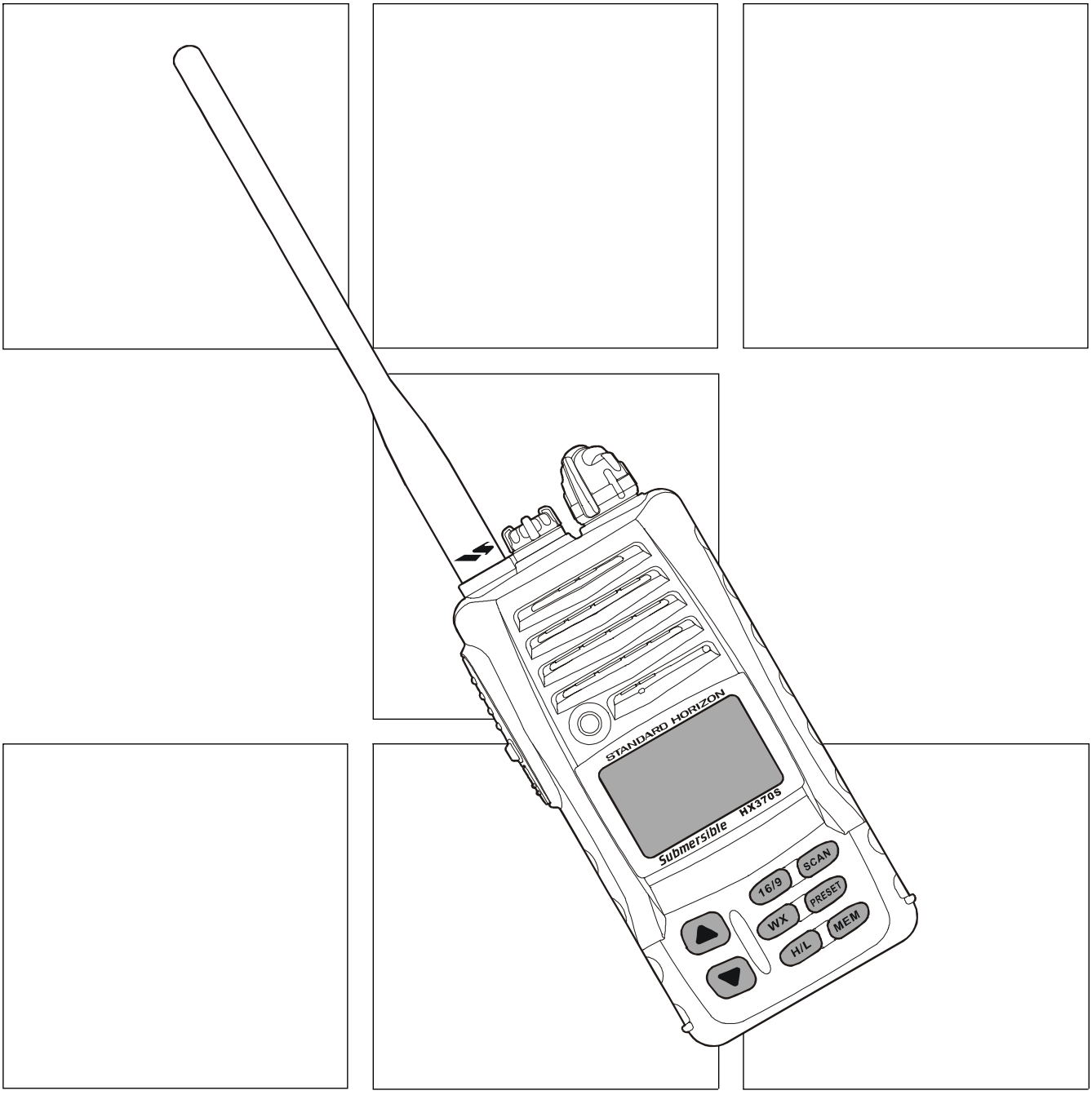
STANDARD HORIZON

VHF/FM Marine Handheld Transceiver

HX370S

SERVICE MANUAL



EM008N90A

Specifications

General

Frequency range:	156 MHz - 163.275 MHz (Marine Band + WX Band) Channel Steps: 25 kHz 137 MHz - 174 MHz (LMR) Channel Steps: 12.5 / 25 kHz
Frequency stability:	± 2.5 ppm (–22 °F to +140 °F [–30 °C to +60 °C])
Emission type:	16K0G3E, 16K0F3E, 8K50F3E
Antenna impedance:	50 Ohms
Supply voltage:	7.2 VDC
Current consumption:	200 mA (Receive) 40 mA (Standby, Saver Off) TX: 1.4 A (H)/0.9 A (M)/0.5 A (L)
Operating Temperature:	–22 °F to +140 °F (–30 °C to +60 °C)
Waterproof rating:	30 minutes @ 1 meter depth (JIS 7)
Case Size (W x H x D):	2.3″ x 4.7″ x 1.2″ (58 x 120 x 30.5 mm)
Weight (Approx):	13.4 oz (380g) with FNB-83

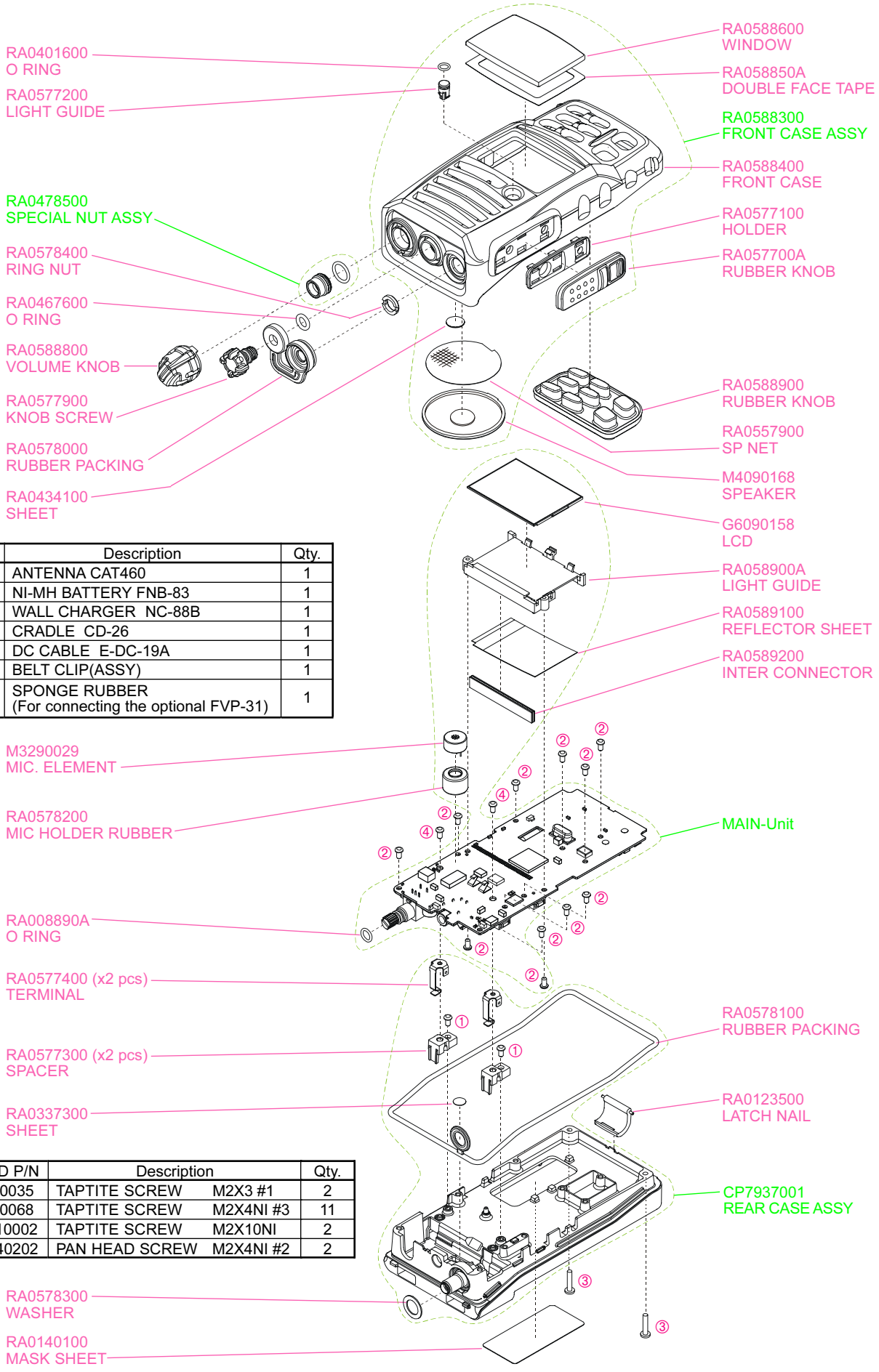
Transmitter

RF output power:	5 W/2.5 W/1 W @7.2 V
Modulation Type:	Variable Reactance
Max deviation:	±5 kHz (Wide) ±12.5 kHz (Narrow)
Spurious emissions:	At least 73 dB down
Microphone impedance:	2 k-Ohm

Receiver

Circuit type:	Double-conversion superheterodyne
Intermediate Frequencies:	1st: 21.7 MHz 2nd: 450 kHz
Sensitivity:	0.25 μV 12 dB SINAD
Adjacent channel selectivity:	70 dB
Intermodulation response:	70 dB
Selectivity:	12 kHz / 25 kHz (–6 dB/–60 dB) (Wide) 6 kHz / 18 kHz (–6 dB/–60 dB) (Narrow)
AF output:	600 mW @ 16 Ohm for 10 % THD (@7.2V)

