



FT-250R

Technical Supplement

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Introduction

This manual provides the technical information necessary for servicing the **FT-250R** VHF FM Transceiver.

Servicing this equipment requires expertise in handling surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

While we believe the information in this manual to be correct, VERTEX STANDARD assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Important Note

The transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

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Specifications

GENERAL

| | |
|----------------------------------|--|
| Frequency coverage (MHz): | RX: 136 to 174 TX: 144 to 146 (148) |
| Channel steps: | 5, 10, 12.5, 15, 20, 25 & 50 kHz |
| Frequency Stability: | ±5 ppm @ 14° to 140° F (-10° to +60° C) |
| Standard repeater shift: | 600 kHz |
| Emission type: | F2D, F3E |
| Supply voltage: | Nominal: 7.2 V DC, Negative Ground Operating: 6.0 to 16.0 VDC, Negative Ground (EXT DC Jack) |
| Current consumption: | Receive: 150 mA; Standby, Saver off : 38 mA Standby, Saver on : 23 mA Auto Power Off : 8 mA Transmit (HIGH) : 1.3 A; (MID) : 900 mA; (LOW) : 500 mA; |
| Operating Temperature: | -4° to 140° F (-20 °C to +60 °C) |
| Case size (WHD): | 2.3" (W) x 4.3" (H) x 1.1" (D) (58 x 108.5 x 26.5 mm) (w/o knob & antenna) |
| Weight (approx.): | 11.5 Oz (325g) w/FNB-83, Antenna and BeltClip |

RECEIVER

| | |
|--------------------------------------|--|
| Circuit type: | Double-conversion superheterodyne |
| Intermediate Frequency: | 1 st : 21.7 MHz 2 nd : 450 kHz |
| Sensitivity: | 0.16 µV for 12 dB SINAD |
| Adjacent channel selectivity: | 65 dB |
| Intermodulation: | 65 dB |
| Audio output: | 0.7 W @16 ohms for 10% THD (@7.4V) Internal Speaker 0.4 W @8 ohms for 10% THD (@7.4V) External Jack |

TRANSMITTER

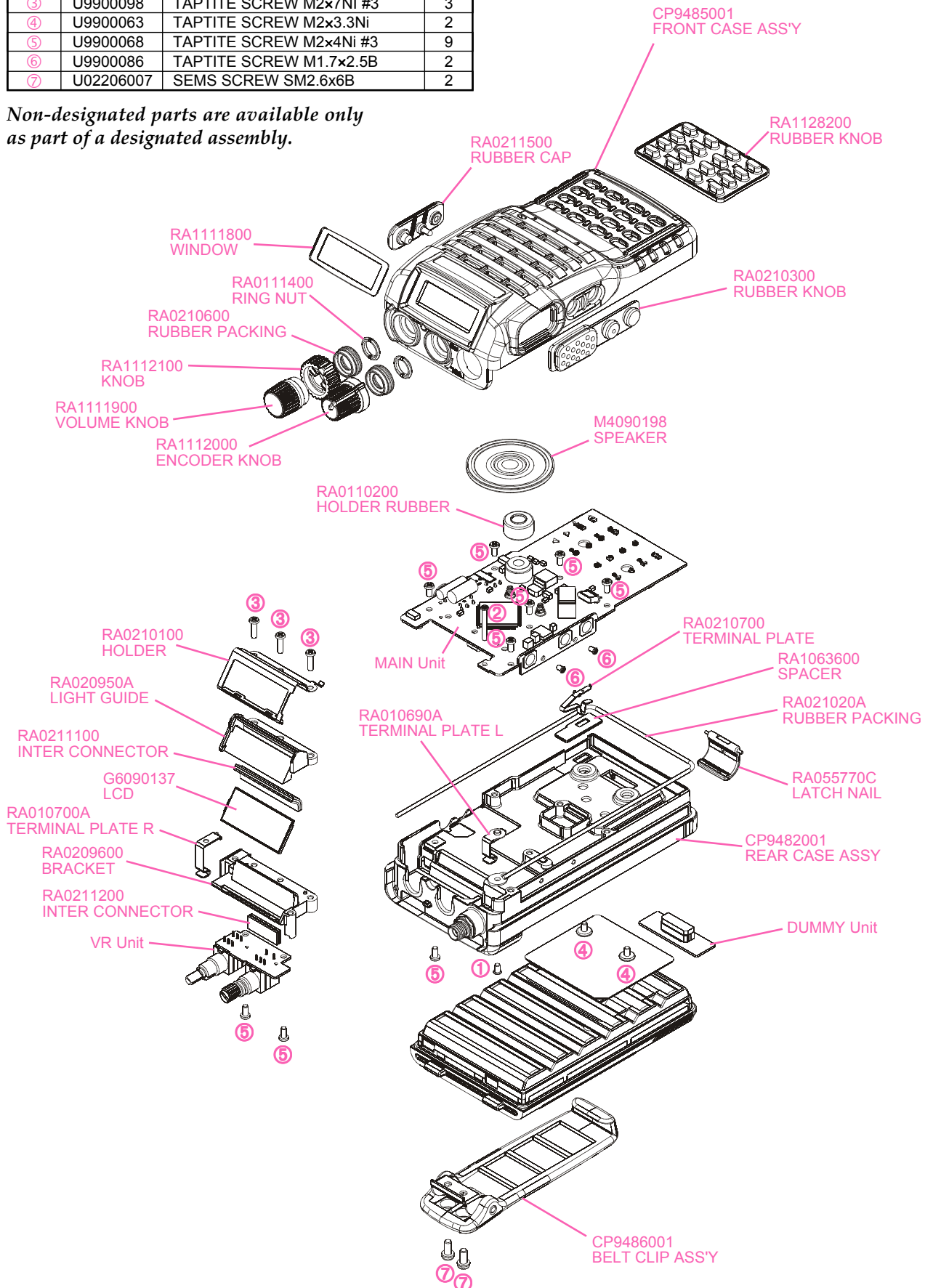
| | |
|----------------------------|--|
| Power output: | 5.0 W (High) / 2.0 W (Middle) / 0.5 W (Low) (@7.2 V) |
| Modulation system: | variable reactance |
| Maximum deviation: | ±5 kHz |
| Spurious emissions: | At least 60 dB below |
| Microphone type: | 2-kilohm condenser |

Specifications are subject to change without notice, and are guaranteed within the 144 MHz amateur band only. Frequency ranges will vary according to transceiver version; check with your dealer.

Exploded View & Miscellaneous Parts

| REF. | VXSTD P/N | Description | Qty. |
|------|-----------|-----------------------------|------|
| ① | U07230102 | PAN HEAD SCREW M2x3NI #1 | 1 |
| ② | U9900101 | PAN HEAD SCREW M1.7x14NI #2 | 1 |
| ③ | U9900098 | TAPTITE SCREW M2x7NI #3 | 3 |
| ④ | U9900063 | TAPTITE SCREW M2x3.3Ni | 2 |
| ⑤ | U9900068 | TAPTITE SCREW M2x4Ni #3 | 9 |
| ⑥ | U9900086 | TAPTITE SCREW M1.7x2.5B | 2 |
| ⑦ | U02206007 | SEMS SCREW SM2.6x6B | 2 |

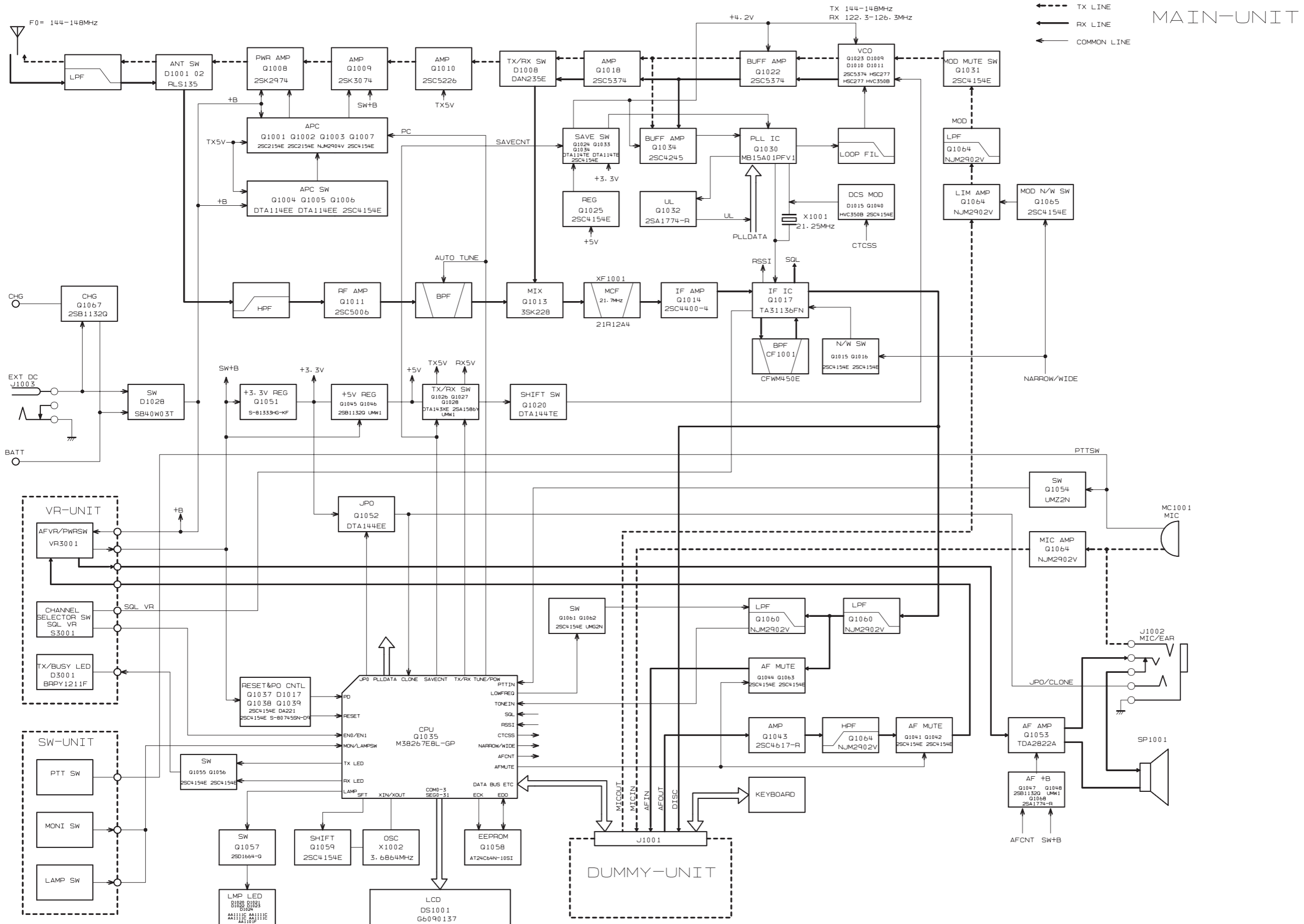
Non-designated parts are available only as part of a designated assembly.



