3005051020010	Resistor array 0402 1K*4 *4	1	RN612	B3G
339	3005051020010	Resistor array 0402 1K*4 *4	1	RN616	B4H
340	3005051020010	Resistor array 0402 1K*4 *4	1	RN618	B2H
341	3005051020010	Resistor array 0402 1K*4 *4	1	RN621	B3G
342	3005051020010	Resistor array 0402 1K*4 *4	1	RN622	B4G
343	3005051020010	Resistor array 0402 1K*4 *4	1	RN623	B4H
344	3005051020010	Resistor array 0402 1K*4 *4	1	RN624	B2I
345	3005051030010	Resistor array 0402 10KΩ*4	1	RN611	B3G
346	3099080398000	Chip resistor 1206 0.39Ω	1	R422	B4B
347	3099080398000	Chip resistor 1206 0.39Ω	1	R423	B4B
348	3099080398000	Chip resistor 1206 0.39Ω	1	R424	B3B
349	3101050100030	Chip capacitor 0402 1PF	1	C478	T3D
350	3101050100030	Chip capacitor 0402 1PF	1	C490	T1D
351	3101050100030	Chip capacitor 0402 1PF	1	C493	T1D
352	3101050200010	Chip capacitor 0402 2PF	1	C450	T4B
353	3101050200010	Chip capacitor 0402 2PF	1	C479	T3D
354	3101050200010	Chip capacitor 0402 2PF	1	C481	T2D
355	3101050300000	Chip capacitor 0402 3PF	1	C142	T4G
356	3101050300000	Chip capacitor 0402 3PF	1	C151	T3G
357	3101050400010	Chip capacitor 0402 4PF	1	C103	T3E
358	3101050400010	Chip capacitor 0402 4PF	1	C113	T5F
359	3101050400010	Chip capacitor 0402 4PF	1	C470	T3C
360	3101050500010	Chip capacitor 0402 5PF	1	C143	T4G
361	3101050500010	Chip capacitor 0402 5PF	1	C153	T3G
362	3101050600010	Chip capacitor 0402 6PF	1	C129	T4E
363	3101050600010	Chip capacitor 0402 6PF	1	C133	T3E
364	3101050600010	Chip capacitor 0402 6PF	1	C455	T3B
365	3101050600010	Chip capacitor 0402 6PF	1	C531	T3B
366	3101050700010	Chip capacitor 0402 7PF	1	C471	T2C
367	3101050800000	Chip capacitor 0402 8PF	1	C403	T4D
368	3101050800000	Chip capacitor 0402 8PF	1	C469	T2C
369	3101050800000	Chip capacitor 0402 8PF	1	C474	T3B
370	3101050800000	Chip capacitor 0402 8PF	1	C477	T3D
371	3101050800000	Chip capacitor 0402 8PF	1	C534	T3C
372	3101050900000	Chip capacitor 0402 9PF	1	C480	T3D
373	3101050900000	Chip capacitor 0402 9PF	1	C525	T2D
374	3101051000020	Chip capacitor 0402 10PF	1	C173	T4H
375	3101051000020	Chip capacitor 0402 10PF	1	C174	T4G
376	3101051000020	Chip capacitor 0402 10PF	1	C453	T4B
377	3101051000020	Chip capacitor 0402 10PF	1	C459	T3B
378	3101051000020	Chip capacitor 0402 10PF	1	C517	T3D

No.	Material No.	Description	Qty.	Ref.No.	Address
379	3101051010030	Chip capacitor 0402 100PF	1	C162	T5G
380	3101051010030	Chip capacitor 0402 100PF	1	C163	T5G
381	3101051010030	Chip capacitor 0402 100PF	1	C164	T5G
382	3101051010030	Chip capacitor 0402 100PF	1	C166	T4G
383	3101051010030	Chip capacitor 0402 100PF	1	C427	B5D
384	3101051010030	Chip capacitor 0402 100PF	1	C461	T2B
385	3101051010030	Chip capacitor 0402 100PF	1	C463	T2B
386	3101051010030	Chip capacitor 0402 100PF	1	C473	T2A
387	3101051010030	Chip capacitor 0402 100PF	1	C475	T2B
388	3101051010030	Chip capacitor 0402 100PF	1	C498	T1E
389	3101051010030	Chip capacitor 0402 100PF	1	C639	T4I
390	3101051010030	Chip capacitor 0402 100PF	1	C640	T4H
391	3101051010030	Chip capacitor 0402 100PF	1	C643	T4H
392	3101051010030	Chip capacitor 0402 100PF	1	C646	T4H
393	3101051010030	Chip capacitor 0402 100PF	1	C647	T4H
394	3101051010030	Chip capacitor 0402 100PF	1	C648	B4H
395	3101051010030	Chip capacitor 0402 100PF	1	C649	T4I
396	3101051010030	Chip capacitor 0402 100PF	1	C650	T4H
397	3101051010030	Chip capacitor 0402 100PF	1	C651	T4H
398	3101051010030	Chip capacitor 0402 100PF	1	C652	T4H
399	3101051010030	Chip capacitor 0402 100PF	1	C653	T4H
400	3101051010030	Chip capacitor 0402 100PF	1	C654	T4H
401	3101051010030	Chip capacitor 0402 100PF	1	C655	T4H
402	3101051010030	Chip capacitor 0402 100PF	1	C656	T4H
403	3101051010030	Chip capacitor 0402 100PF	1	C657	T4I
404	3101051010030	Chip capacitor 0402 100PF	1	C658	B4H
405	3101051010030	Chip capacitor 0402 100PF	1	C659	B4H
406	3101051010030	Chip capacitor 0402 100PF	1	C660	T4I
407	3101051010030	Chip capacitor 0402 100PF	1	C661	T4I
408	3101051010030	Chip capacitor 0402 100PF	1	C673	B1C
409	3101051010030	Chip capacitor 0402 100PF	1	C674	B1C
410	3101051010030	Chip capacitor 0402 100PF	1	C675	B1C
411	3101051010030	Chip capacitor 0402 100PF	1	C676	B1C
412	3101051010030	Chip capacitor 0402 100PF	1	C677	B2D
413	3101051010030	Chip capacitor 0402 100PF	1	C678	B2C
414	3101051010030	Chip capacitor 0402 100PF	1	C679	B2C
415	3101051010030	Chip capacitor 0402 100PF	1	C680	B3C
416	3101051010030	Chip capacitor 0402 100PF	1	C681	B2D
417	3101051010030	Chip capacitor 0402 100PF	1	C682	B1C
418	3101051010030	Chip capacitor 0402 100PF	1	C683	B2C
419	3101051010030	Chip capacitor 0402 100PF	1	C684	B2C
420	3101051010030	Chip capacitor 0402 100PF	1	C703	B4E

No.	Material No.	Description	Qty.	Ref.No.	Address
421	3101051010030	Chip capacitor 0402 100PF	1	C704	B4E
422	3101051010030	Chip capacitor 0402 100PF	1	C706	B3E
423	3101051010030	Chip capacitor 0402 100PF	1	C714	B4F
424	3101051010030	Chip capacitor 0402 100PF	1	C715	B4F
425	3101051010030	Chip capacitor 0402 100PF	1	C716	B4F
426	3101051020010	Chip capacitor 0402 1000PF	1	C101	T4F
427	3101051020010	Chip capacitor 0402 1000PF	1	C108	T3E
428	3101051020010	Chip capacitor 0402 1000PF	1	C119	T4F
429	3101051020010	Chip capacitor 0402 1000PF	1	C137	T3G
430	3101051020010	Chip capacitor 0402 1000PF	1	C155	T3G
431	3101051020010	Chip capacitor 0402 1000PF	1	C165	T4G
432	3101051020010	Chip capacitor 0402 1000PF	1	C175	T4G
433	3101051020010	Chip capacitor 0402 1000PF	1	C176	T4G
434	3101051020010	Chip capacitor 0402 1000PF	1	C181	T4F
435	3101051020010	Chip capacitor 0402 1000PF	1	C220	T2G
436	3101051020010	Chip capacitor 0402 1000PF	1	C222	T2F
437	3101051020010	Chip capacitor 0402 1000PF	1	C238	B3D
438	3101051020010	Chip capacitor 0402 1000PF	1	C269	T2I
439	3101051020010	Chip capacitor 0402 1000PF	1	C273	T2I
440	3101051020010	Chip capacitor 0402 1000PF	1	C401	T3D
441	3101051020010	Chip capacitor 0402 1000PF	1	C410	T5D
442	3101051020010	Chip capacitor 0402 1000PF	1	C416	T5D
443	3101051020010	Chip capacitor 0402 1000PF	1	C492	T1E
444	3101051020010	Chip capacitor 0402 1000PF	1	C511	T2E
445	3101051020010	Chip capacitor 0402 1000PF	1	C601	B2A
446	3101051020010	Chip capacitor 0402 1000PF	1	C602	B2A
447	3101051020010	Chip capacitor 0402 1000PF	1	C604	B1E
448	3101051020010	Chip capacitor 0402 1000PF	1	C605	B1D
449	3101051020010	Chip capacitor 0402 1000PF	1	C606	B1D
450	3101051020010	Chip capacitor 0402 1000PF	1	C609	B2G
451	3101051020010	Chip capacitor 0402 1000PF	1	C611	B3F
452	3101051020010	Chip capacitor 0402 1000PF	1	C613	B3G
453	3101051020010	Chip capacitor 0402 1000PF	1	C615	B2B
454	3101051020010	Chip capacitor 0402 1000PF	1	C617	B2B
455	3101051020010	Chip capacitor 0402 1000PF	1	C619	B2E
456	3101051020010	Chip capacitor 0402 1000PF	1	C621	B3B
457	3101051020010	Chip capacitor 0402 1000PF	1	C624	B1A
458	3101051020010	Chip capacitor 0402 1000PF	1	C626	B1A
459	3101051020010	Chip capacitor 0402 1000PF	1	C629	B1H
460	3101051020010	Chip capacitor 0402 1000PF	1	C632	B4I
461	3101051020010	Chip capacitor 0402 1000PF	1	C633	B5H
462	3101051020010	Chip capacitor 0402 1000PF	1	C637	B3I

No.	Material No.	Description	Qty.	Ref.No.	Address
463	3101051020010	Chip capacitor 0402 1000PF	1	C664	B4A
464	3101051020010	Chip capacitor 0402 1000PF	1	C665	B1A
465	3101051020010	Chip capacitor 0402 1000PF	1	C670	B2B
466	3101051020010	Chip capacitor 0402 1000PF	1	C686	B1A
467	3101051020010	Chip capacitor 0402 1000PF	1	C687	B2E
468	3101051020010	Chip capacitor 0402 1000PF	1	C710	B3F
469	3101051020010	Chip capacitor 0402 1000PF	1	C711	B3F
470	3101051020010	Chip capacitor 0402 1000PF	1	C713	B3F
471	3101051020010	Chip capacitor 0402 1000PF	1	C723	B4A
472	3101051030020	Chip capacitor 0402 0.01UF	1	C122	T5E
473	3101051030020	Chip capacitor 0402 0.01UF	1	C213	T3I
474	3101051030020	Chip capacitor 0402 0.01UF	1	C258	T2I
475	3101051030020	Chip capacitor 0402 0.01UF	1	C267	T2I
476	3101051030020	Chip capacitor 0402 0.01UF	1	C272	T1I
477	3101051030020	Chip capacitor 0402 0.01UF	1	C280	B1B
478	3101051030020	Chip capacitor 0402 0.01UF	1	C421	T4C
479	3101051030020	Chip capacitor 0402 0.01UF	1	C425	T4C
480	3101051030020	Chip capacitor 0402 0.01UF	1	C489	T1E
481	3101051030020	Chip capacitor 0402 0.01UF	1	C496	T1F
482	3101051030020	Chip capacitor 0402 0.01UF	1	C497	T1D
483	3101051030020	Chip capacitor 0402 0.01UF	1	C500	T1E
484	3101051030020	Chip capacitor 0402 0.01UF	1	C522	T2D
485	3101051030020	Chip capacitor 0402 0.01UF	1	C523	T2D
486	3101051030020	Chip capacitor 0402 0.01UF	1	C527	T2D
487	3101051030020	Chip capacitor 0402 0.01UF	1	C630	B5G
488	3101051030020	Chip capacitor 0402 0.01UF	1	C631	B4G
489	3101051030020	Chip capacitor 0402 0.01UF	1	C638	B3G
490	3101051030020	Chip capacitor 0402 0.01UF	1	C667	B2B
491	3101051040060	Chip capacitor 0402 0.1UF	1	C110	T5E
492	3101051040060	Chip capacitor 0402 0.1UF	1	C124	T5E
493	3101051040060	Chip capacitor 0402 0.1UF	1	C135	T3E
494	3101051040060	Chip capacitor 0402 0.1UF	1	C159	T5G
495	3101051040060	Chip capacitor 0402 0.1UF	1	C161	T5F
496	3101051040060	Chip capacitor 0402 0.1UF	1	C167	T4G
497	3101051040060	Chip capacitor 0402 0.1UF	1	C177	T5H
498	3101051040060	Chip capacitor 0402 0.1UF	1	C209	T5I
499	3101051040060	Chip capacitor 0402 0.1UF	1	C215	T3I
500	3101051040060	Chip capacitor 0402 0.1UF	1	C216	B1A
501	3101051040060	Chip capacitor 0402 0.1UF	1	C239	B3D
502	3101051040060	Chip capacitor 0402 0.1UF	1	C240	B3D
503	3101051040060	Chip capacitor 0402 0.1UF	1	C246	T2H
504	3101051040060	Chip capacitor 0402 0.1UF	1	C268	T2I

No.	Material No.	Description	Qty.	Ref.No.	Address
505	3101051040060	Chip capacitor 0402 0.1UF	1	C279	T2H
506	3101051040060	Chip capacitor 0402 0.1UF	1	C277	T1H
507	3101051040060	Chip capacitor 0402 0.1UF	1	C282	T3H
508	3101051040060	Chip capacitor 0402 0.1UF	1	C283	T3H
509	3101051040060	Chip capacitor 0402 0.1UF	1	C285	T3H
510	3101051040060	Chip capacitor 0402 0.1UF	1	C306	T1H
511	3101051040060	Chip capacitor 0402 0.1UF	1	C307	T2H
512	3101051040060	Chip capacitor 0402 0.1UF	1	C407	T3C
513	3101051040060	Chip capacitor 0402 0.1UF	1	C411	T5D
514	3101051040060	Chip capacitor 0402 0.1UF	1	C417	T5D
515	3101051040060	Chip capacitor 0402 0.1UF	1	C419	T4C
516	3101051040060	Chip capacitor 0402 0.1UF	1	C456	T3C
517	3101051040060	Chip capacitor 0402 0.1UF	1	C460	T3B
518	3101051040060	Chip capacitor 0402 0.1UF	1	C462	T2B
519	3101051040060	Chip capacitor 0402 0.1UF	1	C468	T3C
520	3101051040060	Chip capacitor 0402 0.1UF	1	C494	T2G
521	3101051040060	Chip capacitor 0402 0.1UF	1	C502	T1E
522	3101051040060	Chip capacitor 0402 0.1UF	1	C503	T2E
523	3101051040060	Chip capacitor 0402 0.1UF	1	C505	T1F
524	3101051040060	Chip capacitor 0402 0.1UF	1	C506	T1F
525	3101051040060	Chip capacitor 0402 0.1UF	1	C507	T2F
526	3101051040060	Chip capacitor 0402 0.1UF	1	C514	T2E
527	3101051040060	Chip capacitor 0402 0.1UF	1	C519	T2G
528	3101051040060	Chip capacitor 0402 0.1UF	1	C538	T2D
529	3101051040060	Chip capacitor 0402 0.1UF	1	C608	B1D
530	3101051040060	Chip capacitor 0402 0.1UF	1	C622	B3E
531	3101051040060	Chip capacitor 0402 0.1UF	1	C623	B3B
532	3101051040060	Chip capacitor 0402 0.1UF	1	C668	B1A
533	3101051040060	Chip capacitor 0402 0.1UF	1	C669	B1A
534	3101051040060	Chip capacitor 0402 0.1UF	1	C708	B3E
535	3101051050000	Chip capacitor 0402 1UF	1	C219	T2G
536	3101051050000	Chip capacitor 0402 1UF	1	C223	T2E
537	3101051050000	Chip capacitor 0402 1UF	1	C228	B3D
538	3101051050000	Chip capacitor 0402 1UF	1	C230	B2D
539	3101051050000	Chip capacitor 0402 1UF	1	C231	B2D
540	3101051050000	Chip capacitor 0402 1UF	1	C232	B2D
541	3101051050000	Chip capacitor 0402 1UF	1	C235	B3D
542	3101051050000	Chip capacitor 0402 1UF	1	C248	T3H
543	3101051050000	Chip capacitor 0402 1UF	1	C252	T3H
544	3101051050000	Chip capacitor 0402 1UF	1	C255	T4I
545	3101051050000	Chip capacitor 0402 1UF	1	C275	T3H
546	3101051050000	Chip capacitor 0402 1UF	1	C286	B2D

No.	Material No.	Description	Qty.	Ref.No.	Address
547	3101051050000	Chip capacitor 0402 1UF	1	C287	B2D
548	3101051050000	Chip capacitor 0402 1UF	1	C288	B2D
549	3101051050000	Chip capacitor 0402 1UF	1	C289	T2G
550	3101051050000	Chip capacitor 0402 1UF	1	C290	T4I
551	3101051050000	Chip capacitor 0402 1UF	1	C294	T2H
552	3101051050000	Chip capacitor 0402 1UF	1	C635	B4I
553	3101051200020	Chip capacitor 0402 12PF	1	C491	T2D
554	3101051200020	Chip capacitor 0402 12PF	1	C529	T2C
555	3101051230000	Chip capacitor 0402 0.012UF	1	C254	T3I
556	3101051500020	Chip capacitor 0402 15PF	1	C136	T3E
557	3101051500020	Chip capacitor 0402 15PF	1	C138	T3F
558	3101051500020	Chip capacitor 0402 15PF	1	C145	T4G
559	3101051500020	Chip capacitor 0402 15PF	1	C156	T3G
560	3101051500020	Chip capacitor 0402 15PF	1	C210	T4I
561	3101051500020	Chip capacitor 0402 15PF	1	C211	T5I
562	3101051500020	Chip capacitor 0402 15PF	1	C627	B3I
563	3101051510000	Chip capacitor 0402 150PF	1	C261	T2H
564	3101051530010	Chip capacitor 0402 0.015UF	1	C180	T5H
565	3101051530010	Chip capacitor 0402 0.015UF	1	C250	T3H
566	3101051530010	Chip capacitor 0402 0.015UF	1	C291	T3G
567	3101051820000	Chip capacitor 0402 1800PF	1	C513	T2E
568	3101051830000	Chip capacitor 0402 0.018UF	1	C179	T5H
569	3101051830000	Chip capacitor 0402 0.018UF	1	C247	T3H
570	3101051830000	Chip capacitor 0402 0.018UF	1	C251	T3H
571	3101051830000	Chip capacitor 0402 0.018UF	1	C292	T3G
572	3101052000020	Chip capacitor 0402 20PF	1	C537	T2C
573	3101052200010	Chip capacitor 0402 22PF	1	C130	T3E
574	3101052200010	Chip capacitor 0402 22PF	1	C263	T1G
575	3101052200010	Chip capacitor 0402 22PF	1	C264	T2G
576	3101052200010	Chip capacitor 0402 22PF	1	C539	T1E
577	3101052200010	Chip capacitor 0402 22PF	1	C540	T1F
578	3101052210010	Chip capacitor 0402 220PF	1	C257	T2I
579	3101052220010	Chip capacitor 0402 2200pF	1	C296	T3I
580	3101052230000	Chip capacitor 0402 0.022UF	1	C233	B3D
581	3101052230000	Chip capacitor 0402 0.022UF	1	C707	B3E
582	3101052240010	Chip capacitor 0402 0.22UF	1	C212	T3I
583	3101052240010	Chip capacitor 0402 0.22UF	1	C236	B3D
584	3101052490010	Chip capacitor 0402 2.4PF	1	C144	T4G
585	3101052700000	Chip capacitor 0402 27PF	1	C467	T3C
586	3101052700000	Chip capacitor 0402 27PF	1	C628	B2I
587	3101052700000	Chip capacitor 0402 27PF	1	C636	B3I
588	3101052730000	Chip capacitor 0402 0.027UF	1	C260	T2H

No.	Material No.	Description	Qty.	Ref.No.	Address
589	3101053300000	Chip capacitor 0402 33PF	1	C226	T2H
590	3101053300000	Chip capacitor 0402 33PF	1	C242	T3H
591	3101053300000	Chip capacitor 0402 33PF	1	C464	T3B
592	3101053300000	Chip capacitor 0402 33PF	1	C499	T1E
593	3101053300000	Chip capacitor 0402 33PF	1	C300	T1H
594	3101053690000	Chip capacitor 0402 3.6PF	1	C454	T3B
595	3101053900000	Chip capacitor 0402 39PF	1	C452	T3A
596	3101053900000	Chip capacitor 0402 39PF	1	C535	T2C
597	3101053930000	Chip capacitor 0402 0.039UF	1	C256	T2I
598	3101054700010	Chip capacitor 0402 47PF	1	C141	T4F
599	3101054700010	Chip capacitor 0402 47PF	1	C146	T4G
600	3101054700010	Chip capacitor 0402 47PF	1	C149	T3G
601	3101054700010	Chip capacitor 0402 47PF	1	C150	T3G
602	3101054700010	Chip capacitor 0402 47PF	1	C157	T4G
603	3101054700010	Chip capacitor 0402 47PF	1	C221	T2G
604	3101054700010	Chip capacitor 0402 47PF	1	C229	B2D
605	3101054700010	Chip capacitor 0402 47PF	1	C234	B3D
606	3101054700010	Chip capacitor 0402 47PF	1	C532	T3B
607	3101054700010	Chip capacitor 0402 47PF	1	C536	T3C
608	3101054710010	Chip capacitor 0402 470PF	1	C109	T5E
609	3101054710010	Chip capacitor 0402 470PF	1	C118	T5E
610	3101054710010	Chip capacitor 0402 470PF	1	C125	T4E
611	3101054710010	Chip capacitor 0402 470PF	1	C127	T5E
612	3101054710010	Chip capacitor 0402 470PF	1	C128	T4E
613	3101054710010	Chip capacitor 0402 470PF	1	C131	T3E
614	3101054710010	Chip capacitor 0402 470PF	1	C132	T3E
615	3101054710010	Chip capacitor 0402 470PF	1	C134	T3E
616	3101054710010	Chip capacitor 0402 470PF	1	C139	T4F
617	3101054710010	Chip capacitor 0402 470PF	1	C147	T4G
618	3101054710010	Chip capacitor 0402 470PF	1	C148	T3G
619	3101054710010	Chip capacitor 0402 470PF	1	C152	T4G
620	3101054710010	Chip capacitor 0402 470PF	1	C160	T5G
621	3101054710010	Chip capacitor 0402 470PF	1	C172	T4H
622	3101054710010	Chip capacitor 0402 470PF	1	C185	T3G
623	3101054710010	Chip capacitor 0402 470PF	1	C237	B3D
624	3101054710010	Chip capacitor 0402 470PF	1	C276	T1G
625	3101054710010	Chip capacitor 0402 470PF	1	C402	T3D
626	3101054710010	Chip capacitor 0402 470PF	1	C404	T4D
627	3101054710010	Chip capacitor 0402 470PF	1	C405	T4D
628	3101054710010	Chip capacitor 0402 470PF	1	C406	T3C
629	3101054710010	Chip capacitor 0402 470PF	1	C412	B4D
630	3101054710010	Chip capacitor 0402 470PF	1	C413	T4D

No.	Material No.	Description	Qty.	Ref.No.	Address
631	3101054710010	Chip capacitor 0402 470PF	1	C420	T4C
632	3101054710010	Chip capacitor 0402 470PF	1	C423	B4B
633	3101054710010	Chip capacitor 0402 470PF	1	C424	T4C
634	3101054710010	Chip capacitor 0402 470PF	1	C426	B5D
635	3101054710010	Chip capacitor 0402 470PF	1	C438	T4C
636	3101054710010	Chip capacitor 0402 470PF	1	C439	B4D
637	3101054710010	Chip capacitor 0402 470PF	1	C440	B4D
638	3101054710010	Chip capacitor 0402 470PF	1	C483	T2C
639	3101054710010	Chip capacitor 0402 470PF	1	C508	T2E
640	3101054710010	Chip capacitor 0402 470PF	1	C509	T2E
641	3101054710010	Chip capacitor 0402 470PF	1	C518	T3D
642	3101054710010	Chip capacitor 0402 470PF	1	C524	T2D
643	3101054710010	Chip capacitor 0402 470PF	1	C528	T2D
644	3101054710010	Chip capacitor 0402 470PF	1	C625	B1A
645	3101054710010	Chip capacitor 0402 470PF	1	C641	B3A
646	3101054710010	Chip capacitor 0402 470PF	1	C642	B3A
647	3101054710010	Chip capacitor 0402 470PF	1	C644	B3A
648	3101054710010	Chip capacitor 0402 470PF	1	C645	B3A
649	3101054710010	Chip capacitor 0402 470PF	1	C672	B2C
650	3101054710010	Chip capacitor 0402 470PF	1	C701	B1F
651	3101054710010	Chip capacitor 0402 470PF	1	C702	B3E
652	3101054710010	Chip capacitor 0402 470PF	1	C717	B1E
653	3101054720000	Chip capacitor 0402 4700PF	1	C214	T3I
654	3101054720000	Chip capacitor 0402 4700PF	1	C241	T3H
655	3101054720000	Chip capacitor 0402 4700PF	1	C281	B1A
656	3101054730000	Chip capacitor 0402 0.047UF	1	C207	T5I
657	3101054740000	Chip capacitor 0402 0.47UF	1	C201	T2H
658	3101054740000	Chip capacitor 0402 0.47UF	1	C218	T3H
659	3101054740000	Chip capacitor 0402 0.47UF	1	C225	T2H
660	3101055600000	Chip capacitor 0402 56PF	1	C510	T2E
661	3101055610000	Chip capacitor 0402 560PF	1	C227	T2H
662	3101055610000	Chip capacitor 0402 560PF	1	C301	T1H
663	3101055620010	Chip capacitor 0402 5600PF	1	C266	T2I
664	3101056800000	Chip capacitor 0402 68PF	1	C458	T3A
665	3101056830000	Chip capacitor 0402 0.068UF	1	C253	T2H
666	3101058200000	Chip capacitor 0402 82PF	1	C465	T3B
667	3101058200000	Chip capacitor 0402 82PF	1	C504	T2E
668	3101058200000	Chip capacitor 0402 82PF	1	C533	T3C
669	3101060100010	Chip capacitor 0603 1PF	1	C431	T4C
670	3101060100010	Chip capacitor 0603 1PF	1	C434	T5B
671	3101060200010	Chip capacitor 0603 2PF	1	C445	T5B
672	3101060300010	Chip capacitor 0603 3PF	1	C436	T4B

No.	Material No.	Description	Qty.	Ref.No.	Address
673	3101060300010	Chip capacitor 0603 3PF	1	C449	T4A
674	3101060300010	Chip capacitor 0603 3PF	1	C520	T5C
675	3101060400010	Chip capacitor 0603 4PF	1	C107	T4E
676	3101060400010	Chip capacitor 0603 4PF	1	C115	T4E
677	3101060400010	Chip capacitor 0603 4PF	1	C116	T4E
678	3101060400010	Chip capacitor 0603 4PF	1	C448	T5B
679	3101060500010	Chip capacitor 0603 5PF	1	C443	T5B
680	3101060590010	Chip capacitor 0603 0.5PF	1	C111	T4E
681	3101060590010	Chip capacitor 0603 0.5PF	1	C120	T5E
682	3101060590010	Chip capacitor 0603 0.5PF	1	C123	T4E
683	3101060600010	Chip capacitor 0603 6PF	1	C430	T4C
684	3101060800010	Chip capacitor 0603 8PF	1	C451	T4B
685	3101061000000	Chip capacitor 0603 10PF	1	C106	T4E
686	3101061010010	Chip capacitor 0603 100PF	1	C437	T4B
687	3101061050060	Chip capacitor 0603 1UF	1	C422	B4B
688	3101061050060	Chip capacitor 0603 1UF	1	C603	B2E
689	3101061050060	Chip capacitor 0603 1UF	1	C614	B2B
690	3101061050060	Chip capacitor 0603 1UF	1	C618	B3E
691	3101061210000	Chip capacitor 0603 120PF	1	C408	T4D
692	3101061500010	Chip capacitor 0603 15PF	1	C429	T5C
693	3101061590010	Chip capacitor 0603 1.5PF	1	C444	T5B
694	3101061800000	Chip capacitor 0603 18PF	1	C409	T4D
695	3101062210000	Chip capacitor 0603 220PF	1	C414	T5D
696	3101062250000	Chip capacitor 0603 2.2UF	1	C512	T2E
697	3101062400010	Chip capacitor 0603 24PF	1	C415	T4D
698	3101062490000	Chip capacitor 0603 2.4PF	1	C441	T4B
699	3101062490000	Chip capacitor 0603 2.4PF	1	C447	T4B
700	3101063000010	Chip capacitor 0603 30PF	1	C112	T4F
701	3101063000010	Chip capacitor 0603 30PF	1	C428	T5C
702	3101063690000	Chip capacitor 0603 3.6PF	1	C117	T4E
703	3101063690000	Chip capacitor 0603 3.6PF	1	C526	T5B
704	3101064590010	Chip capacitor 0603 4.5PF	1	C105	T3E
705	3101064710000	Chip capacitor 0603 470PF	1	C442	T4B
706	3101064710000	Chip capacitor 0603 470PF	1	C501	T1E
707	3101065600000	Chip capacitor 0603 56PF	1	C102	T3F
708	3101065690000	Chip capacitor 0603 5.6PF	1	C435	T5B
709	3101065690000	Chip capacitor 0603 5.6PF	1	C446	T4B
710	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm	1	TC104	T3F
711	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm	1	TC114	T5F
712	3104071040010	Tantalum capacitor0805 0.1UF	1	C168	T5G
713	3104071040010	Tantalum capacitor0805 0.1UF	1	C170	T5F
714	3104071050010	Tantalum capacitor0805 1UF	1	C121	T5F