Exploded View & Miscellaneous Parts



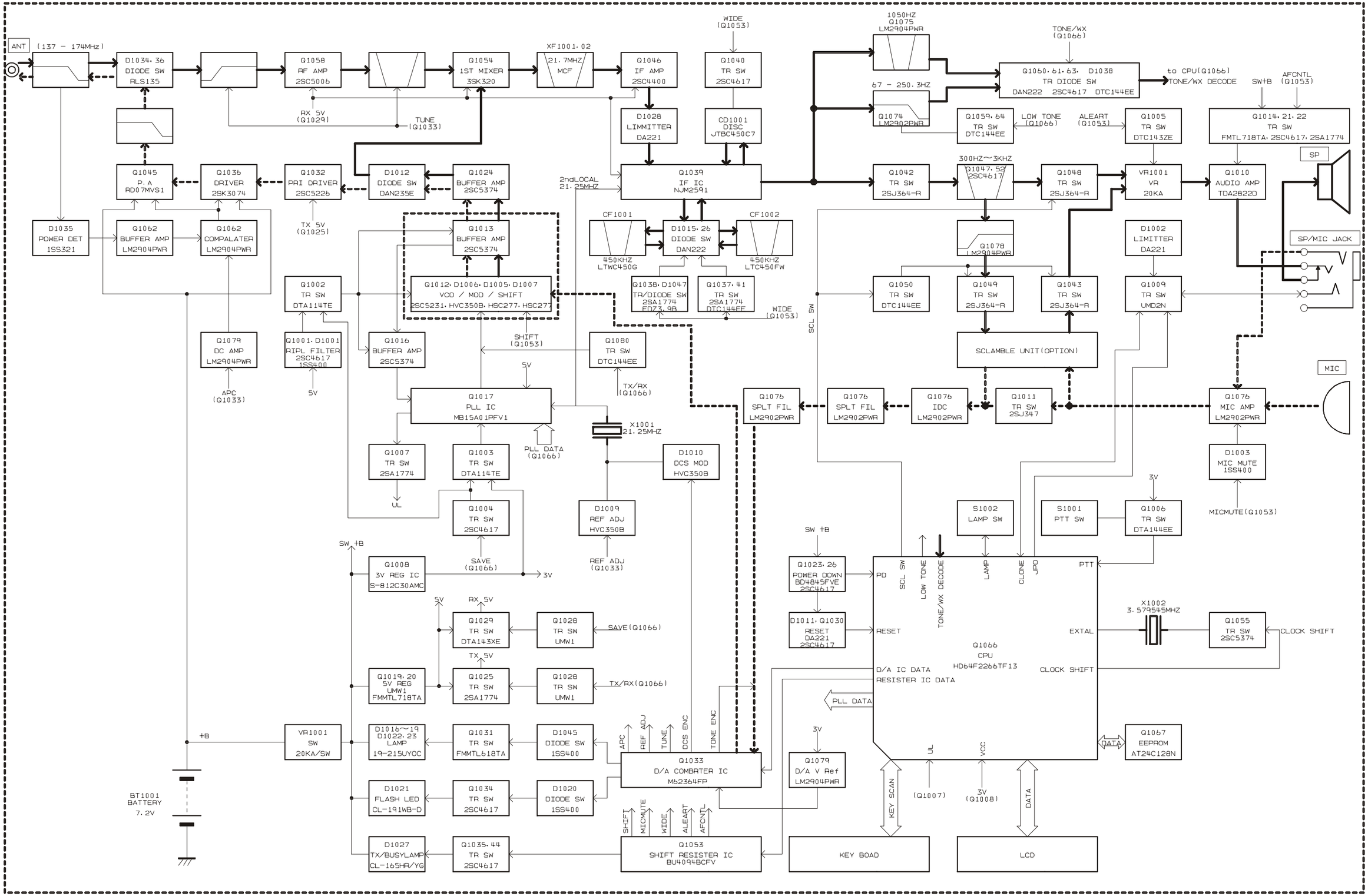
VXSTD P/N	Description	Qty.
Q3000176	ANTENNA CAT460	1
Q9000817	NI-MH BATTERY FNB-83	1
Q9500126	WALL CHARGER NC-88B	1
Q7000494	CRADLE CD-26	1
Q9000821	DC CABLE E-DC-19A	1
AAC48X001	BELT CLIP(ASSY)	1
RA0609300	SPONGE RUBBER (For connecting the optional FVP-31)	1

Ref.	VXSTD P/N	Description		Qty.
①	U9900035	TAPTITE SCREW	M2X3 #1	2
②	U9900068	TAPTITE SCREW	M2X4NI #3	11
③	U24110002	TAPTITE SCREW	M2X10NI	2
④	U07240202	PAN HEAD SCREW	M2X4NI #2	2

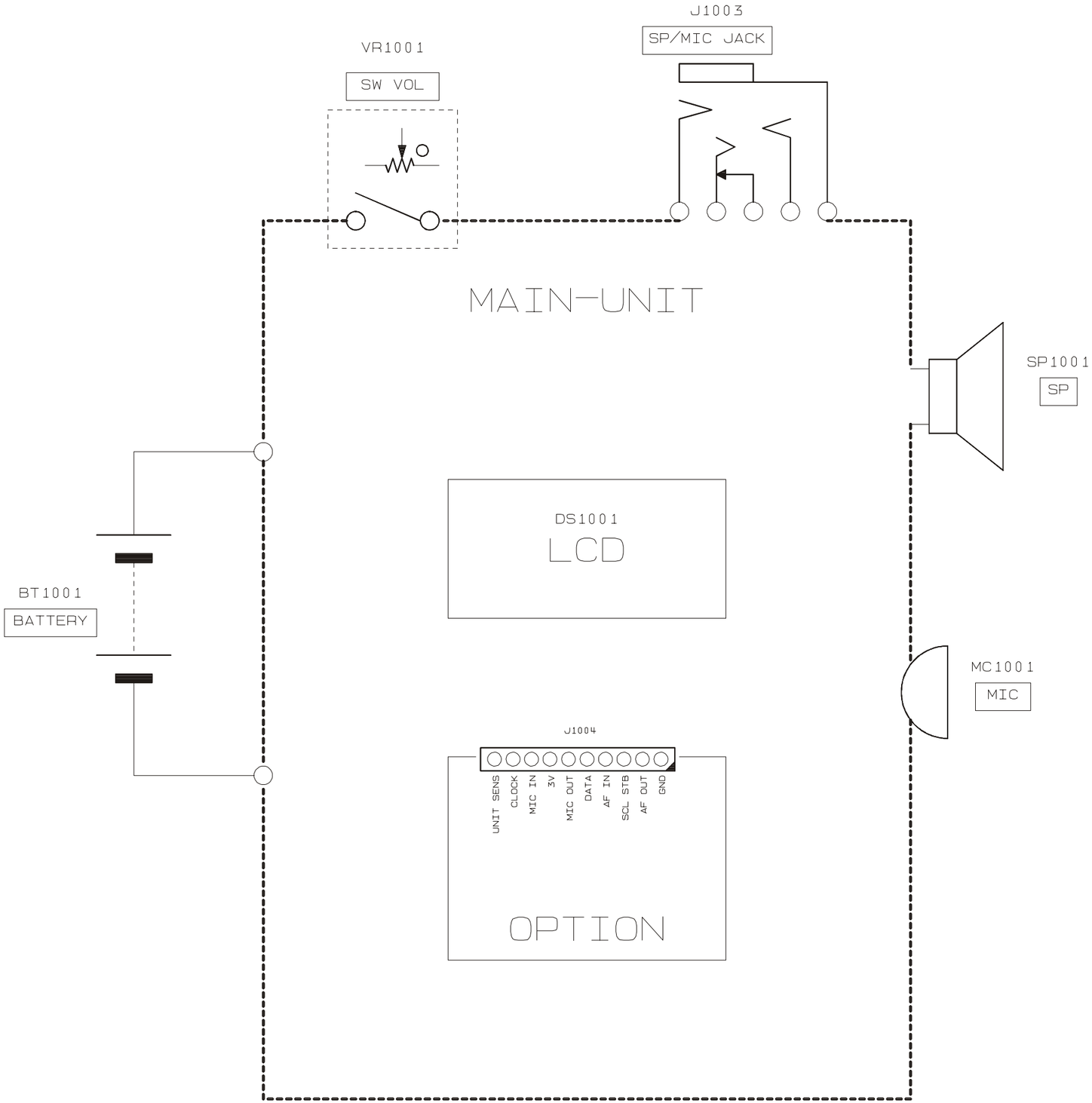
Exploded View & Miscellaneous Parts

Note

Block Diagram



Connection Diagram



1. Receive Signal Path

Incoming RF from the antenna jack is delivered to the RF Unit and passes through a low-pass filter consisting of coils L1023, L1026, and L1027, capacitors C1227, C1273, C1276, C1270, C1257, and C1256, and antenna switching diode **D1036** (**RLS135**).

Signals within the frequency range of the transceiver enter a Varactor-tuned band-pass filter consisting of coils L1022 and L1021, capacitors C1246, C1244, and C1242, and diode **D1048** (**1SV323**), then amplified by **Q1058** (**2SC5006**) and enter a Varactor-tuned band-pass filter consisting of coils L1018, L1017, and L1016, capacitors C1211, C1208, C1210, C1212, C1209, C1207, C1198, C1197, C1196, C1195, and C1194, and diodes **D1032**, **D1031**, and **D1029** (all **HVC350B**), before first mixing by **Q1054** (**3SK320**).

Buffered output from the VCO is amplified by **Q1024** (**2SC5374**) to provide a pure first local signal between 112.3 and 152.3 MHz for injection to the first mixer **Q1054** (**3SK320**).

The 21.7 MHz first mixer product then passes through monolithic crystal filter **XF1001/XF1002** (both **21R15AB**) to strip away all but the desired signal, which is then amplified by **Q1046** (**2SC4400**). The amplified first IF signal is applied to FM IF subsystem IC **Q1039** (**NJM2591V**), which contains the second mixer, second local oscillator, limited amplifier, noise amplifier, and RSSI amplifier.

A second local signal is produced from the PLL reference/second local oscillator of **X1001** (21.25 MHz). The 21.25 MHz reference signal is delivered to mixer section of **Q1039** (**NJM2591V**) which produce the 450 kHz second IF mixed with the first IF signal.

The second IF then passes through the ceramic filter **CF1001** (**LTWC450G**: for "Narrow" channels) or **CF1002** (**LTC450FW**: for "Wide" channels) to strip away unwanted mixer products, and is then applied to the limited amplifier in **Q1039** (**NJM2591V**), which removes amplitude variations in the 450kHz IF, before detection of the speech by the ceramic discriminator **CD1001** (**JTBC450C7**).

2. Audio Amplifier

The demodulated audio signal from the **Q1039** (**NJM2591V**) passes through a band-pass filter and High-pass filter to the Voice Scrambler Unit when the optional Voice Scrambler Unit is installed, then applied to the de-emphasis. Then passes through the audio volume and the audio power amplifier **Q1010** (**TDA2822D**), providing up to 400 mW of audio power to the 4-ohm loudspeaker.

3. Squelch Control

The squelch circuitry consists of a noise amplifier and band-pass filter and noise detector within **Q1039** (**NJM2591V**) When no carrier received, noise at the output of the detector stage in **Q1039** (**NJM2591V**) is amplified and band-pass filtered by the noise amplifier section of **Q1039** (**NJM2591V**) and the network between pins 7 and 8, and then rectified by detection circuit in **Q1039** (**NJM2591V**).

The resulting DC squelch control voltage is passed to pin 52 of the microprocessor **Q1066** (**HD64F2266**). If no carrier is received, this signal causes pin 52 of **Q1066** (**HD64F2266**) to go high and pin 30 to go high. Pin 11 signals of **Q1053** (**CD4094BPW**) to disable the supply voltage to the audio amplifier **Q1010** (**TDA2822D**), while pin 7 hold the green (Busy) half of the LED **D1027** (**CL-165HR/YG-D**) off, when pin 11 is high and pin 7 is high. Thus, the microprocessor blocks output from the audio amplifier, and silences the receiver, while no signal is being received (and during transmission, as well).

When a carrier appears at the discriminator, noise is removed from the output, causing pin 75 of the microprocessor **Q1066** (**HD64F2266**) to go low which is activate the "Busy" LED **D1027** (**CL-165HR/YG-D**) via **Q1053** (**CD4094BPW**).

The microprocessor **Q1066** (**HD64F2266**) then checks for CTCSS or CDCSS code squelch information, if enabled. If not transmitting and CTCSS or CDCSS is not activated, or if the received tone or code matches that programmed, allows audio to pass through the audio amplifier **Q1010** (**TDA2822D**) to the loudspeaker by enabling the supply voltage via **Q1014** (**FMMTL718TA**).

4. Transmit Signal Path

The speech input from the microphone **MC1001** passes through the audio amplifier **Q1076** (**LM2902PW**) which is adjusted the microphone gain. The speech signal passes through pre-emphasis circuit of **Q1076** (**LM2902PW**) which contains the IDC, and low-pass filter.

The filtered audio signal is applied to **Q1033** (**M62364FP**) which is adjusted the audio level, then is applied to varactor diode **D1006** (**HVC350B**) which frequency modulates the VCO **Q1012** (**2SC5231**). A portion of the audio signal from Q1033 **Q1033** (**M62364FP**) is applied to **X1001** (21.25 MHz).