Exploded View & Miscellaneous Parts

Note

Block Diagram



Block Diagram

Note:

Receive Signal Path

Incoming RF from the antenna jack is delivered to the RF Unit and passes through a low-pass filter and high-pass filter consisting of coils L1001, L1002, L1003, L1004, L1014 & L1015, capacitors C1001, C1002, C1003, C1004, C1006, C1007, C1042, C1044, C1045, C1046 & C1047, and antenna switching diode **D1001 (RLS135)**.

Signals within the frequency range of the transceiver are then amplified by **Q1011 (2SC5006)** and enter a varactor-tuned band-pass filter consisting of coils L1016, L1017 & L1018, capacitors C1049, C1050, C1051, C1052, C1053, C1054, C1056, C1057, C1058, C1059, C1060, C1061, C1062 & C1063, and diodes **D1004, D1005 & D1006 (all HVC350B)** before delivery to the first mixer, **Q1013 (3SK296ZQ)**.

Buffered output from the VCO is amplified by **Q1018 (2SC5374)** to provide a pure first local signal between 122.3 and 126.3 MHz according to the transceiver version and the programmed receiving frequency for injection to the first mixer Q1013. The 21.7 MHz first mixer product then passes through monolithic crystal filter XF1001 (21R12A4, 6 kHz BW) to strip away unwanted mixer products, and the IF signal is then amplified by **Q1014 (2SC4400)**.

The amplified first IF signal is applied to FM IF subsystem IC **Q1017 (TA31136FN)**, which contains the second mixer, limiter amplifier, noise amplifier, and S-meter amplifier.

A second local signal is generated by the reference oscillator section of the PLL subsystem IC **Q1030 (MB15A01PFV1)** using 21.25 MHz crystal X1001; a 450 kHz second IF is produced when this signal is mixed with the first IF signal within Q1017.

The second IF then passes through the main selectivity element, ceramic filter **CF1001 (CFWM450E)** to strip away all but the desired signal; it is then applied to the limiter amplifier in Q1017, which removes amplitude variations in the 450kHz IF, before detection of the speech by the ceramic discriminator **CD1001 (JTBM450CX24)**.

Detected audio from Q1017 is applied to a low-pass filter consisting of capacitors C1208, C1209 & C1210, resistors R1320, R1321, R1322, R1323 & R1324, and **Q1060 (NJM2902V)**, then passes through the audio mute gate **Q1044** and **Q1063 (both 2SC4081)** to the buffer amplifier **Q1043 (2SC4617)**; it is then passed through the de-emphasis network consisting of capacitor C1057 and resistor R1208 to a high-pass filter consisting of capacitors C1058, C1059 & C1060, resistors R1209 & R1210, and **Q1064 (NJM2902V)**.

The processed audio passes through the another audio mute gate **Q1041** and **Q1042 (both 2SC4081)** to the volume control potentiometer VR3001 on the VR Unit, then is delivered to the audio amplifier **Q1053 (DTA2822L)**, which provides up to 0.5 Watt to the headphone jack or an 8-W loudspeaker.

Squelch Control

The squelch circuitry consists of a noise amplifier, band-pass filter, noise detector & noise comparator within **Q1017**, audio control gate **Q1041, Q1042, Q1044, Q1063 (all 2SC4081)**, microprocessor **Q1035 (M3826AEFGP)**, and squelch controller S3001 on the VR Unit.

When no carrier received, noise at the output of the detector stage in Q1017 is amplified and band-pass filtered by the noise amplifier section of Q1017 and the network between pins 7 and 8, and then rectified by the noise detector section of Q1017. The resulting DC squelch control voltage outputs at pin 13 of Q1017, then it is passed to pin 4 of the microprocessor Q1035.

If no carrier is received, this signal causes pins 44 and 47 of Q1035 to go "Low" and pin 54 to go "High." Pin 47 disables the supply voltage to the audio amplifier **Q1053 (TDA2822L)**, and pin 54 activates the audio control gates Q1041, Q1042, Q1044, Q1063, Q1049 and Q1050. Thus, the microprocessor Q1035 blocks output from the audio amplifier, and silences the receiver, while no signal is being received (and during transmission, as well). Meanwhile, pin 44 signals **Q1056 (2SC4081)** to hold the green (Busy) half of the LED **D3001 (BRPY1211F)** on the VR Unit off.

When a carrier appears at the discriminator, noise is removed from the output, causing pin 4 of Q1035 to go "low" and the microprocessor to activate the audio amplifier, audio mute gate, and "Busy" LED.

The microprocessor then checks for CTCSS or CDCSS code squelch information, if enabled, or for DTMF data on the optional DTMF Unit. If not transmitting and CTCSS or CDCSS is not activated, or if the received tone or code matches that programmed, the microprocessor stops scanning (if active) and allows audio to pass through the audio amplifier Q1053 to the loudspeaker by enabling the supply voltage to it via **Q1047 (2SB1132Q)**, **Q1048 (UMW1)**.

Circuit Description

Transmit Signal Path

Speech input from the microphone is amplified by **Q1064 (NJM2902V)**, then filtered and sent to any installed optional signaling unit. The audio which returns from the optional unit then is passed to the pre-emphasis network.

The processed audio may then be mixed with a CTCSS tone generated by the microprocessor **Q1035 (M3826AEFGP)**; it is then delivered to **D1010 (HSC277)** for frequency modulation of the PLL carrier (up to ± 5 kHz from the unmodulated carrier) at the transmitting frequency.

If an external microphone is used, PTT switching is controlled by **Q1054 (UMZ2N)**, which signals the microprocessor Q1035 when the impedance at the microphone jack drops.

If a CDCSS code is enabled for transmission, the code is generated by microprocessor Q1035 and delivered to **D1015 (HVC350B)** for CDCSS modulating.

If DTMF is enabled for transmission, the tone is generated by the microprocessor Q1035 and applied to the splatter filter section in place of the speech audio. Also, the tone is amplified for monitoring in the loudspeaker.

The modulated signal from the VCO **Q1023 (2SC5374)** is buffered by **Q1022** and **Q1018** (both **2SC5374**). The low-level transmit signal is amplified by **Q1010 (2SC5226-5)** and **Q1009 (2SK3074)**; it is then applied to the final amplifier **Q1008 (RD07MVS1A)**, which provides up to 5 watts output power.

The transmit signal then passes through the antenna switch **D1001 (RLS135)** and is low-pass filtered to suppress harmonic spurious radiation before delivery to the antenna.

Automatic Transmit Power Control

Drain current of the final amplifier **Q1008 (RD07MVS1A)** is sampled by R1028 and R1035. The resulting DC is fed back through the APC amplifier **Q1003 (NJM2904V)** to the driver amplifier **Q1009 (2SK3074)** and final amplifier Q1008, for control of the power output.

The microprocessor selects either “High” or “Low” power levels.

Transmit Inhibit

When the PLL is unlocked, pin 7 of PLL subsystem IC **Q1030 (MB15A01PFV1)** goes to a logic “Low.” The resulting DC unlock control voltage is passed through the inversion amplifier **Q1032 (2SA1774)** to pin 8 of the microprocessor Q1035. While the PLL is unlocked, pin 15 of Q1035 remains “Low,” disabling the gate voltages of driver amplifier **Q1009 (2SK3074)** and final amplifier **Q1008 (RD07MVS1A)**, thereby disabling the transmitter.