No.	Material No.	Description	Qty.	Ref.No.	Address
715	3104071050010	Tantalum capacitor0805 1UF	1	C243	T3H
716	3104071050010	Tantalum capacitor0805 1UF	1	C244	T3H
717	3104071050010	Tantalum capacitor0805 1UF	1	C709	B3F
718	3104071050010	Tantalum capacitor0805 1UF	1	C298	T1I
719	3104071050010	Tantalum capacitor0805 1UF	1	C299	T1I
720	3104071050010	Tantalum capacitor0805 1UF	1	C304	T1H
721	3104071060010	Tantalum capacitor0805 10UF	1	C171	T4H
722	3104071060010	Tantalum capacitor0805 10UF	1	C495	T2E
723	3104071060040	Tantalum capacitor0805 10UF	1	C634	B4I
724	3104071060040	Tantalum capacitor0805 10UF	1	C671	B3C
725	3104071560020	Tantalum capacitor0805 15UF	1	C245	T2H
726	3104074740010	Tantalum capacitor0805 0.47UF	1	C530	T2B
727	3104074750030	Tantalum capacitor0805 4.7UF	1	C126	T5E
728	3104074750030	Tantalum capacitor0805 4.7UF	1	C158	T5G
729	3104074750030	Tantalum capacitor0805 4.7UF	1	C178	T5G
730	3104074750030	Tantalum capacitor0805 4.7UF	1	C208	T1H
731	3104074750030	Tantalum capacitor0805 4.7UF	1	C259	T2I
732	3104074750030	Tantalum capacitor0805 4.7UF	1	C271	T1I
733	3104074750030	Tantalum capacitor0805 4.7UF	1	C274	T3G
734	3104074750030	Tantalum capacitor0805 4.7UF	1	C418	B5D
735	3104074750030	Tantalum capacitor0805 4.7UF	1	C607	B2D
736	3104074750030	Tantalum capacitor0805 4.7UF	1	C612	B3F
737	3104074750030	Tantalum capacitor0805 4.7UF	1	C616	B3B
738	3104074750030	Tantalum capacitor0805 4.7UF	1	C620	B3B
739	3104074750030	Tantalum capacitor0805 4.7UF	1	C688	B2E
740	3104081060080	Tantalum capacitor1206 10UF	1	C666	B2B
741	3104081550020	Tantalum capacitor1206 1.5UF	1	C169	T5F
742	3104082260040	Tantalum capacitor1206 22UF	1	C685	B1B
743	3104084750030	Tantalum capacitor1206 4.7UF	1	C610	B2G
744	3199052790000	Chip capacitor 0402 2.7PF	1	C154	T3G
745	3199052790000	Chip capacitor 0402 2.7PF	1	C457	T3B
746	3199052790000	Chip capacitor 0402 2.7PF	1	C472	T3C
747	3210106101000	Bobbin inductor 0603 100nH±2%	1	L102	T3E
748	3210106101000	Bobbin inductor 0603 100nH±2%	1	L110	T5E
749	3210107221000	Bobbin inductor 0805 220nH	1	L409	T4B
750	3210108230010	Bobbin inductor 1206 23nH	1	L107	T4F
751	3210108270000	Bobbin inductor 1206 27nH	1	L105	T3E
752	3210209102010	Bobbin inductor 1210 1uH	1	L414	B4A
753	3210305150010	Multi-layer chip inductor 0402 15nH	1	L426	T2D
754	3210305180000	Multi-layer chip inductor 0402 18nH	1	L427	T3D
755	3210306150000	Multi-layer chip inductor 0603 15nH	1	L120	T3G
756	3210306220000	Multi-layer chip inductor 0603 22nH	1	L118	T4G

No.	Material No.	Description	Qty.	Ref.No.	Address
757	3210306220000	Multi-layer chip inductor 0603 22nH	1	L424	T3C
758	3210306229000	Multi-layer chip inductor 0603 2.2nH	1	L121	T3G
759	3210306270000	Multi-layer chip inductor 0603 27nH	1	L115	T3E
760	3210306330000	Multi-layer chip inductor 0603 33nH	1	L402	T3D
761	3210306339000	Multi-layer chip inductor 0603 3.3nH	1	L119	T4G
762	3210306339000	Multi-layer chip inductor 0603 3.3nH	1	L406	T4D
763	3210306470000	Multi-layer chip inductor 0603 47nH	1	L113	T4E
764	3210306561010	Multi-layer chip inductor 0603 560nH	1	L405	T2D
765	3210306561010	Multi-layer chip inductor 0603 560nH	1	L429	T1E
766	3210406471000	Multi-layer chip inductor 0603 470nH	1	L430	T2D
767	3212106689000	Multi-layer chip inductor 0603 6.8nH	1	L433	T5D
768	3213212102000	Multi-layer chip inductor 1008 1uH	1	L404	T4D
769	3213306102000	Multi-layer chip inductor 0603 1uH	1	L432	T1F
770	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L103	T3F
771	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L104	T4F
772	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L106	T4E
773	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L108	T4E
774	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L111	T5F
775	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L112	T4F
776	3213306561000	Multi-layer chip inductor 0603 0.56uH	1	L124	T4H
777	3214307180000	Inductor 0805 18nH	1	L420	T2C
778	3214307181000	Inductor 0805 180nH(Q)	1	L419	T2B
779	3214307181000	Inductor 0805 180nH(Q)	1	L425	T2B
780	3214307220010	Inductor 0805 22nH	1	L418	T3B
781	3215006100010	Multi-layer chip inductor 0603 10nH	1	L116	T3F
782	3215006100010	Multi-layer chip inductor 0603 10nH	1	L122	T3G
783	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L123	T5G
784	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L128	T5E
785	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L129	T4F
786	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L403	T3D
787	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L423	T1C
788	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L601	B2D
789	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L602	B2A
790	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L604	B4I
791	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L605	B2G
792	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L606	B3G
793	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L607	B1G
794	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L701	B1F
795	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L702	B3E
796	3221507221000	Chip ferrite bead 0805 220Ω±25%	1	L408	T4C
797	3231351630000	Air-core inductor E2-0.35*1.6*3TR	1	L413	T5B
798	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L410	T4B

No.	Material No.	Description	Qty.	Ref.No.	Address
799	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L411	T4B
800	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L412	T5B
801	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L415	T3B
802	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L416	T3B
803	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L417	T3B
804	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L421	T3C
805	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L422	T2C
806	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L431	T3C
807	3231351680000	Air-core inductor E2-0.35*1.6*8TR	1	L407	T4C
808	3303020100020	Switching diode MA2S11100L	1	D110	T5E
809	3303020100020	Switching diode MA2S11100L	1	D115	T5G
810	3303020100020	Switching diode MA2S11100L	1	D205	B3D
811	3303020100020	Switching diode MA2S11100L	1	D602	B2D
812	3303020100020	Switching diode MA2S11100L	1	D710	B1F
813	3303020100060	Switching diode MA3J74200L	1	D204	T2I
814	3303020100070	Switching diode MA2Z07700L	1	D403	T4B
815	3303020100080	Switching diode MA2S07700L	1	D111	T3F
816	3303020100080	Switching diode MA2S07700L	1	D112	T4G
817	3303020100080	Switching diode MA2S07700L	1	D113	T4G
818	3303020100080	Switching diode MA2S07700L	1	D114	T3F
819	3303020100080	Switching diode MA2S07700L	1	D401	T3D
820	3303020100080	Switching diode MA2S07700L	1	D402	T3D
821	3303020100080	Switching diode MA2S07700L	1	D407	T4B
822	3303020100080	Switching diode MA2S07700L	1	D408	T4B
823	3303030100010	Switching diode DAN222(TL)	1	D415	T1F
824	3303030100010	Switching diode DAN222(TL)	1	D603	B2G
825	3303030100010	Switching diode DAN222(TL)	1	D416	T1F
826	3303030300000	Schottky barrier diode RB706F-40(T106)	1	D202	B3D
827	3303030300000	Schottky barrier diode RB706F-40(T106)	1	D203	B2D
828	3303030300000	Schottky barrier diode RB706F-40(T106)	1	D206	B2D
829	3304010100160	Varactor 1SV278(TH2,F,T) 30V	1	D109	T5E
830	3304060300010	Varactor HVC376BTRF-E	1	D101	T4F
831	3304060300010	Varactor HVC376BTRF-E	1	D102	T3F
832	3304060300010	Varactor HVC376BTRF-E	1	D103	T3F
833	3304060300010	Varactor HVC376BTRF-E	1	D104	T3F
834	3304060300010	Varactor HVC376BTRF-E	1	D105	T4F
835	3304060300010	Varactor HVC376BTRF-E	1	D106	T4F
836	3304060300010	Varactor HVC376BTRF-E	1	D107	T4F
837	3304060300010	Varactor HVC376BTRF-E	1	D108	T4F
838	3304060300050	Varactor HVC350BTRF-E	1	D409	T3A
839	3304060300050	Varactor HVC350BTRF-E	1	D410	T3B
840	3304060300050	Varactor HVC350BTRF-E	1	D411	T3A

No.	Material No.	Description	Qty.	Ref.No.	Address
841	3304060300050	Varactor HVC350BTRF-E	1	D413	T3C
842	3304060300050	Varactor HVC350BTRF-E	1	D414	T2C
843	3304060300050	Varactor HVC350BTRF-E	1	D419	T3C
844	3307110100070	LED KPT-1608SRC	1	D604	B1A
845	3307110100080	LED KPT-1608SGC	1	D605	B1A
846	3308250100000	Attenuator Diode HSMP-3820-TR1G	1	D417	T2B
847	3309030600000	Noise Clipping Diode RSA6.1EN	1	D609	B2D
848	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D405	B5D
849	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D412	T5D
850	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D606	B2C
851	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D607	B1C
852	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D608	B2C
853	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D610	B1C
854	3399990000080	Voltage-regulating diode EDZTE616.8B	1	D611	B1C
855	3399990000110	Diode ISR154-400	1	D601	B4B
856	3399990000260	Diode HSM88ASTL-E	1	D418	T3B
857	3401001000490	Transistor 2SA1832-GR(TE85L.F)	1	Q208	B3D
858	3401002000150	Transistor 2SC4738F-GR(T5L,F)	1	Q207	B3D
859	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q105	T4E
860	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q106	T3E
861	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q107	T3F
862	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q109	T3G
863	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q412	T1E
864	3403002000000	Transistor 2SB1132FD5T100R	1	Q701	B1F
865	3403003000060	Transistor 2SC4617TLS	1	Q104	T4E
866	3403003000060	Transistor 2SC4617TLS	1	Q205	T3H
867	3403003000060	Transistor 2SC4617TLS	1	Q702	B1F
868	3403007000000	Transistor DTA114EE(TL)	1	Q111	T3F
869	3403007000000	Transistor DTA114EE(TL)	1	Q407	B5D
870	3403007000000	Transistor DTA114EE(TL)	1	Q413	T2D
871	3403007000000	Transistor DTA114EE(TL)	1	Q414	T2E
872	3403008000010	Transistor DTC114EE(TL)	1	Q112	T3F
873	3403008000010	Transistor DTC114EE(TL)	1	Q113	T4G
874	3403008000010	Transistor DTC114EE(TL)	1	Q405	B5D
875	3403008000010	Transistor DTC114EE(TL)	1	Q406	B4D
876	3403008000010	Transistor DTC114EE(TL)	1	Q611	B2A
877	3403008000010	Transistor DTC114EE(TL)	1	Q612	B2A
878	3403008000030	Transistor DTC114TE	1	Q403	B4D
879	3403008000050	Transistor DTC114YE(TL)	1	Q615	B2B
880	3403008000070	Transistor DTC144EE(TL)	1	Q602	B2D
881	3403008000070	Transistor DTC144EE(TL)	1	Q608	B2B
882	3403008000070	Transistor DTC144EE(TL)	1	Q609	B3B

No.	Material No.	Description	Qty.	Ref.No.	Address
883	3403008000070	Transistor DTC144EE(TL)	1	Q610	B3I
884	3406001000090	Transistor 2SC4988FRTR-E	1	Q402	T4D
885	3410001000020	Transistor 2SA1745	1	Q601	B1D
886	3410001000020	Transistor 2SA1745	1	Q603	B3G
887	3410001000020	Transistor 2SA1745	1	Q606	B2B
888	3410001000020	Transistor 2SA1745	1	Q607	B3C
889	3411002000020	Transistor 2SC5343EG	1	Q416	T2B
890	3418001000010	Transistor AT-41511-TR1G	1	Q410	T3B
891	3499000000140	Transistor 2SK508-K52-T1B-A	1	Q101	T4E
892	3499000000140	Transistor 2SK508-K52-T1B-A	1	Q103	T4E
893	3499000000150	Transistor UMC4(NTR)	1	Q102	T5E
894	3501020000030	FET 3SK318YB-TL-E-Q	1	Q415	T2C
895	3503010000010	FET 2SJ243-T1-A	1	Q110	T5E
896	3503010000010	FET 2SJ243-T1-A	1	Q616	B2C
897	3503020000030	FET 2SK1824-T1-A	1	Q203	T3H
898	3503020000030	FET 2SK1824-T1-A	1	Q204	T1H
899	3503020000030	FET 2SK1824-T1-A	1	Q408	B4D
900	3503020000030	FET 2SK1824-T1-A	1	Q604	B2G
901	3503020000030	FET 2SK1824-T1-A	1	Q605	B2G
902	3503040000010	FET UPA672T-T1-A	1	Q618	B2C
903	3504990000010	FET RD01MUS2-T113	1	Q404	T5D
904	3515990000000	FET RQA0002DNSTB-E	1	Q409	T5C
905	3602023005740	Audio amplifier TDA8547TS 2x0.7W	1	U609	B1B
906	3603002005440	IF processor TA31136FNG(EL.HZ) 455MHz	1	U403	T1E
907	3604025004350	PLL ADF4111BRUZ 1.2GHz	1	U101	T5G
908	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U206	T2I
909	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U201	T2G
910	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U204	B3D
911	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U205	T2I
912	3605008005070	Operational amplifier NJM2904V	1	U401	B4D
913	3608015000000	Power management IC(voltage-regulator)	1	U602	B2G
914	3608015005590	Power management IC XC6201T302PR 3V	1	U601	B1D
915	3608015005590	Power management IC XC6201T302PR 3V	1	U701	B3F
916	3608020005750	Power management IC TK11250CM-G 5.0V	1	U603	B3B
917	3608020005750	Power management IC TK11250CM-G 5.0V	1	U604	B3E
918	3609006003050	Reset IC R3111N421A-TR-F	1	U607	B4I
919	3609018000010	DTMF Decoder BU8872FS	1	U202	T4I
920	3609120000000	Acceleration sensor MXD2020ML MEMSIC	1	U608	B4G
921	3610045000200	SCM M3062LFGPGP 16-BIT	1	U605	B3H
922	3612051000020	Memory 24FC512-I/SM 512K	1	U606	B1H
923	3613034001060	Baseband processor AK2346-E2	1	U208	T1H
924	3613034001060	Baseband processor AK2346-E2	1	U203	T2H

No.	Material No.	Description	Qty.	Ref.No.	Address
925	3701016850010	TCXO 16.8MHz 5V DSA535SA(5×3.2)	1	X101	T4G
926	3701041940010	Crystal 4.194304MHz(11.8*5.5*2.5)	1	X201	T5I
927	3701098340010	Crystal 9.8304MHz DSX530GA(5×3.2)	1	X601	B2I
928	3701443940010	Crystal oscillator 44.395MHz±10PPm	1	X401	T1E
929	3702368630020	Crystal 3.6864MHz DSX151GA(11.8×5.5)	1	X202	T1G
930	3801045530000	Ceramic filter 455KHz±4.5KHz	1	Z403	T1F
931	3802448540000	Crystal filter 44.85MHz±6kHz	1	XF401	T1D
932	40990000000050	Fuse 046602.5NR 2.5A/32V	1	F601	B2A
933	43010800000020	Momentary contact switch	1	SW719	B4A
934	5202010100010	Socket XF2M-1015-1A 10pin	1	J701	B3E
935	5202020100040	Connector XF2M-2015-1A 20pin	1	J602	B2C
936	5207014200020	FFC/FPC Connector SD-52745-1497	1	J702	B2E
937	41007801002A0	TC-780U Main board PCB 1.2T/6L/4P	1		

TC-780 U2 Parts List 1 (Main Board Unit)

No.	Material No.	Description	Qty.	Ref.No.	Address
1	3001050000000	Chip resistor 0402 0Ω	1	C284	T3I
2	3001050000000	Chip resistor 0402 0Ω	1	C403	T4D
3	3001050000000	Chip resistor 0402 0Ω	1	R102	T4F
4	3001050000000	Chip resistor 0402 0Ω	1	R139	T4G
5	3001050000000	Chip resistor 0402 0Ω	1	R140	T4G
6	3001050000000	Chip resistor 0402 0Ω	1	R210	B1A
7	3001050000000	Chip resistor 0402 0Ω	1	R240	B3D
8	3001050000000	Chip resistor 0402 0Ω	1	R244	T3I
9	3001050000000	Chip resistor 0402 0Ω	1	R252	T3H
10	3001050000000	Chip resistor 0402 0Ω	1	R261	T2I
11	3001050000000	Chip resistor 0402 0Ω	1	R299	B3D
12	3001050000000	Chip resistor 0402 0Ω	1	R303	T2H
13	3001050000000	Chip resistor 0402 0Ω	1	R402	T3D
14	3001050000000	Chip resistor 0402 0Ω	1	R409	T3C
15	3001050000000	Chip resistor 0402 0Ω	1	R439	B4D
16	3001050000000	Chip resistor 0402 0Ω	1	R452	T3B
17	3001050000000	Chip resistor 0402 0Ω	1	R472	T2D
18	3001050000000	Chip resistor 0402 0Ω	1	R481	T2D
19	3001050000000	Chip resistor 0402 0Ω	1	R499	T2C
20	3001050000000	Chip resistor 0402 0Ω	1	R636	B3I
21	3001050000000	Chip resistor 0402 0Ω	1	R710	B4E
22	3001051000000	Chip resistor 0402 10Ω	1	R120	T3E
23	3001051000000	Chip resistor 0402 10Ω	1	R122	T3G
24	3001051000000	Chip resistor 0402 10Ω	1	R129	T3G
25	3001051000000	Chip resistor 0402 10Ω	1	R130	T5G
26	3001051000000	Chip resistor 0402 10Ω	1	R132	T5G
27	3001051000000	Chip resistor 0402 10Ω	1	R138	T4G
28	3001051000000	Chip resistor 0402 10Ω	1	R470	T2E
29	3001051000000	Chip resistor 0402 10Ω	1	R621	B1A
30	3001051000000	Chip resistor 0402 10Ω	1	R641	B5G
31	3001051000000	Chip resistor 0402 10Ω	1	R665	B1B
32	3001051010000	Chip resistor 0402 100Ω	1	R108	T5E
33	3001051010000	Chip resistor 0402 100Ω	1	R113	T4E
34	3001051010000	Chip resistor 0402 100Ω	1	R204	B1A
35	3001051010000	Chip resistor 0402 100Ω	1	R236	B2D
36	3001051010000	Chip resistor 0402 100Ω	1	R237	B2D
37	3001051020010	Chip resistor 0402 1KΩ	1	R106	T5E
38	3001051020010	Chip resistor 0402 1KΩ	1	R133	T5F
39	3001051020010	Chip resistor 0402 1KΩ	1	R205	T1H
40	3001051020010	Chip resistor 0402 1KΩ	1	R209	B1A
41	3001051020010	Chip resistor 0402 1KΩ	1	R215	T4I
42	3001051020010	Chip resistor 0402 1KΩ	1	R245	T3H

No.	Material No.	Description	Qty.	Ref.No.	Address
43	3001051020010	Chip resistor 0402 1KΩ	1	R286	T2I
44	3001051020010	Chip resistor 0402 1KΩ	1	R296	B2D
45	3001051020010	Chip resistor 0402 1KΩ	1	R305	T3I
46	3001051020010	Chip resistor 0402 1KΩ	1	R441	B4D
47	3001051020010	Chip resistor 0402 1KΩ	1	R454	T3B
48	3001051020010	Chip resistor 0402 1KΩ	1	R458	T2B
49	3001051020010	Chip resistor 0402 1KΩ	1	R479	T2G
50	3001051020010	Chip resistor 0402 1KΩ	1	R624	B2I
51	3001051020010	Chip resistor 0402 1KΩ	1	R625	B5H
52	3001051020010	Chip resistor 0402 1KΩ	1	R628	B3I
53	3001051020010	Chip resistor 0402 1KΩ	1	R629	B2I
54	3001051020010	Chip resistor 0402 1KΩ	1	R631	B3G
55	3001051020010	Chip resistor 0402 1KΩ	1	R645	B3G
56	3001051020010	Chip resistor 0402 1KΩ	1	R646	B4H
57	3001051020010	Chip resistor 0402 1KΩ	1	R650	B4G
58	3001051020010	Chip resistor 0402 1KΩ	1	R656	B4H
59	3001051020010	Chip resistor 0402 1KΩ	1	R659	B2H
60	3001051020010	Chip resistor 0402 1KΩ	1	R677	B1C
61	3001051020010	Chip resistor 0402 1KΩ	1	R679	B1C
62	3001051020010	Chip resistor 0402 1KΩ	1	R701	B1F
63	3001051030000	Chip resistor 0402 10KΩ	1	R101	T4F
64	3001051030000	Chip resistor 0402 10KΩ	1	R116	T3E
65	3001051030000	Chip resistor 0402 10KΩ	1	R123	T3F
66	3001051030000	Chip resistor 0402 10KΩ	1	R127	T4G
67	3001051030000	Chip resistor 0402 10KΩ	1	R135	T5G
68	3001051030000	Chip resistor 0402 10KΩ	1	R144	T4G
69	3001051030000	Chip resistor 0402 10KΩ	1	R217	T3I
70	3001051030000	Chip resistor 0402 10KΩ	1	R219	T3I
71	3001051030000	Chip resistor 0402 10KΩ	1	R229	T2H
72	3001051030000	Chip resistor 0402 10KΩ	1	R230	T2H
73	3001051030000	Chip resistor 0402 10KΩ	1	R235	B2D
74	3001051030000	Chip resistor 0402 10KΩ	1	R246	T3H
75	3001051030000	Chip resistor 0402 10KΩ	1	R248	T3H
76	3001051030000	Chip resistor 0402 10KΩ	1	R253	T3H
77	3001051030000	Chip resistor 0402 10KΩ	1	R277	T2I
78	3001051030000	Chip resistor 0402 10KΩ	1	R280	T2I
79	3001051030000	Chip resistor 0402 10KΩ	1	R284	T2I
80	3001051030000	Chip resistor 0402 10KΩ	1	R287	T2I
81	3001051030000	Chip resistor 0402 10KΩ	1	R290	B1B
82	3001051030000	Chip resistor 0402 10KΩ	1	R300	B2D
83	3001051030000	Chip resistor 0402 10KΩ	1	R435	B5D
84	3001051030000	Chip resistor 0402 10KΩ	1	R450	T3B

No.	Material No.	Description	Qty.	Ref.No.	Address
85	3001051030000	Chip resistor 0402 10KΩ	1	R482	T3D
86	3001051030000	Chip resistor 0402 10KΩ	1	R492	T1E
87	3001051030000	Chip resistor 0402 10KΩ	1	R606	B2G
88	3001051030000	Chip resistor 0402 10KΩ	1	R618	B3E
89	3001051030000	Chip resistor 0402 10KΩ	1	R658	B3I
90	3001051030000	Chip resistor 0402 10KΩ	1	R670	B1B
91	3001051030000	Chip resistor 0402 10KΩ	1	R671	B1B
92	3001051030000	Chip resistor 0402 10KΩ	1	R708	B4E
93	3001051030000	Chip resistor 0402 10KΩ	1	R709	B4E
94	3001051030000	Chip resistor 0402 10KΩ	1	R711	B3E
95	3001051030000	Chip resistor 0402 10KΩ	1	R310	T1H
96	3001051030000	Chip resistor 0402 10KΩ	1	R309	T1H
97	3001051030000	Chip resistor 0402 10KΩ	1	R308	T1H
98	3001051040010	Chip resistor 0402 100KΩ	1	R105	T5E
99	3001051040010	Chip resistor 0402 100KΩ	1	R110	T5E
100	3001051040010	Chip resistor 0402 100KΩ	1	R241	B3D
101	3001051040010	Chip resistor 0402 100KΩ	1	R265	T2I
102	3001051040010	Chip resistor 0402 100KΩ	1	R273	T2G
103	3001051040010	Chip resistor 0402 100KΩ	1	R275	T2H
104	3001051040010	Chip resistor 0402 100KΩ	1	R281	T2H
105	3001051040010	Chip resistor 0402 100KΩ	1	R298	B3D
106	3001051040010	Chip resistor 0402 100KΩ	1	R306	B3D
107	3001051040010	Chip resistor 0402 100KΩ	1	R440	B4D
108	3001051040010	Chip resistor 0402 100KΩ	1	R442	T3C
109	3001051040010	Chip resistor 0402 100KΩ	1	R445	T3A
110	3001051040010	Chip resistor 0402 100KΩ	1	R446	T3A
111	3001051040010	Chip resistor 0402 100KΩ	1	R447	T3B
112	3001051040010	Chip resistor 0402 100KΩ	1	R455	T3C
113	3001051040010	Chip resistor 0402 100KΩ	1	R456	T3C
114	3001051040010	Chip resistor 0402 100KΩ	1	R457	T2C
115	3001051040010	Chip resistor 0402 100KΩ	1	R491	T1E
116	3001051040010	Chip resistor 0402 100KΩ	1	R497	T2C
117	3001051040010	Chip resistor 0402 100KΩ	1	R500	T3C
118	3001051040010	Chip resistor 0402 100KΩ	1	R609	B2G
119	3001051040010	Chip resistor 0402 100KΩ	1	R633	B4I
120	3001051040010	Chip resistor 0402 100KΩ	1	R675	B2C
121	3001051040010	Chip resistor 0402 100KΩ	1	R676	B2C
122	3001051050020	Chip resistor 0402 1MΩ	1	R239	B3D
123	3001051050020	Chip resistor 0402 1MΩ	1	R274	T1G
124	3001051050020	Chip resistor 0402 1MΩ	1	R285	T2I
125	3001051050020	Chip resistor 0402 1MΩ	1	R436	B4D
126	3001051050020	Chip resistor 0402 1MΩ	1	R615	B3B

No.	Material No.	Description	Qty.	Ref.No.	Address
127	3001051050020	Chip resistor 0402 1MΩ	1	R617	B3E
128	3001051050020	Chip resistor 0402 1MΩ	1	R312	T1H
129	3001051060000	Chip resistor 0402 10M	1	R716	B3E
130	3001051210000	Chip resistor 0402 120Ω	1	R141	T4F
131	3001051220000	Chip resistor 0402 1.2KΩ	1	R143	T5F
132	3001051230000	Chip resistor 0402 12KΩ	1	R421	T5D
133	3001051230000	Chip resistor 0402 12KΩ	1	R503	T1E
134	3001051230000	Chip resistor 0402 12KΩ	1	R668	B1A
135	3001051230000	Chip resistor 0402 12KΩ	1	R669	B1A
136	3001051240000	Chip resistor 0402 120KΩ	1	R121	T3F
137	3001051240000	Chip resistor 0402 120KΩ	1	R147	T5G
138	3001051240000	Chip resistor 0402 120KΩ	1	R289	T3H
139	3001051240000	Chip resistor 0402 120KΩ	1	R294	T3H
140	3001051510000	Chip resistor 0402 150Ω	1	R107	T4E
141	3001051510000	Chip resistor 0402 150Ω	1	R459	T2B
142	3001051510000	Chip resistor 0402 150Ω	1	R494	T2D
143	3001051520000	Chip resistor 0402 1.5KΩ	1	R406	T4D
144	3001051520000	Chip resistor 0402 1.5KΩ	1	R673	B3C
145	3001051520000	Chip resistor 0402 1.5KΩ	1	R714	B4E
146	3001051530000	Chip resistor 0402 15KΩ	1	R131	T3G
147	3001051530000	Chip resistor 0402 15KΩ	1	R150	T5H
148	3001051530000	Chip resistor 0402 15KΩ	1	R221	T3I
149	3001051530000	Chip resistor 0402 15KΩ	1	R243	B3D
150	3001051530000	Chip resistor 0402 15KΩ	1	R251	T3H
151	3001051530000	Chip resistor 0402 15KΩ	1	R256	T3H
152	3001051530000	Chip resistor 0402 15KΩ	1	R258	T3H
153	3001051530000	Chip resistor 0402 15KΩ	1	R301	T3G
154	3001051530000	Chip resistor 0402 15KΩ	1	R712	B4E
155	3001051530000	Chip resistor 0402 15KΩ	1	R713	B4E
156	3001051530000	Chip resistor 0402 15KΩ	1	R715	B3E
157	3001051540000	Chip resistor 0402 150KΩ	1	R425	B5D
158	3001051540000	Chip resistor 0402 150KΩ	1	R426	B4D
159	3001051540000	Chip resistor 0402 150KΩ	1	R427	B5D
160	3001051540000	Chip resistor 0402 150KΩ	1	R428	B5D
161	3001051540000	Chip resistor 0402 150KΩ	1	R429	B5D
162	3001051540000	Chip resistor 0402 150KΩ	1	R430	B5D
163	3001051540000	Chip resistor 0402 150KΩ	1	R495	T3C
164	3001051540020	Chip resistor 0402 150KΩ	1	R134	T5F
165	3001051540020	Chip resistor 0402 150KΩ	1	R282	T1I
166	3001051540020	Chip resistor 0402 150KΩ	1	R283	T2I
167	3001051540020	Chip resistor 0402 150KΩ	1	R496	T2C
168	3001051810010	Chip resistor 0402 180Ω	1	R103	T4F

No.	Material No.	Description	Qty.	Ref.No.	Address
169	3001051810010	Chip resistor 0402 180Ω	1	R654	B2A
170	3001051830000	Chip resistor 0402 18KΩ	1	R224	T3G
171	3001051830000	Chip resistor 0402 18KΩ	1	R225	T2G
172	3001051830000	Chip resistor 0402 18KΩ	1	R242	B3D
173	3001051830000	Chip resistor 0402 18KΩ	1	R268	T2I
174	3001051830000	Chip resistor 0402 18KΩ	1	R269	T3I
175	3001051840000	Chip resistor 0402 180KΩ	1	R145	T5H
176	3001051840000	Chip resistor 0402 180KΩ	1	R263	T2I
177	3001051840000	Chip resistor 0402 180KΩ	1	R264	T3I
178	3001051840000	Chip resistor 0402 180KΩ	1	R438	B4D
179	3001051840000	Chip resistor 0402 180KΩ	1	R498	T2C
180	3001052200000	Chip resistor 0402 22Ω	1	R407	T4D
181	3001052210000	Chip resistor 0402 220Ω	1	R291	T3I
182	3001052210000	Chip resistor 0402 220Ω	1	R657	B2A
183	3001052220000	Chip resistor 0402 2.2KΩ	1	R434	B5D
184	3001052220000	Chip resistor 0402 2.2KΩ	1	R462	T2B
185	3001052230010	Chip resistor 0402 22KΩ	1	R109	T5E
186	3001052230010	Chip resistor 0402 22KΩ	1	R124	T4F
187	3001052230010	Chip resistor 0402 22KΩ	1	R126	T4G
188	3001052230010	Chip resistor 0402 22KΩ	1	R128	T4G
189	3001052230010	Chip resistor 0402 22KΩ	1	R149	T5H
190	3001052230010	Chip resistor 0402 22KΩ	1	R213	T3I
191	3001052230010	Chip resistor 0402 22KΩ	1	R259	T3H
192	3001052230010	Chip resistor 0402 22KΩ	1	R262	T2I
193	3001052230010	Chip resistor 0402 22KΩ	1	R276	T2H
194	3001052230010	Chip resistor 0402 22KΩ	1	R278	T2I
195	3001052230010	Chip resistor 0402 22KΩ	1	R302	T3G
196	3001052230010	Chip resistor 0402 22KΩ	1	R474	T2F
197	3001052230010	Chip resistor 0402 22KΩ	1	R475	T2F
198	3001052230010	Chip resistor 0402 22KΩ	1	R476	T2F
199	3001052230010	Chip resistor 0402 22KΩ	1	R477	T2G
200	3001052230010	Chip resistor 0402 22KΩ	1	R672	B2B
201	3001052240000	Chip resistor 0402 220KΩ	1	R610	B2G
202	3001052240000	Chip resistor 0402 220KΩ	1	R619	B3A
203	3001052240000	Chip resistor 0402 220KΩ	1	R620	B4A
204	3001052240000	Chip resistor 0402 220KΩ	1	R626	B5H
205	3001052710010	Chip resistor 0402 270Ω	1	R432	T4C
206	3001052710010	Chip resistor 0402 270Ω	1	R433	T4C
207	3001052720000	Chip resistor 0402 2.7KΩ	1	R297	B2D
208	3001052720000	Chip resistor 0402 2.7KΩ	1	R312	T3H
209	3001052720000	Chip resistor 0402 2.7KΩ	1	R484	T2E
210	3001052730000	Chip resistor 0402 27KΩ	1	R238	B3D