The processed audio may then be mixed with a CTCSS tone generated by the microprocessor **Q1066** (**HD64F2266**) for frequency modulation of the PLL carrier (up to ±5 kHz from the unmodulated carrier) at the transmitting frequency.

Circuit Description

If a CDCSS code is enabled for transmission, the code is generated by microprocessor **Q1066** (**HD64F2266**) and delivered to **X1001** (21.25 MHz) for CDCSS modulating.

The modulated signal from the VCO **Q1012** (**2SC5231**) is buffered by **Q1013** (**2SC5374**). The low-level transmit signal is then passes through the TX switching diode **D1012** (**DAN235E**) to the buffer amplifier **Q1032** (**2SC5226**), driver amplifier **Q1036** (**2SK3074**), then amplified transmit signal is applied to the final amplifier **Q1045** (**RD07MVS1**) up to 5.0 watts output power.

The transmit signal then passes through the antenna switch **D1034** (**RLS135**) and is low-pass filtered to suppress harmonic spurious radiation before delivery to the antenna.

4-1 Automatic Transmit Power Control

Current from the final amplifier is sampled by C1237, C1236, C1208, R1273, and R1272, and is rectified by **D1035** (**1SS321**). The resulting DC is fed back through **Q1062** (**LM2904PW**) to the drive amplifier **Q1036** (**2SK3074**) and final amplifier **Q1045** (**RD07MVS1**), for control of the power output.

The microprocessor **Q1066** (**HD64F2266**) selects "High" or "Low" power levels.

4-2 Spurious Suppression

Generation of spurious products by the transmitter is minimized by the fundamental carrier frequency being equal to final transmitting frequency, modulated directly in the VCO **Q1012** (**2SC5231**). Additional harmonic suppression is provided by a low-pass filter consisting of coils L1012 and L1013 plus capacitors C1165, C1291, C1167, C1169, and C1190, resulting in more than 60 dB of harmonic suppression prior to delivery to the antenna.

5. PLL Frequency Synthesizer

The PLL circuitry on the Main Unit consists of VCO **Q1012** (**2SC5231**), VCO buffer **Q1013** (**2SC5374**), PLL subsystem IC **Q1017** (**MB15A01PFV1**), which contains a reference divider, serial-to-parallel data latch, programmable divider, phase comparator and charge pump, and crystal **X1001** (21.25 MHz) which frequency stability is ±2.5 ppm –30 to +60 °C.

While receiving, VCO **Q1012** (**2SC5231**) oscillates between 115.3 and 152.3 MHz according to the transceiver version and the programmed receiving frequency. The VCO output is buffered by **Q1016** (**2SC5374**), then applied to the prescaler section of **Q1017** (**MB15A01PFV1**). There the VCO signal is divided by 64 or 65, according to a control signal from the data latch section of **Q1017** (**MB15A01PFV1**), before being sent to the programmable divider section of **Q1017** (**MB15A01PFV1**).

The data latch section of **Q1017** (**MB15A01PFV1**) also receives serial dividing data from the microprocessor **Q1066** (**HD64F2266**), which causes the pre-divided VCO signal to be further divided in the programmable divider section, depending upon the desired receive frequency, so as to produce a 5.0 kHz or 6.25 kHz derivative of the current VCO frequency.

Meanwhile, the reference divider sections of **Q1017** (**MB15A01PFV1**) divides the crystal **X1001** (21.25 MHz) by 3360 (or 2688) to produce the 5.0 kHz (or 6.25 kHz) loops reference (respectively).

The 5.0 kHz (or 6.25 kHz) signal from the programmable divider (derived from the VCO) and that derived from the reference oscillator are applied to the phase detector section of **Q1017** (**MB15A01PFV1**), which produces a pulsed output with pulse duration depending on the phase difference between the input signals. This pulse train is filtered to DC and returned to the Varactor **D1006** (**HVC350B**).

Changes in the level of the DC voltage applied to the Varactor, affecting the reference in the tank circuit of the VCO according to the phase difference between the signals derived from the VCO and the crystal reference oscillator.

The VCO is thus phase-locked to the crystal reference oscillator. The output of the VCO **Q1012** (**2SC5231**) after buffering by **Q1013** (**2SC5374**), is applied to the first mixer as described previously.

For transmission, the VCO **Q1012** (**2SC5231**) oscillates between 134.00 and 174.00 MHz according to the model version and programmed transmit frequency. The remainder of the PLL circuitry is shared with the receiver. However, the dividing data from the microprocessor is such that the VCO frequency is at the actual transmit frequency (rather than offset for IFs, as in the receiving case). Also, the VCO is modulated by the speech audio applied to **D1005** (**HSC277**), as described previously.

6. Miscellaneous Circuits

The PTT switch for the internal microphone is connected to pin 47 of microprocessor **Q1066** (**HD64F2266**), so that when the PTT switch is closed, pin 47 of **Q1066** (**HD64F2266**) goes low. This signal disables the receiver by disabling the 5 V supply bus at **Q1029** (**DTA143XE**) to the front-end, FM IF subsystem IC **Q1039** (**NJM2591V**). At the same time, **Q1028** (**UMW1**) and **Q1025** (**2SA1774**) activate the transmit 5 V supply line to enable the transmitter.

The **HX370S** has been carefully aligned at the factory for the specified performance across the land mobile band.

Realignment should therefore not be necessary except in the event of a component failure.

All component replacement and service should be performed only by an authorized STANDARD HORIZON representative, or the warranty policy may be voided.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized STANDARD HORIZON service technicians who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized STANDARD HORIZON service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components. Those who do undertake any of the following alignments are cautioned to proceed at their own risk.

Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, STANDARD HORIZON must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners. Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary. The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order presented.

Required Test Equipment

- ❒ RF Signal Generator with calibrated output level at 200 MHz
- ❒ Deviation Meter (linear detector)
- ❒ AF Millivoltmeter
- ❒ SINAD Meter
- ❒ Inline Wattmeter with 5% accuracy at 200 MHz
- ❒ Regulated DC Power Supply: adjustable from 6 to 17 VDC, 3A
- ❒ 50-ohm Non-reactive Dummy Load: 10W at 200 MHz
- ❒ Frequency Counter: >0.1 ppm accuracy at 200 MHz
- ❒ AF Signal Generator
- ❒ DC Voltmeter: high impedance
- ❒ VHF Sampling Coupler
- ❒ AF Dummy Load: 8 ohm, 2W
- ❒ Oscilloscope
- ❒ Spectrum Analyzer

Alignment Preparation & Precautions

A dummy load and inline wattmeter must be connected to the main antenna jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna. After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 20 and 30 °C (68 ~ 86 °F). When the transceiver is brought into the shop from hot or cold air it should be allowed some time for thermal equalization with the environment before alignment. If possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place. Also, the test equipment must be thoroughly warmed up before beginning.

Note: Signal levels in dB referred to in this procedure are based on 0 dBm = 0.5 μV(closed circuit).

Alignment

Before Alignment

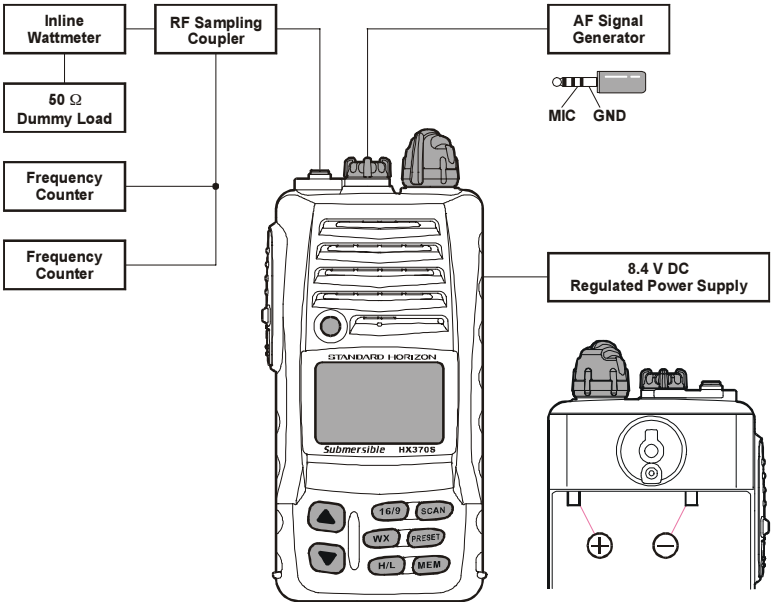
❒ Press and hold in the [▼] key and [**MEM**] key while turning the transceiver on to enter the Alignment Mode.

PLL Reference Frequency

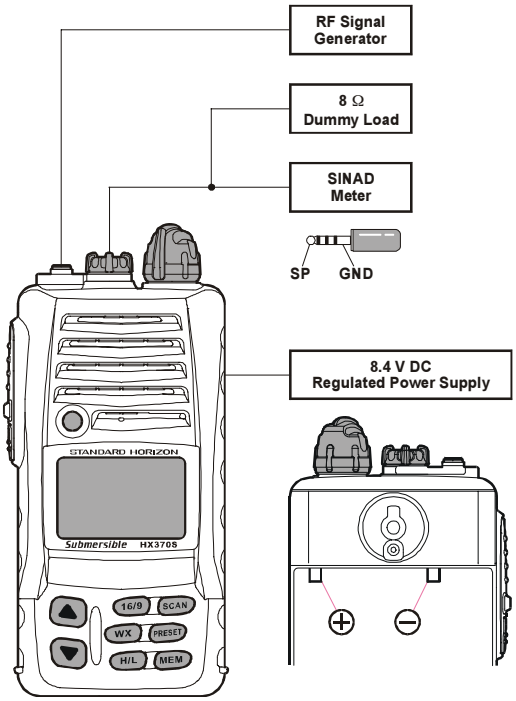
❒ Set up the test equipment as shown below for PLL and Ttransmitter Section Alignment. Maintain the supply voltage at 8.4V DC for all steps.
❒ Press the [▲] or [▼] key to sect the display to "rEF." The transceiver now is in the PLL Reference Frequency Alignment Mode.
❒ Press the [**PRESET**] key to enable adjustment of the PLL Reference Frequency.
❒ Press the **PTT** key to cause the transceiver to transmit; if necessary, press the [▲] or [▼] key to adjust the frequency to 155.500 MHz (±100 Hz).
❒ Press the [**PRESET**] key to exit the PLL Reference Frequency Alignment Mode.

Squelch Threshold and Tight Squelch Adjustment

❒ Set up the test equipment as shown below for Receiver Section Alignment. Maintain the supply voltage at 8.4V DC for all steps.
❒ Press the [▲] key twice to set the display to "tHL." The transceiver now is in the Squelch Threshold Alignment Mode.
❒ Set the RF signal generator output to 155.600 MHz, at a level of –12 dBµ with ±3.5 kHz deviation with a 1 kHz audio tone.
❒ Press the [**PRESET**] key to read the Squelch Threshold data.
❒ Press the [**H/L**] key twice.
❒ Press the [**PRESET**] key to exit the Squelch Threshold Alignment Mode.
❒ Press the [▲] key monentarily to set the display to "tl." The transceiver now is in the Squelch Tight Alignment Mode.
❒ Increase the RF signal generator output to –4 dBµ, then press the [**PRESET**] key to read the Squelch Tight data.
❒ Press the [**H/L**] key twice.
❒ Press the [**PRESET**] key to exit the Squelch Tight Alignment Mode.