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 transmit VCO. Additional harmonic suppression is provided by a low-pass filter consisting of coils L1001, L1002, L1003, L1006, L1007 & L1008 and capacitors C1001, C1002, C1003, C1004, C1006, C1007, C1019, C1020, C1021 & C1022, resulting in more than 60 dB of harmonic suppression prior to delivery to the antenna.

PLL Frequency Synthesizer

The PLL circuitry on the Main Unit consists of VCO **Q1023 (2SC5374)**, VCO buffers **Q1022** and **Q1019** (both **2SC5374**), and PLL subsystem IC **Q1030 (MB15A01PFV1)**, which contains a reference divider, serial-to-parallel data latch, programmable divider, phase comparator, and charge pump.

Stability is maintained by a regulated 3.3 V supply provided via **Q1051 (S-812C33AUA)** and 21.25 MHz reference frequency crystal X1001, as well as the reference oscillator’s temperature compensating thermistor and capacitors.

While receiving, VCO Q1023 oscillates between 122.3 and 126.3 MHz according to the transceiver version and the programmed receiving frequency. The VCO output is buffered by Q1022 and Q1019, then applied to the prescaler section of Q1030. There the VCO signal is divided by 64 or 65, according to a control signal from the data latch section of Q1030, before being sent to the programmable divider section of Q1030.

The data latch section of Q1030 also receives serial dividing data from the microprocessor, Q1035, 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 kHz or 6.25 kHz derivative of the current VCO frequency.

Meanwhile, the reference divider section of Q1030 divides the 21.25 MHz crystal reference X1001, by 4250 (or 3400) to produce the 5 kHz (or 6.25 kHz) loop reference (respectively).

The 5 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 Q1030, 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 **D1011 (HVC350B)**. Changes in the level of the DC voltage applied to the varactor affect 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 Q1023, after buffering by Q1022 and amplification by Q1018, is applied to the first mixer as described previously.

For transmission, the VCO Q1023 oscillates between 144 and 148 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 **D1010 (HSC277)**, as described previously.

Receive and transmit buses select which VCO is made active by **Q1020 (DTA144TE)**. When the power saving feature is active, the microprocessor **Q1035 (M3826AEFGP)** periodically signals switches the **Q1033 (DTA114TE)** and **Q1034 (2SC4081)** for the PLL subsystem IC Q1030 to conserve power and shortens the lock-up time.

Miscellaneous Circuits

Push-To-Talk Transmit Activation

The PTT switch is connected to pin 28 of microprocessor **Q1035 (M3826AEFGP)**, so that when the PTT switch is closed, pin 6 of Q1035 goes "High." This signals the microprocessor to activate the TX/RX controller **Q1028 (UMW1)**, which then disables the receiver by disabling the 5 V supply bus at **Q1026 (DTA143XE)** to the front-end, FM IF subsystem IC **Q1017 (TA31136FN)**.

At the same time, **Q1027 (2SA1586Y)** activates the transmit 5V supply line to enable the transmitter.

Alignment

Introduction

The **FT-250R** is carefully aligned at the factory for the specified performance across the amateur band. Realignment should therefore not be necessary except in the event of a component failure. Only an authorized Vertex Standard representative should perform all component replacement and service, or the warranty policy may be void.

The following procedures cover the adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts subsequently 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 Vertex Standard service technicians who are experienced with the circuitry and fully equipped for repair and alignment. If a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized Vertex Standard 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, Vertex Standard reserves 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 realignment determined to be absolutely necessary.

Required Test Equipment

The following test equipment (and familiarity with its 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.

- RF Signal Generator with calibrated output level at 200 MHz
- Deviation Meter (linear detector)
- In-line Wattmeter with 5% accuracy at 200 MHz
- 50-Ohm 10-W RF Dummy Load
- 8-Ohm AF Dummy Load
- Regulated DC Power Supply adjustable from 3 to 16.5 VDC, 2A
- Frequency Counter: 0.2-ppm accuracy at 200 MHz
- AF Signal Generator
- AC Voltmeter
- DC Voltmeter: high impedance
- VHF Sampling Coupler
- SINAD Meter

Alignment Preparation & Precautions

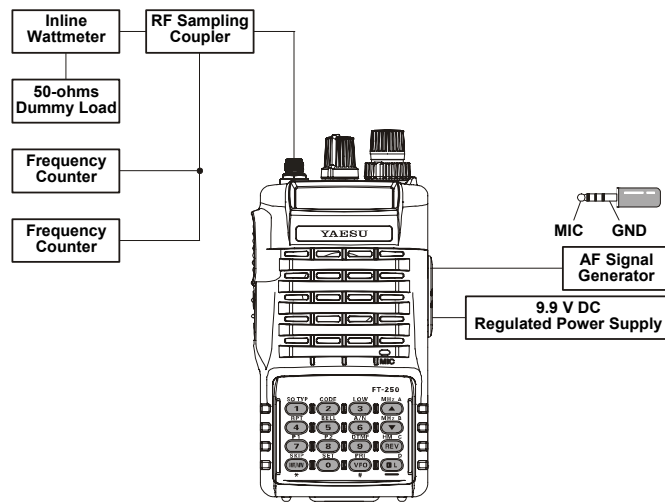
A 50-Ohm RF load and in-line wattmeter must be connected to the main antenna jack in all procedures that call for transmission; alignment is not possible with an antenna. After completing one step, read the next step to see if the same test equipment is required. If not, remove the test equipment (except 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 68 ~ 86° F (20° ~ 30° C). When the transceiver is brought into the shop from hot or cold air, it should be allowed some time to come to room temperature before alignment. Whenever 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.

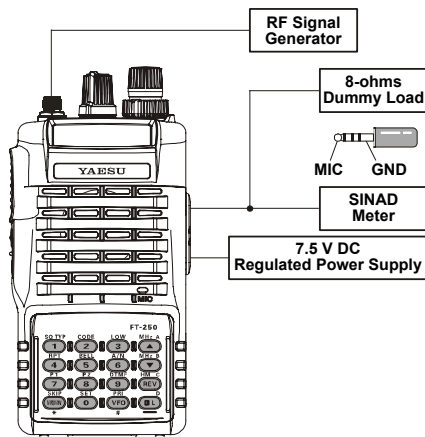
Note: Signal levels in dB referred to in the alignment procedure are based on 0dB μ = 0.5 μ V.

Test Setup

Set up the test equipment as shown below for transceiver alignment, and supply 7.5 V DC power to the transceiver.



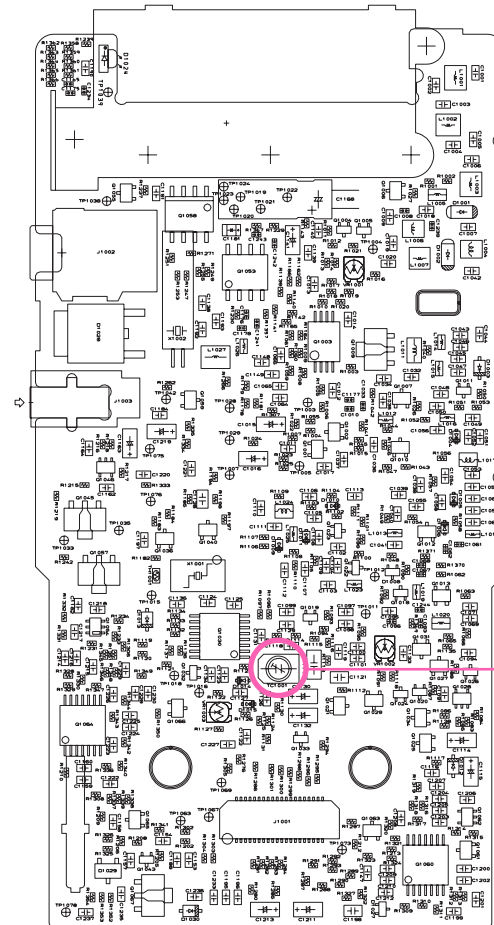
“TX SECTION” ALIGNMENT SETUP



“RX SECTION” ALIGNMENT SETUP

PLL Reference Frequency

- With the wattmeter, dummy load and frequency counter connected to the antenna jack, select 146 MHz, key the transmitter, and adjust **TC1001** on the Main Unit, if necessary, so the counter frequency is within 100 Hz of 146 MHz.



TC1001

CTCSS Deviation Adjustment

- Activate the CTCSS encoder with a 107.2-Hz tone.
- Transmit, and press and hold in the [LAMP] key.
- Rotate the DIAL so as to achieve a 0.7 kHz (± 0.05 kHz) reading (narrow: 0.5 kHz) on the deviation meter.

DCS Deviation Adjustment

- Activate the DCS encoder/decoder with an 023 code.
- Transmit, and press and hold in the [LAMP] key.
- Rotate the DIAL so as to achieve a 0.7 kHz (± 0.05 kHz) reading (narrow: 0.5 kHz) on the deviation meter.

Transmitter Total Deviation

- Select 146 MHz, and adjust the AF generator attenuator for 80-mV output at 1 kHz to the microphone jack.
- Key the transmitter, and adjust VR1002 on the Main Unit for ± 4.2 kHz deviation on the deviation meter (± 100 Hz).