No.	Material No.	Description	Qty.	Ref.No.	Address
211	3001052730000	Chip resistor 0402 27KΩ	1	R249	T2H
212	3001052730000	Chip resistor 0402 27KΩ	1	R255	B3D
213	3001052790000	Chip resistor 0402 2.7Ω	1	R104	T3E
214	3001053030000	Chip resistor 0402 30KΩ	1	R437	B4D
215	3001053300010	Chip resistor 0402 33Ω	1	R115	T3E
216	3001053310010	Chip resistor 0402 330Ω	1	R114	T4E
217	3001053310010	Chip resistor 0402 330Ω	1	R408	T3D
218	3001053310010	Chip resistor 0402 330Ω	1	R501	T2D
219	3001053320000	Chip resistor 0402 3.3KΩ	1	R118	T3E
220	3001053320000	Chip resistor 0402 3.3KΩ	1	R119	T3E
221	3001053320000	Chip resistor 0402 3.3KΩ	1	R137	T4G
222	3001053320000	Chip resistor 0402 3.3KΩ	1	R401	T3D
223	3001053320000	Chip resistor 0402 3.3KΩ	1	R417	B4D
224	3001053320000	Chip resistor 0402 3.3KΩ	1	R487	T2E
225	3001053320000	Chip resistor 0402 3.3KΩ	1	R489	T2E
226	3001053320000	Chip resistor 0402 3.3KΩ	1	R490	T2E
227	3001053320000	Chip resistor 0402 3.3KΩ	1	R493	T2D
228	3001053330010	Chip resistor 0402 33KΩ	1	R117	T3E
229	3001053330010	Chip resistor 0402 33KΩ	1	R212	T3I
230	3001053330010	Chip resistor 0402 33KΩ	1	R214	T4I
231	3001053330010	Chip resistor 0402 33KΩ	1	R222	T2G
232	3001053330010	Chip resistor 0402 33KΩ	1	R226	T2E
233	3001053340000	Chip resistor 0402 330KΩ	1	R112	T4E
234	3001053340000	Chip resistor 0402 330KΩ	1	R247	T3H
235	3001053340000	Chip resistor 0402 330KΩ	1	R292	T3H
236	3001053340000	Chip resistor 0402 330KΩ	1	R627	B5H
237	3001053910000	Chip resistor 0402 390Ω	1	R416	B4D
238	3001053930000	Chip resistor 0402 39KΩ	1	R148	T5H
239	3001053940000	Chip resistor 0402 390KΩ	1	R266	T2I
240	3001054320000	Chip resistor 0402 4.3KΩ	1	R453	T3B
241	3001054700000	Chip resistor 0402 47Ω	1	R413	T5D
242	3001054700000	Chip resistor 0402 47Ω	1	R471	T2C
243	3001054710000	Chip resistor 0402 470Ω	1	R449	T2B
244	3001054710000	Chip resistor 0402 470Ω	1	R674	B3C
245	3001054720000	Chip resistor 0402 4.7KΩ	1	R111	T4E
246	3001054720000	Chip resistor 0402 4.7KΩ	1	R136	T4G
247	3001054720000	Chip resistor 0402 4.7KΩ	1	R206	T1H
248	3001054720000	Chip resistor 0402 4.7KΩ	1	R216	T3I
249	3001054720000	Chip resistor 0402 4.7KΩ	1	R220	B2B
250	3001054720000	Chip resistor 0402 4.7KΩ	1	R232	B3D
251	3001054720000	Chip resistor 0402 4.7KΩ	1	R234	B2D
252	3001054720000	Chip resistor 0402 4.7KΩ	1	R270	B3D

No.	Material No.	Description	Qty.	Ref.No.	Address
253	3001054720000	Chip resistor 0402 4.7K Ω	1	R279	T2I
254	3001054720000	Chip resistor 0402 4.7K Ω	1	R473	T1F
255	3001054720000	Chip resistor 0402 4.7K Ω	1	R478	T2F
256	3001054720000	Chip resistor 0402 4.7K Ω	1	R486	T2E
257	3001054720000	Chip resistor 0402 4.7K Ω	1	R602	B1D
258	3001054720000	Chip resistor 0402 4.7K Ω	1	R604	B3G
259	3001054720000	Chip resistor 0402 4.7K Ω	1	R612	B2B
260	3001054720000	Chip resistor 0402 4.7K Ω	1	R614	B3C
261	3001054720000	Chip resistor 0402 4.7K Ω	1	R717	B1F
262	3001054730000	Chip resistor 0402 47K Ω	1	R218	T3I
263	3001054730000	Chip resistor 0402 47K Ω	1	R231	T2H
264	3001054730000	Chip resistor 0402 47K Ω	1	R414	T5D
265	3001054730000	Chip resistor 0402 47K Ω	1	R415	T5D
266	3001054730000	Chip resistor 0402 47K Ω	1	R488	T2E
267	3001054730000	Chip resistor 0402 47K Ω	1	R601	B1D
268	3001054730000	Chip resistor 0402 47K Ω	1	R603	B3G
269	3001054730000	Chip resistor 0402 47K Ω	1	R608	B2G
270	3001054730000	Chip resistor 0402 47K Ω	1	R611	B2B
271	3001054730000	Chip resistor 0402 47K Ω	1	R613	B3C
272	3001054730000	Chip resistor 0402 47K Ω	1	R616	B3A
273	3001054730000	Chip resistor 0402 47K Ω	1	R630	B2H
274	3001054730000	Chip resistor 0402 47K Ω	1	R632	B3I
275	3001054730000	Chip resistor 0402 47K Ω	1	R634	B3G
276	3001054730000	Chip resistor 0402 47K Ω	1	R638	B4H
277	3001054730000	Chip resistor 0402 47K Ω	1	R639	B4G
278	3001054730000	Chip resistor 0402 47K Ω	1	R640	B1H
279	3001054730000	Chip resistor 0402 47K Ω	1	R647	B3G
280	3001054730000	Chip resistor 0402 47K Ω	1	R648	B3G
281	3001054730000	Chip resistor 0402 47K Ω	1	R649	B2G
282	3001054730000	Chip resistor 0402 47K Ω	1	R651	B3I
283	3001054730000	Chip resistor 0402 47K Ω	1	R652	B3G
284	3001054730000	Chip resistor 0402 47K Ω	1	R660	B2H
285	3001054740000	Chip resistor 0402 470K Ω	1	R607	B2G
286	3001055130010	Chip resistor 0402 51K Ω	1	R250	T3H
287	3001055130010	Chip resistor 0402 51K Ω	1	R460	T2B
288	3001055600000	Chip resistor 0402 56 Ω	1	R706	B3E
289	3001055610000	Chip resistor 0402 560 Ω	1	R467	T1D
290	3001055610000	Chip resistor 0402 560 Ω	1	R469	T1D
291	3001055630000	Chip resistor 0402 56K Ω	1	R257	T3H
292	3001055630000	Chip resistor 0402 56K Ω	1	R271	T2H
293	3001055630000	Chip resistor 0402 56K Ω	1	R272	T2H
294	3001056810000	Chip resistor 0402 680 Ω	1	R405	T4D

No.	Material No.	Description	Qty.	Ref.No.	Address
295	3001056820000	Chip resistor 0402 6.8K Ω	1	R254	T3G
296	3001056820000	Chip resistor 0402 6.8K Ω	1	R304	T3H
297	3001056820000	Chip resistor 0402 6.8K Ω	1	R451	T3B
298	3001056820000	Chip resistor 0402 6.8K Ω	1	R502	T1E
299	3001056830000	Chip resistor 0402 68K Ω	1	R223	T2G
300	3001056830000	Chip resistor 0402 68K Ω	1	R228	T2H
301	3001056840000	Chip resistor 0402 680K Ω	1	R468	T1E
302	3001056840000	Chip resistor 0402 680K Ω	1	R605	B2G
303	3001056840000	Chip resistor 0402 680K Ω	1	R666	B1B
304	3001056840000	Chip resistor 0402 680K Ω	1	R667	B1B
305	3001058220000	Chip resistor 0402 8.2K Ω	1	R208	B1A
306	3001058230000	Chip resistor 0402 82K Ω	1	R227	T2G
307	3001058230000	Chip resistor 0402 82K Ω	1	R233	B2D
308	3001058230000	Chip resistor 0402 82K Ω	1	R267	T2I
309	3001058230000	Chip resistor 0402 82K Ω	1	R288	T3H
310	3001058230000	Chip resistor 0402 82K Ω	1	R483	T2E
311	3001058230000	Chip resistor 0402 82K Ω	1	R485	T2E
312	3001059130000	Chip resistor 0402 91K Ω	1	R146	T4G
313	3001059130000	Chip resistor 0402 91K Ω	1	R260	T3H
314	3001059130000	Chip resistor 0402 91K Ω	1	R461	T2B
315	3001063330000	Chip resistor 0603 33K Ω	1	R420	T5D
316	3001064700000	Chip resistor 0603 47 Ω	1	R419	T5D
317	3001070000000	Chip resistor 0805 0 Ω	1	L434	T5A
318	3001070000000	Chip resistor 0805 0 Ω	1	R431	T5B
319	3001082010000	Chip resistor 1206 200 Ω	1	R678	B1D
320	3001082010000	Chip resistor 1206 200 Ω	1	R680	B1D
321	3002996830000	Trimmer resistor(2*2) 68K Ω (+25%)	1	RP101	T5H
322	3002996830000	Trimmer resistor(2*2) 68K Ω (+25%)	1	RP201	T4H
323	3003994730000	Thermistor 0603 47K Ω	1	RT401	T4D
324	3003994730000	Thermistor 0603 47K Ω	1	RT402	T2B
325	3005051020000	Resistor array 0402 1K*2	1	RN602	B2I
326	3005051020000	Resistor array 0402 1K*2	1	RN607	B2G
327	3005051020000	Resistor array 0402 1K*2	1	RN609	B2G
328	3005051020000	Resistor array 0402 1K*2	1	RN617	B4I
329	3005051020000	Resistor array 0402 1K*2	1	RN619	B3I
330	3005051020000	Resistor array 0402 1K*2	1	RN620	B2G
331	3005051020000	Resistor array 0402 1K*2	1	RN625	B2H
332	3005051020010	Resistor array 0402 1K*4	1	RN601	B3I
333	3005051020010	Resistor array 0402 1K*4	1	RN603	B2H
334	3005051020010	Resistor array 0402 1K*4	1	RN604	B2H
335	3005051020010	Resistor array 0402 1K*4	1	RN606	B2H
336	3005051020010	Resistor array 0402 1K*4	1	RN608	B2G

No.	Material No.	Description	Qty.	Ref.No.	Address
337	3005051020010	Resistor array 0402 1K*4	1	RN612	B3G
338	3005051020010	Resistor array 0402 1K*4	1	RN616	B4H
339	3005051020010	Resistor array 0402 1K*4	1	RN618	B2H
340	3005051020010	Resistor array 0402 1K*4	1	RN621	B3G
341	3005051020010	Resistor array 0402 1K*4	1	RN622	B4G
342	3005051020010	Resistor array 0402 1K*4	1	RN623	B4H
343	3005051020010	Resistor array 0402 1K*4	1	RN624	B2I
344	3005051030010	Resistor array 0402 10KΩ*4	1	RN611	B3G
345	3099080398000	Chip resistor 1206 0.39Ω	1	R422	B4B
346	3099080398000	Chip resistor 1206 0.39Ω	1	R423	B4B
347	3099080398000	Chip resistor 1206 0.39Ω	1	R424	B3B
348	3101050100030	Chip capacitor 0402 1PF	1	C478	T3D
349	3101050200010	Chip capacitor 0402 2PF	1	C145	T4G
350	3101050200010	Chip capacitor 0402 2PF	1	C153	T3G
351	3101050200010	Chip capacitor 0402 2PF	1	C156	T3G
352	3101050200010	Chip capacitor 0402 2PF	1	C450	T4B
353	3101050200010	Chip capacitor 0402 2PF	1	C479	T3D
354	3101050200010	Chip capacitor 0402 2PF	1	C481	T2D
355	3101050300000	Chip capacitor 0402 3PF	1	C142	T4G
356	3101050300000	Chip capacitor 0402 3PF	1	C144	T4G
357	3101050300000	Chip capacitor 0402 3PF	1	C470	T3C
358	3101050300000	Chip capacitor 0402 3PF	1	C472	T3C
359	3101050300000	Chip capacitor 0402 3PF	1	C490	T1D
360	3101050500010	Chip capacitor 0402 5PF	1	C103	T3E
361	3101050500010	Chip capacitor 0402 5PF	1	C143	T4G
362	3101050500010	Chip capacitor 0402 5PF	1	C455	T3B
363	3101050500010	Chip capacitor 0402 5PF	1	C471	T2C
364	3101050500010	Chip capacitor 0402 5PF	1	C531	T3B
365	3101050600010	Chip capacitor 0402 6PF	1	C129	T4E
366	3101050600010	Chip capacitor 0402 6PF	1	C133	T3E
367	3101050600010	Chip capacitor 0402 6PF	1	C138	T3F
368	3101050600010	Chip capacitor 0402 6PF	1	C453	T4B
369	3101050600010	Chip capacitor 0402 6PF	1	C459	T3B
370	3101050600010	Chip capacitor 0402 6PF	1	C469	T2C
371	3101050600010	Chip capacitor 0402 6PF	1	C534	T3C
372	3101050800000	Chip capacitor 0402 8PF	1	C477	T3D
373	3101050900000	Chip capacitor 0402 9PF	1	C480	T3D
374	3101050900000	Chip capacitor 0402 9PF	1	C525	T2D
375	3101051000020	Chip capacitor 0402 10PF	1	C113	T5F
376	3101051000020	Chip capacitor 0402 10PF	1	C173	T4H
377	3101051000020	Chip capacitor 0402 10PF	1	C174	T4G
378	3101051000020	Chip capacitor 0402 10PF	1	C517	T3D

No.	Material No.	Description	Qty.	Ref.No.	Address
379	3101051010030	Chip capacitor 0402 100PF	1	C162	T5G
380	3101051010030	Chip capacitor 0402 100PF	1	C163	T5G
381	3101051010030	Chip capacitor 0402 100PF	1	C164	T5G
382	3101051010030	Chip capacitor 0402 100PF	1	C166	T4G
383	3101051010030	Chip capacitor 0402 100PF	1	C427	B5D
384	3101051010030	Chip capacitor 0402 100PF	1	C461	T2B
385	3101051010030	Chip capacitor 0402 100PF	1	C463	T2B
386	3101051010030	Chip capacitor 0402 100PF	1	C464	T3B
387	3101051010030	Chip capacitor 0402 100PF	1	C473	T2A
388	3101051010030	Chip capacitor 0402 100PF	1	C475	T2B
389	3101051010030	Chip capacitor 0402 100PF	1	C498	T1E
390	3101051010030	Chip capacitor 0402 100PF	1	C639	T4I
391	3101051010030	Chip capacitor 0402 100PF	1	C640	T4H
392	3101051010030	Chip capacitor 0402 100PF	1	C643	T4H
393	3101051010030	Chip capacitor 0402 100PF	1	C646	T4H
394	3101051010030	Chip capacitor 0402 100PF	1	C647	T4H
395	3101051010030	Chip capacitor 0402 100PF	1	C648	B4H
396	3101051010030	Chip capacitor 0402 100PF	1	C649	T4I
397	3101051010030	Chip capacitor 0402 100PF	1	C650	T4H
398	3101051010030	Chip capacitor 0402 100PF	1	C651	T4H
399	3101051010030	Chip capacitor 0402 100PF	1	C652	T4H
400	3101051010030	Chip capacitor 0402 100PF	1	C653	T4H
401	3101051010030	Chip capacitor 0402 100PF	1	C654	T4H
402	3101051010030	Chip capacitor 0402 100PF	1	C655	T4H
403	3101051010030	Chip capacitor 0402 100PF	1	C656	T4H
404	3101051010030	Chip capacitor 0402 100PF	1	C657	T4I
405	3101051010030	Chip capacitor 0402 100PF	1	C658	B4H
406	3101051010030	Chip capacitor 0402 100PF	1	C659	B4H
407	3101051010030	Chip capacitor 0402 100PF	1	C660	T4I
408	3101051010030	Chip capacitor 0402 100PF	1	C661	T4I
409	3101051010030	Chip capacitor 0402 100PF	1	C673	B1C
410	3101051010030	Chip capacitor 0402 100PF	1	C674	B1C
411	3101051010030	Chip capacitor 0402 100PF	1	C675	B1C
412	3101051010030	Chip capacitor 0402 100PF	1	C676	B1C
413	3101051010030	Chip capacitor 0402 100PF	1	C677	B2D
414	3101051010030	Chip capacitor 0402 100PF	1	C678	B2C
415	3101051010030	Chip capacitor 0402 100PF	1	C679	B2C
416	3101051010030	Chip capacitor 0402 100PF	1	C680	B3C
417	3101051010030	Chip capacitor 0402 100PF	1	C681	B2D
418	3101051010030	Chip capacitor 0402 100PF	1	C682	B1C
419	3101051010030	Chip capacitor 0402 100PF	1	C683	B2C
420	3101051010030	Chip capacitor 0402 100PF	1	C684	B2C

No.	Material No.	Description	Qty.	Ref.No.	Address
421	3101051010030	Chip capacitor 0402 100PF	1	C703	B4E
422	3101051010030	Chip capacitor 0402 100PF	1	C704	B4E
423	3101051010030	Chip capacitor 0402 100PF	1	C706	B3E
424	3101051010030	Chip capacitor 0402 100PF	1	C714	B4F
425	3101051010030	Chip capacitor 0402 100PF	1	C715	B4F
426	3101051010030	Chip capacitor 0402 100PF	1	C716	B4F
427	3101051020010	Chip capacitor 0402 1000PF	1	C101	T4F
428	3101051020010	Chip capacitor 0402 1000PF	1	C108	T3E
429	3101051020010	Chip capacitor 0402 1000PF	1	C119	T4F
430	3101051020010	Chip capacitor 0402 1000PF	1	C155	T3G
431	3101051020010	Chip capacitor 0402 1000PF	1	C165	T4G
432	3101051020010	Chip capacitor 0402 1000PF	1	C175	T4G
433	3101051020010	Chip capacitor 0402 1000PF	1	C176	T4G
434	3101051020010	Chip capacitor 0402 1000PF	1	C181	T4F
435	3101051020010	Chip capacitor 0402 1000PF	1	C220	T2G
436	3101051020010	Chip capacitor 0402 1000PF	1	C222	T2F
437	3101051020010	Chip capacitor 0402 1000PF	1	C238	B3D
438	3101051020010	Chip capacitor 0402 1000PF	1	C269	T2I
439	3101051020010	Chip capacitor 0402 1000PF	1	C273	T2I
440	3101051020010	Chip capacitor 0402 1000PF	1	C401	T3D
441	3101051020010	Chip capacitor 0402 1000PF	1	C410	T5D
442	3101051020010	Chip capacitor 0402 1000PF	1	C416	T5D
443	3101051020010	Chip capacitor 0402 1000PF	1	C492	T1E
444	3101051020010	Chip capacitor 0402 1000PF	1	C511	T2E
445	3101051020010	Chip capacitor 0402 1000PF	1	C601	B2A
446	3101051020010	Chip capacitor 0402 1000PF	1	C602	B2A
447	3101051020010	Chip capacitor 0402 1000PF	1	C604	B1E
448	3101051020010	Chip capacitor 0402 1000PF	1	C605	B1D
449	3101051020010	Chip capacitor 0402 1000PF	1	C606	B1D
450	3101051020010	Chip capacitor 0402 1000PF	1	C609	B2G
451	3101051020010	Chip capacitor 0402 1000PF	1	C611	B3F
452	3101051020010	Chip capacitor 0402 1000PF	1	C613	B3G
453	3101051020010	Chip capacitor 0402 1000PF	1	C615	B2B
454	3101051020010	Chip capacitor 0402 1000PF	1	C617	B2B
455	3101051020010	Chip capacitor 0402 1000PF	1	C619	B2E
456	3101051020010	Chip capacitor 0402 1000PF	1	C621	B3B
457	3101051020010	Chip capacitor 0402 1000PF	1	C624	B1A
458	3101051020010	Chip capacitor 0402 1000PF	1	C626	B1A
459	3101051020010	Chip capacitor 0402 1000PF	1	C629	B1H
460	3101051020010	Chip capacitor 0402 1000PF	1	C632	B4I
461	3101051020010	Chip capacitor 0402 1000PF	1	C633	B5H
462	3101051020010	Chip capacitor 0402 1000PF	1	C637	B3I

No.	Material No.	Description	Qty.	Ref.No.	Address
463	3101051020010	Chip capacitor 0402 1000PF	1	C664	B4A
464	3101051020010	Chip capacitor 0402 1000PF	1	C665	B1A
465	3101051020010	Chip capacitor 0402 1000PF	1	C670	B2B
466	3101051020010	Chip capacitor 0402 1000PF	1	C686	B1A
467	3101051020010	Chip capacitor 0402 1000PF	1	C687	B2E
468	3101051020010	Chip capacitor 0402 1000PF	1	C710	B3F
469	3101051020010	Chip capacitor 0402 1000PF	1	C711	B3F
470	3101051020010	Chip capacitor 0402 1000PF	1	C713	B3F
471	3101051020010	Chip capacitor 0402 1000PF	1	C723	B4A
472	3101051030020	Chip capacitor 0402 0.01UF	1	C122	T5E
473	3101051030020	Chip capacitor 0402 0.01UF	1	C213	T3I
474	3101051030020	Chip capacitor 0402 0.01UF	1	C258	T2I
475	3101051030020	Chip capacitor 0402 0.01UF	1	C267	T2I
476	3101051030020	Chip capacitor 0402 0.01UF	1	C272	T1I
477	3101051030020	Chip capacitor 0402 0.01UF	1	C280	B1B
478	3101051030020	Chip capacitor 0402 0.01UF	1	C421	T4C
479	3101051030020	Chip capacitor 0402 0.01UF	1	C425	T4C
480	3101051030020	Chip capacitor 0402 0.01UF	1	C474	T3B
481	3101051030020	Chip capacitor 0402 0.01UF	1	C489	T1E
482	3101051030020	Chip capacitor 0402 0.01UF	1	C496	T1F
483	3101051030020	Chip capacitor 0402 0.01UF	1	C497	T1D
484	3101051030020	Chip capacitor 0402 0.01UF	1	C500	T1E
485	3101051030020	Chip capacitor 0402 0.01UF	1	C522	T2D
486	3101051030020	Chip capacitor 0402 0.01UF	1	C523	T2D
487	3101051030020	Chip capacitor 0402 0.01UF	1	C527	T2D
488	3101051030020	Chip capacitor 0402 0.01UF	1	C630	B5G
489	3101051030020	Chip capacitor 0402 0.01UF	1	C631	B4G
490	3101051030020	Chip capacitor 0402 0.01UF	1	C638	B3G
491	3101051030020	Chip capacitor 0402 0.01UF	1	C667	B2B
492	3101051040060	Chip capacitor 0402 0.1UF	1	C110	T5E
493	3101051040060	Chip capacitor 0402 0.1UF	1	C124	T5E
494	3101051040060	Chip capacitor 0402 0.1UF	1	C135	T3E
495	3101051040060	Chip capacitor 0402 0.1UF	1	C159	T5G
496	3101051040060	Chip capacitor 0402 0.1UF	1	C161	T5F
497	3101051040060	Chip capacitor 0402 0.1UF	1	C167	T4G
498	3101051040060	Chip capacitor 0402 0.1UF	1	C177	T5H
499	3101051040060	Chip capacitor 0402 0.1UF	1	C209	T5I
500	3101051040060	Chip capacitor 0402 0.1UF	1	C215	T3I
501	3101051040060	Chip capacitor 0402 0.1UF	1	C216	B1A
502	3101051040060	Chip capacitor 0402 0.1UF	1	C239	B3D
503	3101051040060	Chip capacitor 0402 0.1UF	1	C240	B3D
504	3101051040060	Chip capacitor 0402 0.1UF	1	C246	T2H

No.	Material No.	Description	Qty.	Ref.No.	Address
505	3101051040060	Chip capacitor 0402 0.1UF	1	C268	T2I
506	3101051040060	Chip capacitor 0402 0.1UF	1	C277	T1H
507	3101051040060	Chip capacitor 0402 0.1UF	1	C279	T2H
508	3101051040060	Chip capacitor 0402 0.1UF	1	C282	T3H
509	3101051040060	Chip capacitor 0402 0.1UF	1	C283	T3H
510	3101051040060	Chip capacitor 0402 0.1UF	1	C285	T3H
511	3101051040060	Chip capacitor 0402 0.1UF	1	C306	T1H
512	3101051040060	Chip capacitor 0402 0.1UF	1	C307	T2H
513	3101051040060	Chip capacitor 0402 0.1UF	1	C407	T3C
514	3101051040060	Chip capacitor 0402 0.1UF	1	C411	T5D
515	3101051040060	Chip capacitor 0402 0.1UF	1	C417	T5D
516	3101051040060	Chip capacitor 0402 0.1UF	1	C419	T4C
517	3101051040060	Chip capacitor 0402 0.1UF	1	C456	T3C
518	3101051040060	Chip capacitor 0402 0.1UF	1	C462	T2B
519	3101051040060	Chip capacitor 0402 0.1UF	1	C468	T3C
520	3101051040060	Chip capacitor 0402 0.1UF	1	C494	T2G
521	3101051040060	Chip capacitor 0402 0.1UF	1	C502	T1E
522	3101051040060	Chip capacitor 0402 0.1UF	1	C503	T2E
523	3101051040060	Chip capacitor 0402 0.1UF	1	C505	T1F
524	3101051040060	Chip capacitor 0402 0.1UF	1	C506	T1F
525	3101051040060	Chip capacitor 0402 0.1UF	1	C507	T2F
526	3101051040060	Chip capacitor 0402 0.1UF	1	C514	T2E
527	3101051040060	Chip capacitor 0402 0.1UF	1	C519	T2G
528	3101051040060	Chip capacitor 0402 0.1UF	1	C538	T2D
529	3101051040060	Chip capacitor 0402 0.1UF	1	C608	B1D
530	3101051040060	Chip capacitor 0402 0.1UF	1	C622	B3E
531	3101051040060	Chip capacitor 0402 0.1UF	1	C623	B3B
532	3101051040060	Chip capacitor 0402 0.1UF	1	C668	B1A
533	3101051040060	Chip capacitor 0402 0.1UF	1	C669	B1A
534	3101051040060	Chip capacitor 0402 0.1UF	1	C708	B3E
535	3101051050000	Chip capacitor 0402 1UF	1	C219	T2G
536	3101051050000	Chip capacitor 0402 1UF	1	C223	T2E
537	3101051050000	Chip capacitor 0402 1UF	1	C228	B3D
538	3101051050000	Chip capacitor 0402 1UF	1	C230	B2D
539	3101051050000	Chip capacitor 0402 1UF	1	C231	B2D
540	3101051050000	Chip capacitor 0402 1UF	1	C232	B2D
541	3101051050000	Chip capacitor 0402 1UF	1	C235	B3D
542	3101051050000	Chip capacitor 0402 1UF	1	C248	T3H
543	3101051050000	Chip capacitor 0402 1UF	1	C252	T3H
544	3101051050000	Chip capacitor 0402 1UF	1	C255	T4I
545	3101051050000	Chip capacitor 0402 1UF	1	C275	T3H
546	3101051050000	Chip capacitor 0402 1UF	1	C286	B2D

No.	Material No.	Description	Qty.	Ref.No.	Address
547	3101051050000	Chip capacitor 0402 1UF	1	C287	B2D
548	3101051050000	Chip capacitor 0402 1UF	1	C288	B2D
549	3101051050000	Chip capacitor 0402 1UF	1	C289	T2G
550	3101051050000	Chip capacitor 0402 1UF	1	C290	T4I
551	3101051050000	Chip capacitor 0402 1UF	1	C294	T2H
552	3101051050000	Chip capacitor 0402 1UF	1	C635	B4I
553	3101051200020	Chip capacitor 0402 12PF	1	C491	T2D
554	3101051200020	Chip capacitor 0402 12PF	1	C529	T2C
555	3101051200020	Chip capacitor 0402 12PF	1	C537	T2C
556	3101051230000	Chip capacitor 0402 0.012UF	1	C254	T3I
557	3101051500020	Chip capacitor 0402 15PF	1	C136	T3E
558	3101051500020	Chip capacitor 0402 15PF	1	C210	T4I
559	3101051500020	Chip capacitor 0402 15PF	1	C211	T5I
560	3101051500020	Chip capacitor 0402 15PF	1	C627	B3I
561	3101051510000	Chip capacitor 0402 150PF(±5%)	1	C261	T2H
562	3101051530010	Chip capacitor 0402 0.015UF	1	C180	T5H
563	3101051530010	Chip capacitor 0402 0.015UF	1	C250	T3H
564	3101051530010	Chip capacitor 0402 0.015UF	1	C291	T3G
565	3101051590000	Chip capacitor 0402 1.5PF	1	C151	T3G
566	3101051590000	Chip capacitor 0402 1.5PF	1	C154	T3G
567	3101051820000	Chip capacitor 0402 1800PF	1	C513	T2E
568	3101051830000	Chip capacitor 0402 0.018UF	1	C179	T5H
569	3101051830000	Chip capacitor 0402 0.018UF	1	C247	T3H
570	3101051830000	Chip capacitor 0402 0.018UF	1	C251	T3H
571	3101051830000	Chip capacitor 0402 0.018UF	1	C292	T3G
572	3101052200010	Chip capacitor 0402 22PF	1	C263	T1G
573	3101052200010	Chip capacitor 0402 22PF	1	C264	T2G
574	3101052200010	Chip capacitor 0402 22PF	1	C535	T2C
575	3101052200010	Chip capacitor 0402 22PF	1	C539	T1E
576	3101052200010	Chip capacitor 0402 22PF	1	C540	T1F
577	3101052210010	Chip capacitor 0402 220PF	1	C257	T2I
578	3101052220010	Chip capacitor 0402 2200pF	1	C296	T3I
579	3101052230000	Chip capacitor 0402 0.022UF	1	C233	B3D
580	3101052230000	Chip capacitor 0402 0.022UF	1	C707	B3E
581	3101052240010	Chip capacitor 0402 0.22UF	1	C212	T3I
582	3101052240010	Chip capacitor 0402 0.22UF	1	C236	B3D
583	3101052490010	Chip capacitor 0402 2.4PF	1	C457	T3B
584	3101052700000	Chip capacitor 0402 27PF	1	C533	T3C
585	3101052700000	Chip capacitor 0402 27PF	1	C536	T3C
586	3101052700000	Chip capacitor 0402 27PF	1	C628	B2I
587	3101052700000	Chip capacitor 0402 27PF	1	C636	B3I
588	3101052710000	Chip capacitor 0402 270PF	1	C465	T3B