PLL & Transmitter Section Alignment Setup



Receiver Section Alignment Setup

Transmitter Power Output

- ❒ Set up the test equipment as shown below for PLL and Ttransmitter Section Alignment. Maintain the supply voltage at 8.4V DC for all steps.
- ❒ Press the [▲] key momentarily to set the display to "HP." The transceiver now is in the Transmitter High Power Output Alignment Mode.
- ❒ Press the [**PRESET**] key to enable adjustment of the Transmitter High Power Output.
- ❒ Press the **PTT** key to cause the transceiver to transmit; if necessary, press the [▲] or [▼] key to adjust the output power to 5.0 W (±0.1 W).
- ❒ Press the [**PRESET**] key to exit the Transmitter High Power Output Alignment Mode.
- ❒ Press the [▲] key momentarily to set the display to "CP." The transceiver now is in the Transmitter Medium Power Output Alignment Mode.
- ❒ Press the [**PRESET**] key to enable adjustment of the Medium Power setting.
- ❒ Press the **PTT** key to cause the transceiver to transmit; if necessary, press the [▲] or [▼] key to adjust the output power to 2.5 W (±0.1 W).
- ❒ Press the [**PRESET**] key to exit the Transmitter Medium Power Output Alignment Mode.
- ❒ Press the [▲] key momentarily to set the display to "LP." The transceiver now is in the Transmitter Low Power Output Alignment Mode.
- ❒ Press the [**PRESET**] key to enable adjustment of the Low Power setting.
- ❒ Press the **PTT** key to cause the transceiver to transmit; if necessary, press the [▲] or [▼] key to adjust the output power to 1.0 W (±0.05 W).
- ❒ Press the [**PRESET**] key to exit the Transmitter Low Power Output Alignment Mode.

Transmitter Modulation

- ❒ Press the [▲] key to set the display to "dEu." The transceiver now is in the Transmitter Modulation Alignment Mode.
- ❒ Set the AF generator output to 50 mV rms @ 1 kHz.
- ❒ Press the [**PRESET**] key to enable adjustment of the Transmitter Modulation.
- ❒ Press the **PTT** key to cause the transceiver to transmit; if necessary, press the [▲] or [▼] key to adjust the deviation to 4.2 kHz (±0.1 kHz).
- ❒ Press the [**PRESET**] key to exit the Transmitter Modulation Alignment Mode.

CTCSS Modulation

- ❒ Press the [▲] key to set the display to "ton." The transceiver now is in the CTCSS Modulation Alignment Mode.
- ❒ Press the [**PRESET**] key to enable adjustment of the CTCSS Modulation.
- ❒ Press the **PTT** key to cause the transceiver to transmit (with no microphone input); if necessary, press the [▲] or [▼] key to adjust the deviation to 0.6 kHz (±0.1 kHz).
- ❒ Press the [**PRESET**] key to exit the CTCSS Modulation Alignment Mode.

DCS Modulation

- ❒ Press the [▲] key to set the display to "dCs." The transceiver now is in the DCS Modulation Alignment Mode.
- ❒ Press the [**PRESET**] key to enable adjustment of the DCS Modulation.
- ❒ Press the **PTT** key to cause the transceiver to transmit (with no microphone input); if necessary, press the [▲] or [▼] key to adjust the deviation to 0.6 kHz (±0.1 kHz).
- ❒ Press the [**PRESET**] key to exit the DCS Modulation Alignment Mode.

Exit from the Alignment Mode

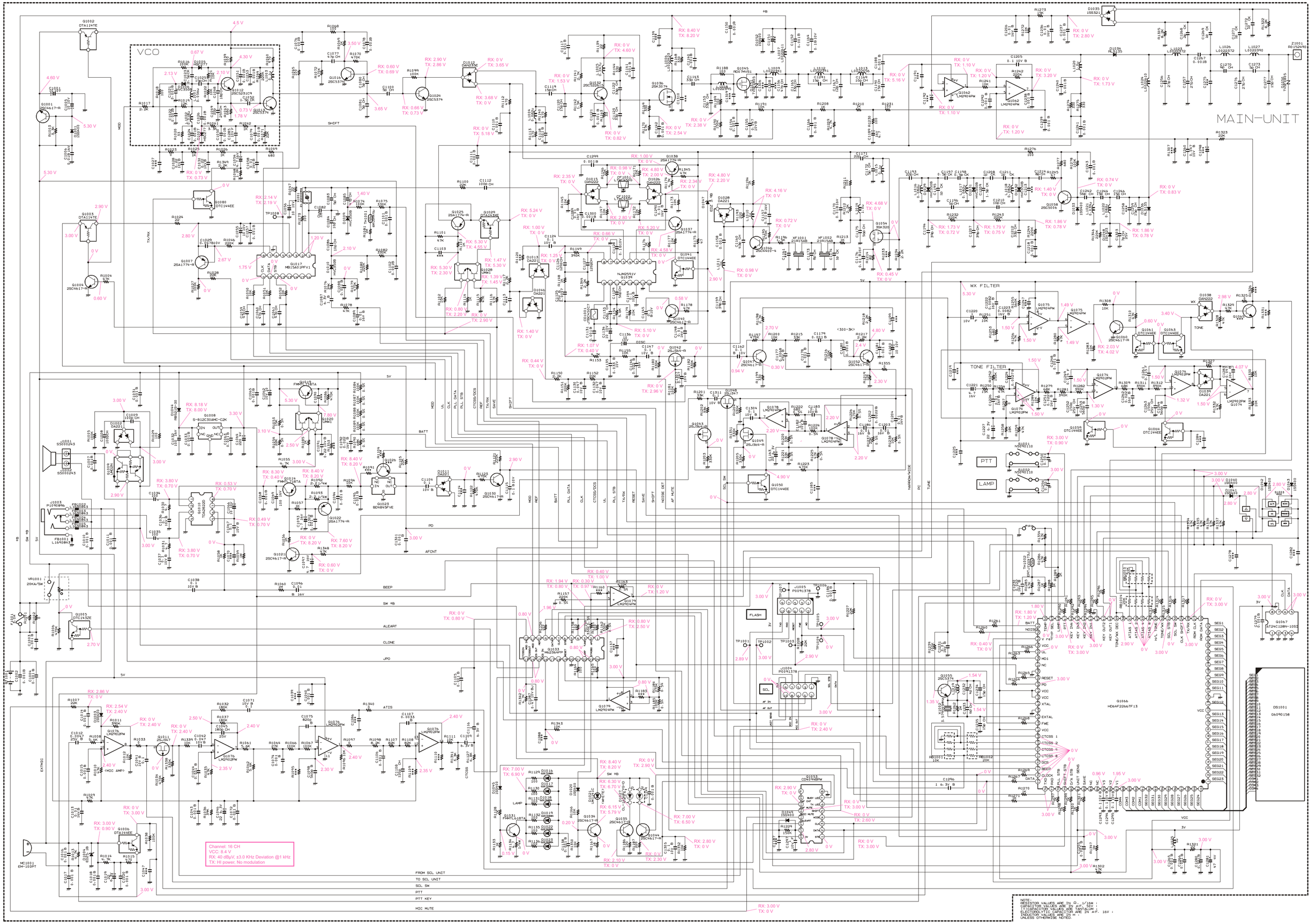
Press the [**16/9**] key to save the new setting(s) and exit to normal operation.

Alignment

Note

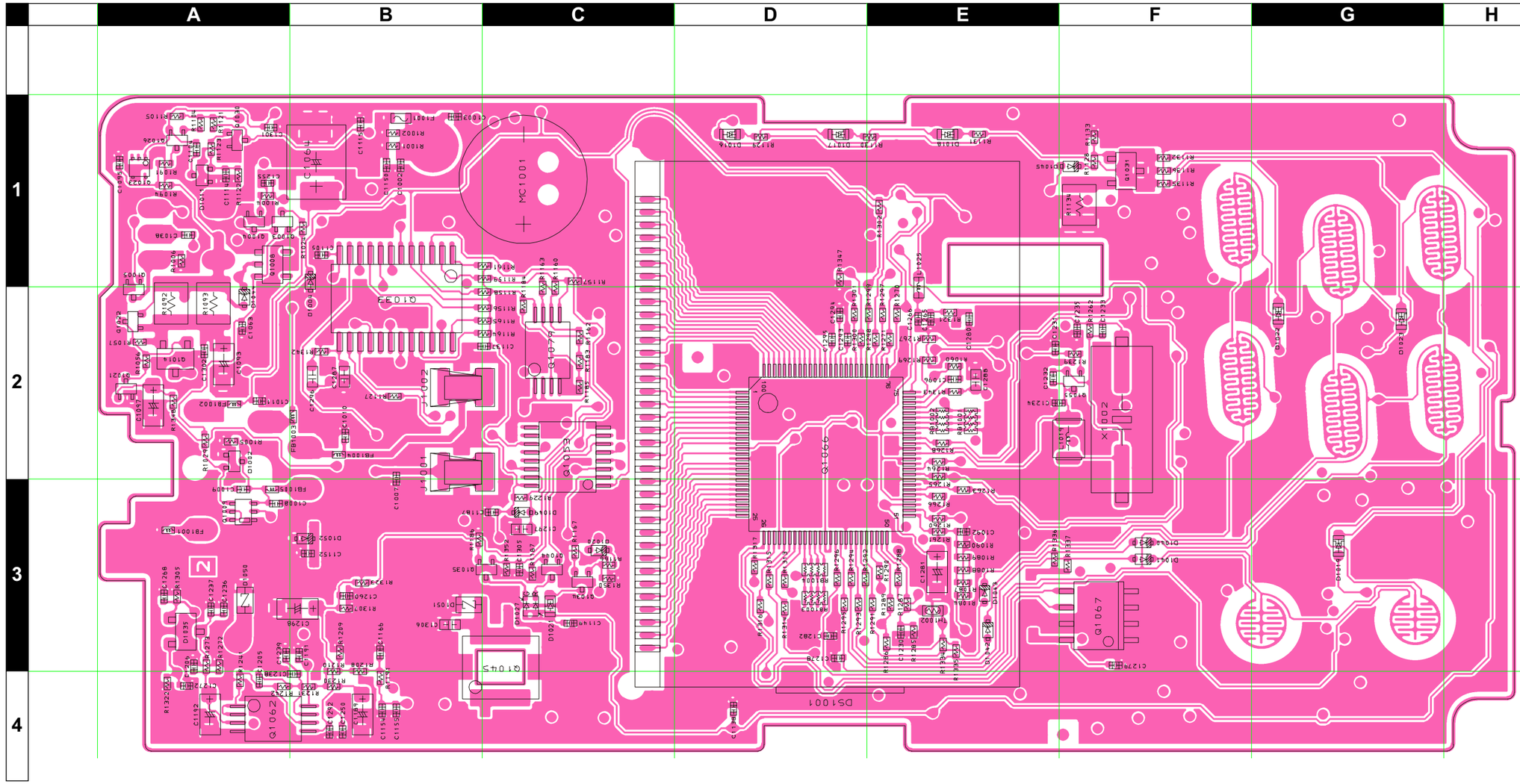
MAIN Unit

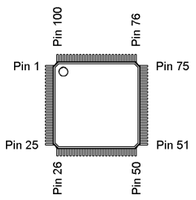
Circuit Diagram



MAIN Unit

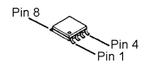
Note



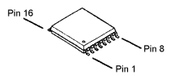


HD64F2266
(Q1024)

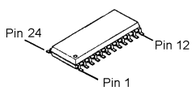
AT24C128N
(Q1067)