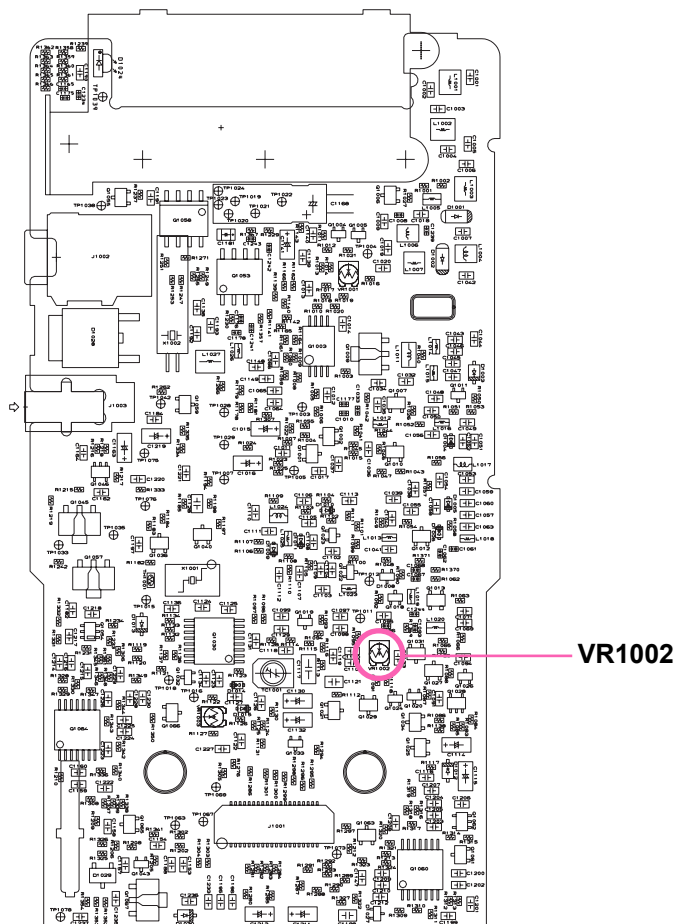
DC Voltmeter

- Set the power supply voltage to 9.6 V.
- Press and hold in the [LAMP] and [REV] key.

Receiver

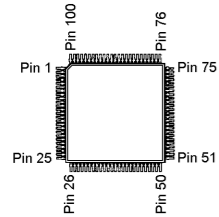
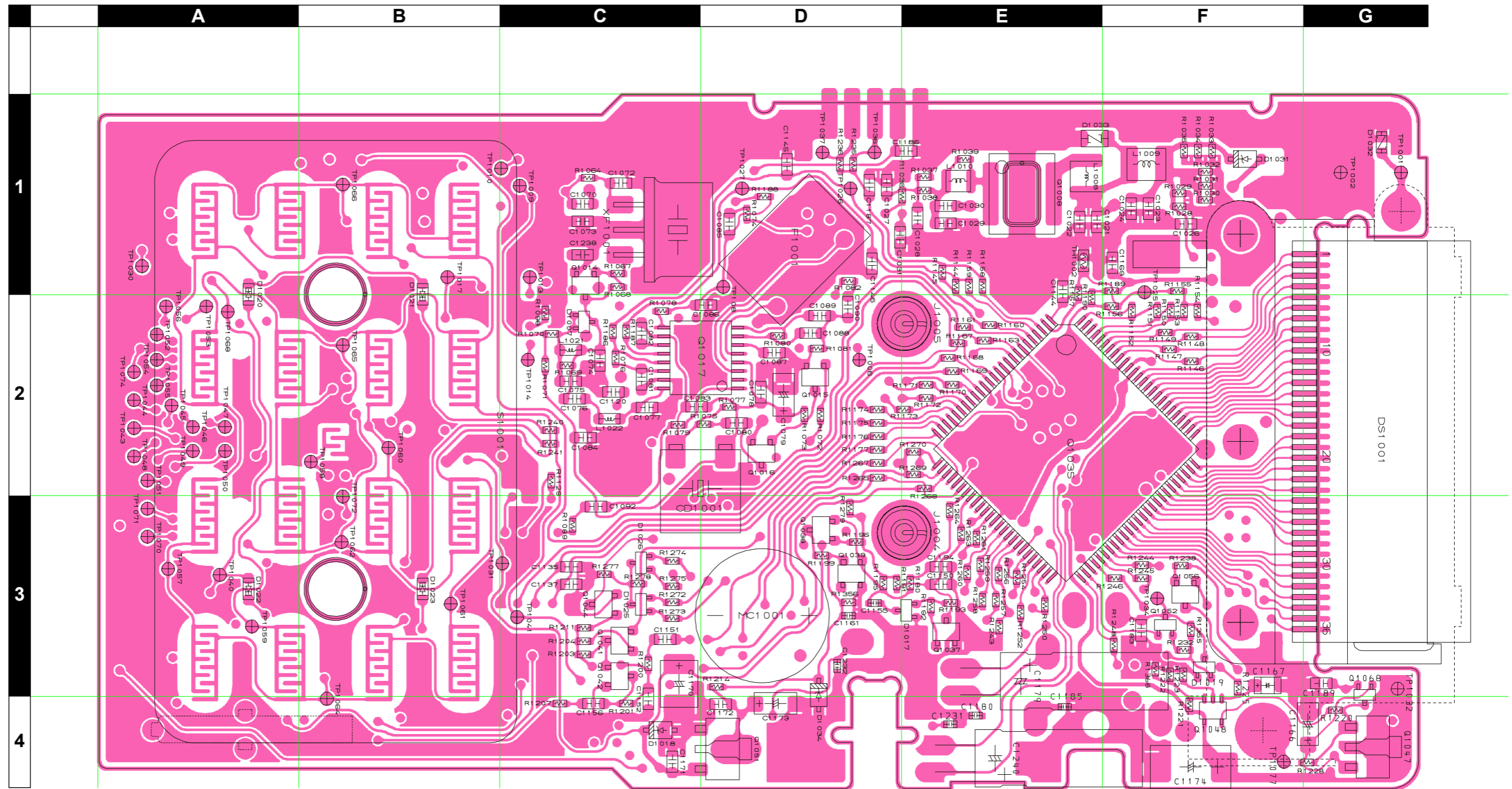
Sensitivity

With 146 MHz selected, tune the RF signal generator to the same frequency, and set the generator level to -8 dB μ , and confirm about 12dB SINAD on the SINAD Meter.

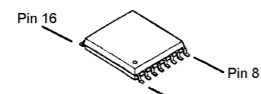


Alignment

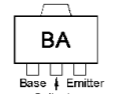
Note:



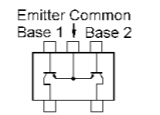
M3826AEFGP (Q1035)



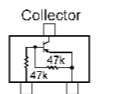
TA31136FN (Q1017)



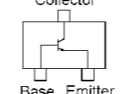
2SB1132 (BA) (Q1063, 1078)



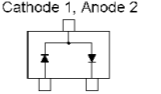
UMW1 (W1) (Q1048)



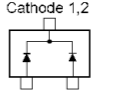
DTA144EE (16) (Q1052)



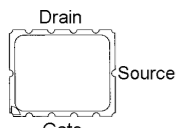
2SC4081 (Q1015, 1016, 1037, 1038, 1041, 1042, 1044, 1056)
2SC4400 (Q1014)



DA221 (K) (D1007, 1017, 1019)



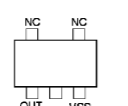
DAN222 (N) (D1025, 1026)



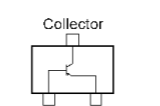
RD07MVS1A (Q1008)



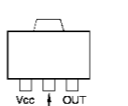
2SB1132Q (Q1047)



S-80835CNNB (Q1039)