No.	Material No.	Description	Qty.	Ref.No.	Address
589	3101052710000	Chip capacitor 0402 270PF	1	C467	T3C
590	3101052730000	Chip capacitor 0402 0.027UF	1	C260	T2H
591	3101053300000	Chip capacitor 0402 33PF	1	C130	T3E
592	3101053300000	Chip capacitor 0402 33PF	1	C226	T2H
593	3101053300000	Chip capacitor 0402 33PF	1	C242	T3H
594	3101053300000	Chip capacitor 0402 33PF	1	C499	T1E
595	3101053300000	Chip capacitor 0402 33PF	1	C300	T1H
596	3101053690000	Chip capacitor 0402 3.6PF	1	C454	T3B
597	3101053900000	Chip capacitor 0402 39PF	1	C452	T3A
598	3101053900000	Chip capacitor 0402 39PF	1	C458	T3A
599	3101053900000	Chip capacitor 0402 39PF	1	C532	T3B
600	3101053930000	Chip capacitor 0402 0.039UF	1	C256	T2I
601	3101054700010	Chip capacitor 0402 47PF	1	C137	T3G
602	3101054700010	Chip capacitor 0402 47PF	1	C146	T4G
603	3101054700010	Chip capacitor 0402 47PF	1	C149	T3G
604	3101054700010	Chip capacitor 0402 47PF	1	C150	T3G
605	3101054700010	Chip capacitor 0402 47PF	1	C152	T4G
606	3101054700010	Chip capacitor 0402 47PF	1	C157	T4G
607	3101054700010	Chip capacitor 0402 47PF	1	C185	T3G
608	3101054700010	Chip capacitor 0402 47PF	1	C221	T2G
609	3101054700010	Chip capacitor 0402 47PF	1	C229	B2D
610	3101054700010	Chip capacitor 0402 47PF	1	C234	B3D
611	3101054710010	Chip capacitor 0402 470PF	1	C109	T5E
612	3101054710010	Chip capacitor 0402 470PF	1	C118	T5E
613	3101054710010	Chip capacitor 0402 470PF	1	C125	T4E
614	3101054710010	Chip capacitor 0402 470PF	1	C127	T5E
615	3101054710010	Chip capacitor 0402 470PF	1	C128	T4E
616	3101054710010	Chip capacitor 0402 470PF	1	C131	T3E
617	3101054710010	Chip capacitor 0402 470PF	1	C132	T3E
618	3101054710010	Chip capacitor 0402 470PF	1	C134	T3E
619	3101054710010	Chip capacitor 0402 470PF	1	C139	T4F
620	3101054710010	Chip capacitor 0402 470PF	1	C147	T4G
621	3101054710010	Chip capacitor 0402 470PF	1	C148	T3G
622	3101054710010	Chip capacitor 0402 470PF	1	C160	T5G
623	3101054710010	Chip capacitor 0402 470PF	1	C172	T4H
624	3101054710010	Chip capacitor 0402 470PF	1	C237	B3D
625	3101054710010	Chip capacitor 0402 470PF	1	C276	T1G
626	3101054710010	Chip capacitor 0402 470PF	1	C402	T3D
627	3101054710010	Chip capacitor 0402 470PF	1	C404	T4D
628	3101054710010	Chip capacitor 0402 470PF	1	C405	T4D
629	3101054710010	Chip capacitor 0402 470PF	1	C406	T3C
630	3101054710010	Chip capacitor 0402 470PF	1	C412	B4D

No.	Material No.	Description	Qty.	Ref.No.	Address
631	3101054710010	Chip capacitor 0402 470PF	1	C413	T4D
632	3101054710010	Chip capacitor 0402 470PF	1	C420	T4C
633	3101054710010	Chip capacitor 0402 470PF	1	C423	B4B
634	3101054710010	Chip capacitor 0402 470PF	1	C424	T4C
635	3101054710010	Chip capacitor 0402 470PF	1	C426	B5D
636	3101054710010	Chip capacitor 0402 470PF	1	C438	T4C
637	3101054710010	Chip capacitor 0402 470PF	1	C439	B4D
638	3101054710010	Chip capacitor 0402 470PF	1	C440	B4D
639	3101054710010	Chip capacitor 0402 470PF	1	C483	T2C
640	3101054710010	Chip capacitor 0402 470PF	1	C508	T2E
641	3101054710010	Chip capacitor 0402 470PF	1	C509	T2E
642	3101054710010	Chip capacitor 0402 470PF	1	C518	T3D
643	3101054710010	Chip capacitor 0402 470PF	1	C524	T2D
644	3101054710010	Chip capacitor 0402 470PF	1	C528	T2D
645	3101054710010	Chip capacitor 0402 470PF	1	C625	B1A
646	3101054710010	Chip capacitor 0402 470PF	1	C641	B3A
647	3101054710010	Chip capacitor 0402 470PF	1	C642	B3A
648	3101054710010	Chip capacitor 0402 470PF	1	C644	B3A
649	3101054710010	Chip capacitor 0402 470PF	1	C645	B3A
650	3101054710010	Chip capacitor 0402 470PF	1	C672	B2C
651	3101054710010	Chip capacitor 0402 470PF	1	C701	B1F
652	3101054710010	Chip capacitor 0402 470PF	1	C702	B3E
653	3101054710010	Chip capacitor 0402 470PF	1	C717	B1E
654	3101054720000	Chip capacitor 0402 4700PF	1	C214	T3I
655	3101054720000	Chip capacitor 0402 4700PF	1	C241	T3H
656	3101054720000	Chip capacitor 0402 4700PF	1	C281	B1A
657	3101054730000	Chip capacitor 0402 0.047UF	1	C207	T5I
658	3101054740000	Chip capacitor 0402 0.47UF	1	C201	T2H
659	3101054740000	Chip capacitor 0402 0.47UF	1	C218	T3H
660	3101054740000	Chip capacitor 0402 0.47UF	1	C225	T2H
661	3101055600000	Chip capacitor 0402 56PF	1	C510	T2E
662	3101055610000	Chip capacitor 0402 560PF	1	C227	T2H
663	3101055610000	Chip capacitor 0402 560PF	1	C301	T1H
664	3101055620010	Chip capacitor 0402 5600PF	1	C266	T2I
665	3101056830000	Chip capacitor 0402 0.068UF	1	C253	T2H
666	3101058200000	Chip capacitor 0402 82PF	1	C504	T2E
667	3101060100010	Chip capacitor 0603 1PF	1	C432	T4C
668	3101060100010	Chip capacitor 0603 1PF	1	C436	T4B
669	3101060100010	Chip capacitor 0603 1PF	1	C444	T5B
670	3101060100010	Chip capacitor 0603 1PF	1	C447	T4B
671	3101060200010	Chip capacitor 0603 2PF	1	C443	T5B
672	3101060300010	Chip capacitor 0603 3PF	1	C105	T3E

No.	Material No.	Description	Qty.	Ref.No.	Address
673	3101060300010	Chip capacitor 0603 3PF	1	C429	T5C
674	3101060300010	Chip capacitor 0603 3PF	1	C441	T4B
675	3101060300010	Chip capacitor 0603 3PF	1	C446	T4B
676	3101060300010	Chip capacitor 0603 3PF	1	C448	T5B
677	3101060400010	Chip capacitor 0603 4PF	1	C107	T4E
678	3101060400010	Chip capacitor 0603 4PF	1	C117	T4E
679	3101060590010	Chip capacitor 0603 0.5PF	1	C111	T4E
680	3101060590010	Chip capacitor 0603 0.5PF	1	C120	T5E
681	3101060590010	Chip capacitor 0603 0.5PF	1	C123	T4E
682	3101060600010	Chip capacitor 0603 6PF	1	C106	T4E
683	3101060600010	Chip capacitor 0603 6PF	1	C116	T4E
684	3101060700020	Chip capacitor 0603 7PF	1	C435	T5B
685	3101061010010	Chip capacitor 0603 100PF	1	C437	T4B
686	3101061010010	Chip capacitor 0603 100PF	1	C451	T4B
687	3101061050060	Chip capacitor 0603 1UF	1	C422	B4B
688	3101061050060	Chip capacitor 0603 1UF	1	C603	B2E
689	3101061050060	Chip capacitor 0603 1UF	1	C614	B2B
690	3101061050060	Chip capacitor 0603 1UF	1	C618	B3E
691	3101061100010	Chip capacitor 0603 11PF	1	C409	T4D
692	3101061210000	Chip capacitor 0603 120PF	1	C408	T4D
693	3101061300000	Chip capacitor 0603 13PF	1	C520	T5C
694	3101061500010	Chip capacitor 0603 15PF	1	C415	T4D
695	3101061590010	Chip capacitor 0603 1.5PF	1	C445	T5B
696	3101061590010	Chip capacitor 0603 1.5PF	1	C449	T4A
697	3101062210000	Chip capacitor 0603 220PF	1	C414	T5D
698	3101062250000	Chip capacitor 0603 2.2UF	1	C512	T2E
699	3101062490000	Chip capacitor 0603 2.4PF	1	C526	T5B
700	3101063300000	Chip capacitor 0603 33PF	1	C112	T4F
701	3101063300000	Chip capacitor 0603 33PF	1	C428	T5C
702	3101063690000	Chip capacitor 0603 3.6PF	1	C115	T4E
703	3101064700000	Chip capacitor 0603 47PF	1	C102	T3F
704	3101064710000	Chip capacitor 0603 470PF	1	C442	T4B
705	3101064710000	Chip capacitor 0603 470PF	1	C501	T1E
706	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm	1	TC104	T3F
707	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm	1	TC114	T5F
708	3104071040010	Tantalum capacitor 0805 0.1UF	1	C168	T5G
709	3104071040010	Tantalum capacitor 0805 0.1UF	1	C170	T5F
710	3104071050010	Tantalum capacitor 0805 1UF	1	C121	T5F
711	3104071050010	Tantalum capacitor 0805 1UF	1	C243	T3H
712	3104071050010	Tantalum capacitor 0805 1UF	1	C244	T3H
713	3104071050010	Tantalum capacitor 0805 1UF	1	C709	B3F
714	3104071050010	Tantalum capacitor 0805 1UF	1	C298	T1I

No.	Material No.	Description	Qty.	Ref.No.	Address
715	3104071050010	Tantalum capacitor 0805 1UF	1	C299	T1I
716	3104071050010	Tantalum capacitor 0805 1UF	1	C304	T1H
717	3104071060010	Tantalum capacitor 0805 10UF	1	C171	T4H
718	3104071060010	Tantalum capacitor 0805 10UF	1	C495	T2E
719	3104071060040	Tantalum capacitor 0805 10UF	1	C634	B4I
720	3104071060040	Tantalum capacitor 0805 10UF	1	C671	B3C
721	3104071560020	Tantalum capacitor 0805 15UF	1	C245	T2H
722	3104074740010	Tantalum capacitor 0805 0.47UF	1	C530	T2B
723	3104074750030	Tantalum capacitor 0805 4.7UF	1	C126	T5E
724	3104074750030	Tantalum capacitor 0805 4.7UF	1	C158	T5G
725	3104074750030	Tantalum capacitor 0805 4.7UF	1	C178	T5G
726	3104074750030	Tantalum capacitor 0805 4.7UF	1	C208	T1H
727	3104074750030	Tantalum capacitor 0805 4.7UF	1	C259	T2I
728	3104074750030	Tantalum capacitor 0805 4.7UF	1	C271	T1I
729	3104074750030	Tantalum capacitor 0805 4.7UF	1	C274	T3G
730	3104074750030	Tantalum capacitor 0805 4.7UF	1	C418	B5D
731	3104074750030	Tantalum capacitor 0805 4.7UF	1	C607	B2D
732	3104074750030	Tantalum capacitor 0805 4.7UF	1	C612	B3F
733	3104074750030	Tantalum capacitor 0805 4.7UF	1	C616	B3B
734	3104074750030	Tantalum capacitor 0805 4.7UF	1	C620	B3B
735	3104074750030	Tantalum capacitor 0805 4.7UF	1	C688	B2E
736	3104081050000	Tantalum capacitor 1206 1UF	1	C169	T5F
737	3104081060080	Tantalum capacitor 1206 10UF	1	C666	B2B
738	3104082260040	Tantalum capacitor 1206 22UF	1	C685	B1B
739	3104084750030	Tantalum capacitor 1206 4.7UF	1	C610	B2G
740	3210106101000	Bobbin inductor0603 100nH±2%	1	L102	T3E
741	3210106101000	Bobbin inductor0603 100nH±2%	1	L110	T5E
742	3210107221000	Bobbin inductor0805 220nH	1	L409	T4B
743	3210108170000	Bobbin inductor1206 17nH	1	L107	T4F
744	3210108230010	Bobbin inductor1206 23nH	1	L105	T3E
745	3210209102010	Bobbin inductor1210 1uH	1	L414	B4A
746	3210305150010	Multi-layer chip inductor 0402 15nH	1	L426	T2D
747	3210305180000	Multi-layer chip inductor 0402 18nH	1	L427	T3D
748	3210306150000	Multi-layer chip inductor 0603 15nH	1	L115	T3E
749	3210306180000	Multi-layer chip inductor 0603 18nH	1	L120	T3G
750	3210306220000	Multi-layer chip inductor 0603 22nH	1	L402	T3D
751	3210306220000	Multi-layer chip inductor 0603 22nH	1	L424	T3C
752	3210306279000	Multi-layer chip inductor 0603 2.7nH	1	L121	T3G
753	3210306339000	Multi-layer chip inductor 0603 3.3nH	1	L119	T4G
754	3210306339000	Multi-layer chip inductor 0603 3.3nH	1	L406	T4D
755	3210306470000	Multi-layer chip inductor 0603 47nH	1	L113	T4E
756	3210306561010	Multi-layer chip inductor 0603 560nH	1	L429	T1E

No.	Material No.	Description	Qty.	Ref.No.	Address
757	3210306569000	Multi-layer chip inductor 0603 5.6nH	1	L433	T5D
758	3210406331000	Multi-layer chip inductor 0603 330nH	1	L405	T2D
759	3213212102000	Multi-layer chip inductor 1008 1uH	1	L404	T4D
760	3213306102000	Multi-layer chip inductor 0603 1uH	1	L432	T1F
761	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L103	T3F
762	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L104	T4F
763	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L106	T4E
764	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L108	T4E
765	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L111	T5F
766	3213306332000	Multi-layer chip inductor 0603 3.3uH	1	L112	T4F
767	3213306561000	Multi-layer chip inductor 0603 0.56uH	1	L124	T4H
768	3213306821000	Chip inductor 0603 0.82uH±10%	1	L430	T2D
769	3214307180000	Inductor 0805 18nH	1	L420	T2C
770	3214307181000	Inductor 0805 180nH(Q)	1	L419	T2B
771	3214307181000	Inductor 0805 180nH(Q)	1	L425	T2B
772	3214307270010	Inductor 0805 27nH	1	L418	T3B
773	3215006100010	Multi-layer chip inductor 0603 10nH	1	L116	T3F
774	3215006100010	Multi-layer chip inductor 0603 10nH	1	L118	T4G
775	3215006100010	Multi-layer chip inductor 0603 10nH	1	L122	T3G
776	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L123	T5G
777	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L128	T5E
778	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L129	T4F
779	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L403	T3D
780	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L423	T1C
781	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L601	B2D
782	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L602	B2A
783	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L604	B4I
784	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L605	B2G
785	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L606	B3G
786	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L607	B1G
787	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L701	B1F
788	3221506601000	Chip ferrite bead 0603 600Ω±25%	1	L702	B3E
789	3221507221000	Chip ferrite bead 0805 220Ω±25%	1	L408	T4C
790	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L410	T4B
791	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L411	T4B
792	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L412	T5B
793	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L413	T5B
794	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L415	T3B
795	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L416	T3B
796	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L417	T3B
797	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L421	T3C
798	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L422	T2C

No.	Material No.	Description	Qty.	Ref.No.	Address
799	3231351640000	Air-core inductor E2-0.35*1.6*4TL	1	L431	T3C
800	3231351680000	Air-core inductor E2-0.35*1.6*8TR	1	L407	T4C
801	3303020100020	Switching diode MA2S11100L	1	D110	T5E
802	3303020100020	Switching diode MA2S11100L	1	D115	T5G
803	3303020100020	Switching diode MA2S11100L	1	D205	B3D
804	3303020100020	Switching diode MA2S11100L	1	D602	B2D
805	3303020100020	Switching diode MA2S11100L	1	D710	B1F
806	3303020100060	Switching diode MA3J74200L	1	D204	T2I
807	3303020100070	Switching diode MA2Z07700L	1	D403	T4B
808	3303020100080	Switching diode MA2S07700L	1	D111	T3F
809	3303020100080	Switching diode MA2S07700L	1	D112	T4G
810	3303020100080	Switching diode MA2S07700L	1	D113	T4G
811	3303020100080	Switching diode MA2S07700L	1	D114	T3F
812	3303020100080	Switching diode MA2S07700L	1	D401	T3D
813	3303020100080	Switching diode MA2S07700L	1	D402	T3D
814	3303020100080	Switching diode MA2S07700L	1	D407	T4B
815	3303020100080	Switching diode MA2S07700L	1	D408	T4B
816	3303030100010	Switching diode DAN222(TL)	1	D415	T1F
817	3303030100010	Switching diode DAN222(TL)	1	D416	T1F
818	3303030100010	Switching diode DAN222(TL)	1	D603	B2G
819	3303030300000	Schottky barrier diode	1	D202	B3D
820	3303030300000	Schottky barrier diode	1	D203	B2D
821	3303030300000	Schottky barrier diode	1	D206	B2D
822	3304010100160	Varactor 1SV278(TH2,F,T)	1	D109	T5E
823	3304060300010	Varactor HVC376BTRF-E	1	D101	T4F
824	3304060300010	Varactor HVC376BTRF-E	1	D102	T3F
825	3304060300010	Varactor HVC376BTRF-E	1	D103	T3F
826	3304060300010	Varactor HVC376BTRF-E	1	D104	T3F
827	3304060300010	Varactor HVC376BTRF-E	1	D105	T4F
828	3304060300010	Varactor HVC376BTRF-E	1	D106	T4F
829	3304060300010	Varactor HVC376BTRF-E	1	D107	T4F
830	3304060300010	Varactor HVC376BTRF-E	1	D108	T4F
831	3304060300050	Varactor HVC350BTRF-E	1	D409	T3A
832	3304060300050	Varactor HVC350BTRF-E	1	D410	T3B
833	3304060300050	Varactor HVC350BTRF-E	1	D411	T3A
834	3304060300050	Varactor HVC350BTRF-E	1	D413	T3C
835	3304060300050	Varactor HVC350BTRF-E	1	D414	T2C
836	3304060300050	Varactor HVC350BTRF-E	1	D419	T3C
837	3307110100070	LED KPT-1608SRC	1	D604	B1A
838	3307110100080	LED KPT-1608SGC	1	D605	B1A
839	3308250100000	Attenuator Diode HSMP-3820-TR1G	1	D417	T2B
840	3309030600000	Noise Clipping Diode RSA6.1EN	1	D609	B2D

No.	Material No.	Description	Qty.	Ref.No.	Address
841	3399990000080	Voltage regulating diode EDZTE616.8B	1	D405	B5D
842	3399990000080	Voltage regulating diode EDZTE616.8B	1	D412	T5D
843	3399990000080	Voltage regulating diode EDZTE616.8B	1	D606	B2C
844	3399990000080	Voltage regulating diode EDZTE616.8B	1	D607	B1C
845	3399990000080	Voltage regulating diode EDZTE616.8B	1	D608	B2C
846	3399990000080	Voltage regulating diode EDZTE616.8B	1	D610	B1C
847	3399990000080	Voltage regulating diode EDZTE616.8B	1	D611	B1C
848	3399990000110	Diode ISR154-400 TE25	1	D601	B4B
849	3399990000260	Diode HSM88ASTL-E	1	D418	T3B
850	3401001000490	Transistor 2SA1832-GR(TE85L.F)	1	Q208	B3D
851	3401002000150	Transistor 2SC4738F-GR(T5L,F)	1	Q207	B3D
852	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q105	T4E
853	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q106	T3E
854	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q107	T3F
855	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q109	T3G
856	3401002000990	Transistor 2SC5108-Y(TE85L.F)	1	Q412	T1E
857	3403002000000	Transistor 2SB1132FD5T100R	1	Q701	B1F
858	3403003000060	Transistor 2SC4617TLS	1	Q104	T4E
859	3403003000060	Transistor 2SC4617TLS	1	Q205	T3H
860	3403003000060	Transistor 2SC4617TLS	1	Q702	B1F
861	3403007000000	Transistor DTA114EE(TL)	1	Q111	T3F
862	3403007000000	Transistor DTA114EE(TL)	1	Q407	B5D
863	3403007000000	Transistor DTA114EE(TL)	1	Q413	T2D
864	3403007000000	Transistor DTA114EE(TL)	1	Q414	T2E
865	3403008000010	Transistor DTC114EE(TL)	1	Q112	T3F
866	3403008000010	Transistor DTC114EE(TL)	1	Q113	T4G
867	3403008000010	Transistor DTC114EE(TL)	1	Q405	B5D
868	3403008000010	Transistor DTC114EE(TL)	1	Q406	B4D
869	3403008000010	Transistor DTC114EE(TL)	1	Q611	B2A
870	3403008000010	Transistor DTC114EE(TL)	1	Q612	B2A
871	3403008000030	Transistor DTC114TE	1	Q403	B4D
872	3403008000050	Transistor DTC114YE(TL)	1	Q615	B2B
873	3403008000070	Transistor DTC144EE(TL)	1	Q602	B2D
874	3403008000070	Transistor DTC144EE(TL)	1	Q608	B2B
875	3403008000070	Transistor DTC144EE(TL)	1	Q609	B3B
876	3403008000070	Transistor DTC144EE(TL)	1	Q610	B3I
877	3406001000090	Transistor 2SC4988FRTR-E	1	Q402	T4D
878	3410001000020	Transistor 2SA1745	1	Q601	B1D
879	3410001000020	Transistor 2SA1745	1	Q603	B3G
880	3410001000020	Transistor 2SA1745	1	Q606	B2B
881	3410001000020	Transistor 2SA1745	1	Q607	B3C
882	3411002000020	Transistor 2SC5343EG	1	Q416	T2B

No.	Material No.	Description	Qty.	Ref.No.	Address
883	3418001000010	Transistor AT-41511-TR1G	1	Q410	T3B
884	3499000000140	Transistor 2SK508-K52-T1B-A	1	Q101	T4E
885	3499000000140	Transistor 2SK508-K52-T1B-A	1	Q103	T4E
886	3499000000150	Transistor UMC4(NTR)	1	Q102	T5E
887	3501020000030	FET 3SK318YB-TL-E-Q	1	Q415	T2C
888	3503010000010	FET 2SJ243-T1-A	1	Q110	T5E
889	3503010000010	FET 2SJ243-T1-A	1	Q616	B2C
890	3503020000030	FET 2SK1824-T1-A	1	Q203	T3H
891	3503020000030	FET 2SK1824-T1-A	1	Q204	T1H
892	3503020000030	FET 2SK1824-T1-A	1	Q408	B4D
893	3503020000030	FET 2SK1824-T1-A	1	Q604	B2G
894	3503020000030	FET 2SK1824-T1-A	1	Q605	B2G
895	3503040000010	FET UPA672T-T1-A	1	Q618	B2C
896	3504990000010	FET RD01MUS2-T113	1	Q404	T5D
897	3515990000000	FET RQA0002DNSTB-E	1	Q409	T5C
898	3602023005740	Audio amplifier TDA8547TS 2x0.7W	1	U609	B1B
899	3603002005440	IF processor TA31136FNG(EL.HZ) 455MHz	1	U403	T1E
900	3604025004350	PLL ADF4111BRUZ 1.2GHz	1	U101	T5G
901	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U201	T2G
902	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U204	B3D
903	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U205	T2I
904	3605002057290	Operational amplifier TC75W51FU(TE12.F)	1	U206	T2I
905	3605008005070	Operational amplifier NJM2904V	1	U401	B4D
906	3608015000000	Power management IC(voltage regulator)	1	U602	B2G
907	3608015005590	Power management IC XC6201T302PR	1	U601	B1D
908	3608015005590	Power management IC XC6201T302PR	1	U701	B3F
909	3608020005750	Power management IC TK11250CM-G 5.0V	1	U603	B3B
910	3608020005750	Power management IC TK11250CM-G 5.0V	1	U604	B3E
911	3609006003050	Reset IC R3111N421A-TR-F	1	U607	B4I
912	3609018000010	DTMF Decoder BU8872FS SSOP-A16	1	U202	T4I
913	3609120000000	Acceleration sensor MXD2020ML	1	U608	B4G
914	3610045000200	SCM M3062LFGPGP	1	U605	B3H
915	3612051000020	Memory 24FC512-I/SM	1	U606	B1H
916	3613034001060	Baseband processor AK2346-E2	1	U203	T2H
917	3613034001060	Baseband processor AK2346-E2	1	U208	T1H
918	3701016850010	TCXO 16.8MHz 5V DSA535SA(5×3.2)	1	X101	T4G
919	3701041940010	Crystal 4.194304MHz(11.8*5.5*2.5)	1	X201	T5I
920	3701098340010	Crystal 9.8304MHz DSX530GA(5×3.2)	1	X601	B2I
921	3701443940010	Crystal oscillator 44.395MHz±10PPm	1	X401	T1E
922	3702368630020	Crystal 3.6864MHz DSX151GA(11.8×5.5)	1	X202	T1G
923	3801045530000	Ceramic filter 455KHz±4.5KHz	1	Z403	T1F
924	3802448540000	Crystal filter 44.85MHz±6kHz	1	XF401	T1D

No.	Material No.	Description	Qty.	Ref.No.	Address
925	40990000000050	Fuse 046602.5NR 2.5A/32V	1	F601	B2A
926	43010800000020	Momentary contact switch	1	SW719	B4A
927	5202010100010	Socket XF2M-1015-1A	1	J701	B3E
928	5202020100040	Connector XF2M-2015-1A	1	J602	B2C
929	5207014200020	FFC/FPC connector SD-52745-1497	1	J702	B2E
930	41007801002A0	TC-780U Main board PCB 1.2T/6L/4P	1		

TC-780 VHF/UHF Parts List 1 (Keyboard Unit)

No.	Material No.	Description	Qty.	Ref.No.	Address
1	3001053910000	Chip resistor 0402 390Ω	1	R702	B4A
2	3101051020010	Chip capacitor 0402 1000PF	1	C717	B5A
3	3101051020010	Chip capacitor 0402 1000PF	1	C718	B5A
4	3101051020010	Chip capacitor 0402 1000PF	1	C719	B5A
5	3101051020010	Chip capacitor 0402 1000PF	1	C720	B5A
6	3101051020010	Chip capacitor 0402 1000PF	1	C721	B5A
7	3101051020010	Chip capacitor 0402 1000PF	1	C722	B4A
8	3101054710010	Chip capacitor 0402 470PF	1	C702	B4A
9	3307110100080	LED KPT-1608SGC	1	D702	T4F
10	3307110100080	LED KPT-1608SGC	1	D703	T2F
11	3307110100080	LED KPT-1608SGC	1	D704	T4E
12	3307110100080	LED KPT-1608SGC	1	D705	T2E
13	3307110100080	LED KPT-1608SGC	1	D706	T4D
14	3307110100080	LED KPT-1608SGC	1	D707	T2D
15	3307110100080	LED KPT-1608SGC	1	D708	T4G
16	3307110100080	LED KPT-1608SGC	1	D709	T2G
17	5207014200020	FFC/FPC Connector 14pin pitch 0.5mm	1	J702	B5A
18	3001051010000	Chip resistor 0402 100Ω J 1/16W	1	R703	B4A
19	3001051010000	Chip resistor 0402 100Ω J 1/16W	1	R704	B4A
20	3001051010000	Chip resistor 0402 100Ω J 1/16W	1	R705	B4A
21	41007802000C0	TC-780&TC-780M keyboard PCB 1.0T/2L/4P	1		

Adjustment Description

Required Test Instruments

1. Radio communication test set 1 set
2. Scanner 1 set
3. 3A/10V power supply 1 set
4. Digital voltmeter 1 set
5. 3A ammeter 1 set

Preparation

1. All Reset

1) Enter the Mode

Power on the radio through holding down  and SK1, and then release the keys to enter "all reset" mode.

2) Select Frequency Band

Press  /  to select the corresponding frequency band, and then press .

3) Select Reset Type:

"Dealer DEST"

"Factory DEST"

Press  /  to select a reset type. Press  to return to the previous menu, or  to confirm and enter data initialization process. The radio displays:

"Writing data..."

"Please Wait"

2. VCO

Item	Condition	Measurement		Adjustment		Specifications / Remarks
		Test Instrument	Terminal	Part	Method	
1. Setting	1. Power supply					
2. Tx VCO Lock Voltage	1. CH: Tx high.	Digital Voltmeter	CV	TC114	3.6V±0.1V	
	2. CH: Tx low.	VCO			Check	>0.5V

3. Rx VCO Lock Voltage	1. CH: Rx high.	Adjusting Fixture	CV	TC104	4.0V±0.1V	
	2. CH: Rx low.				Check	>0.5V

Adjustment Procedures

1. Procedures before Adjustment

Turn on the radio while holding down SK2 and , and then release the keys to enter manual adjust mode.

2. Adjustment Items

The purpose of manual adjustment is to adjust Tx frequency deviation, transmit power, Rx sensitivity, squelch, and etc.

1) SK2 Key

Set the operating frequency. Center frequency F3 is for one-point adjustment; F1, F3 and F5 are for three-point adjustment, and F1 through F5 are for five-point adjustment. Frequency switches from low to high in cycle.

2) Key

Set channel bandwidth. Value switches in the cycle of 25K -> 20K -> 12.5K.

3) PTT/SK1 (or the Channel Selector knob)

Press the PTT to adjust up, and press SK1 to adjust down. You may also rotate the Channel Selector knob clockwise to adjust up, or counter-clockwise to adjust down. Press the PTT to select a value for items BATT LOW, SQL and VOX.

4) Select an Adjustment Item

After entering the adjustment mode, the radio enters the first adjustment item. Press ▲ / ▼ to select an adjustment item and save the adjustment value of the previous item. When adjusting Tx items, LED glows red; when adjusting Rx items, LED glows green

5) Save an Adjustment Value

After adjustment is completed, you need to press ▲ / ▼ to save the adjustment value and go to another adjustment item.

6) Adjustment of Tuning Frequency Points (Tuning frequencies are set through the programming software.)

★ Five-point Adjustment (MHz)

TX: {TX1, TX2, TX3, TX4, TX5};

RX: {RX1, RX2, RX3, RX4, RX5}.

★ Three-point Adjustment (MHz)

TX: {TX1, TX3, TX5};

RX: {RX1, RX3, RX5}.

★ One-point Adjustment (MHz)

TX: {TX3};

RX: {RX3}.

7) Frequency Table of Five-point Adjustment

Frequency Band (MHz)	Point 1 (MHz)	Point 2 (MHz)	Point 3 (MHz)	Point 4 (MHz)	Point 5 (MHz)
136-174(V)	TX1:136 RX1:136.15	TX2:145.5 RX2:145.65	TX3:155 RX3:155.15	TX4:164.5 RX4:164.65	TX5:174 RX5:173.85
400-470(U1)	TX1:400 RX1:400.15	TX2:417.5 RX2:417.65	TX3:435 RX3:435.15	TX4:452.5 RX4:452.65	TX5:470 RX5:469.85
450-520(U2)	TX1:450 RX1:450.15	TX2:467.5 RX2:467.65	TX3:485 RX3:485.15	TX4:502.5 RX4:502.65	TX5:520 RX5:519.85

3. Operations and Objectives

Transmitter

Item	Condition	Test Instrument	Method	Objective
Power in tuning mode (Power In tune)	Enter the adjustment mode and select an item. The radio transmits. Adjust point 5 of wide band.	Radio Communication Test Set TX TEST	PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust power to 300 ± 200 mW
Tx Low Power (Tx L Power)	Enter the adjustment mode and select an item. Adjust point 5 of wide band.		PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust power to 1 W ± 0.2 W

Tx High Power (Tx H Power)	Enter the adjustment mode and select an item. Adjust point 5 of wide band.	Radio Communication Test Set TX TEST	PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust power to 5W, (4.7W) $\pm$ 0.2 W. Note: VHF: 5W UHF: 4.7W
Tx Medium Power (Tx M Power)	Enter the adjustment mode and select an item. Adjust point 5 of wide band.		PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust power to 2 ± 0.2 W
CDCSS Balance (DCS PII)	Enter the adjustment mode and select an item. Adjust point 3 of wide band, point 1 of medium band and point 3 of narrow band.	Radio Communication Test Set TX TEST HPF: 20 Hz LPF: 3 KHz	(1-255)	Make the demodulate waveform on the radio communication test set to square waveform.
CDCSS Deviation (DCS Dev)	Enter the adjustment mode and select an item. Adjust point 3 of wide band, point 1 of medium band and point 3 of narrow band.		PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust frequency deviation to 750 ± 50 Hz, 600 ± 50 Hz, 400 ± 50 Hz for wide, medium and narrow bands respectively.
CTCSS (67.0 Hz) Low Frequency Deviation (CTCSS L Dev)	Enter the adjustment mode and select an item. Adjust point 3 of wide band, point 1 of medium band and point 3 of narrow band.		PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust frequency deviation to 750 ± 50 Hz, 600 ± 50 Hz, 400 ± 50 Hz for wide, medium and narrow bands respectively.
CTCSS (136.5 Hz) Medium Frequency Deviation (CTCSS M Dev)	Enter the adjustment mode and select an item. Adjust point 3 of wide band, point 1 of medium band and point 3 of narrow band.		PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust frequency deviation to 750 ± 50 Hz, 600 ± 50 Hz, 400 ± 50 Hz for wide, medium and narrow bands respectively.