LM2904PWR
(Q1062, 1079)



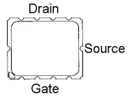
CD4094BPWR
(Q1053)



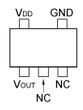
M62364FP
(Q1033)

2SA1774 (FR)
(Q1022)
FMMTL718
(Q1014)

2SC4617 (BR)
(Q1004, 1021, 1026, 1030, 1035, 1044)
2SC5374 (NA)
(Q1055)
FMMTL618
(Q1031)



RD07MVS1
(Q1045)

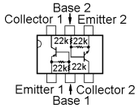


BD4845FVE
(Q1023)

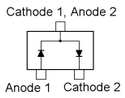
DTA114TE (94)
(Q1003)

DTC143ZE (E23)
(Q1005)

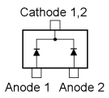
S-812C30AMC
(Q1008)



UMD2N (D2)
(Q1009)



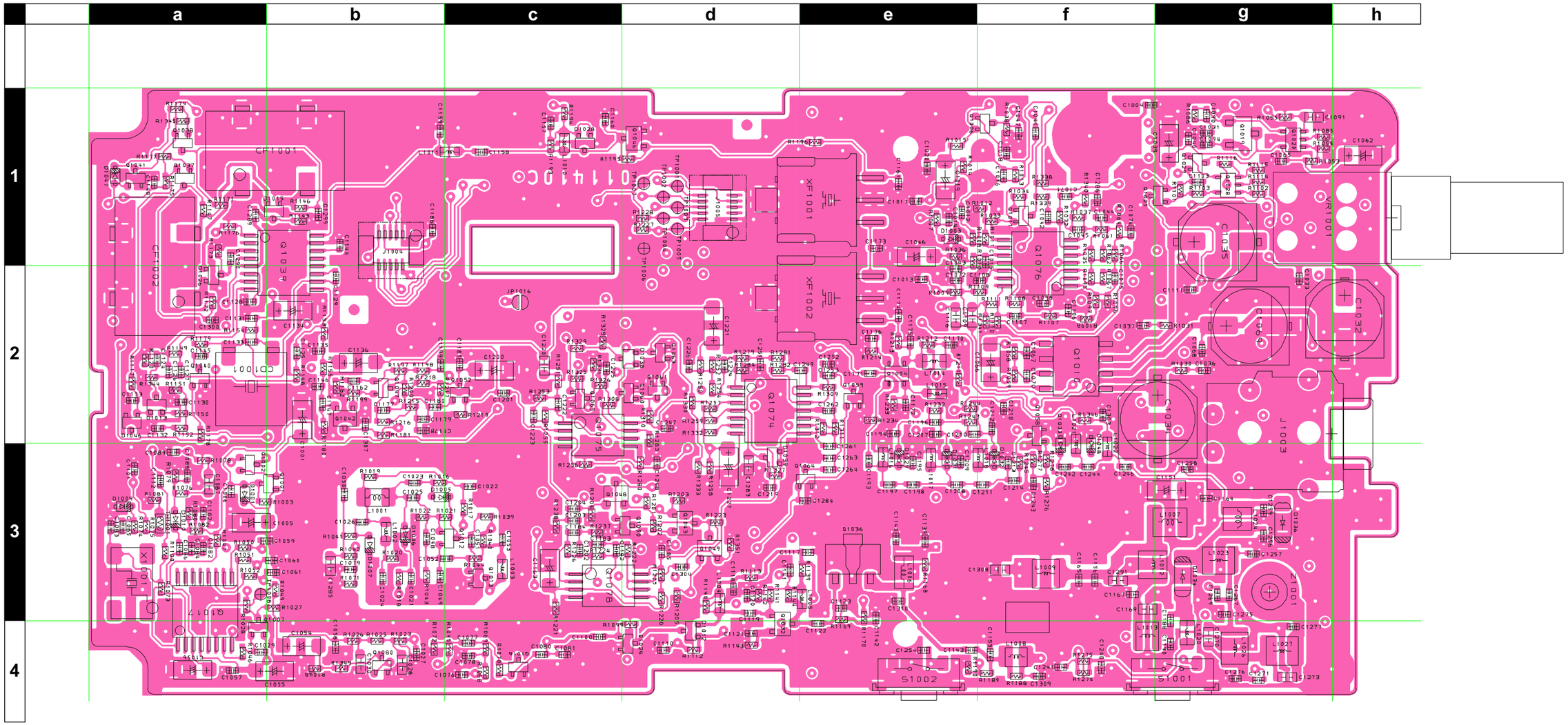
DA221 (K)
(D1002, 1011)

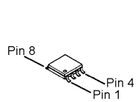


1SS321 (F9)
(D1035)

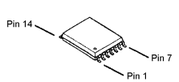
MAIN Unit

Parts Layout (Side B)

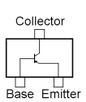




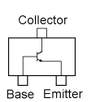
LM2904PWR
(Q1075, 1078)



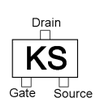
LM2902PWR
(Q1074, 1076)



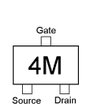
2SA1774 (FR)
(Q1007, 1025, 1037, 1038)
FMMTL718
(Q1019)



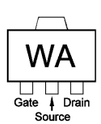
2SC4400 (RT4)
(Q1046)
2SC4617 (BR)
(Q1001, 1040, 1047, 1052, 1060)
2SC5006 (24)
(Q1058)
2SC5226 (R22)
(Q1032)
2SC5231 (C9)
(Q1012)
2SC5374 (NA)
(Q1013, 1016, 1024)



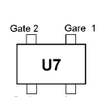
2SJ347 (KS)
(Q1011)



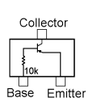
2SJ364 (4M)
(Q1042, 1043, 1048, 1049)



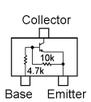
2SK3074 (WA)
(Q1036)



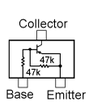
3SK320 (U7)
(Q1054)



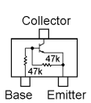
DTA114TE (94)
(Q1002)



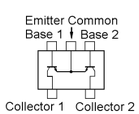
DTA143XE (33)
(Q1029)



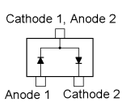
DTA144EE (16)
(Q1006)



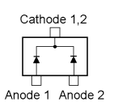
DTC144EE (26)
(Q1041, 1050, 1059, 1061, 1063, 1064, 1080)



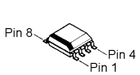
UMW1 (W1)
(Q1020, 1028)



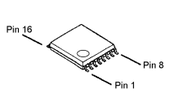
DA221 (K)
(D1013, 1028, 1039, 1046)



DAN222 (N)
(D1015, 1026, 1038)
DAN235E
(D1012)



TDA2822D013
(1010)



MB15A01PFV1
(Q1017)
NJM2591V
(Q1039)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CB2717001	DST USA, IS OFF			
						CB2717002	DST EXP, IS OFF			
						CB2717003	DST EXP, IS ON			
						CB2717005	DST USA, IS ON			
	Printed Circuit Board				AM008N000	FR0114100		1-		
C 1001	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	b2
C 1002	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B1
C 1003	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B1
C 1004	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f1
C 1005	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	a3
C 1006	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a3
C 1007	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B2
C 1008	CHIP CAP.	100pF	50V	CH	UMK105CH101JW-F	K22178282		1-	A	A3
C 1009	CHIP CAP.	100pF	50V	CH	UMK105CH101JW-F	K22178282		1-	A	A3
C 1010	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B2
C 1011	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A2
C 1012	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	B	e1
C 1013	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e2
C 1014	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e1
C 1015	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f1
C 1016	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f1
C 1017	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e1
C 1018	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f1
C 1019	CHIP TA.CAP.	22uF	6.3V		TEMSVA0J226M-8R	K78080047		1-	B	e1
C 1020	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e1
C 1021	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b3
C 1022	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1023	CHIP CAP.	0.5pF	50V	CK	UMK105CK0R5CW-F	K22178247		1-	B	b3
C 1024	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b3
C 1025	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	b3
C 1026	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b3
C 1028	CHIP CAP.	0.22uF	10V	B	GRM39B224K10PT	K22104801		1-	B	b4
C 1029	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	B	a4
C 1030	CHIP CAP.	0.22uF	10V	B	GRM39B224K10PT	K22104801		1-	B	b4
C 1031	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g1
C 1032	AL.ELECTRO.CAP.	100uF	16V		ECEV1CA101WP	K48120012		1-	B	h2
C 1032	AL.ELECTRO.CAP.	22uF	50V		ECEV1HA220WP	K48170018		1-	B	h2
C 1033	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g2
C 1034	AL.ELECTRO.CAP.	100uF			RVZ-10V101MF55U-R2	K48100008		1-	B	g2
C 1035	AL.ELECTRO.CAP.	100uF			RVZ-10V101MF55U-R2	K48100008		1-	B	g1
C 1036	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	g2
C 1037	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	f2
C 1038	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	A1
C 1040	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g1
C 1041	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	f1
C 1042	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	B	f1
C 1043	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e2
C 1044	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f1
C 1045	CHIP CAP.	180pF	25V	CH	TMK105CH181JW-F	K22148244		1-	B	f1
C 1046	CHIP TA.CAP.	22uF	6.3V		TEMSVA0J226M-8R	K78080047		1-	B	e1
C 1048	CHIP CAP.	18pF	50V	CH	UMK105CH180JW-F	K22178264		1-	B	b3
C 1049	CHIP CAP.	22pF	25V	CH	TMK105CH220J-F	K22148222		1-	B	b3
C 1050	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b3
C 1051	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1052	CHIP CAP.	1.5pF	50V	CK	UMK105CK1R5CW-F	K22178249		1-	B	b3
C 1053	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1054	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	B	b4
C 1055	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	b4
C 1056	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	a4
C 1057	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a4
C 1058	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	b4
C 1059	CHIP CAP.	47pF	50V	CH	UMK105CH470JW-F	K22178274		1-	B	a3
C 1060	CHIP CAP.	47pF	50V	CH	UMK105CH470JW-F	K22178274		1-	B	b3
C 1061	CHIP CAP.	47pF	50V	CH	UMK105CH470JW-F	K22178274		1-	B	b3
C 1062	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	h1
C 1063	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A2
C 1064	CHIP TA.CAP.	220uF	4V		SK4-0G227M-RD	K78060014		1-	A	B1
C 1065	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g1
C 1066	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	f2
C 1067	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	f2
C 1068	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g2
C 1069	AL.ELECTRO.CAP.	100uF	16V		ECEV1CA101WP	K48120012		1-	B	g2
C 1071	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	f1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1072	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e2
C 1074	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f1
C 1075	CHIP CAP.	820pF	50V	B	GRM36B821K50PT	K22178808		1-	B	f2
C 1076	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c4
C 1077	CHIP CAP.	47pF	50V	CH	UMK105CH470JW-F	K22178274		1-	B	c4
C 1078	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c4
C 1079	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b3
C 1080	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	c4
C 1081	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	c4
C 1082	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	a3
C 1083	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	a3
C 1084	CHIP CAP.	10pF	50V	CH	UMK105CH100DW-F	K22178258		1-	B	a3
C 1085	CHIP CAP.	47pF	50V	CH	GRM36CH470J50PT	K22178228		1-	B	a3
C 1086	CHIP CAP.	10pF	50V	CH	UMK105CH100DW-F	K22178258		1-	B	a3
C 1087	CHIP CAP.	1uF	6.3V	B	GRM39B105K6.3PT	K22084801		1-	B	a3
C 1088	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a3
C 1089	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a3
C 1091	CHIP CAP.	0.22uF	10V	B	GRM39B224K10PT	K22104801		1-	B	g1
C 1092	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	A	E3
C 1093	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	A	A2
C 1094	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g1
C 1095	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A1
C 1096	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	E2
C 1097	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	A	A2
C 1098	CHIP CAP.	560pF	50V	B	GRM36B561K50PT	K22178806		1-	B	f2
C 1100	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	c4
C 1101	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a3
C 1102	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a3
C 1104	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	A1
C 1105	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B1
C 1106	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f2
C 1107	CHIP CAP.	0.0033uF	50V	B	GRM36B332K50PT	K22178815		1-	B	f2
C 1108	CHIP CAP.	120pF	50V	CH	GRM36CH121J50PT	K22178238		1-	B	f2
C 1109	CHIP CAP.	1uF	6.3V	B	GRM39B105K6.3PT	K22084801		1-	B	e2
C 1110	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d4
C 1111	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g2
C 1112	CHIP CAP.	100pF	50V	CH	UMK105CH101JW-F	K22178282		1-	B	a3
C 1115	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1	A	B1
C 1115	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		2-	A	B1
C 1116	CHIP CAP.	1uF	6.3V	B	GRM39B105K6.3PT	K22084801		1-	B	e2
C 1117	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e3
C 1118	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d3
C 1119	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	d3
C 1120	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	d3
C 1121	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d4
C 1122	CHIP CAP.	33pF	50V	CH	UMK105CH330JW-F	K22178270		1-	B	e4
C 1123	CHIP CAP.	33pF	50V	CH	UMK105CH330JW-F	K22178270		1-	B	e3
C 1124	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	a2
C 1125	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	B	b2
C 1126	CHIP CAP.	120pF	50V	CH	UMK105CH121JW-F	K22178284		1-	B	a2
C 1127	CHIP CAP.	120pF	50V	CH	UMK105CH121JW-F	K22178284		1-	B	a2
C 1128	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	a2
C 1129	CHIP CAP.	56pF	50V	CH	UMK105CH560JW-F	K22178276		1-	B	b2
C 1130	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	B	a2
C 1131	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a2
C 1132	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	B	a2
C 1133	CHIP CAP.	68pF	50V	CH	UMK105CH680JW-F	K22178278		1-	B	a2
C 1134	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	b2
C 1135	CHIP CAP.	0.033uF	10V	B	GRM36B333K10PT	K22108803		1-	B	b2
C 1136	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	b2
C 1138	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	D4
C 1140	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e3
C 1141	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d3
C 1142	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e3
C 1143	CHIP CAP.	33pF	50V	CH	UMK105CH330JW-F	K22178270		1-	B	e4
C 1144	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	b1
C 1145	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	a2
C 1146	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	B	b2
C 1147	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	b2
C 1148	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a1
C 1149	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	C3
C 1150	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B1
C 1152	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B3