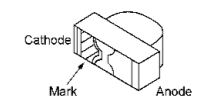
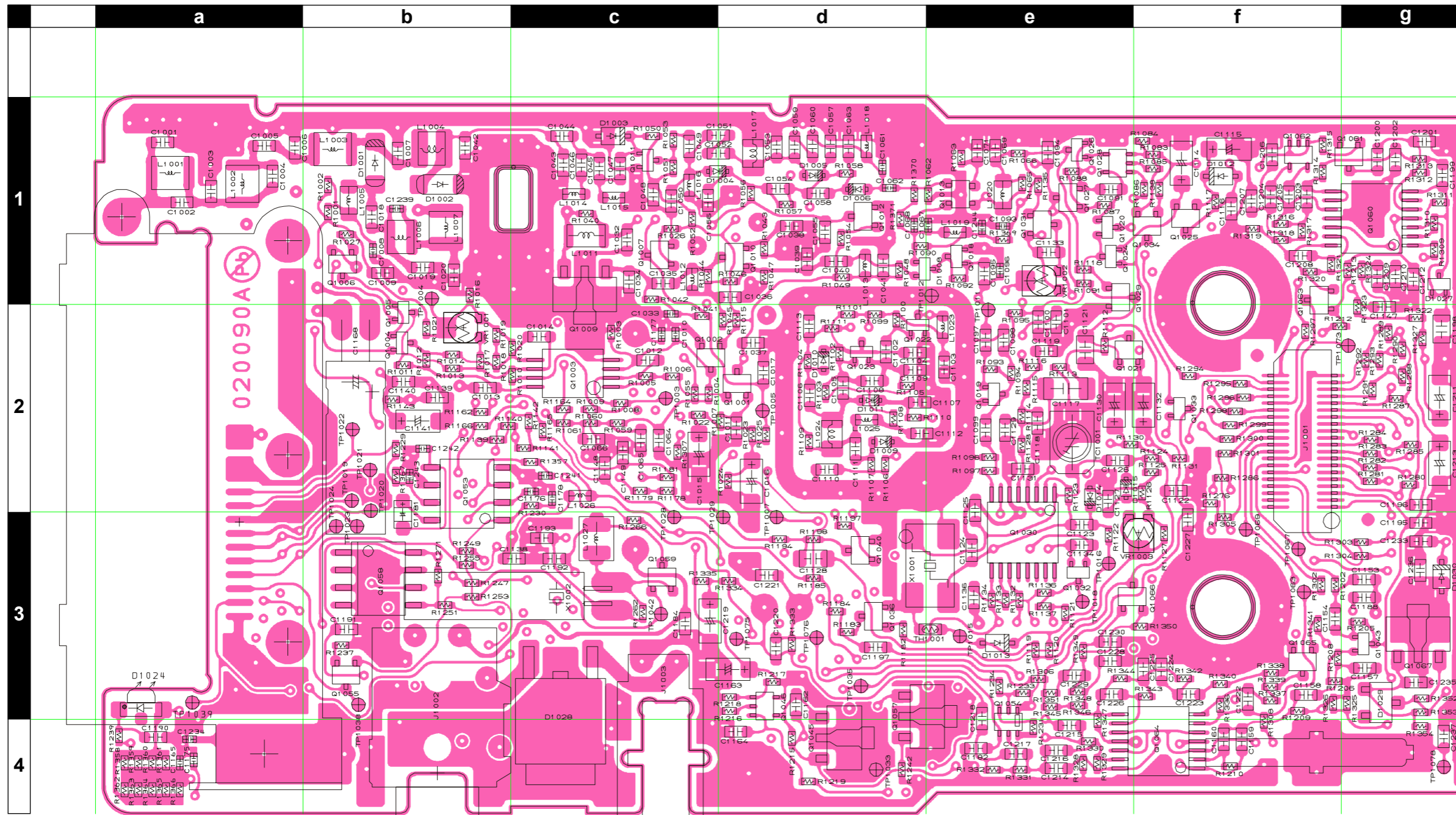
2SA1774 (FR) (Q1068)



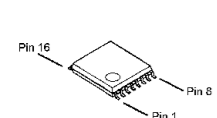
S-812C33AUA-C2N-T2 (Q1051)

MAIN Unit

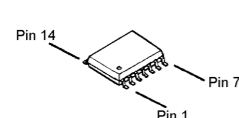
Parts Layout (Side B)



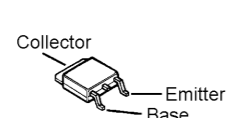
AA1101F
(D1024)



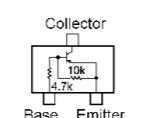
MB15A01PFV1
(Q1030)



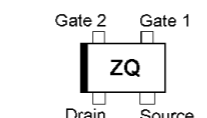
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(Q1060, 1064)



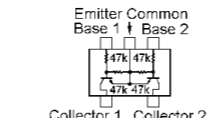
2SB1132Q
(Q1045, 1067)



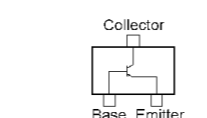
DTA143XE
(Q1026)



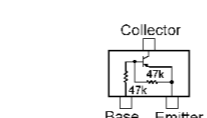
3SK296ZQ (ZQ)
(Q1013)



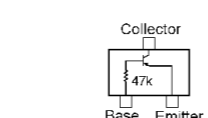
UMG2N
(Q1062)



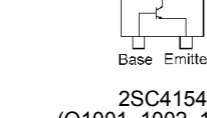
2SA1586Y (Q1027)
2SA1774 (FR) (Q1032)



DTA114EE (14)
(Q1004, 1005)



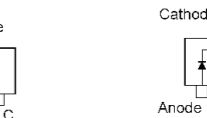
DTA144TE (96)
(Q1020)



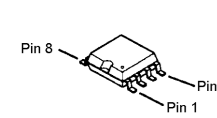
2SC4154
(Q1001, 1002, 1006,
1007, 1025, 1031,
1034, 1036, 1040,
1055, 1059, 1061,
1063, 1065)



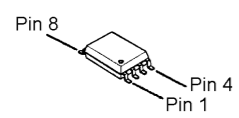
02CZ2.0X (2.0X)
(D1029)



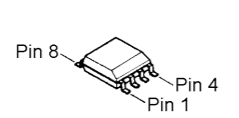
DA221 (K)
(D1027)



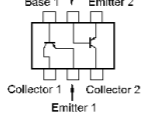
BR24L64F
(Q1058)



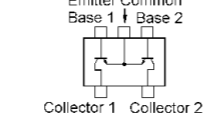
NJM2904V
(Q1003)



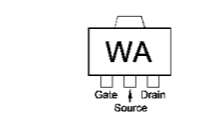
TDA2822D
(Q1053)



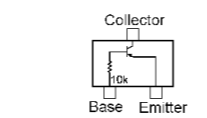
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(Q1054)



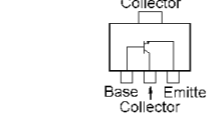
UMW1 (W1)
(Q1028, 1046)



2SK3074 (WA)
(Q1009)



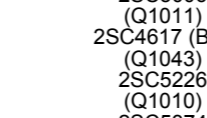
DTA114TE (94)
(Q1024, 1033)



2SD1664 (DA)
(Q1057)



2SC5006 (Q1011)
2SC4617 (BR) (Q1043)
2SC5226 (Q1010)
2SC5374 (Q1018, 1019, 1022,
1023)



SB40W03T
(D1028)



DAN235E (M)
(D1008)