CTCSS (254.1Hz) High Frequency Deviation (CTCSS H Dev)	Enter the adjustment mode and select an item. Adjust point 3 of wide band, point 1 of medium band and point 3 of narrow band.	Radio Communication Test Set TX TEST HPF: 20 Hz LPF: 3 KHz	PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust frequency deviation to 750 ± 50 Hz, 600 ± 50 Hz, 400 ± 50 Hz for wide, medium and narrow bands respectively.
Tx Max Audio Deviation (Tx Max Dev)	Enter the adjustment mode and select an item. Adjust point 3 of wide band, point 1 of medium band and point 3 of narrow band.	Radio Communication Test Set Audio Test Cable TX TEST HPF: 20 Hz LPF: 15 KHz Audio Signal: 1 KHz 120mV	PTT (up) SK1 (down) or the Channel Selector knob (1-63)	Adjust frequency deviation to 4 ± 0.2 KHz, 3.2 ± 0.2 KHz, 2.0 ± 0.2 KHz for wide, medium and narrow bands respectively.
Tone Deviation (Tone Dev)	Enter the adjustment mode and select an item. The radio transmits (disable MSK, MIC, DTMF, CTCSS / CDCSS). Adjust point 3 of wide band, point 1 of medium band, and point 3 of narrowband.	Radio Communication Test Set TX TEST HPF: 20 Hz LPF: 15 KHz	PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust frequency deviation to 3.2 ± 0.2 KHz, 2.5 ± 0.2 KHz, 1.8 ± 0.2 KHz for wide, medium and narrow bands respectively.
DTMF Deviation (DTMF Dev)	Enter the adjustment mode and select an item. The radio transmits (disable MSK, MIC, 2-Tone, CTCSS / CDCSS). Adjust point 3 of wide band, point 1 of medium band, and point 3 of narrowband.		PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust frequency deviation to 3.2 ± 0.2 KHz, 2.5 ± 0.2 KHz, 1.8 ± 0.2 KHz for wide, medium and narrow bands respectively.
MSK Deviation (MSK Dev)	Enter the adjustment mode and select an item. The radio transmits (disable DTMF, MIC, 2-Tone, CTCSS / CDCSS). Adjust point 3 of wide band, point 1 of medium band, and point 3 of narrowband.		PTT (up) SK1 (down) or the Channel Selector knob (1-63)	Adjust frequency deviation to 2.5 ± 0.2 KHz, 2.0 ± 0.2 KHz, 1.6 ± 0.2 KHz for wide, medium and narrow bands respectively.

VOX GAIN1 (bVox Gain Min)	Enter the adjustment mode and select an item. Adjust point 1 of wide band.	Radio Communication Test Set TX TEST HPF: 20 Hz LPF: 15 KHz	Save	Adjust the frequency to 1KHz, and amplitude to10 mv for modulation signal, and then press the PTT to save.
VOX GAIN10 (bVox Gain Max)	Enter the adjustment mode and select an item. Adjust point 1 of wide band.		Save	Adjust the frequency to 1KHz, and amplitude to 4 mv for modulation signal, and then press the PTT to save.
Tx Low Battery	Enter the adjustment mode and select an item. Adjust point 1 of wide band (transmitting at high power).	Power Supply	Save	Adjust the voltage to 5.8V and then press the PTT key to save.

Receiver

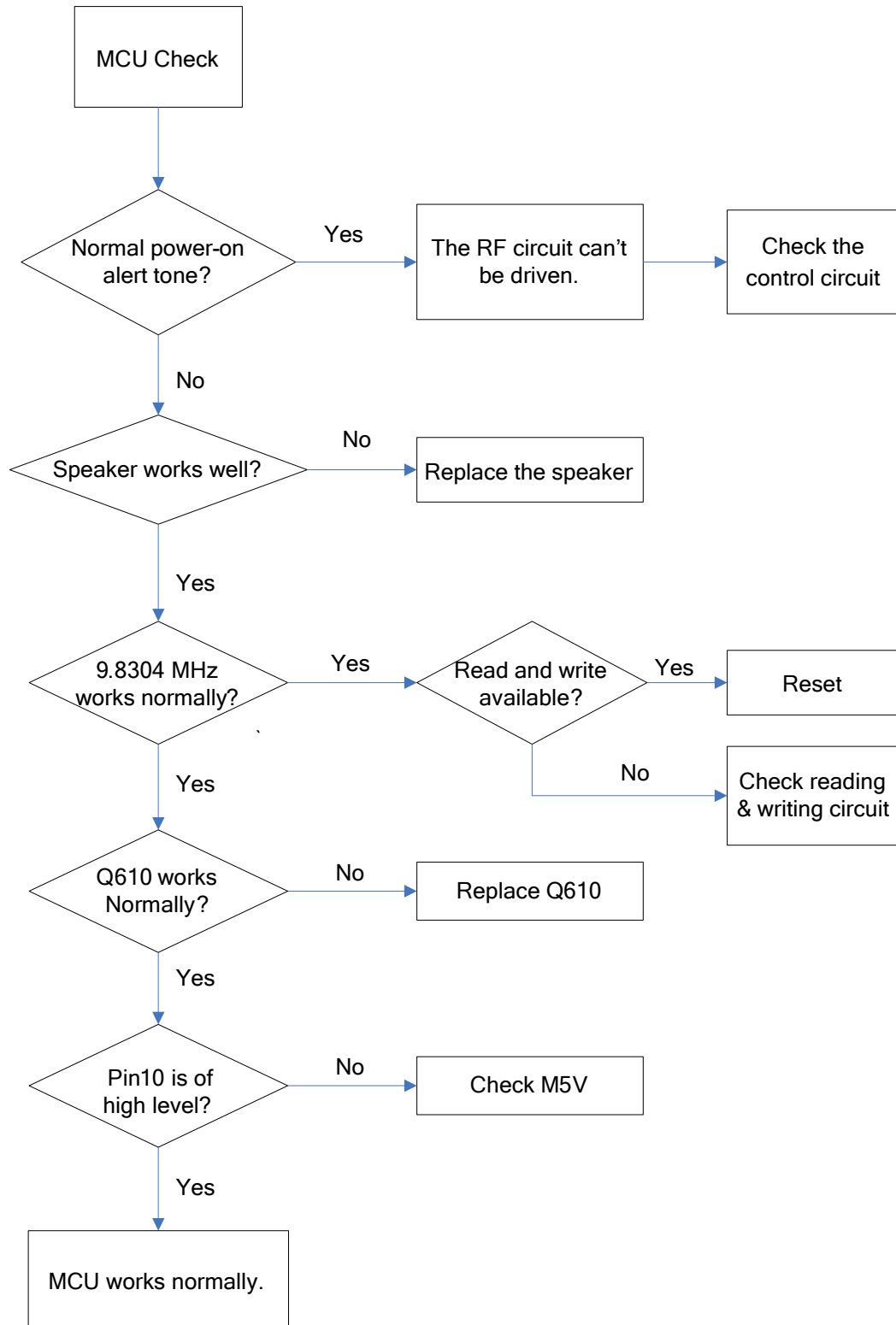
Item	Condition	Test Instrument	Method	Objective
Bandpass Waveform	Enter the adjustment mode and select the Rx Sensitivity item. Adjust point 5 of wide band.	Scanner Bandpass Test Fixture	PTT (up) SK1 (down) or the Channel Selector knob (1-255)	Adjust the band-pass waveform to:  UHF:  VHF:
Rx Sensitivity	Enter the adjustment mode and select an item. Adjust point 5 of wide band.	Radio Communication Test Cable Audio Test Cable RX TEST HPF: 300 Hz	PTT (up) SK1 (down) or the Channel Selector knob (1-255)	When the level adjusted to -119 dBm, SINAD ≥ 12 dB
12dB Sensitivity RSSI (RSSI 12dB)	Enter the adjustment mode and select an item. Adjust point 1 of wide band and point 1 of narrow band.	LPF: 3 KHz Audio Setting: Frequency: 1KHz Frequency Deviation: 3 KHz	Save	Adjust the RF level of the radio communication test set until the audio SINAD gets to 12 dB. Press PTT to save the current RSSI value.
AK2346 Rx Volume Adjust (Rx Max Volume)	Enter the adjustment mode and select an item. Adjust point 1 of wide band.	Radio Communication Test Cable Audio Test Cable RX TEST HPF: 300 Hz LPF: 3 KHz Load Resistance: 20 ohms	PTT (up) SK1 (down) or the Channel Selector knob (0-8)	When the volume is adjusted to the maximum level, AC Level is adjusted to $1.8\text{ W} \pm 0.2\text{ W}$ (20ohms). Single path inputs AC Level of $3.0\text{ V} \pm 0.2\text{ V}$, while dual paths input AC Level of $6\text{ V} \pm 0.2\text{ V}$.

SQL Value of 3 Level Squelch On (Sql 3 Level Open)	Enter the adjustment mode and select an item. Adjust point 5 of wide band, point 1 of medium band, point 5 of narrow band.	Radio Communication Test Cable Audio Test Cable RX TEST HPF: 300 Hz LPF: 3 KHz	Save	Adjust the level to -121 dBm and press PTT to save.
SQL Value of 3 Level Squelch Off (Sql 3 Level Close)	Enter the adjustment mode and select an item. Adjust point 5 of wide band, point 1 of medium band, point 5 of narrow band.		Save	Adjust the level to -123 dBm and press PTT to save.
SQL Value of 9 Level Squelch On (Sql 9 Level Open)	Enter the adjustment mode and select an item. Adjust point 5 of wide band, point 1 of medium band, point 5 of narrow band.		Save	Adjust the level to -116 dBm and press PTT to save.
SQL Value of 9 Level Squelch Off (Sql 9 Level Close)	Enter the adjustment mode and select an item. Adjust point 5 of wide band, point 1 of medium band, point 5 of narrow band.		Save	Adjust the level to -118 dBm and press PTT to save.
Rx Low Battery	Enter the adjustment mode and select an item. Adjust point 1 of wide band.		Save	Adjust the voltage of power supply to 7.21V and press PTT to save.

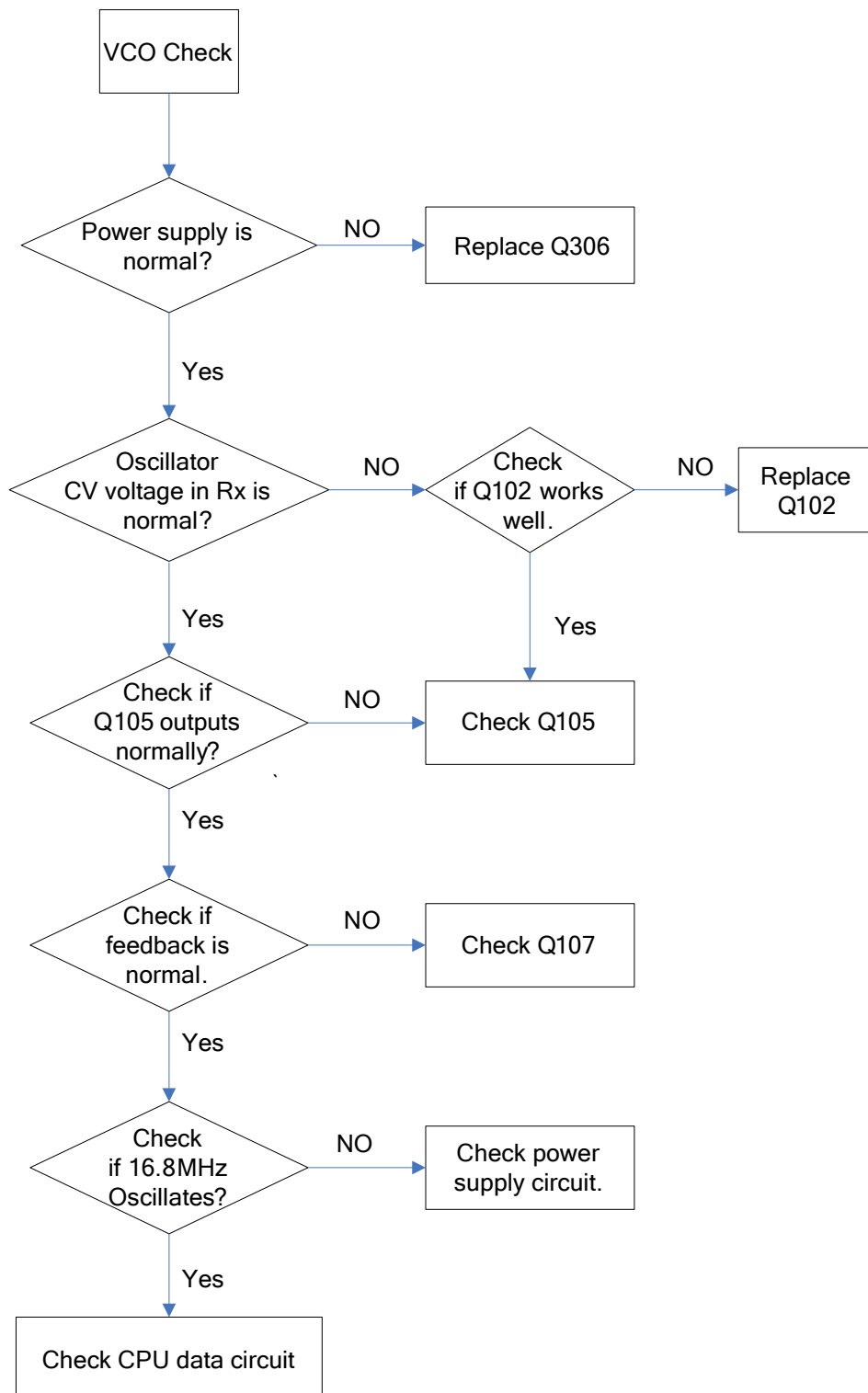
Note: Frequency deviation of receiver: 3 KHz for wide band, 2.5 KHz for medium band, and 1.5 KHz for narrow band.

Troubleshooting Flow Chart

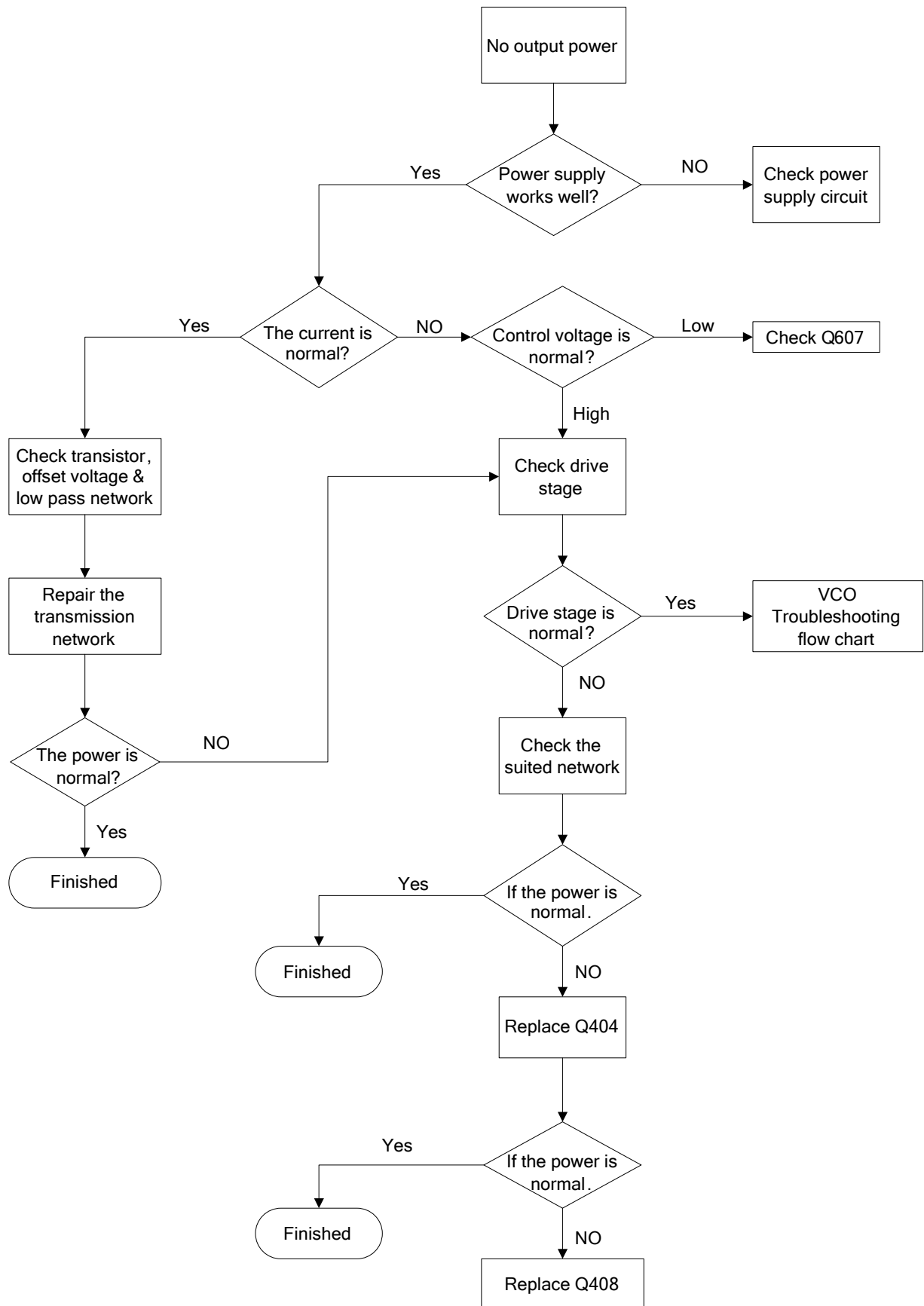
MCU



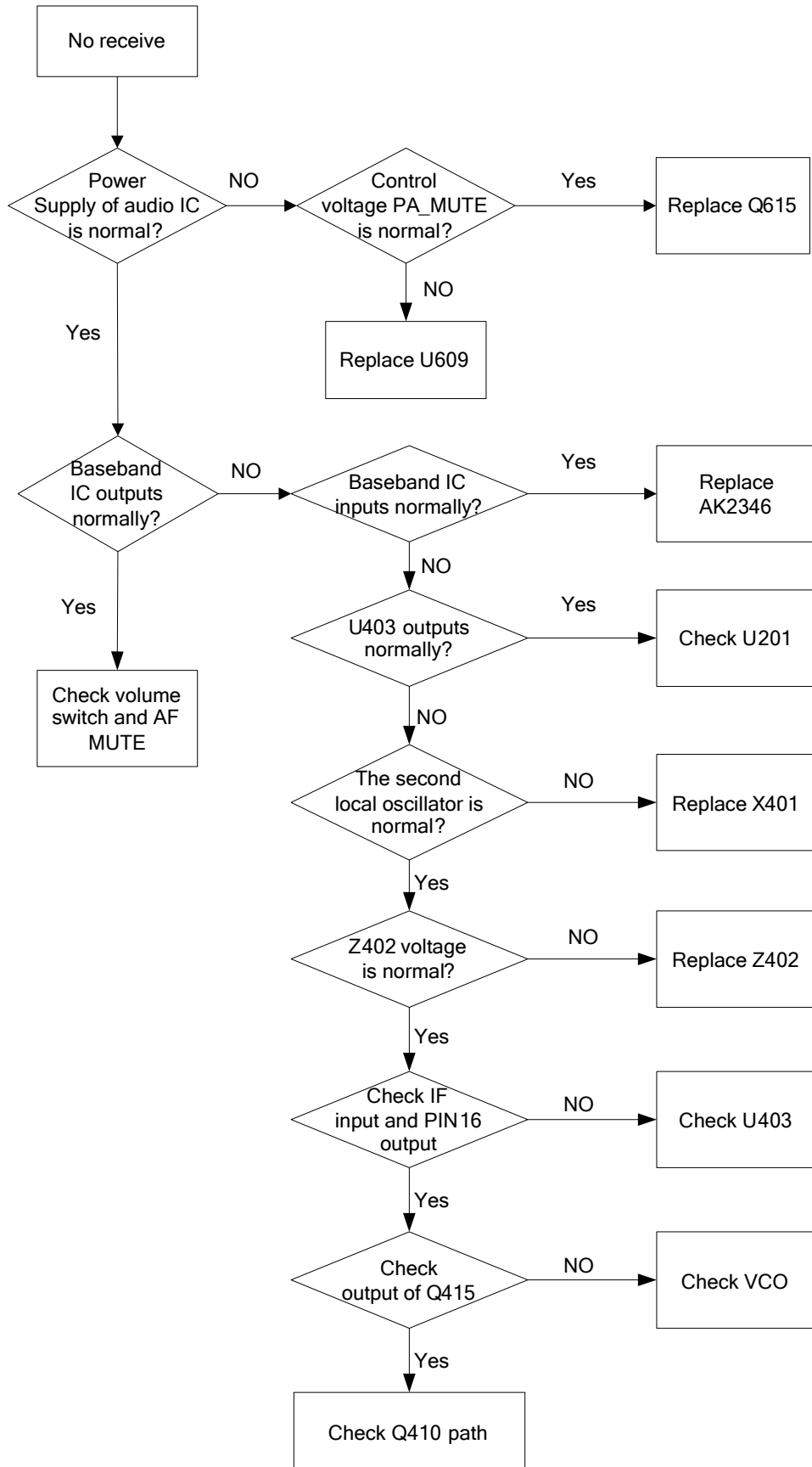
VCO



Transmit Circuit



Receive Circuit



Disassembly and Assembly for Repair

Disassemble the Radio Case

1. Remove the Radio On-Off/Volume Control knob ① and Channel Selector knob ②.
2. Lift the chassis by its bottom and pull it out of the radio case ③.

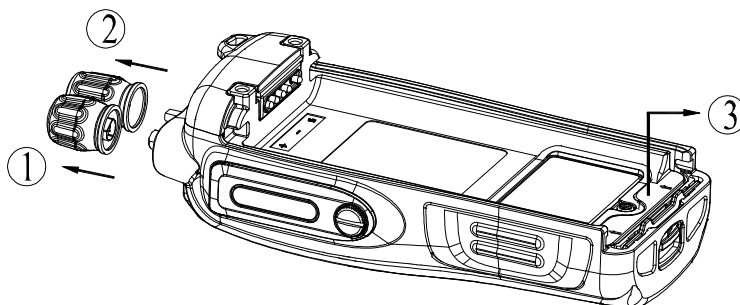


Figure 1

Disassemble the Speaker

1. After you separate the chassis from the case, turn it for a certain degree, then disassemble the FPC from the connector on the PCB. Then remove the screw ④ on the speaker fixing ring, and remove the speaker fixing sheet ⑤.
2. Remove the speaker ⑥ and microphone ⑦.

Note: Take care not to damage the FPC connecting the speaker and the chassis.

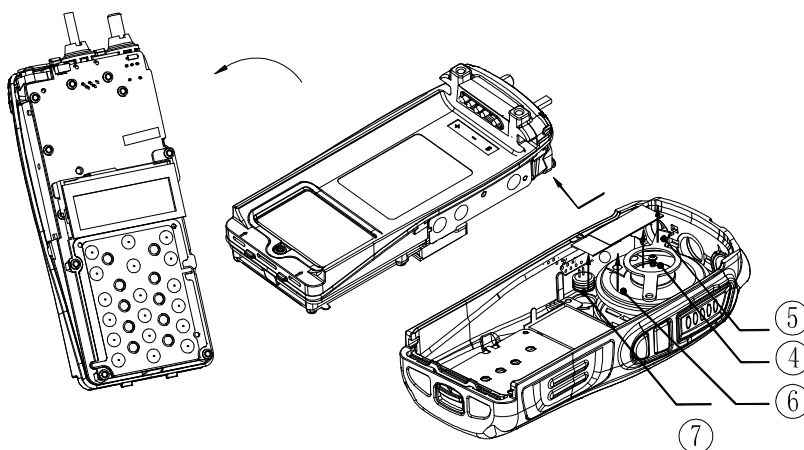


Figure 2

Disassemble the Transmit and Receive Units

1. Screw out the waterproof ring ⑧, the nut ⑨, and screws ⑩ locking the keypad PCB, shown in figure 3.

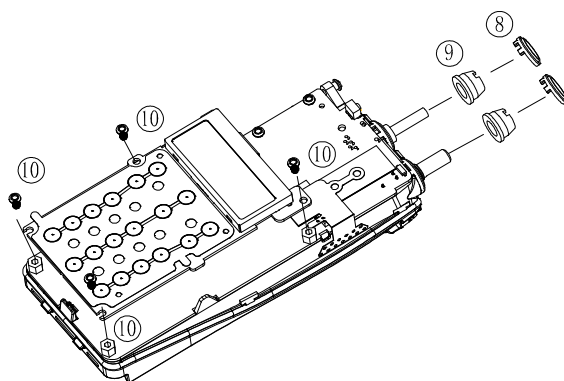


Figure 3

2. Rotate the keypad PCB module ⑪ for 180 degrees, and then remove FPC ⑫ and FFC ⑬ from the connector on the PCB.

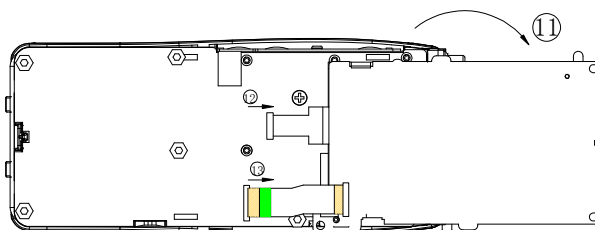


Figure 4

3. Remove the five DB head screws ⑭ on the PCB, screws ⑮ locking the PCB, and the screw ⑯ locking the side PTT keyboard.
4. Use an electric soldering iron to remove the two leads connecting motor from the PCB, and then to unsolder the soldering tin at the antenna connector.
5. Lift the PCB ⑰ and remove it from the chassis.

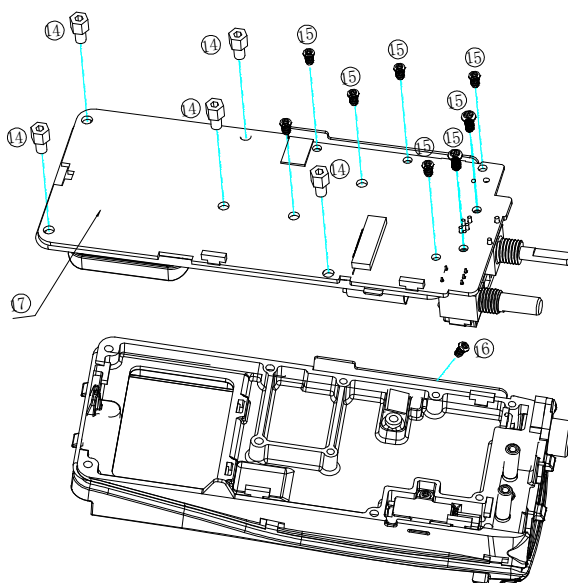


Figure 5

Precautions for Assembly

Assemble the Radio Case and Chassis

1. Make sure the waterproof cushion surrounding the chassis is well fitted into the slot ① of the chassis.
2. Correctly position and assemble the speaker on the radio case ②.

Note: Make sure that the speaker is fully assembled into the radio case.

3. Fix the speaker sheet to the speaker, and secure it with screw ③.
4. Insert the top of the chassis into the radio case ④.

Note: Never have the speaker magnetic core being pressed by the FPC.

5. Press the bottom of the chassis downwards to fit the chassis into the radio case.

Note: If the chassis is assembled into the radio case, while the waterproof ring is not in position, use your fingers to place it at the right position.