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1153	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	f4
C 1154	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B4
C 1155	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	A	B4
C 1156	CHIP CAP.	47pF	50V	CH	UMK105CH470JW-F	K22178274		1-	B	f3
C 1157	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c1
C 1158	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c1
C 1159	CHIP CAP.	39pF	50V	CH	UMK105CH390JW-F	K22178272		1-	B	b1
C 1160	CHIP CAP.	43pF	50V	CH	UMK105CH430JW-F	K22178273		1-	B	c1
C 1162	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	b2
C 1163	CHIP TA.CAP.	22uF	6.3V		TEMSVA0J226M-8R	K78080047		1-	B	c3
C 1164	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	g3
C 1165	CHIP CAP.	33pF	50V	CH	UMK105CH330JW-F	K22178270		1-	B	f3
C 1166	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B3
C 1167	CHIP CAP.	12pF	50V	CH	UMK105CH120JW-F	K22178260		1-	B	f3
C 1169	CHIP CAP.	10pF	50V	CH	GRM39CH100D50PT	K22174211		1-	B	f3
C 1170	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e2
C 1171	CHIP CAP.	22pF	50V	CH	UMK105CH220JW-F	K22178266		1-	B	e2
C 1172	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	e2
C 1173	CHIP CAP.	8pF	50V	CH	UMK105CH080DW-F	K22178256		1-	B	e1
C 1174	CHIP CAP.	1pF	50V	CK	UMK105CK010CW-F	K22178248		1-	B	e2
C 1175	CHIP CAP.	56pF	50V	CH	UMK105CH560JW-F	K22178276		1-	B	e2
C 1176	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e2
C 1177	CHIP CAP.	0.0068uF	25V	B	GRM36B682J25PT	K22148803		1-	B	b2
C 1178	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b2
C 1179	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b2
C 1180	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b2
C 1181	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c2
C 1182	CHIP CAP.	0.1uF	10V	B	GRP155B11A104JA01E	K22108807		1-	B	c3
C 1183	CHIP CAP.	0.1uF	10V	B	GRP155B11A104JA01E	K22108807		1-	B	c3
C 1184	CHIP CAP.	0.01uF	16V	B	GRP155B11C103JA01E	K22128814		1-	B	c3
C 1186	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b1
C 1188	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g3
C 1189	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	A	B4
C 1190	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	g4
C 1193	CHIP CAP.	22pF	50V	CH	UMK105CH220JW-F	K22178266		1-	B	e3
C 1194	CHIP CAP.	39pF	50V	CH	UMK105CH390JW-F	K22178272		1-	B	e2
C 1195	CHIP CAP.	1pF	50V	CK	GRM36CK010C50PT	K22178202		1-	B	e3
C 1196	CHIP CAP.	5pF	50V	CH	UMK105CH050CW-F	K22178253		1-	B	e2
C 1197	CHIP CAP.	0.5pF	50V	CK	GRM36CK0R5B50PT	K22178285		1-	B	e3
C 1198	CHIP CAP.	0.5pF	50V	CK	GRM36CK0R5B50PT	K22178285		1-	B	e3
C 1200	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	c2
C 1201	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c2
C 1202	CHIP CAP.	0.0022uF	50V	B	GRP155B11H222JA01E	K22178837		1-	B	c3
C 1203	CHIP CAP.	0.01uF	16V	B	GRP155B11C103JA01E	K22128814		1-	B	c3
C 1204	CHIP CAP.	0.01uF	16V	B	GRP155B11C103JA01E	K22128814		1-	B	c3
C 1205	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	A4
C 1206	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	A3
C 1207	CHIP CAP.	39pF	50V	CH	UMK105CH390JW-F	K22178272		1-	B	e2
C 1208	CHIP CAP.	1pF	50V	CK	UMK105CK010CW-F	K22178248		1-	B	e3
C 1209	CHIP CAP.	1.5pF	50V	CK	GRM36CK1R5C50PT	K22178203		1-	B	e3
C 1210	CHIP CAP.	10pF	50V	CH	UMK105CH100DW-F	K22178258		1-	B	e2
C 1211	CHIP CAP.	1pF	50V	CK	UMK105CK010CW-F	K22178248		1-	B	f3
C 1212	CHIP CAP.	33pF	50V	CH	UMK105CH330JW-F	K22178270		1-	B	f2
C 1214	CHIP CAP.	8pF	50V	CH	UMK105CH080DW-F	K22178256		1-	B	f3
C 1218	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f2
C 1220	CHIP CAP.	1uF	10V	F	GRM39F105Z10PT	K22105001		1-	B	c2
C 1221	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	B	d2
C 1222	CHIP CAP.	0.0082uF	16V	B	EMK105B822KW-F	K22128809		1-	B	c2
C 1223	CHIP CAP.	0.0082uF	16V	B	EMK105B822KW-F	K22128809		1-	B	c2
C 1224	CHIP CAP.	0.0027uF	50V	B	UMK105B272KW-F	K22178834		1-	B	d2
C 1226	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	d2
C 1227	CHIP TA.CAP.	22uF	6.3V		TEMSVA0J226M-8R	K78080047		1-	B	d3
C 1230	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	A	E3
C 1231	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	E2
C 1232	CHIP CAP.	4pF	50V	CH	UMK105CH040CW-F	K22178252		1-	A	E2
C 1233	CHIP CAP.	6pF	50V	CH	UMK105CH060DW-F	K22178254		1-	A	F2
C 1234	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	A	E2
C 1235	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	A	F2
C 1236	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	A3
C 1237	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A3
C 1238	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A4
C 1239	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A3
C 1240	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f4

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1241	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f4
C 1242	CHIP CAP.	56pF	50V	CH	UMK105CH560JW-F	K22178276		1-	B	f3
C 1243	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	f3
C 1244	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	f3
C 1246	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	f3
C 1248	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d3
C 1249	CHIP CAP.	0.015uF	50V	F	UMK105F153ZW-F	K22179018		1-	B	d2
C 1250	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B4
C 1251	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	B	d2
C 1252	CHIP CAP.	150pF	25V	CH	TMK105CH151JW-F	K22148242		1-	B	e2
C 1253	CHIP CAP.	560pF	50V	B	UMK105B561KW-F	K22178826		1-	B	e2
C 1254	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e4
C 1255	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A1
C 1256	CHIP CAP.	27pF	50V	CH	UMK105CH270JW-F	K22178268		1-	B	g3
C 1257	CHIP CAP.	27pF	50V	CH	UMK105CH270JW-F	K22178268		1-	B	g3
C 1259	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	g3
C 1260	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	A	B3
C 1261	CHIP CAP.	0.015uF	50V	F	UMK105F153ZW-F	K22179018		1-	B	e3
C 1262	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	B	e2
C 1263	CHIP CAP.	150pF	25V	CH	TMK105CH151JW-F	K22148242		1-	B	e3
C 1264	CHIP CAP.	560pF	50V	B	UMK105B561KW-F	K22178826		1-	B	e3
C 1265	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E2
C 1266	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E2
C 1267	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	g3
C 1268	CHIP CAP.	2pF	50V	CK	GRM36CK020C50PT	K22178204		1-	A	A3
C 1269	CHIP CAP.	1pF	50V	CK	GRM36CK010B50PT	K22178287		1-	B	g3
C 1270	CHIP CAP.	4pF	50V	CH	GRM39CH040C50PT	K22174205		1-	B	g4
C 1271	CHIP CAP.	1pF	50V	CK	GRM36CK010B50PT	K22178287		1-	B	g4
C 1272	CHIP CAP.	1pF	50V	CK	UMK105CK010CW-F	K22178248		1-	A	A4
C 1273	CHIP CAP.	5pF	50V	CH	GRM39CH050C50PT	K22174206		1-	B	g4
C 1276	CHIP CAP.	27pF	50V	CH	UMK105CH270JW-F	K22178268		1-	B	g4
C 1277	CHIP CAP.	15pF	50V	CH	UMK105CH150JW-F	K22178262		1-	B	g4
C 1279	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	F3
C 1280	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E2
C 1281	CHIP TA.CAP.	47uF	4V		SK7-0G476M-RA	K78060048		1-	A	E3
C 1283	CHIP CAP.	0.047uF	16V	B	GRM39B473K16PT	K22124804		1-	B	d3
C 1285	CHIP CAP.	1uF	10V	F	GRM39F105Z10PT	K22105001		1-	B	b3
C 1287	CHIP CAP.	0.47uF	10V	BJ	LMK107BJ474KA-T	K22104803		1-	A	B2
C 1289	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a1
C 1290	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a1
C 1291	CHIP CAP.	15pF	50V	CH	GRM39CH150J50PT	K22174215		1-	B	f3
C 1292	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B4
C 1293	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D2
C 1294	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D2
C 1295	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D2
C 1296	CHIP CAP.	1uF	6.3V	B	GRM39B105K6.3PT	K22084801		1-	A	B2
C 1297	CHIP CAP.	1uF	10V	F	GRM39F105Z10PT	K22105001		1-	A	C3
C 1299	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b1
C 1300	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a2
C 1301	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A1
C 1302	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A2
C 1303	CHIP CAP.	7pF	25V	CH	TMK105CH070D-F	K22148211		1-	B	f2
C 1304	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	d3
C 1305	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	C3
C 1307	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	B	b2
CD1001	CERAMIC DISC				JTBC450C7	H7901500		1-	B	a2
CF1001	CERAMIC FILTER				LTWC450G	H3900562		1-	B	b1
CF1002	CERAMIC FILTER				LTWC450F	H3900563		1-	B	a1
D 1001	DIODE				1SS400 TE61	G2070634		1-	B	a3
D 1002	DIODE				DA221 TL	G2070178		1-	A	A2
D 1003	DIODE				1SS400 TE61	G2070634		1-	B	e1
D 1004	DIODE				EDZ TE61 5.1B	G2070998		1-	A	B1
D 1005	DIODE				HSC277TRF	G2070584		1-	B	b3
D 1006	DIODE				HVC350B-TRF	G2070596		1-	B	b3
D 1007	DIODE				HSC277TRF	G2070584		1-	B	b3
D 1009	DIODE				HVC350B-TRF	G2070596		1-	B	a3
D 1010	DIODE				HVC350B-TRF	G2070596		1-	B	a3
D 1011	DIODE				DA221 TL	G2070178		1-	A	A1
D 1012	DIODE				DAN235E TL	G2070612		1-	B	d4
D 1013	DIODE				DA221 TL	G2070178		1-	B	a2
D 1015	DIODE				DAN222 TL	G2070174		1-	B	b1
D 1016	LED				19-215UYOC/S530-A2/TR8	G2070884		1-	A	D1
D 1017	LED				19-215UYOC/S530-A2/TR8	G2070884		1-	A	D1