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|-----------------------|--------------|---------|-----|------|--------------------|-----------|---------|--------|------|---------|
| PCB with Components | | | | | | CS2034401 | VX-250R | USA A2 | | |
| | | | | | | CS2034404 | VX-250R | EXP B3 | | |
| | | | | | | CS2034405 | VX-250R | EXP A1 | | |
| | | | | | | CS2034406 | VX-250R | EXP A3 | | |
| Printed Circuit Board | | | | | | FR020090A | | | | |
| C 1001 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | a1 |
| C 1002 | CHIP CAP. | 5pF | 50V | CH | GRM1882C1H5R0CZ01D | K22174206 | | 1- | B | a1 |
| C 1003 | CHIP CAP. | 22pF | 50V | CH | GRM1882C1H220JA01D | K22174219 | | 1- | B | a1 |
| C 1004 | CHIP CAP. | 4pF | 50V | CH | GRM1882C1H4R0CZ01D | K22174205 | | 1- | B | a1 |
| C 1005 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | a1 |
| C 1006 | CHIP CAP. | 22pF | 50V | CH | GRM1882C1H220JA01D | K22174219 | | 1- | B | a1 |
| C 1007 | CHIP CAP. | 27pF | 50V | CH | GRM1882C1H270JA01D | K22174221 | | 1- | B | b1 |
| C 1008 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | b1 |
| C 1009 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | b1 |
| C 1010 | CHIP CAP. | 0.047uF | 10V | B | GRM155B11A473KA01D | K22108801 | | 1- | B | c2 |
| C 1011 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1012 | CHIP CAP. | 100pF | 50V | CH | GRM1882C1H101JA01D | K22174235 | | 1- | B | c2 |
| C 1013 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | B | b2 |
| C 1014 | CHIP CAP. | 100pF | 50V | CH | GRM1882C1H101JA01D | K22174235 | | 1- | B | c2 |
| C 1016 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | d2 |
| C 1017 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1018 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | b1 |
| C 1019 | CHIP CAP. | 10pF | 50V | CH | GRM1882C1H100JA01D | K22174211 | | 1- | B | b1 |
| C 1020 | CHIP CAP. | 12pF | 50V | CH | GRM1882C1H120JA01D | K22174213 | | 1- | B | b1 |
| C 1021 | CHIP CAP. | 33pF | 50V | CH | GRM1882C1H330JA01D | K22174223 | | 1- | A | E1 |
| C 1022 | CHIP CAP. | 47pF | 50V | CH | GRM1882C1H470JA01D | K22174227 | | 1- | A | E1 |
| C 1023 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | A | F1 |
| C 1024 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | F1 |
| C 1026 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | F1 |
| C 1027 | CHIP CAP. | 0.047uF | 25V | B | GRM188B11E473KA01D | K22144811 | | 1- | A | D1 |
| C 1028 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | E1 |
| C 1029 | CHIP CAP. | 100pF | 50V | CH | GRM1882C1H101JA01D | K22174235 | | 1 | A | E1 |
| C 1029 | CHIP CAP. | 82pF | 50V | CH | GRM1882C1H820JA01D | K22174233 | | 2- | A | E1 |
| C 1030 | CHIP CAP. | 33pF | 50V | CH | GRM1882C1H330JA01D | K22174223 | | 1- | A | E1 |
| C 1032 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | c1 |
| C 1033 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | c2 |
| C 1034 | CHIP CAP. | 33pF | 50V | CH | GRM1882C1H330JA01D | K22174223 | | 1- | B | c1 |
| C 1035 | CHIP CAP. | 33pF | 50V | CH | GRM1882C1H330JA01D | K22174223 | | 1- | B | c1 |
| C 1036 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d1 |
| C 1037 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1038 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d1 |
| C 1039 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | d1 |
| C 1040 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | d1 |
| C 1041 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d1 |
| C 1042 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | b1 |
| C 1044 | CHIP CAP. | 18pF | 50V | CH | GRM1882C1H180JA01D | K22174217 | | 1- | B | c1 |
| C 1045 | CHIP CAP. | 10pF | 50V | CH | GRM1882C1H100JA01D | K22174211 | | 1- | B | c1 |
| C 1046 | CHIP CAP. | 47pF | 50V | CH | GRM1882C1H470JA01D | K22174227 | | 1- | B | c1 |
| C 1047 | CHIP CAP. | 56pF | 50V | CH | GRM1882C1H560JA01D | K22174229 | | 1- | B | c1 |
| C 1048 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | c1 |
| C 1049 | CHIP CAP. | 8pF | 50V | CH | GRM1882C1H8R0DZ01D | K22174209 | | 1- | B | c1 |
| C 1050 | CHIP CAP. | 1pF | 50V | CK | GRM1884C1H1R0BZ01D | K22174267 | | 1- | B | c1 |
| C 1051 | CHIP CAP. | 0.75pF | 50V | CK | GRM1884C1HR75BZ01D | K22174266 | | 1- | B | c1 |
| C 1052 | CHIP CAP. | 0.75pF | 50V | CK | GRM1884C1HR75BZ01D | K22174266 | | 1- | B | c1 |
| C 1053 | CHIP CAP. | 1pF | 50V | CK | GRM1884C1H1R0BZ01D | K22174267 | | 1- | B | d1 |
| C 1054 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | d1 |
| C 1055 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d1 |
| C 1056 | CHIP CAP. | 39pF | 50V | CH | GRM1882C1H390JA01D | K22174225 | | 1- | B | c1 |
| C 1057 | CHIP CAP. | 39pF | 50V | CH | GRM1882C1H390JA01D | K22174225 | | 1- | B | d1 |
| C 1058 | CHIP CAP. | 8pF | 50V | CH | GRM1882C1H8R0DZ01D | K22174209 | | 1- | B | d1 |
| C 1059 | CHIP CAP. | 1pF | 50V | CK | GRM1884C1H1R0BZ01D | K22174267 | | 1- | B | d1 |
| C 1060 | CHIP CAP. | 1pF | 50V | CK | GRM1884C1H1R0BZ01D | K22174267 | | 1- | B | d1 |
| C 1061 | CHIP CAP. | 1.5pF | 50V | CK | GRM1554C1H1R5BZ01D | K22178288 | | 1- | B | d1 |
| C 1062 | CHIP CAP. | 33pF | 50V | CH | GRM1552C1H330JZ01D | K22178224 | | 1- | B | d1 |
| C 1063 | CHIP CAP. | 39pF | 50V | CH | GRM1882C1H390JA01D | K22174225 | | 1- | B | d1 |
| C 1064 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | B | c2 |
| C 1065 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | B | c2 |
| C 1066 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | B | c2 |
| C 1067 | CHIP CAP. | 10pF | 50V | CH | GRM1552C1H100BZ01D | K22178297 | | 1- | B | d1 |
| C 1068 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | d1 |
| C 1069 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | e1 |
| C 1070 | CHIP CAP. | 56pF | 50V | CH | GRM1882C1H560JA01D | K22174229 | | 1- | A | C1 |
| C 1071 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | e1 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 1073 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | C1 |
| C 1074 | CHIP CAP. | 43pF | 50V | CH | GRM1882C1H430JZ01D | K22174226 | | 1- | A | C2 |
| C 1075 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | A | C2 |
| C 1076 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | C2 |
| C 1077 | CHIP CAP. | 39pF | 50V | CH | GRM1882C1H390JA01D | K22174225 | | 1- | A | C2 |
| C 1078 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | A | D2 |
| C 1079 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | A | D2 |
| C 1080 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | A | D2 |
| C 1081 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | A | C2 |
| C 1082 | CHIP CAP. | 56pF | 50V | CH | GRM1882C1H560JA01D | K22174229 | | 1- | A | C2 |
| C 1083 | CHIP CAP. | 56pF | 50V | CH | GRM1882C1H560JA01D | K22174229 | | 1- | A | C2 |
| C 1084 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | C2 |
| C 1085 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | D1 |
| C 1086 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | D2 |
| C 1087 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | A | D2 |
| C 1088 | CHIP CAP. | 220pF | 50V | CH | GRM1882C1H221JA01D | K22174243 | | 1- | A | D2 |
| C 1089 | CHIP CAP. | 220pF | 50V | CH | GRM1882C1H221JA01D | K22174243 | | 1- | A | D2 |
| C 1090 | CHIP CAP. | 220pF | 50V | CH | GRM1882C1H221JA01D | K22174243 | | 1- | A | D2 |
| C 1091 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | B | e1 |
| C 1092 | CHIP CAP. | 100pF | 50V | CH | GRM1882C1H101JA01D | K22174235 | | 1- | A | C3 |
| C 1093 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | e1 |
| C 1094 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e1 |
| C 1095 | CHIP CAP. | 5pF | 50V | CH | GRM1882C1H5R0CZ01D | K22174206 | | 1- | B | e1 |
| C 1096 | CHIP CAP. | 5pF | 50V | CH | GRM1552C1H5R0BZ01D | K22178292 | | 1- | B | e1 |
| C 1097 | CHIP CAP. | 5pF | 50V | CH | GRM1882C1H5R0CZ01D | K22174206 | | 1- | B | e2 |
| C 1098 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e2 |
| C 1099 | CHIP CAP. | 47pF | 50V | CH | GRM1882C1H470JA01D | K22174227 | | 1- | B | e2 |
| C 1100 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e2 |
| C 1101 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e2 |
| C 1102 | CHIP CAP. | 1.5pF | 50V | CK | GRM1884C1H1R5CZ01D | K22174258 | | 1- | B | d2 |
| C 1103 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e2 |
| C 1104 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1105 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | d2 |