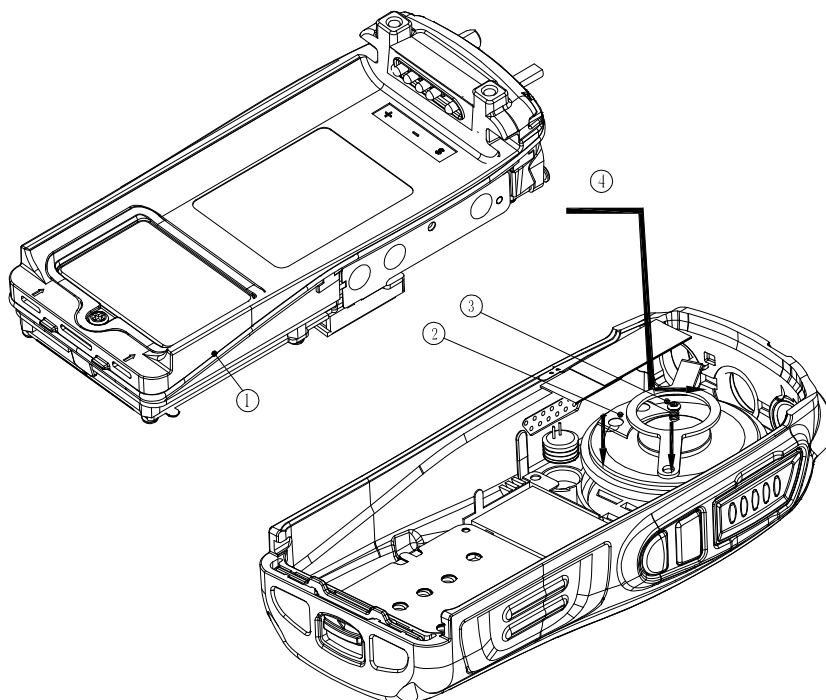
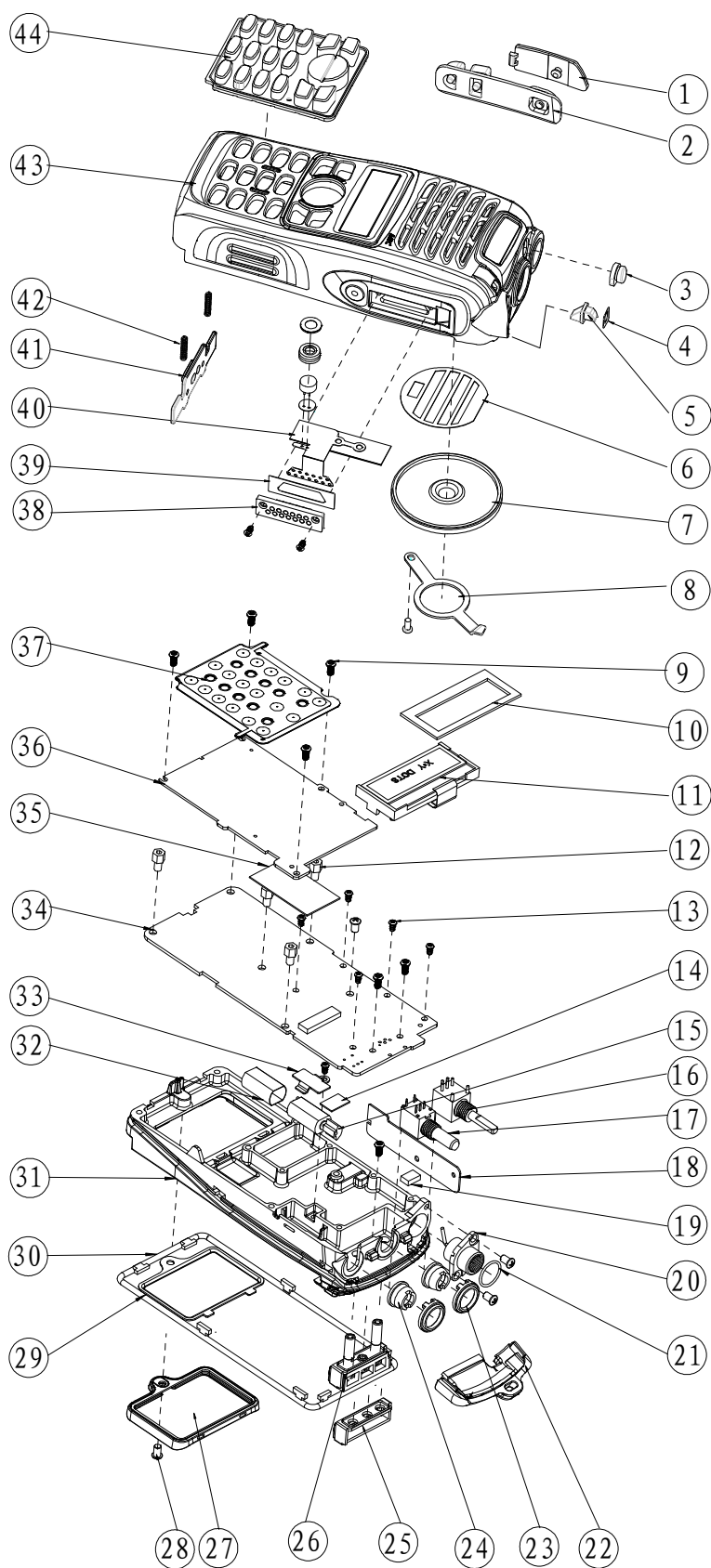


Figure 6

Exploded View

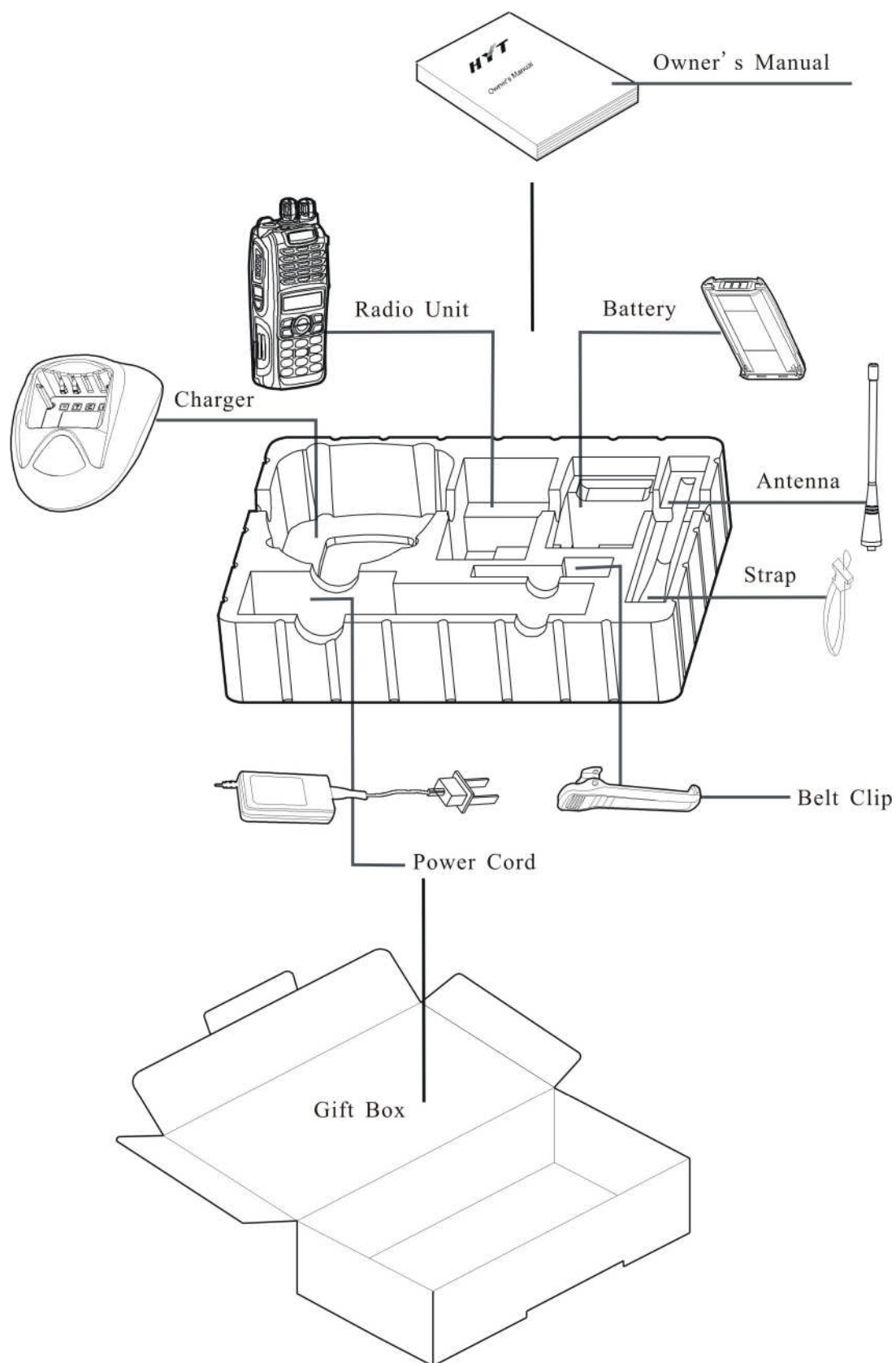


TC-780 Parts List 2

No.	Material No.	Description	Qty.
1	6000135000000	PTT key cover (RoHS)	1
2	6100068000000	PTT key (silica rubber) (RoHS)	1
3	6100319000000	Emergency key (silica rubber) (RoHS)	1
4	7500210000000	Adhesive tape, light guide 3M(9448) (RoHS)	1
5	6000609000000	Light guide (RoHS)	1
6	7400208000000	Felt, speaker PES+PBO(U500PBO) ϕ 40.0 (RoHS)	1
7	5001210000170	Speaker 20 Ω 1W/3W 90dB ϕ 40mm H5.0mm (RoHS)	1
8	6201545000000	Fixing sheet, speaker (RoHS)	1
9	7102003500200	Machine screw M2.0*3.5mm (RoHS)	4
10	7500230000000	Upper sponge, LCD (RoHS)	1
11	5110000000410	LCD module (RoHS)	1
12	7102504000400	DB head screw (screw 2.5*4, nut 2.0*3) (RoHS)	5
13	7102004021030	Self-tapping screw ST1.9*4.0mm (RoHS)	12
14	4210015000000	FPC (4Pin) 0.8T*30mm (RoHS)	1
15	5402001000010	Vibrating motor (RoHS)	1
16	4305030000050	E rotary switch (RoHS)	1
17	4302020000040	Volume switch (RoHS)	1
18	4100710200100	Side PTT keyboard (RoHS)	1
19	7500114000000	Cooler pad (RoHS)	1
20	4400000000000	SMA connector, male, 50 Ω (RoHS)	1
21	6100316000000	O_Ring (RoHS)	1
22	6000608000000	Rear cover PC(EXL9330) (RoHS)	1
23	6100069000000	Waterproof ring, volume control knob (RoHS)	2
24	7206004200000	Nut M6.0*4.2mm (RoHS)	2
25	6100322000000	Waterproof ring, battery connector (RoHS)	1
26	5202003100150	Battery connector (RoHS)	1
27	6100290000000	Waterproof ring, expansion port (RoHS)	1
28	7102504000300	Machine screw M2.5*4.0mm (RoHS)	1
29	6201507000000	Cover, expansion port (RoHS)	1
30	6100318000000	Waterproof ring (RoHS)	1
31	6300050000000	Aluminum chassis ADC12 (RoHS)	1
32	7500219000000	Motor (RoHS)	1
33	6201543000000	Sheet, motor (RoHS)	1
34	1300007100020	TC-780 PCB	1
35	4100710100100	FFC (14Pin) (RoHS)	1
36	1300007100030	Keyboard	1
37	7300028000000	Metal dome, function key (RoHS)	1
38	6000198000020	Earpiece jack (RoHS)	1
39	7400128010100	Waterproof PC pad (RoHS)	1
40	41007101002C0	FPCB (20Pin) (RoHS)	1

41	6000680000000	Battery latch (RoHS)	1
42	7000036000000	Spring (RoHS)	2
43	6000612000000	Front cover PC(EXL9330)+PMMA(CP-61) (RoHS)	1
44	6100317000000	Numeric keypad (RoHS)	1

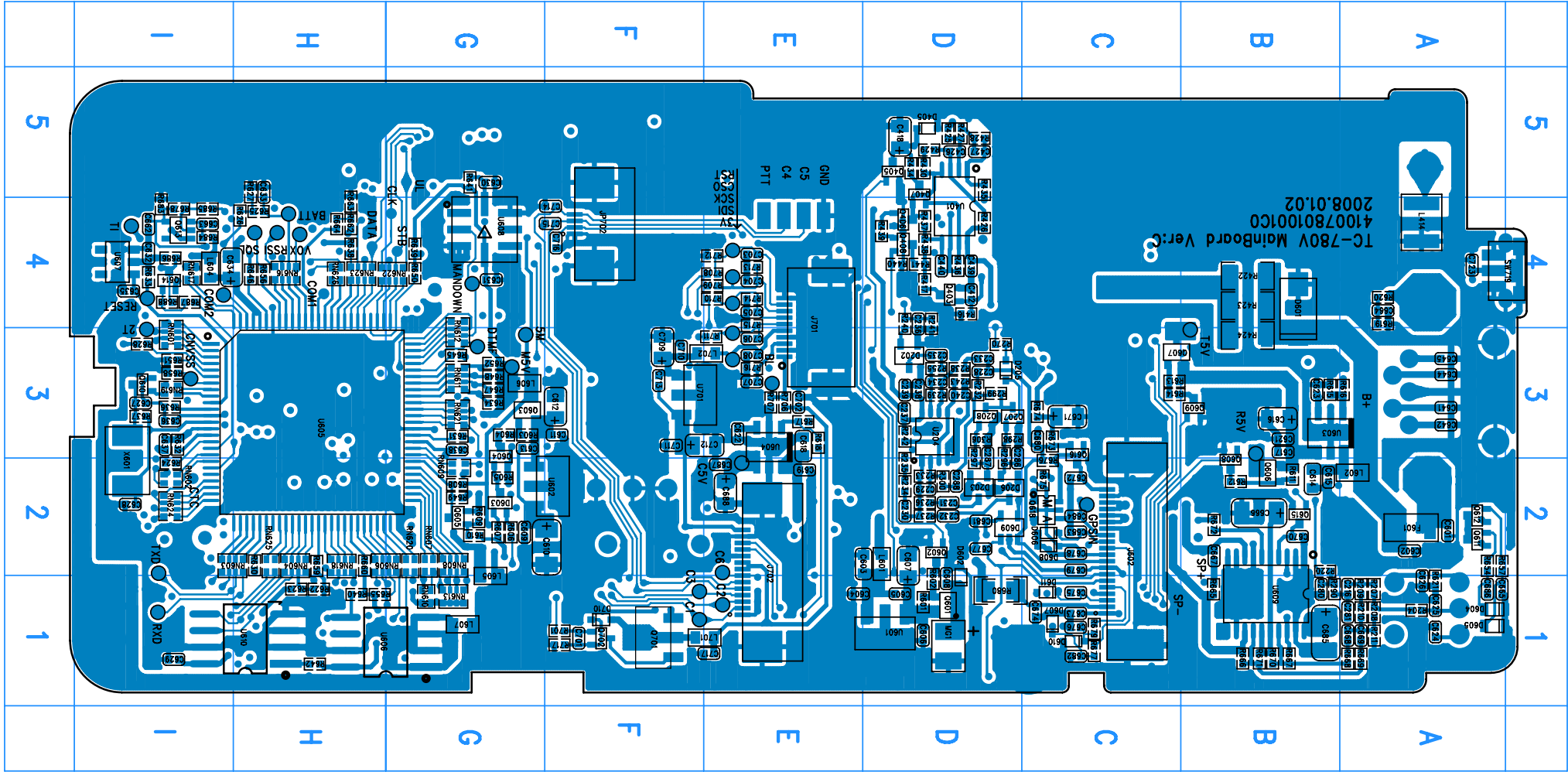
Packing



Top Layer

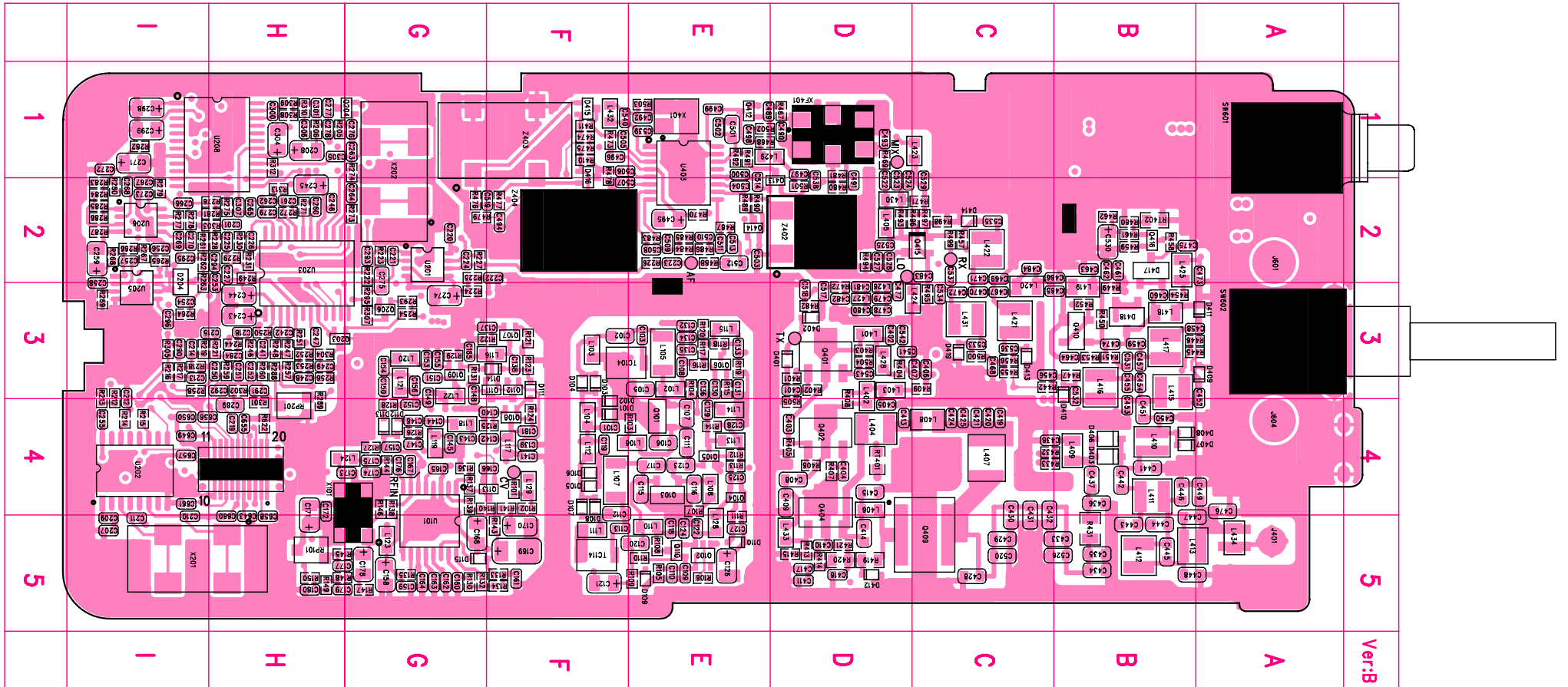


TC-780 VHF PCB View (Main Board Unit)
Bottom Layer

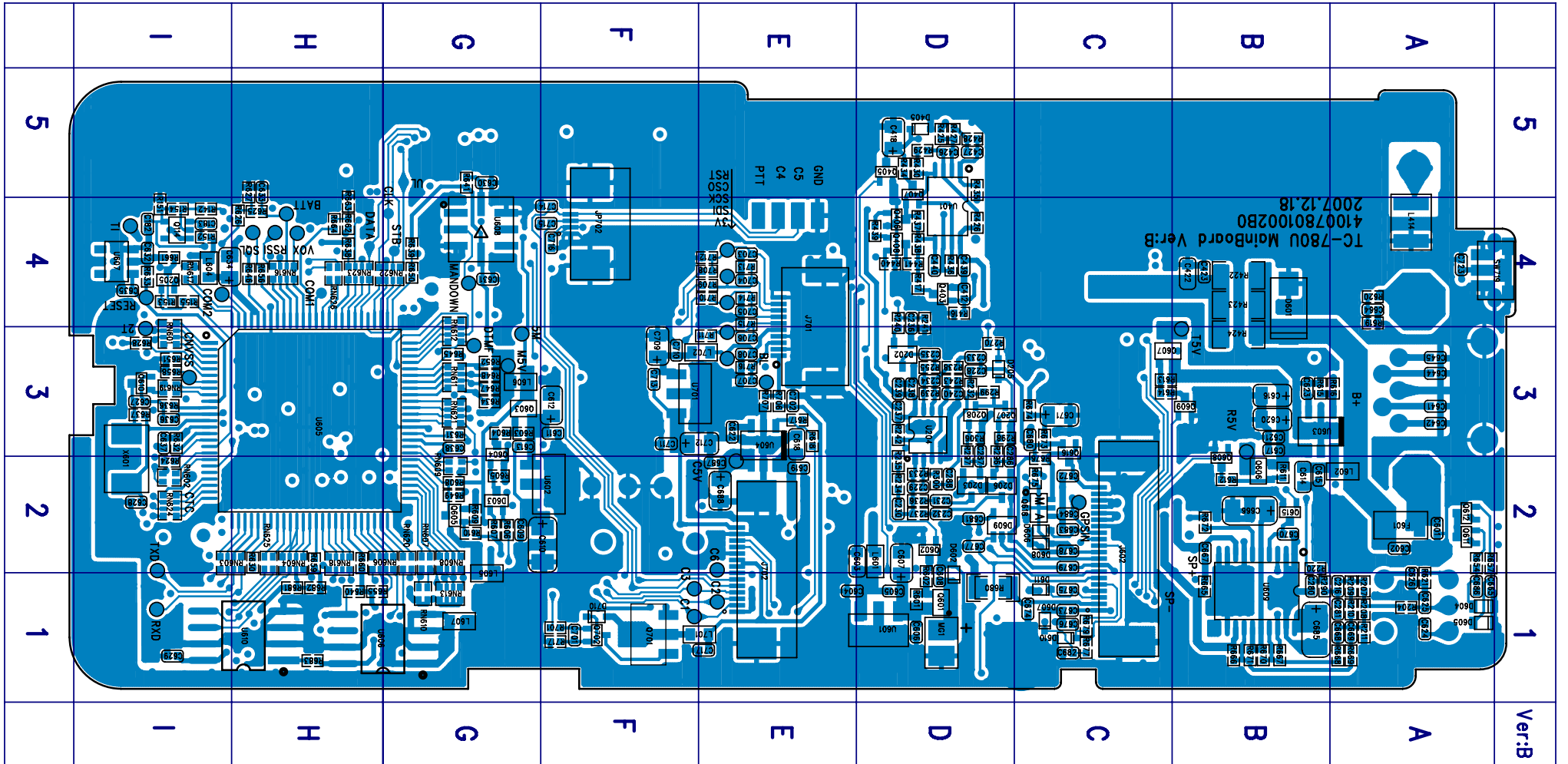


TC-780 UHF PCB View (Main Board Unit)

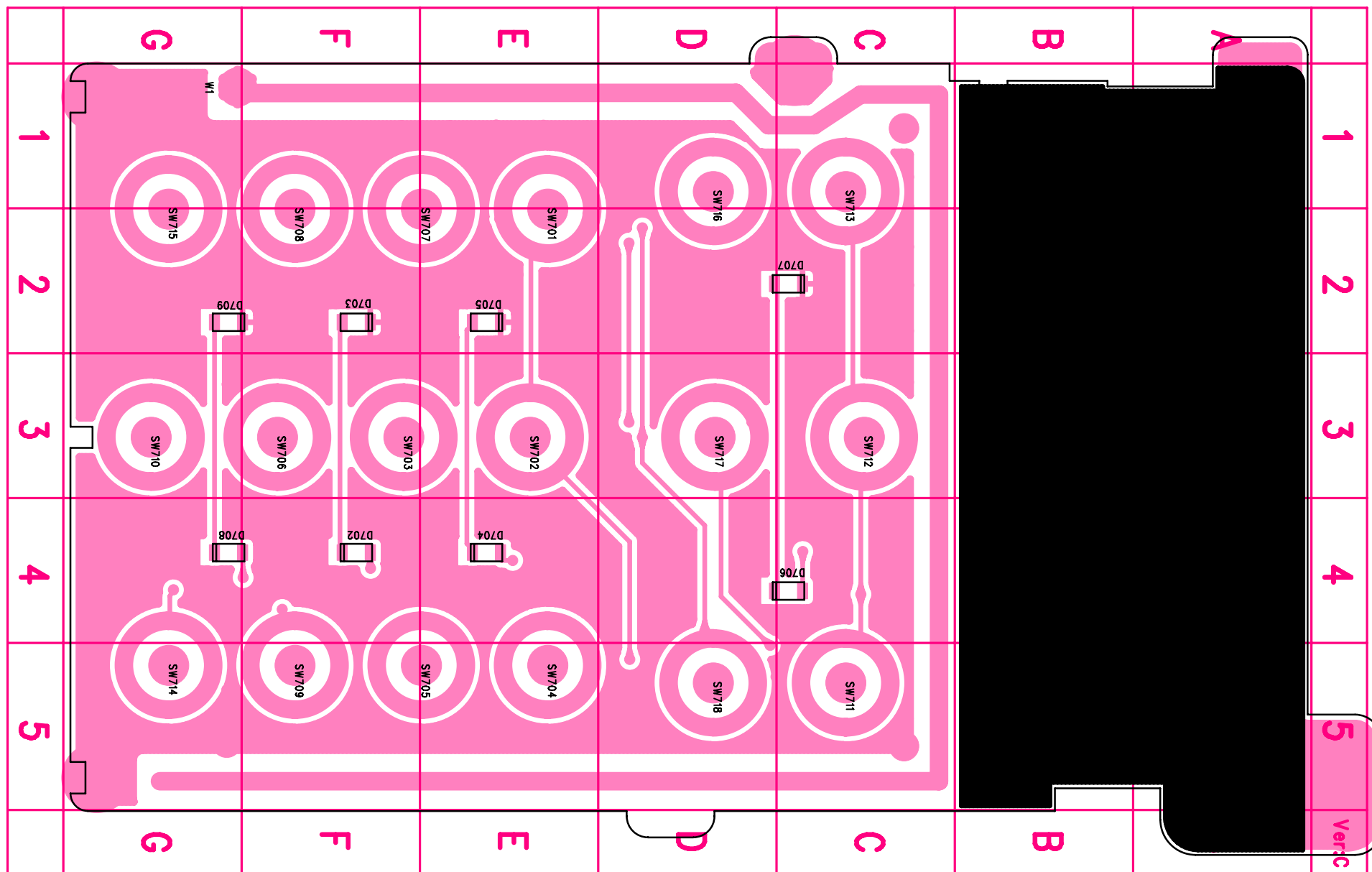
Top Layer



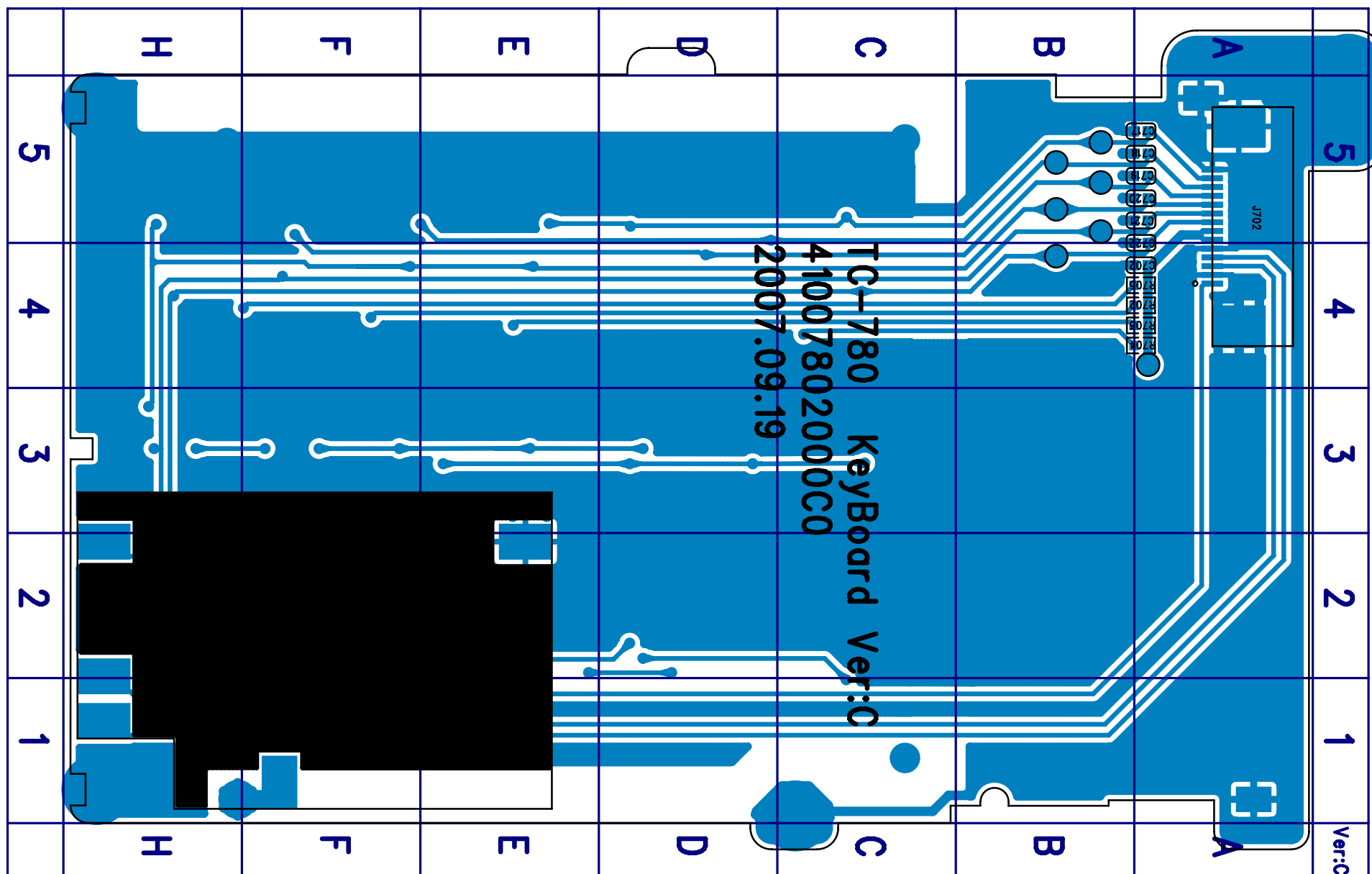
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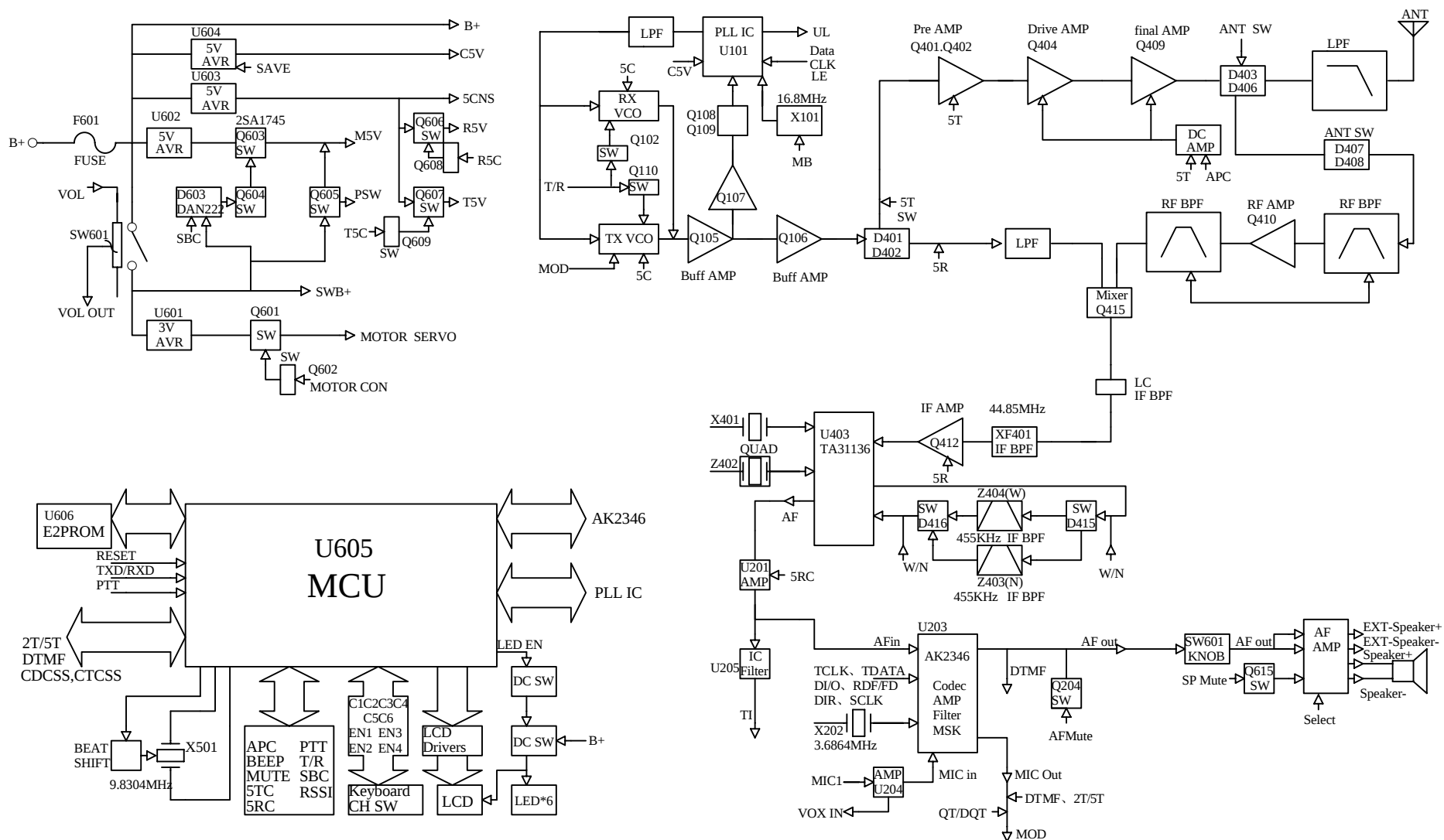
TC-780 VHF/UHF PCB View (Keyboard Unit) Top Layer