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
D 1018	LED				19-215UYOC/S530-A2/TR8	G2070884		1-	A	E1
D 1019	LED				19-215UYOC/S530-A2/TR8	G2070884		1-	A	G3
D 1020	DIODE				1SS400 TE61	G2070634		1-	A	C3
D 1021	LED				CL-191WB-D(TAPE)	G2070952		1-	A	C3
D 1022	LED				19-215UYOC/S530-A2/TR8	G2070884		1-	A	G2
D 1023	LED				19-215UYOC/S530-A2/TR8	G2070884		1-	A	G2
D 1026	DIODE				DAN222 TL	G2070174		1-	B	a2
D 1027	LED				CL-165HR/YG-D-T	G2070860		1-	A	C3
D 1028	DIODE				DA221 TL	G2070178		1-	B	c1
D 1029	DIODE				HVC350B-TRF	G2070596		1-	B	e3
D 1031	DIODE				HVC350B-TRF	G2070596		1-	B	e3
D 1032	DIODE				HVC350B-TRF	G2070596		1-	B	f3
D 1033	DIODE				1SS400 TE61	G2070634		1-	B	f2
D 1034	DIODE				RLS135 TE-11	G2070128		1-	B	g3
D 1035	DIODE				1SS321 TE85R	G2070076		1-	A	A3
D 1036	DIODE				RLS135 TE-11	G2070128		1-	B	g3
D 1038	DIODE				DAN222 TL	G2070174		1-	B	d2
D 1039	DIODE				DA221 TL	G2070178		1-	B	d3
D 1040	DIODE				1SS400 TE61	G2070634		1-	A	F3
D 1041	DIODE				1SS400 TE61	G2070634		1-	A	F3
D 1042	DIODE				1SS400 TE61	G2070634		1-	A	E3
D 1043	DIODE				1SS400 TE61	G2070634		1-	A	E3
D 1044	DIODE				RB521S-30 TE61	G2070642		1-	A	A2
D 1045	DIODE				1SS400 TE61	G2070634		1-	A	F1
D 1046	DIODE				DA221 TL	G2070178		1-	B	a2
D 1047	DIODE				EDZ TE61 3.9B	G2071004		1-	B	a1
D 1048	DIODE				1SV323(TAPE)	G2071006		1-	B	f2
D 1049	DIODE				1SS400 TE61	G2070634		1-	A	C3
D 1050	SURGE ABSORBER				TVSF0805	Q9000807		1-	A	A3
D 1051	SURGE ABSORBER				TVSF0805	Q9000807		1-	A	B3
DS1001	LCD				AM008N	G6090158		1-	A	D2
F 1001	CHIP FUSE	3A			0434 003. 3.0A	Q0000107		1-	A	B1
FB1001	CHIP COIL				BLM10A121SPT	L1690843		1-	A	A3
FB1002	CHIP COIL				BLM10A121SPT	L1690843		1-	A	A2
FB1003	CHIP COIL				BLM10A121SPT	L1690843		1-	A	A2
FB1004	CHIP COIL				BLM10A121SPT	L1690843		1-	A	B2
FB1005	CHIP COIL				BLM10A121SPT	L1690843		1-	A	A3
J 1001	CONTACT				OG-503040	S5000243		1-	A	B2
J 1002	CONTACT				OG-503040	S5000243		1-	A	B2
J 1003	CONNECTOR				HSJ1594-010055	P1090896		1-	B	g2
J 1004	CONNECTOR				AXK6F10345YP	P0091378		1-	B	b1
J 1005	CONNECTOR				AXK6F10345YP	P0091378		1-	B	d1
L 1001	CHIP COIL	0.056uH			LQN21A56NG04	L1690978		1-	B	b3
L 1002	CHIP COIL	0.018uH			LQW1608A18NG00	L1690883		1-	B	b3
L 1003	M.RFC	0.1uH			TFL0816-100N	L1690981		1-	B	c3
L 1004	M.RFC	0.082uH			TFL0816-82N	L1690980		1-	B	d3
L 1005	M.RFC	0.047uH			TFL0816-47	L1690499		1-	B	e3
L 1006	COIL				E2 0.28-1.0-8TR	L0022423		1-	B	e3
L 1007	COIL				E2 0.25-1.9-8.5T-L	L0022611		1-	B	g3
L 1008	COIL				E2 0.28-1.0-4.5T-R	L0022395		1-	B	f4
L 1009	COIL				E2 0.45-1.4-4T-L	L0022391		1-	B	f3
L 1010	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	c1
L 1011	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	c1
L 1012	COIL				E2 0.45-1.4-4T-L	L0022391		1-	B	f3
L 1013	COIL				E2 0.35-1.6-4T-L	L0022456		1-	B	f4
L 1014	M.RFC	1uH			ELJ-ND1R0JF	L1690977		1-	B	e2
L 1015	M.RFC	0.1uH			TFL0816-100N	L1690981		1-	B	e2
L 1016	CHIP COIL	0.082uH			LQW1608A82NG00	L1690891		1-	B	e3
L 1017	CHIP COIL	0.082uH			LQW1608A82NG00	L1690891		1-	B	e3
L 1018	CHIP COIL	0.082uH			LQW1608A82NG00	L1690891		1-	B	e3
L 1019	M.RFC	150uH			FLC32T-151J	L1690229		1-	A	F2
L 1020	M.RFC	1uH			ELJ-ND1R0JF	L1690977		1-	B	g4
L 1021	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	B	f2
L 1022	CHIP COIL	0.082uH			LQW1608A82NG00	L1690891		1-	B	f3
L 1023	COIL				E2 0.3-1.7-7T-R	L0022372		1-	B	g3
L 1024	COIL				E2 0.25-1.9-5.5T-R	L0022610		1-	B	g3
L 1025	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	E1
L 1026	COIL				E2 0.3-1.7-7T-R	L0022372		1-	B	g4
L 1027	COIL				E2 0.35-1.6-7T-L	L0022390		1-	B	g4
MC1001	MIC. ELEMENT				EM-100PT	M3290029		1-	A	C1
Q 1001	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	a3
Q 1002	TRANSISTOR				DTA114TE TL	G3070264		1-	B	a3
Q 1003	TRANSISTOR				DTA114TE TL	G3070264		1-	A	A1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
Q 1004	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	A1
Q 1005	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	A2
Q 1006	TRANSISTOR				DTA144EE TL	G3070074		1-	B	f1
Q 1007	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	a4
Q 1008	IC				S-812C30AMC-C2K-T2	G1093670		1-	A	A1
Q 1009	TRANSISTOR				UMD2N TR	G3070076		1-	A	A3
Q 1010	IC				TDA2822D013TR	G1091542		1-	B	f2
Q 1011	FET				2SJ347 TE85R	G3703477		1-	B	f1
Q 1012	TRANSISTOR				2SC5231C9-TL	G3352318I		1-	B	c3
Q 1013	TRANSISTOR				2SC5374-TL	G3353748		1-	B	c3
Q 1014	TRANSISTOR				FMMTL718TA	G3070335		1-	A	A2
Q 1016	TRANSISTOR				2SC5374-TL	G3353748		1-	B	c4
Q 1017	IC				MB15A01PFV1-G-BND-EF	G1092545		1-	B	a3
Q 1019	TRANSISTOR				FMMTL718TA	G3070335		1-	B	g1
Q 1020	TRANSISTOR				UMW1 TR	G3070078		1-	B	g1
Q 1021	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	A2
Q 1022	TRANSISTOR				2SA1774 TL R	G3117748R		1-	A	A2
Q 1023	IC				BD4845FVE-TR	G1093784		1-	A	A1
Q 1024	TRANSISTOR				2SC5374-TL	G3353748		1-	B	d4
Q 1025	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	g1
Q 1028	TRANSISTOR				UMW1 TR	G3070078		1-	B	g1
Q 1029	TRANSISTOR				DTA143XE TL	G3070093		1-	B	g1
Q 1030	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	A1
Q 1031	TRANSISTOR				FMMTL618TA	G3070334		1-	A	F1
Q 1032	TRANSISTOR				2SC5226-5-TL	G3352268E		1-	B	d4
Q 1033	IC				M62364FP 600D	G1093033		1-	A	B2
Q 1034	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	C3
Q 1035	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	B3
Q 1036	FET				2SK3074(TE12L)	G3830748		1-	B	e3
Q 1037	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	a1
Q 1038	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	a1
Q 1039	IC				NJM2591V-TE1	G1094024		1-	B	b1
Q 1040	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	a2
Q 1041	TRANSISTOR				DTC144EE TL	G3070075		1-	B	a1
Q 1042	FET				2SJ364-R(TX)	G3703648R		1-	B	b2
Q 1043	FET				2SJ364-R(TX)	G3703648R		1-	B	d3
Q 1044	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	C3
Q 1045	FET				RD07MVS1(TAPE)	G3070320		1-	A	C3
Q 1046	TRANSISTOR				2SC4400-4-TL	G3344008D		1-	B	d1
Q 1047	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	b2
Q 1048	FET				2SJ364-R(TX)	G3703648R		1-	B	c3
Q 1048	FET				2SJ347 TE85R	G3703477		4-	B	c3
Q 1049	FET				2SJ364-R(TX)	G3703648R		1-	B	d3
Q 1050	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d3
Q 1052	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	c2
Q 1053	IC				CD4094BPWR	G1093866		1-	A	C2
Q 1054	FET				3SK320(TE85L)	G4803208		1-	B	e2
Q 1055	TRANSISTOR				2SC5374-TL	G3353748		1-	A	F2
Q 1058	TRANSISTOR				2SC5006-T1	G3350068		1-	B	f2
Q 1059	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e2
Q 1060	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d2
Q 1061	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d2
Q 1062	IC				LM2904PWR	G1094010		1-	A	A4
Q 1063	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d2
Q 1064	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e3
Q 1066	IC				HD64F2266TF13	※		1-	A	D2
Q 1067	IC				AT24C128N-10SI-2.7	G1093516		1-	A	F3
Q 1074	IC				LM2902PWR	G1094009		1-	B	d2
Q 1075	IC				LM2904PWR	G1094010		1-	B	c2
Q 1076	IC				LM2902PWR	G1094009		1-	B	f1
Q 1078	IC				LM2904PWR	G1094010		1-	B	c3
Q 1079	IC				LM2904PWR	G1094010		1-	A	C2
Q 1080	TRANSISTOR				DTC144EE TL	G3070075		1-	B	b4
R 1001	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	B1
R 1002	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	B1
R 1003	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	a3
R 1004	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A1
R 1005	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	A2
R 1006	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	A1
R 1007	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	e1
R 1008	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	e1
R 1009	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e2
R 1010	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1