| C 1106 | CHIP CAP. | 0.5pF | 50V | CK | GRM1884C1HR50BZ01D | K22174265 | | 1- | B | d2 |
| C 1107 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1108 | CHIP CAP. | 15pF | 50V | CH | GRM1882C1H150JA01D | K22174215 | | 1- | B | d2 |
| C 1109 | CHIP CAP. | 18pF | 50V | CH | GRM1882C1H180JA01D | K22174217 | | 1- | B | d2 |
| C 1110 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1111 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1112 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1113 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d2 |
| C 1114 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | f1 |
| C 1115 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | f1 |
| C 1116 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | f1 |
| C 1117 | CHIP CAP. | 4.7uF | 10V | BJ | LMK316BJ475ML-T | K22101802 | | 1- | B | e2 |
| C 1118 | CHIP CAP. | 0.22uF | 10V | B | GRM188B11A224KA01D | K22104801 | | 1- | B | e2 |
| C 1119 | CHIP CAP. | 0.22uF | 10V | B | GRM188B11A224KA01D | K22104801 | | 1- | B | e2 |
| C 1122 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | f2 |
| C 1123 | CHIP CAP. | 27pF | 50V | CH | GRM1882C1H270JA01D | K22174221 | | 1- | B | e3 |
| C 1124 | CHIP CAP. | 12pF | 50V | CH | GRM1882C1H120JA01D | K22174213 | | 1- | B | e3 |
| C 1125 | CHIP CAP. | 9pF | 50V | CH | GRM1882C1H9R0DZ01D | K22174210 | | 1- | B | e2 |
| C 1126 | CHIP CAP. | 18pF | 50V | CH | GRM1882C1H180JA01D | K22174217 | | 1- | B | e2 |
| C 1127 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e2 |
| C 1128 | CHIP CAP. | 1uF | 10V | B | GRM21BB11A105KA01L | K22100802 | | 1- | B | d3 |
| C 1129 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | e2 |
| C 1130 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | e2 |
| C 1131 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e2 |
| C 1132 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | f2 |
| C 1133 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e1 |
| C 1134 | CHIP CAP. | 0.047uF | 25V | B | GRM188B11E473KA01D | K22144811 | | 1- | B | e3 |
| C 1135 | CHIP CAP. | 47pF | 50V | CH | GRM1882C1H470JA01D | K22174227 | | 1- | A | C3 |
| C 1136 | CHIP CAP. | 47pF | 50V | CH | GRM1882C1H470JA01D | K22174227 | | 1- | B | e3 |
| C 1137 | CHIP CAP. | 47pF | 50V | CH | GRM1882C1H470JA01D | K22174227 | | 1- | A | C3 |
| C 1138 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | b3 |
| C 1139 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | b2 |
| C 1140 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | b2 |
| C 1141 | CHIP TA.CAP. | 47uF | 6.3V | | TEESVA0J476M8R | K78080085 | | 1- | B | b2 |
| C 1144 | CHIP CAP. | 0.022uF | 50V | B | GRM188B11H223KA01D | K22174839 | | 1- | A | E1 |
| C 1146 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | A | D1 |
| C 1147 | CHIP CAP. | 0.0068uF | 50V | B | GRM188B11H682KA01D | K22174834 | | 1- | B | g2 |
| C 1148 | CHIP CAP. | 0.0047uF | 50V | B | ECJ1VB1H472K | K22179622 | | 1- | B | c2 |
| C 1149 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | c2 |
| C 1150 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | A | E3 |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 1151 | CHIP CAP. | 0.022uF | 50V | B | GRM188B11H223KA01D | K22174839 | | 1- | A | C3 |
| C 1152 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | C4 |
| C 1153 | CHIP CAP. | 220pF | 50V | CH | GRM1882C1H221JA01D | K22174243 | | 1- | B | g3 |
| C 1154 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | f3 |
| C 1155 | CHIP CAP. | 0.1uF | 10V | B | GRM155B11A104KA01D | K22108802 | | 1- | A | D3 |
| C 1156 | CHIP CAP. | 0.1uF | 16V | B | GRM188B11C104KA01D | K22124805 | | 1- | A | C4 |
| C 1157 | CHIP CAP. | 0.047uF | 25V | B | GRM188B11E473KA01D | K22144811 | | 1- | B | g3 |
| C 1158 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | f3 |
| C 1159 | CHIP CAP. | 0.0047uF | 50V | B | ECJ1VB1H472K | K22179622 | | 1- | B | f4 |
| C 1160 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | f4 |
| C 1161 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | A | D3 |
| C 1163 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | d3 |
| C 1164 | CHIP CAP. | 0.22uF | 10V | B | GRM188B11A224KA01D | K22104801 | | 1- | B | d4 |
| C 1165 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | a4 |
| C 1166 | CHIP TA.CAP. | 4.7uF | 20V | | TEESVA1D475M8R | K78130048 | | 1- | A | G4 |
| C 1167 | CHIP TA.CAP. | 10uF | 6.3V | | TEESVP0J106M8R | K78080055 | | 1- | A | F3 |
| C 1168 | AL.ELECTRO.CAP. | 47uF | 25V | | UVR1E470MDD6 47UF | K40149046 | | 1- | B | b2 |
| C 1169 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | F1 |
| C 1170 | CHIP TA.CAP. | 47uF | 6.3V | | TEESVB20J476M8R | K78080048 | | 1- | A | C3 |
| C 1171 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | C4 |
| C 1172 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | D4 |
| C 1173 | CHIP TA.CAP. | 4.7uF | 20V | | TEESVA1D475M8R | K78130048 | | 1- | A | D4 |
| C 1174 | CHIP TA.CAP. | 100uF | 10V | | TEESVC1A107M12R | K78100075 | | 1- | A | F4 |
| C 1175 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | a4 |
| C 1176 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | c2 |
| C 1177 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | c2 |
| C 1178 | CHIP CAP. | 0.1uF | 10V | B | GRM155B11A104KA01D | K22108802 | | 1- | B | c2 |
| C 1179 | AL.ELECTRO.CAP. | 100uF | 10V | | UVR1A101MDD6 100UF | K40109028 | | 1- | A | E3 |
| C 1180 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | A | E4 |
| C 1181 | CHIP TA.CAP. | 10uF | 6.3V | | TEESVP0J106M8R | K78080055 | | 1- | B | b3 |
| C 1183 | CHIP CAP. | 100pF | 50V | CH | GRM1882C1H101JA01D | K22174235 | | 1- | A | F3 |
| C 1184 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | c3 |
| C 1185 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | A | E4 |
| C 1187 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | D1 |
| C 1188 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g3 |
| C 1189 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | G3 |
| C 1190 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | a4 |
| C 1191 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | b3 |
| C 1192 | CHIP CAP. | 10pF | 50V | CH | GRM1882C1H100JA01D | K22174211 | | 1- | B | c3 |
| C 1193 | CHIP CAP. | 10pF | 50V | CH | GRM1882C1H100JA01D | K22174211 | | 1- | B | c3 |
| C 1194 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | E3 |
| C 1195 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g3 |
| C 1196 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g2 |
| C 1197 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | d3 |
| C 1198 | CHIP CAP. | 0.47uF | 25V | B | GRM21BB11E474KC01L | K22140824 | | 1- | B | g2 |
| C 1199 | CHIP CAP. | 0.0068uF | 50V | B | GRM188B11H682KA01D | K22174834 | | 1- | B | g1 |
| C 1200 | CHIP CAP. | 330pF | 50V | B | GRM188B11H331KD01D | K22174820 | | 1- | B | g1 |
| C 1201 | CHIP CAP. | 330pF | 50V | B | GRM188B11H331KD01D | K22174820 | | 1- | B | g1 |
| C 1202 | CHIP CAP. | 0.022uF | 50V | B | GRM188B11H223KA01D | K22174839 | | 1- | B | g1 |
| C 1203 | CHIP CAP. | 0.0047uF | 50V | B | ECJ1VB1H472K | K22179622 | | 1- | B | f1 |
| C 1204 | CHIP CAP. | 0.0068uF | 50V | B | GRM188B11H682KA01D | K22174834 | | 1- | B | f1 |
| C 1205 | CHIP CAP. | 330pF | 50V | B | GRM188B11H331KD01D | K22174820 | | 1- | B | f1 |
| C 1206 | CHIP CAP. | 680pF | 50V | B | ECUV1H681KBV | K22179612 | | 1- | B | f1 |
| C 1207 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | f1 |
| C 1208 | CHIP CAP. | 68pF | 50V | CH | GRM1882C1H680JA01D | K22174231 | | 1- | B | f1 |
| C 1209 | CHIP CAP. | 0.0033uF | 50V | B | ECJ1VB1H332K | K22179620 | | 1- | B | g1 |
| C 1210 | CHIP CAP. | 0.0047uF | 50V | B | ECJ1VB1H472K | K22179622 | | 1- | B | g1 |
| C 1211 | CHIP TA.CAP. | 4.7uF | 16V | | TEESVA1C475M8R | K78120031 | | 1- | B | g2 |
| C 1212 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g1 |
| C 1213 | CHIP TA.CAP. | 10uF | 10V | | TEESVA1A106M8R | K78100028 | | 1- | B | g2 |
| C 1214 | CHIP CAP. | 470pF | 50V | B | ECUV1H471KBV | K22179610 | | 1- | B | e4 |
| C 1215 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | e4 |
| C 1216 | CHIP CAP. | 0.022uF | 50V | B | GRM188B11H223KA01D | K22174839 | | 1- | B | e4 |
| C 1217 | CHIP CAP. | 0.022uF | 50V | B | GRM188B11H223KA01D | K22174839 | | 1- | B | e4 |
| C 1218 | CHIP CAP. | 0.01uF | 50V | B | GRM188B11H103KA01D | K22174823 | | 1- | B | e3 |
| C 1219 | CHIP TA.CAP. | 4.7uF | 16V | | TEESVA1C475M8R | K78120031 | | 1- | B | c3 |