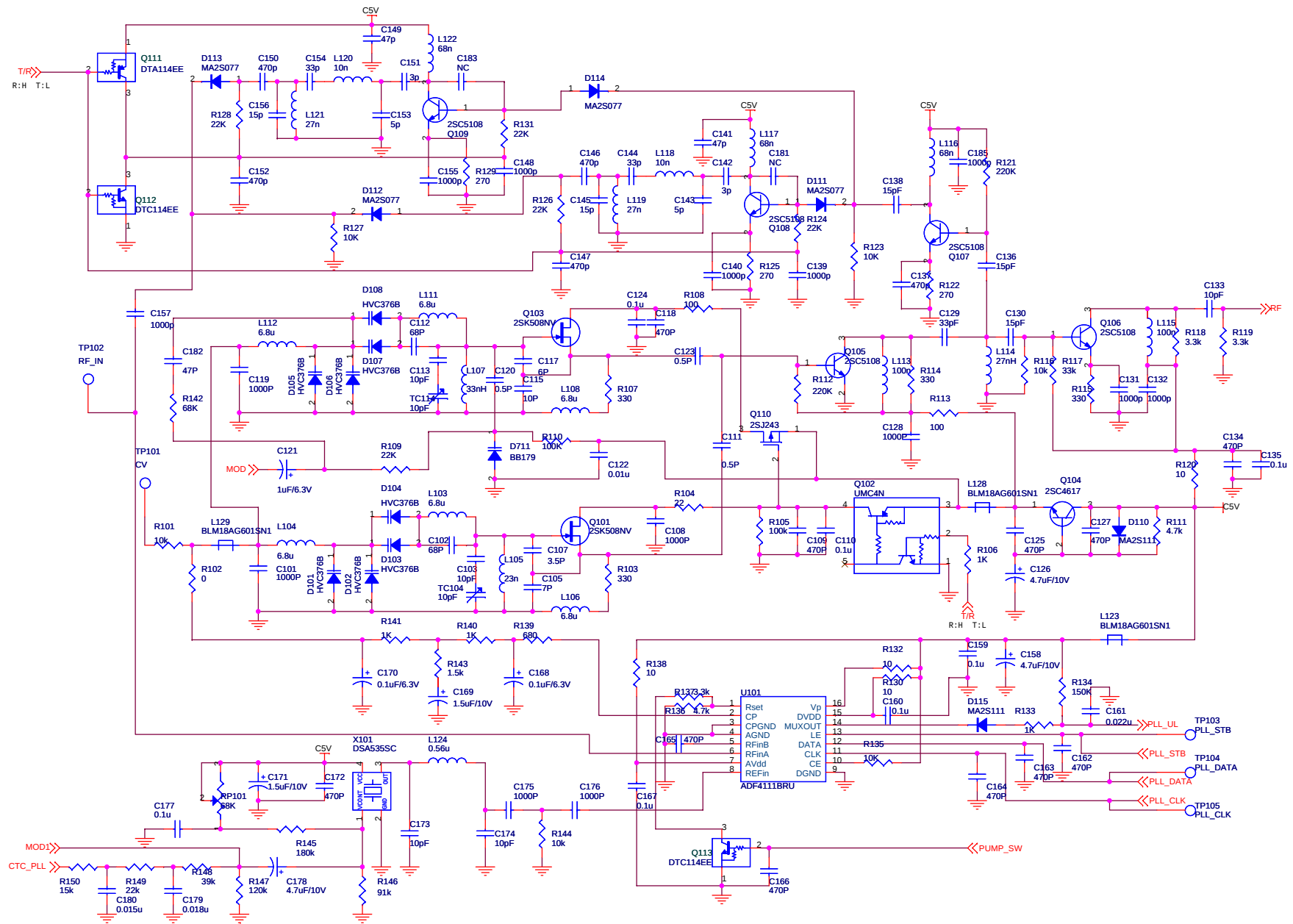
TC-780 VHF/UHF PCB View (Keyboard Unit)
Bottom Layer



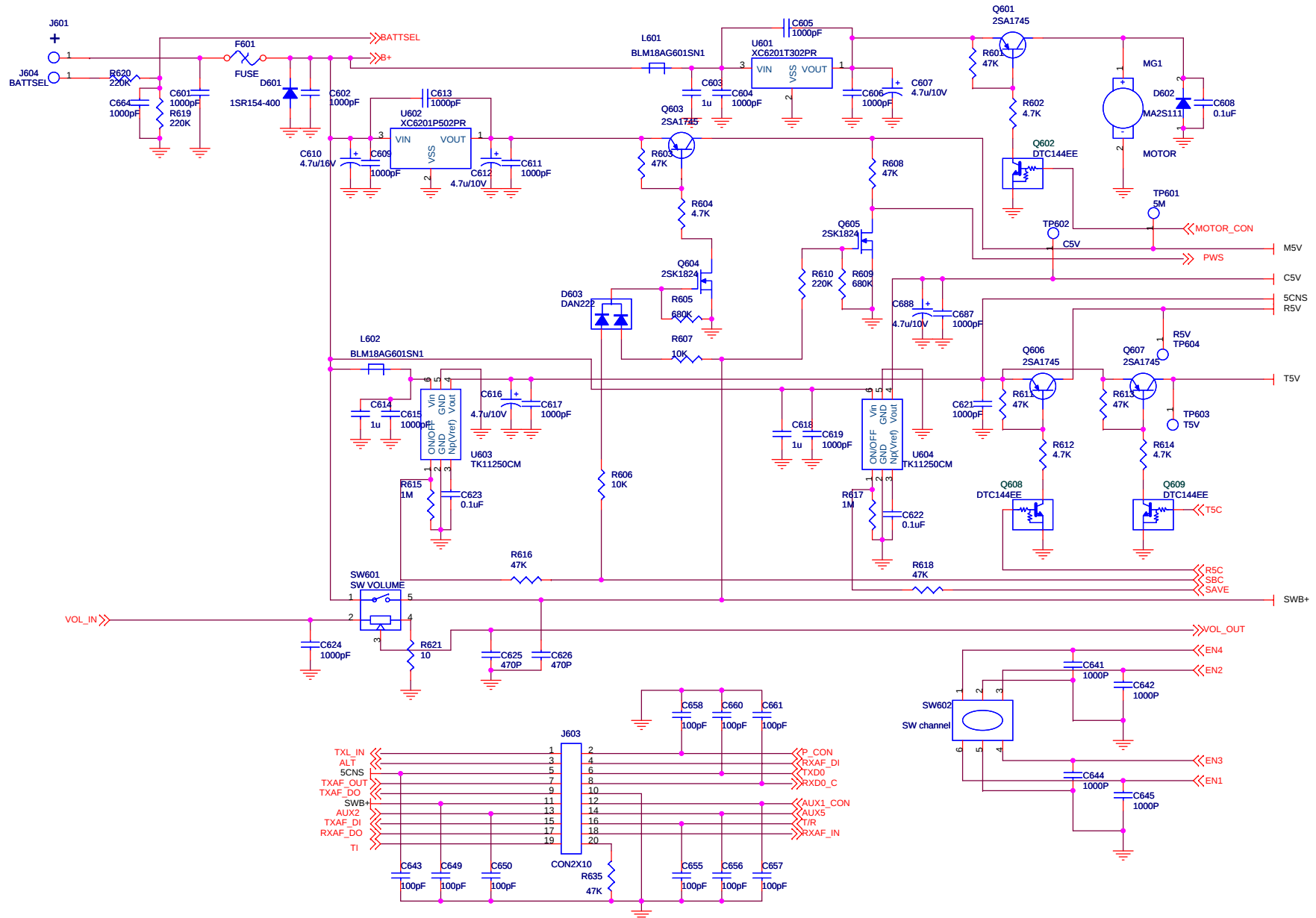
TC-780 Block Diagram



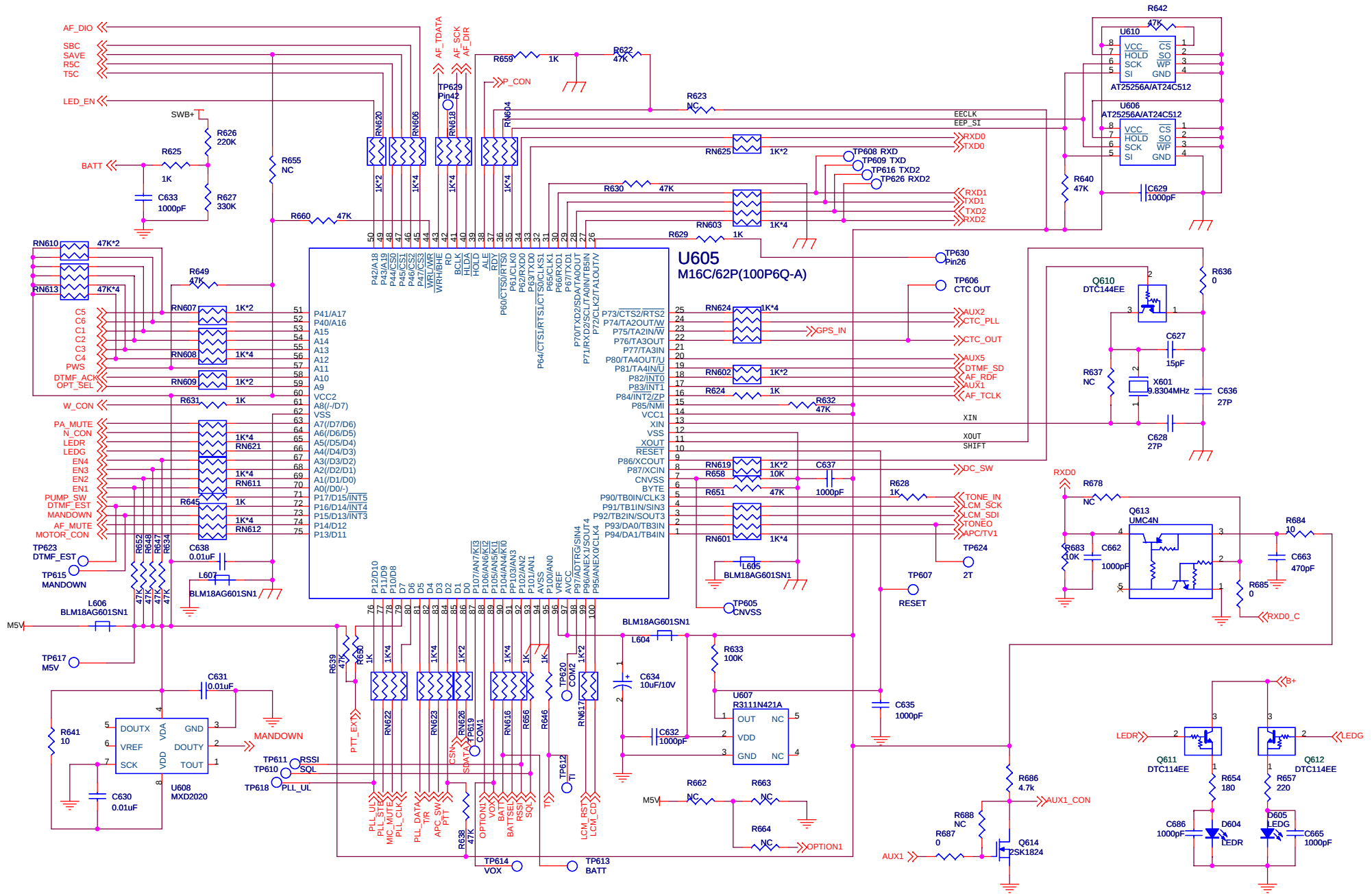
TC-780 VHF Schematic Diagram (PLL & VCO Unit)



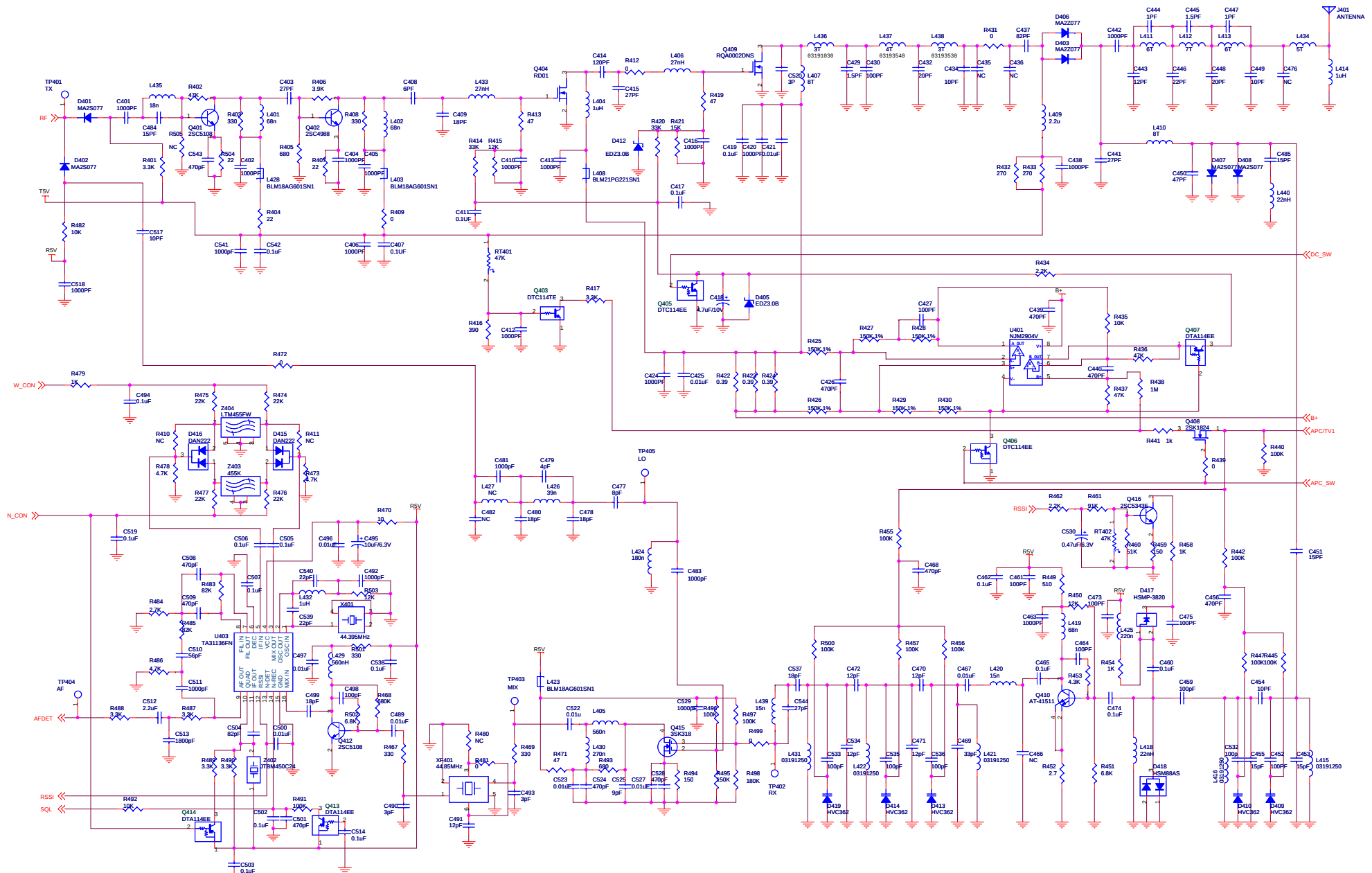
TC-780 VHF Schematic Diagram (Power Unit)



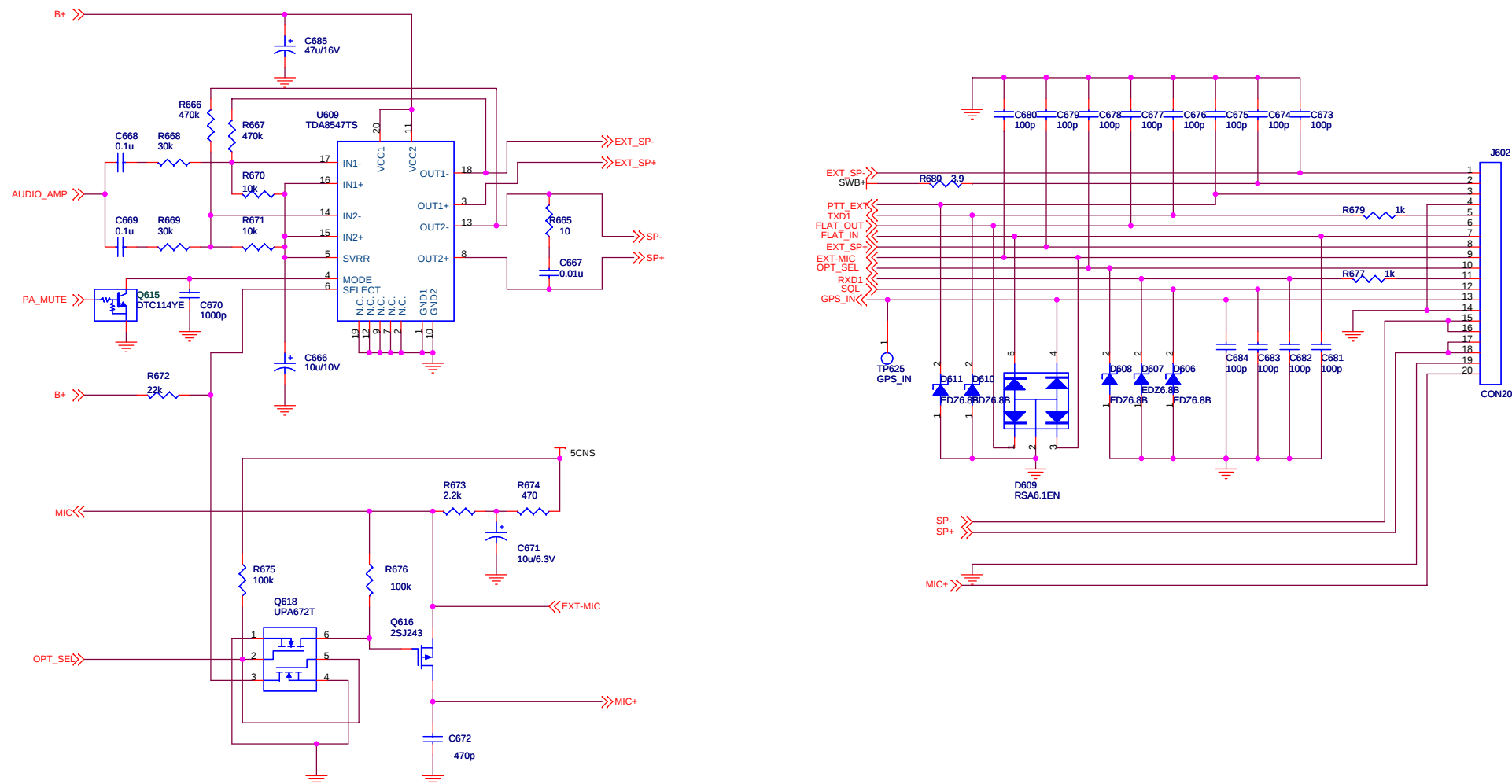
TC-780 VHF Schematic Diagram (MCU Unit)



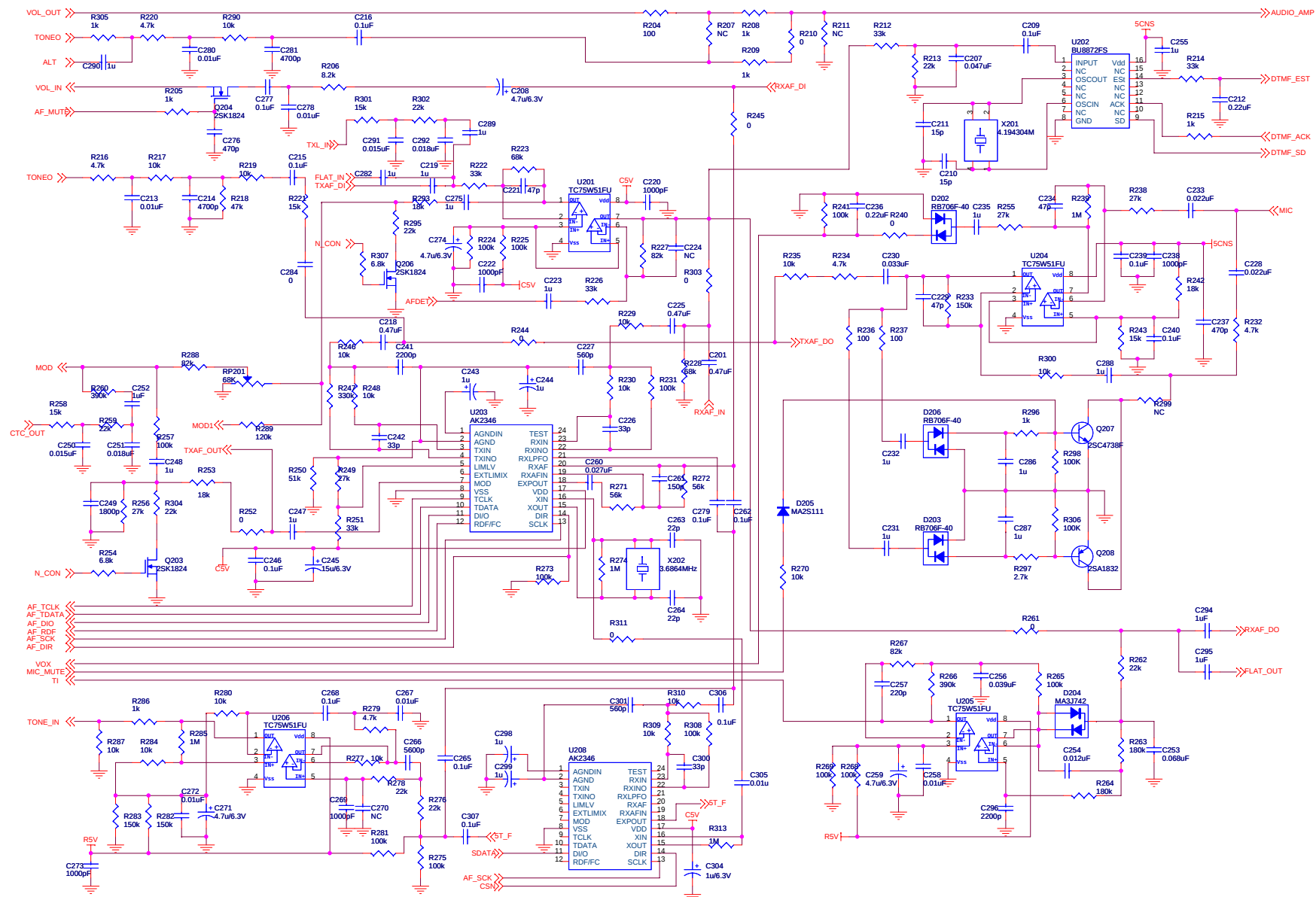
TC-780 VHF Schematic Diagram (Tx/Rx Unit)



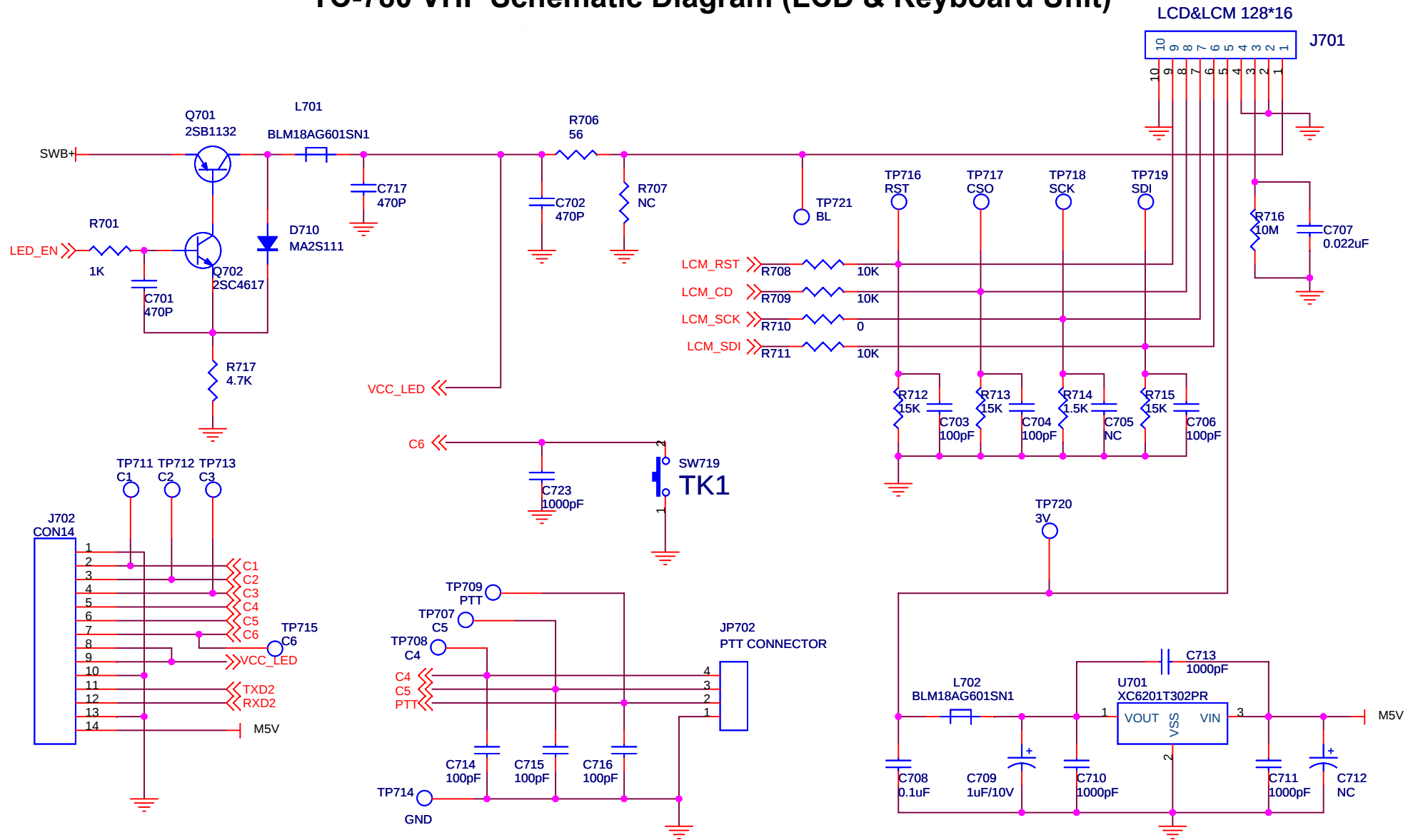
TC-780 VHF Schematic Diagram (AFAMP & EXT Unit)



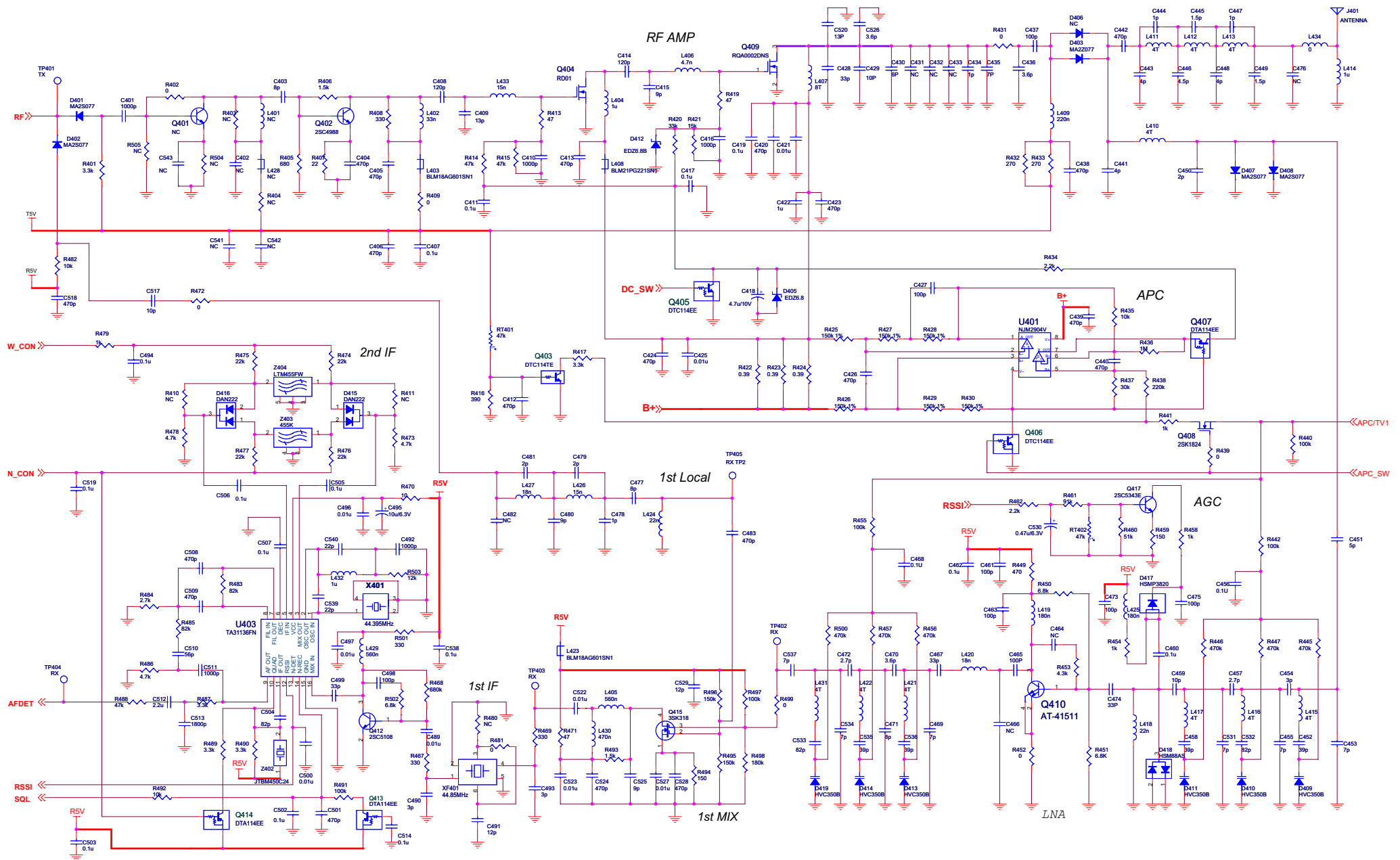
TC-780 VHF Schematic Diagram (Baseband Unit)