※: Please contact Vertex Standard

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1011	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	f1
R 1012	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f1
R 1013	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	f1
R 1014	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e1
R 1015	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	e1
R 1016	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b3
R 1017	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c3
R 1018	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b3
R 1019	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	b3
R 1020	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		1-	B	b3
R 1021	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 1022	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 1023	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b4
R 1024	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	B1
R 1025	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b4
R 1026	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b4
R 1027	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b3
R 1028	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	a3
R 1029	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A2
R 1030	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		1-	B	g2
R 1031	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		1-	B	g2
R 1032	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	B	f1
R 1033	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f1
R 1034	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	f1
R 1035	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	f1
R 1036	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	e1
R 1037	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	B	f1
R 1038	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f1
R 1039	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1040	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c3
R 1041	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	b3
R 1042	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b3
R 1043	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	b3
R 1044	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	c3
R 1045	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c4
R 1046	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a4
R 1047	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	a3
R 1048	CHIP RES.	1.2k	1/16W	5%	RMC1/16S 122JTH	J24189026		1-	B	b4
R 1049	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	b3
R 1050	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a3
R 1051	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a3
R 1052	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a3
R 1053	CHIP RES.	15k	1/16W	0.5%	MCR01MZPD1502	J24189376		1-	B	g1
R 1053	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	B	g1
R 1054	CHIP RES.	22k	1/16W	0.5%	MCR01MZPD2202	J24189378		1-	B	g1
R 1055	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	B	g1
R 1055	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	g1
R 1056	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A2
R 1057	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A2
R 1058	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f2
R 1059	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f2
R 1060	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	E2
R 1061	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	f1
R 1062	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	f1
R 1064	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	f1
R 1066	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f1
R 1067	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f2
R 1068	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c4
R 1069	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c4
R 1070	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c4
R 1071	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b3
R 1072	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	b4
R 1073	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	a3
R 1074	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	a3
R 1075	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	a3
R 1076	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	a3
R 1078	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a3
R 1079	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	a3
R 1080	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a3
R 1081	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	a3
R 1082	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	a3
R 1084	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	A	E3
R 1085	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1086	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	g1
R 1087	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	A	E3
R 1088	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	A	E3
R 1089	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	A	E3
R 1090	CHIP RES.	68k	1/16W	0.5%	MCR01MZPD6802	J24189384		1-	A	E3
R 1092	CHIP RES.	2.2	1/4W	5%	RMC1/4 2R2JATP	J24245229		1-	A	A2
R 1093	CHIP RES.	2.2	1/4W	5%	RMC1/4 2R2JATP	J24245229		1-	A	A2
R 1094	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	A1
R 1096	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f2
R 1097	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f2
R 1098	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	B	f2
R 1099	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d4
R 1100	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	a3
R 1101	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g1
R 1102	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	g1
R 1103	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 1105	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	A1
R 1107	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	f2
R 1108	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	f2
R 1111	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f2
R 1112	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d4
R 1113	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 1114	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 1115	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g1
R 1116	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g1
R 1117	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	a2
R 1121	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1	A	A1
R 1122	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	A1
R 1123	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	A1
R 1127	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	B2
R 1128	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F1
R 1129	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D1
R 1130	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D1
R 1131	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	E1
R 1132	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F1
R 1133	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F1
R 1134	CHIP RES.	4.7	1/4W	5%	RMC1/4 4R7JATP	J24245479		1-	A	F1
R 1135	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F1
R 1136	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F1
R 1139	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	e3
R 1140	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 1141	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	d3
R 1142	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	d3
R 1143	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		1-	B	d4
R 1144	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	d3
R 1145	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b1
R 1146	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b1
R 1147	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a1
R 1148	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b2
R 1149	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	a2
R 1150	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	a2
R 1151	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a2
R 1152	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	a2
R 1153	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b2
R 1154	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	a2
R 1155	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b2
R 1156	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B2
R 1157	CHIP RES.	220k	1/16W	0.5%	MCR01MZPD2203	J24189389		1-	A	C1
R 1158	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B2
R 1159	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	A	B1
R 1161	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B1
R 1162	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	A	C2
R 1163	CHIP RES.	470k	1/16W	0.5%	MCR01MZPD4703	J24189332		1-	A	C1
R 1164	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B2
R 1165	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B2
R 1166	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C3
R 1167	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	A	C3
R 1168	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	e3
R 1169	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	e3
R 1170	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e3
R 1171	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a1
R 1172	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 1173	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a1

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1174	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	a1
R 1175	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	a1
R 1176	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	a1
R 1177	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a1
R 1178	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a2
R 1179	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 1180	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b2
R 1181	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b2
R 1182	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b2
R 1184	CHIP RES.	270k	1/16W	0.5%	MCR01MZPD2703	J24189329		1-	A	C2
R 1185	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	A	C2
R 1186	CHIP RES.	120	1/16W	5%	RMC1/16S 121JTH	J24189014		1-	A	B3
R 1187	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	C3
R 1188	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f4
R 1189	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f4
R 1190	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	e4
R 1191	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B4
R 1193	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	c1
R 1194	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c1
R 1195	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	d1
R 1196	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	e1
R 1197	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	b2
R 1198	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	b2
R 1199	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	b2
R 1200	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b2
R 1201	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	d3
R 1202	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	d3
R 1203	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	d3
R 1204	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c3
R 1205	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	d3
R 1208	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B3
R 1209	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	B3
R 1210	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B3
R 1211	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e2
R 1212	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	e2
R 1213	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 1214	CHIP RES.	82	1/16W	5%	RMC1/16S 820JTH	J24189012		1-	B	e2
R 1215	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	b2
R 1216	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	b2
R 1217	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	B	b2
R 1218	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b2
R 1219	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c2
R 1220	CHIP RES.	33k	1/16W	0.5%	MCR01MZPD3302	J24189380		1-	B	d3
R 1221	CHIP RES.	33k	1/16W	0.5%	MCR01MZPD3302	J24189380		1-	B	c3
R 1222	CHIP RES.	680	1/16W	0.5%	MCR01MZPD6800	J24189360		1-	B	d3
R 1223	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	d3
R 1224	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	c3
R 1225	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	B	d3
R 1226	CHIP RES.	470k	1/16W	0.5%	MCR01MZPD4703	J24189332		1-	B	c3
R 1227	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d1
R 1228	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d1
R 1229	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	C3
R 1230	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B4
R 1231	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B4
R 1232	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e2
R 1234	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	e2
R 1237	CHIP RES.	22k	1/16W	0.5%	MCR01MZPD2202	J24189378		1-	B	c3
R 1238	CHIP RES.	10k	1/16W	0.5%	MCR01MZPD1002	J24189374		1-	B	c3
R 1239	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F2
R 1241	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	A4
R 1242	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	A4
R 1243	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e2
R 1244	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e2
R 1245	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	f3
R 1250	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	d2
R 1251	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c2
R 1252	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d2
R 1253	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	c2
R 1254	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d2
R 1255	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	B	c2
R 1256	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c3
R 1257	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d2
R 1258	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	d3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1259	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d2
R 1260	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1261	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1262	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	F2
R 1263	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1264	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1265	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1266	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1267	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1268	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1269	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1270	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1271	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1272	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	A3
R 1273	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	A3
R 1274	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	f4
R 1275	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	f4
R 1276	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f3
R 1277	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	f3
R 1278	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f3
R 1279	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	d2
R 1280	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d3
R 1281	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	d2
R 1282	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	d2
R 1283	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d2
R 1284	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d2
R 1285	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E3
R 1286	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E3
R 1287	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1288	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1289	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1290	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1291	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1292	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1293	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1294	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1295	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1296	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1297	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1298	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E2
R 1299	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D2
R 1300	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D2
R 1301	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D2
R 1302	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E1
R 1305	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	A	A3
R 1308	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c2
R 1309	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e2
R 1310	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d2
R 1311	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e2
R 1312	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e2
R 1313	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1314	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1315	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1316	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1317	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1321	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	E2
R 1322	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	A	A4
R 1323	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	B3
R 1325	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c2
R 1327	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	d3
R 1328	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c2
R 1329	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c2
R 1330	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d2
R 1332	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d2
R 1333	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d3
R 1334	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E3
R 1335	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E3
R 1336	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E3
R 1337	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F3
R 1338	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	f1
R 1339	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f1
R 1340	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f1
R 1341	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	f2

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1342	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	B2
R 1343	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E2
R 1344	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	a2
R 1345	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a1
R 1346	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	f2
R 1347	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	D1
R 1348	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A2
R 1349	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b4
R 1350	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C3
R 1351	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	d3
R 1352	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C3
R 1353	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-		
RB1001	BLOCK RES.	10k			SR4E103JT	J42900027		1-	A	E2
RB1002	BLOCK RES.	20k			SR4E203JT	J42900028		1-	A	E2
RB1003	BLOCK RES.	10k			SR4E103JT	J42900027		1-	A	D3
RB1004	BLOCK RES.	20k			SR4E203JT	J42900028		1-	A	D3
S 1001	TACT SWITCH				SKQTLA	N5090110		1-	B	g4
S 1002	TACT SWITCH				SKQTLA	N5090110		1-	B	e4
TH1001	THERMISTOR				ERTJ1VV473J	G9090122		1-	B	a3
TH1002	THERMISTOR				ERTJ1VV473J	G9090122		1-	A	E3
VR1001	POT.				TP76N00N 20KA/SW	J60800236		1-	B	h1
X 1001	XR0021250000T0051123	21.25MHz			21.25MHZ	H0103303		1-	B	a3
X 1002	XTAL XPFEGC	3.579545MHz			3.579545MHZ	H0103304		1-	A	F2
XF1001	XTAL FILTER				UM-5J 21R15AB	H1102374		1-	B	e1
XF1002	XTAL FILTER				UM-5J 21R15AB	H1102374		1-	B	e2
	SPRING CONNECTOR					R0152490		1-	B	g3
	MIC HOLDER RUBBER					RA0578200		1-		
	LIGHT GUIDE				LCD	RA0589000		1-		
	REFLECTOR SHEET					RA0589100		1-		
	INTER CONNECTOR					RA0589200		1-		
	DOUBLE FACE TAPE				9*26	RA0613100		1-		

MAIN Unit

Note

STANDARD HORIZON

Marine Division of VERTEX STANDARD

US Headquarters

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