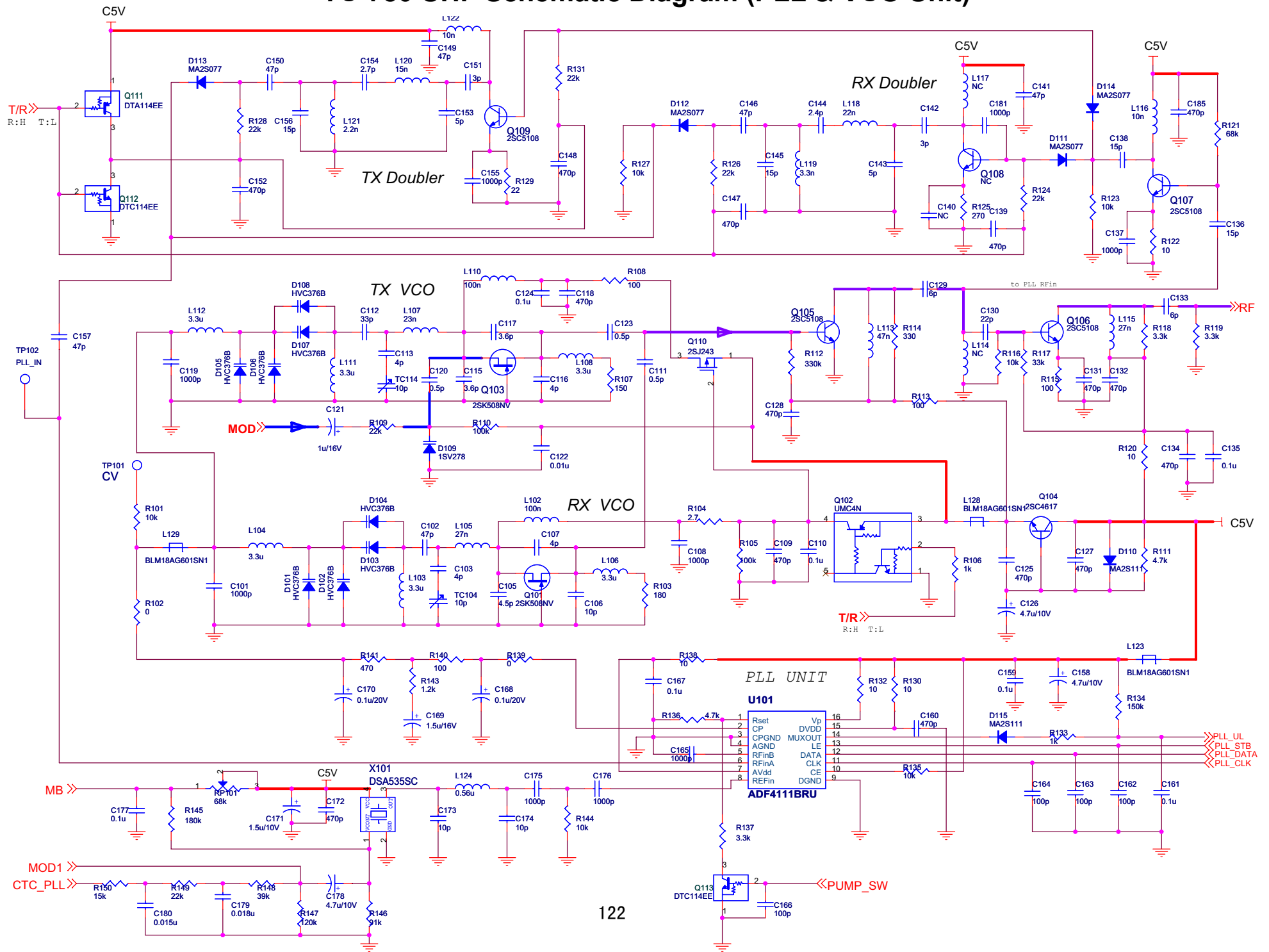
TC-780 VHF Schematic Diagram (LCD & Keyboard Unit)



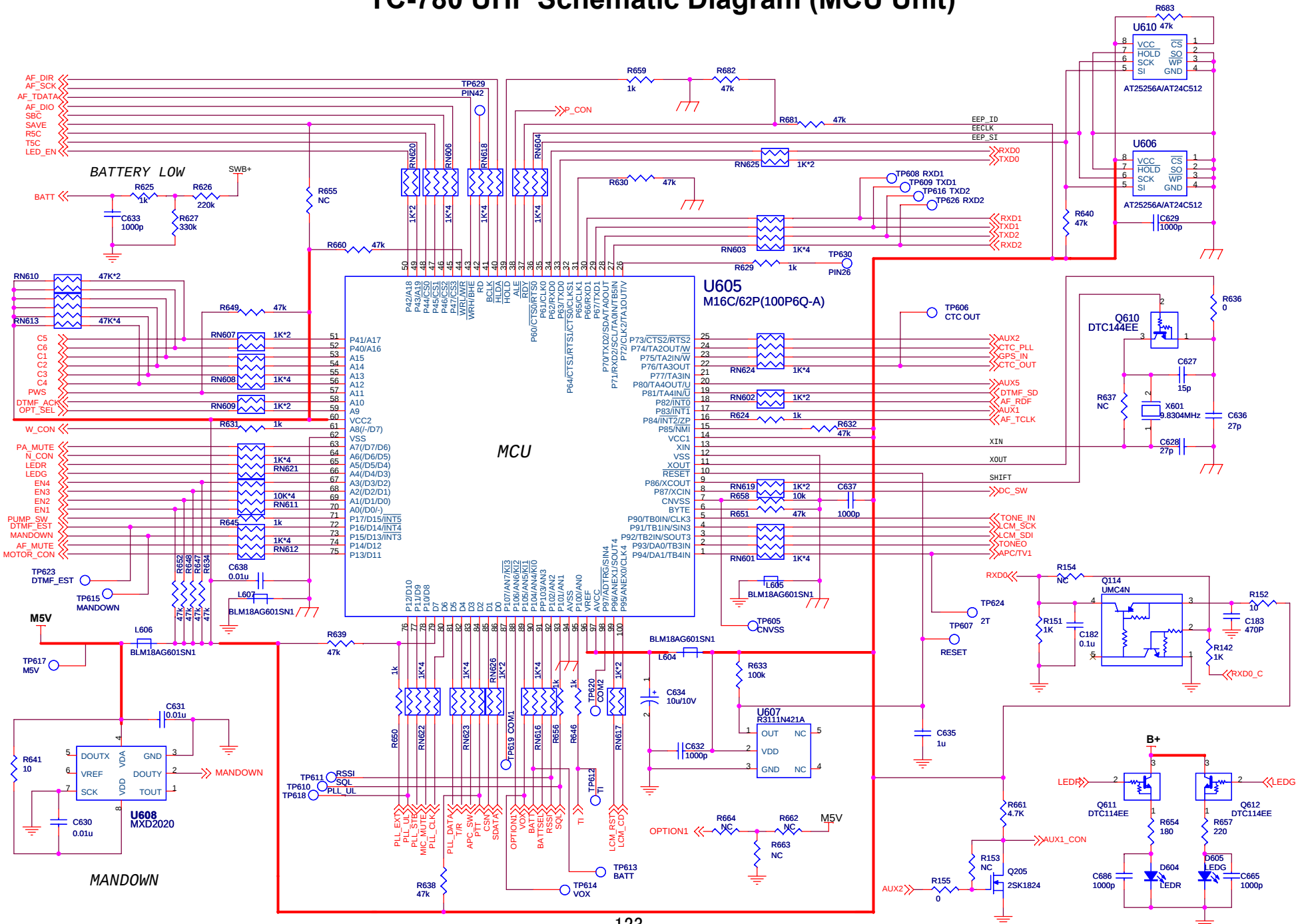
TC-780 UHF Schematic Diagram (Tx/Rx Unit)



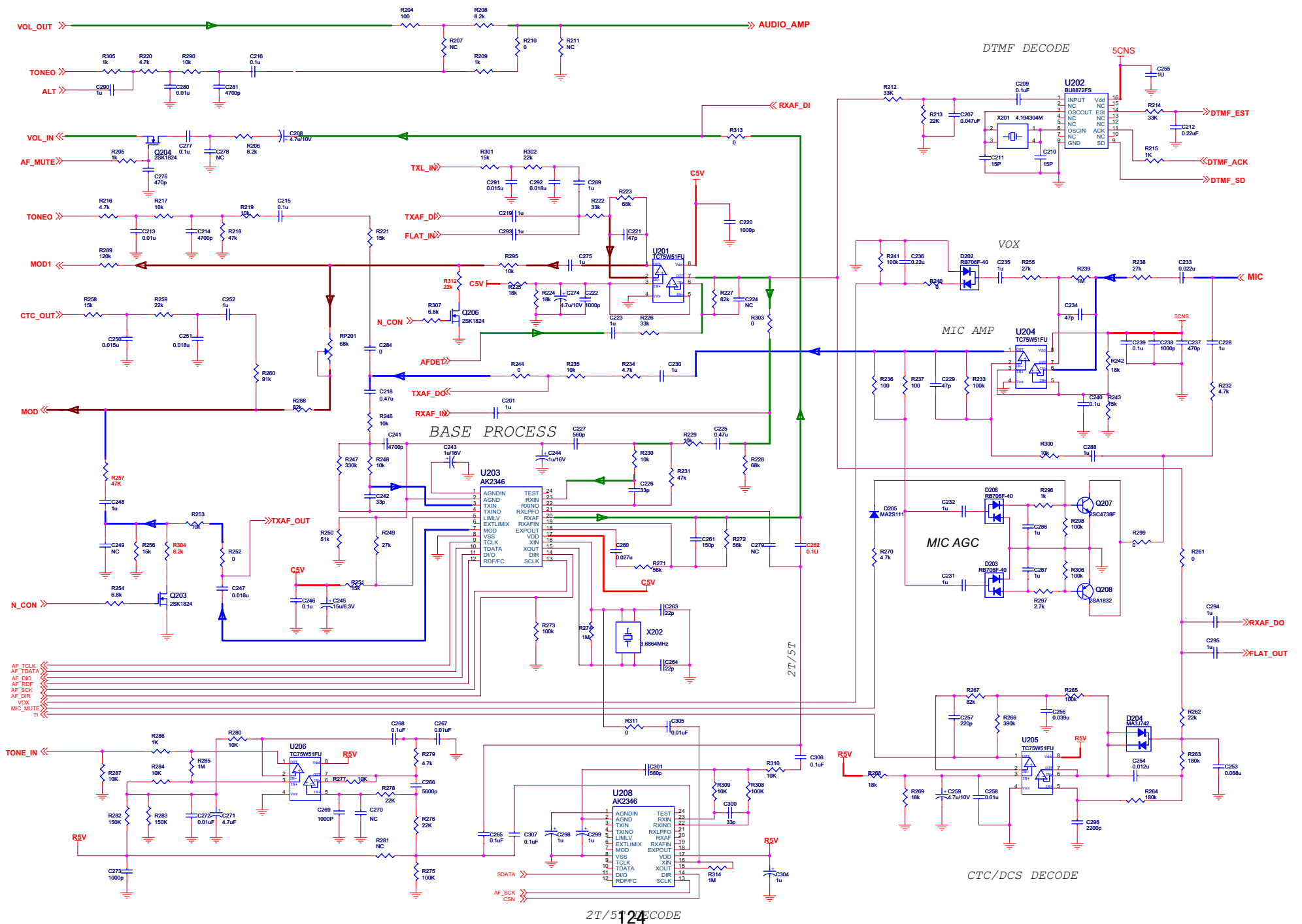
TC-780 UHF Schematic Diagram (PLL & VCO Unit)



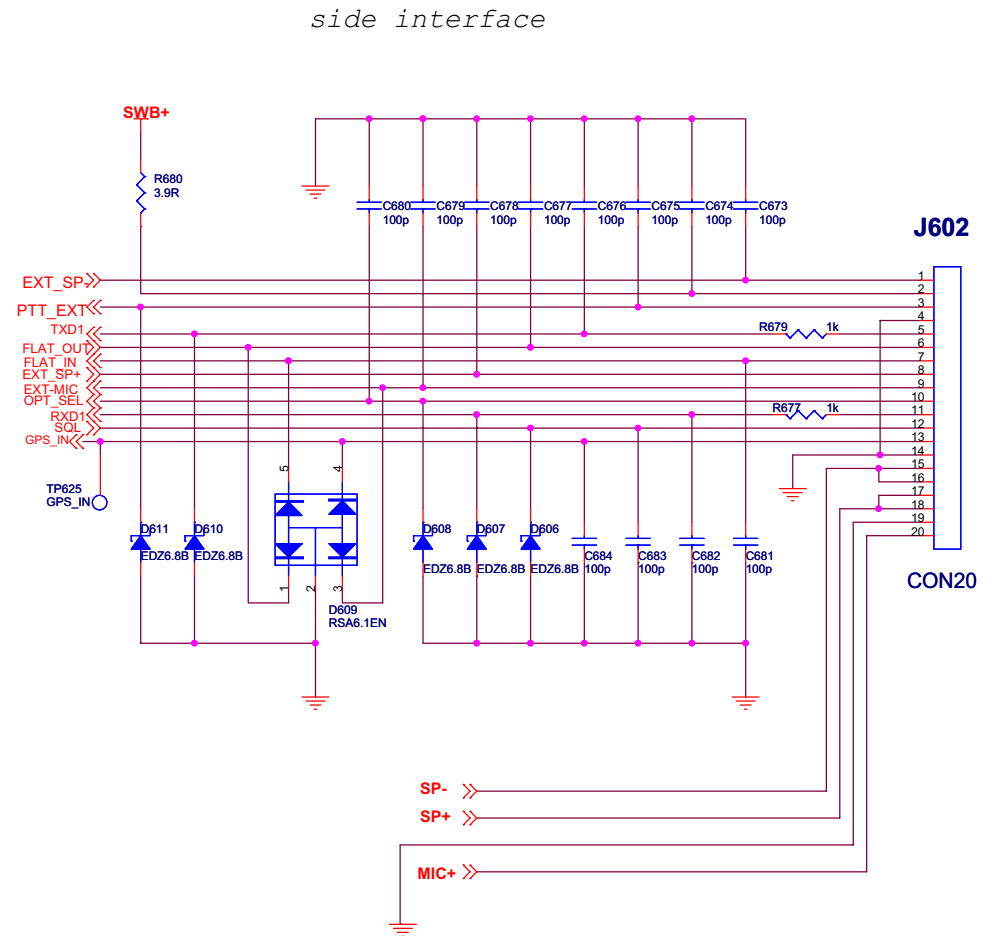
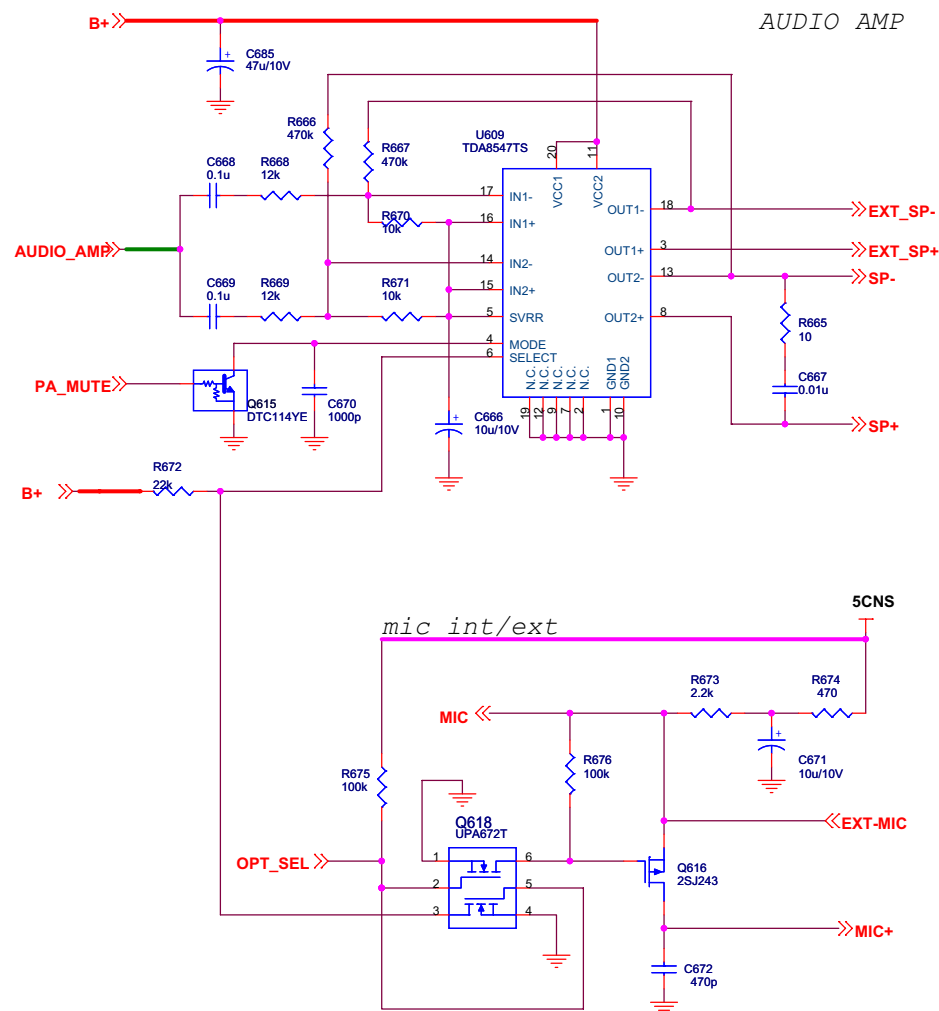
TC-780 UHF Schematic Diagram (MCU Unit)



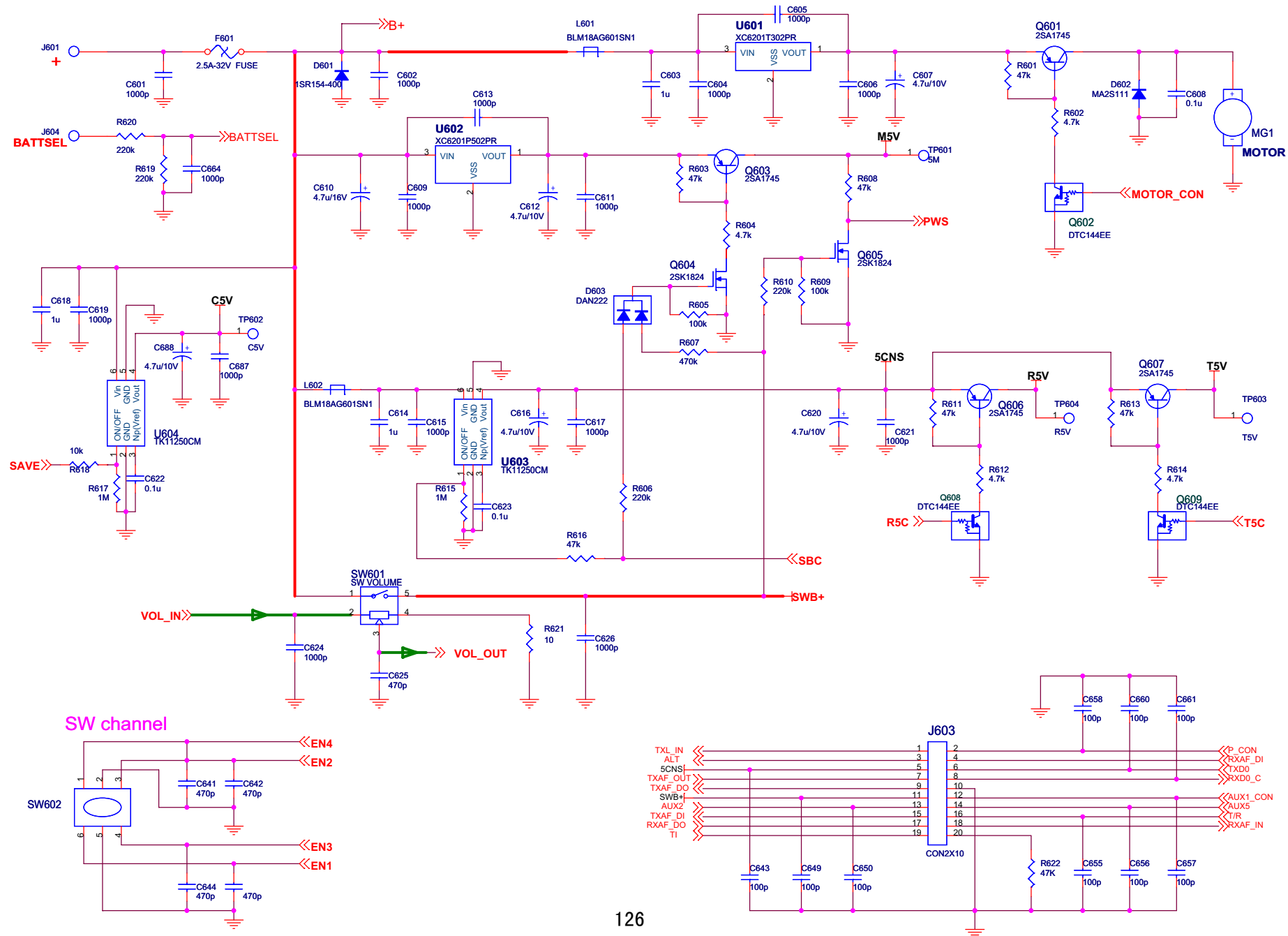
TC-780 UHF Schematic Diagram (Baseband Unit)



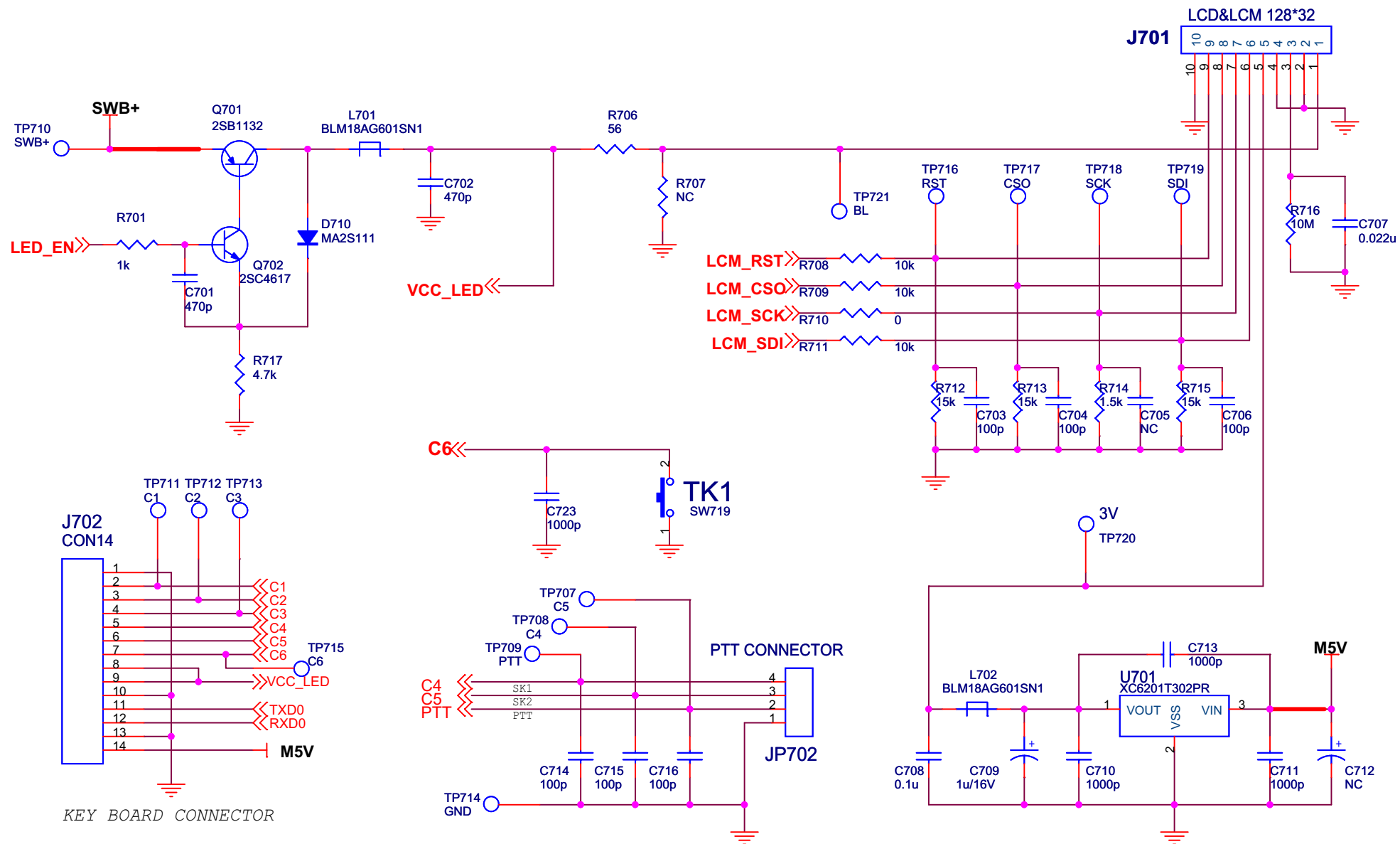
TC-780 UHF Schematic Diagram (AFAMP & EXT Unit)



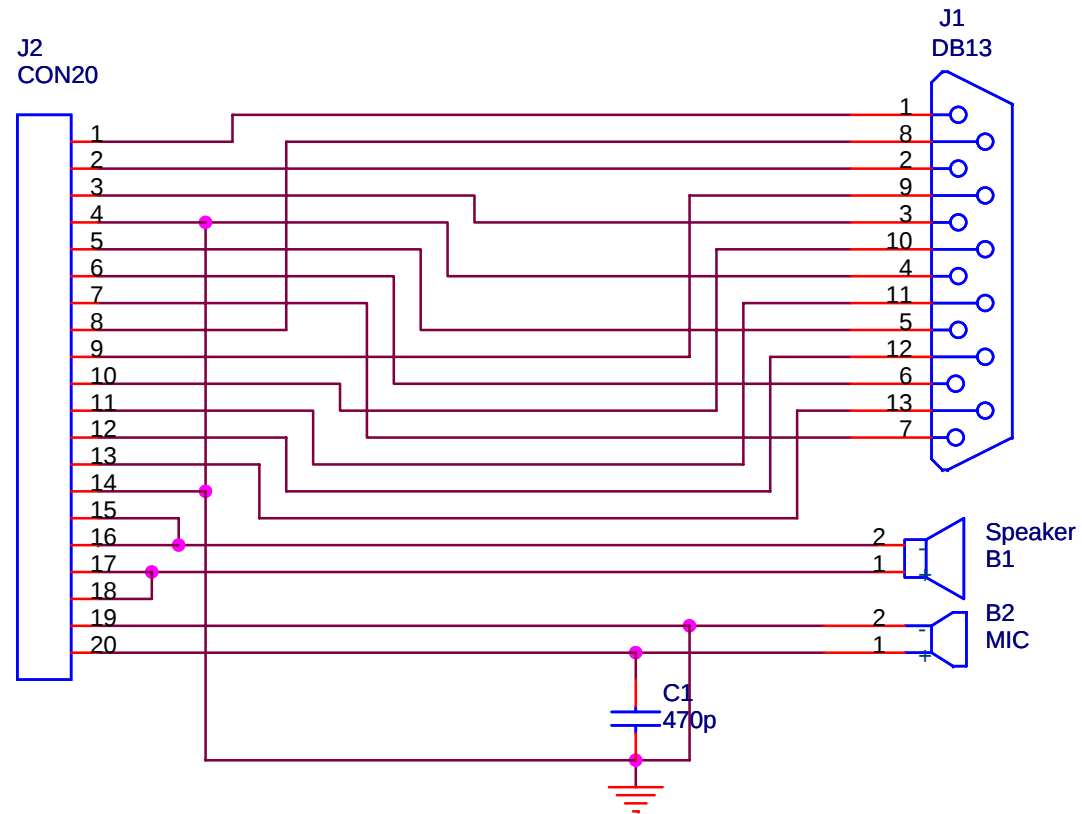
TC-780 UHF Schematic Diagram (Power Unit)



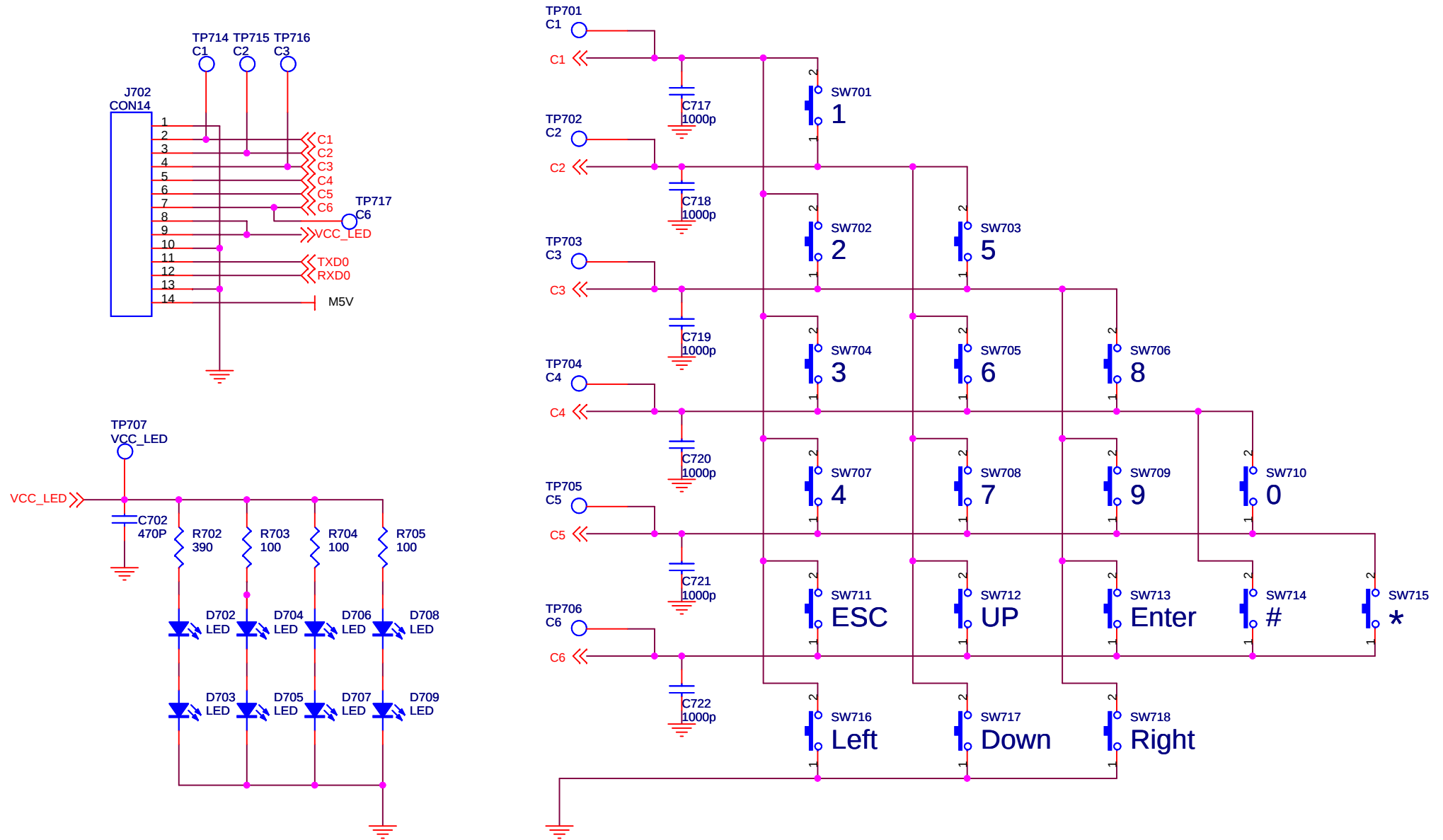
TC-780 UHF Schematic Diagram (LCD & Keyboard Unit)



TC-780 VHF/UHF Schematic Diagram (FPC Connector Unit)



TC-780 VHF/UHF Schematic Diagram (Keyboard Unit)



Specifications

General	
Frequency Range	VHF: 136-174MHz UHF: 350-390MHz 400-470MHz 450-520MHz
Channel Capacity	256
Channel Spacing	25/20/12.5KHz
Operating Voltage	7.4V
Battery	1700mAh (Li-Ion)
Battery Life (5-5-90 duty cycle)	About 14 hours
Operating Temperature	-25℃ -+60℃
Dimensions (H×W×D) (with battery, without antenna)	124×54×35mm
Weight (with antenna & battery)	340g
Receiver	
Sensitivity	0.25μV(W)/0.28μV(N)
Selectivity	70(W)/60dB(N)
Intermodulation	65dB
Spurious Response Rejection	70dB
Rated Audio Power Output	1W
Rated Audio Distortion	<5%
Frequency Stability	±2.5 ppm
Transmitter	
RF Power Output	5W/1W
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
Modulation Limiting	5 KHz(W)/2.5 KHz(N)
FM Noise	45/40dB
Modulation Distortion	<3%
Frequency Stability	±2.5 ppm

All specifications are tested according to **TIA/EIA-603**, and subject to change without notice due to continuous development.

HYT endeavors to achieve the accuracy and completeness of this manual, but no warranty of accuracy or reliability is given. All the specifications and design are subject to change without prior notice due to continuous technology development. Changes which may occur after publication are highlighted by Revision History contained in Service Manual.

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