| C 1220 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d3 |
| C 1221 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | d3 |
| C 1222 | CHIP CAP. | 22pF | 50V | CH | GRM1882C1H220JA01D | K22174219 | | 1- | B | f3 |
| C 1223 | CHIP CAP. | 0.22uF | 10V | B | GRM188B11A224KA01D | K22104801 | | 1- | B | f3 |
| C 1224 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | f3 |
| C 1225 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | f3 |
| C 1226 | CHIP CAP. | 39pF | 50V | CH | GRM1882C1H390JA01D | K22174225 | | 1- | B | e3 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|---------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1231 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | A | E4 |
| C 1232 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | A | D3 |
| C 1233 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g3 |
| C 1234 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | a4 |
| C 1235 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g3 |
| C 1236 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | B | g3 |
| C 1238 | CHIP CAP. | 0.001uF | 50V | B | GRM188B11H102KA01D | K22174821 | | 1- | A | C1 |
| C 1240 | AL.ELECTRO.CAP. | 100uF | 10V | | UVR1A101MDD6 100UF | K40109028 | | 1- | A | E4 |
| C 1241 | CHIP CAP. | 0.1uF | 10V | B | GRM155B11A104KA01D | K22108802 | | 1- | B | c2 |
| C 1242 | CHIP CAP. | 0.1uF | 10V | B | GRM155B11A104KA01D | K22108802 | | 1- | B | b2 |
| C 1243 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | b2 |
| C 1244 | CHIP CAP. | 0.001uF | 50V | B | GRM155B11H102KA01D | K22178809 | | 1- | B | e1 |
| CD1001 | CERAMIC DISC | | | | JTBM450CX24 | H7901530 | | 1- | A | C2 |
| D 1001 | DIODE | | | | RLS135 TE-11 | G2070128 | | 1- | B | b1 |
| D 1002 | DIODE | | | | RLS135 TE-11 | G2070128 | | 1- | B | b1 |
| D 1003 | DIODE | | | | 1SS355 TE-17 | G2070470 | | 1- | B | c1 |
| D 1004 | DIODE | | | | HVC350B-TRF-E | G2070596 | | 1- | B | c1 |
| D 1005 | DIODE | | | | HVC350B-TRF-E | G2070596 | | 1- | B | d1 |
| D 1006 | DIODE | | | | HVC350B-TRF-E | G2070596 | | 1- | B | d1 |
| D 1007 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | C2 |
| D 1008 | DIODE | | | | DAN235E TL | G2070612 | | 1- | B | d1 |
| D 1009 | DIODE | | | | HSC277TRF-E | G2070584 | | 1- | B | d2 |
| D 1010 | DIODE | | | | HSC277TRF-E | G2070584 | | 1- | B | d2 |
| D 1011 | DIODE | | | | HVC350B-TRF-E | G2070596 | | 1- | B | d2 |
| D 1012 | DIODE | | | | 1SS355 TE-17 | G2070470 | | 1- | B | f1 |
| D 1013 | DIODE | | | | 1SS355 TE-17 | G2070470 | | 1- | B | e3 |
| D 1014 | DIODE | | | | HVC350B-TRF-E | G2070596 | | 1- | B | e2 |
| D 1015 | DIODE | | | | HVC350B-TRF-E | G2070596 | | 1- | B | e2 |
| D 1017 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | E3 |
| D 1018 | DIODE | | | | HZU5ALL-TRF-E | G2070754 | | 1- | A | C4 |
| D 1019 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | F3 |
| D 1020 | LED | | | | AA1111C-TR | G2070660 | | 1- | A | A1 |
| D 1021 | LED | | | | AA1111C-TR | G2070660 | | 1- | A | B1 |
| D 1022 | LED | | | | AA1111C-TR | G2070660 | | 1- | A | A3 |
| D 1023 | LED | | | | AA1111C-TR | G2070660 | | 1- | A | B3 |
| D 1024 | LED | | | | AA1101F-TR | G2070658 | | 1- | B | a3 |
| D 1025 | DIODE | | | | DAN222 TL | G2070174 | | 1- | A | C3 |
| D 1026 | DIODE | | | | DAN222 TL | G2070174 | | 1- | A | C3 |
| D 1027 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | g1 |
| D 1028 | DIODE | | | | SB40W03T-TL | G2070370 | | 1- | B | c3 |
| D 1029 | DIODE | | | | 02CZ2.0X(TE85R.F) | G2070124 | | 1- | B | g3 |
| D 1030 | DIODE | | | | 1SS355 TE-17 | G2070470 | | 1- | B | g3 |
| D 1031 | DIODE | | | | UDZS TE-17 20B | G2071016 | | 1- | A | F1 |
| D 1032 | SURGE ABSORBER | | | | 1608SGX | Q9000891 | | 1- | A | G1 |
| D 1034 | DIODE | | | | UDZS TE-17 9.1B | G2070868 | | 1- | A | D3 |
| DS1001 | LCD | | | | HT-3597-TFZWL | G6090137 | | 1- | A | G2 |
| F 1001 | CERAMIC FILTER | | | | CFWLB450KE2A-B0 | H3900466 | | 1- | A | D2 |
| J 1001 | CONNECTOR | | | | AXK6S40535P | P0091209 | | 1- | B | f2 |
| J 1002 | CONNECTOR | | | | HSJ1594-010055 | P1090896 | | 1- | B | b4 |
| J 1003 | CONNECTOR | | | | HEC3604-010120 | P0091265 | | 1- | B | c4 |
| J 1004 | COIL SPRING | | | | | RA0032000 | | 1- | A | E3 |
| J 1005 | COIL SPRING | | | | | RA0032000 | | 1- | A | E2 |
| L 1001 | COIL | | | | E2 0.35-1.6-7T-L | L0022390 | | 1- | B | a1 |
| L 1002 | COIL | | | | E2 0.35-1.6-7T-L | L0022390 | | 1- | B | a1 |
| L 1003 | COIL | | | | E2 0.35-1.6-7T-L | L0022390 | | 1- | B | b1 |
| L 1004 | COIL | | | | E2 0.25-1.9-5.5T-R | L0022610 | | 1- | B | b1 |
| L 1005 | M.RFC | 1uH | | | ELJ-ND1R0JF | L1690977 | | 1- | B | b1 |
| L 1006 | COIL | | | | E2 0.35-1.6-4T-L | L0022456 | | 1- | B | b1 |
| L 1007 | COIL | | | | E2 0.45-1.4-4T-L | L0022391 | | 1- | B | b1 |
| L 1008 | COIL | | | | E2 0.45-1.4-4T-L | L0022391 | | 1- | A | E1 |
| L 1009 | COIL | | | | E2 0.25-1.9-8.5T-L | L0022611 | | 1- | A | F1 |
| L 1010 | COIL | | | | E2 0.28-1.0-4.5T-R | L0022395 | | 1- | A | E1 |
| L 1011 | COIL | | | | E2 0.28-1.0-8TR | L0022423 | | 1- | B | c1 |
| L 1012 | M.RFC | 0.047uH | | | TFL0816-47 | L1690499 | | 1- | B | c1 |
| L 1013 | M.RFC | 0.082uH | | | TFL0816-82N | L1690980 | | 1- | B | d1 |
| L 1014 | M.RFC | 0.082uH | | | TFL0816-82N | L1690980 | | 1- | B | c1 |
| L 1015 | M.RFC | 0.047uH | | | TFL0816-47 | L1690499 | | 1- | B | c1 |
| L 1016 | M.RFC | 0.068uH | | | TFL0816-68 | L1690501 | | 1- | B | c1 |
| L 1017 | CHIP COIL | 0.082uH | | | LQW2BHN82NG03L | L1690979 | | 1- | B | d1 |
| L 1018 | M.RFC | 0.068uH | | | TFL0816-68 | L1690501 | | 1- | B | d1 |
| L 1019 | M.RFC | 0.1uH | | | TFL0816-100N | L1690981 | | 1- | B | e1 |
| L 1020 | M.RFC | 1uH | | | ELJ-ND1R0JF | L1690977 | | 1- | B | e1 |
| L 1021 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | A | C2 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|---------|-------|------|------------------------|-----------|-------|-----|------|---------|
| L 1022 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | A | C2 |
| L 1023 | M.RFC | 0.1uH | | | TFL0816-100N | L1690981 | | 1- | B | e2 |
| L 1024 | CHIP COIL | 0.056uH | | | LQW2BHN56NG03L | L1690978 | | 1- | B | d2 |
| L 1025 | M.RFC | 0.018uH | | | TFL0816-18 | L1690494 | | 1- | B | d2 |
| L 1026 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | c2 |
| L 1027 | CHIP COIL | 120uH | | | LQH32MN121K23L | L1690100 | | 1- | B | c3 |
| MC1001 | MIC. ELEMENT | | | | PF0-1055P | M3290045 | | 1- | A | D3 |
| Q 1001 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | d2 |
| Q 1002 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | c2 |
| Q 1003 | IC | | | | NJM2904V-TE1 | G1091677 | | 1- | B | c2 |
| Q 1004 | TRANSISTOR | | | | DTA114EE TL | G3070263 | | 1- | B | b2 |
| Q 1005 | TRANSISTOR | | | | DTA114EE TL | G3070263 | | 1- | B | b2 |
| Q 1006 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | b1 |
| Q 1007 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | c1 |
| Q 1008 | FET | | | | RD07MVS1A-T12 | G3070352 | | 1- | A | E1 |
| Q 1009 | FET | | | | 2SK3074(TE12L.F) | G3830748 | | 1- | B | c1 |
| Q 1010 | TRANSISTOR | | | | 2SC5226-5-TL | G3352268E | | 1- | B | d1 |
| Q 1011 | TRANSISTOR | | | | 2SC5006-T1 | G3350068 | | 1- | B | c1 |
| Q 1013 | FET | | | | 3SK296ZQ-TL-E | G4802968 | | 1- | B | e1 |
| Q 1014 | TRANSISTOR | | | | 2SC4400-4-TL | G3344008D | | 1- | A | C1 |
| Q 1015 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | D2 |
| Q 1016 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | D2 |
| Q 1017 | IC | | | | TA31136FNG(EL) | G1091605 | | 1- | A | C2 |
| Q 1018 | TRANSISTOR | | | | 2SC5374-TL | G3353748 | | 1- | B | e1 |
| Q 1019 | TRANSISTOR | | | | 2SC5374-TL | G3353748 | | 1- | B | e2 |
| Q 1020 | TRANSISTOR | | | | DTA144TE TL | G3070209 | | 1- | B | e1 |
| Q 1022 | TRANSISTOR | | | | 2SC5374-TL | G3353748 | | 1- | B | d2 |
| Q 1023 | TRANSISTOR | | | | 2SC5374-TL | G3353748 | | 1- | B | d2 |
| Q 1024 | TRANSISTOR | | | | DTA114TE TL | G3070264 | | 1- | B | e1 |
| Q 1025 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | f1 |
| Q 1026 | TRANSISTOR | | | | DTA143XE TL | G3070093 | | 1- | B | e1 |
| Q 1027 | TRANSISTOR | | | | 2SA1586Y(TE85L.F) | G3115868Y | | 1- | B | e1 |
| Q 1028 | TRANSISTOR | | | | UMW1 TR | G3070078 | | 1- | B | e1 |
| Q 1030 | IC | | | | MB15A01PFV1-G-BND-EFE1 | G1092545 | | 1- | B | e3 |
| Q 1031 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | e1 |
| Q 1032 | TRANSISTOR | | | | 2SA1774 TL R | G3117748R | | 1- | B | e3 |
| Q 1033 | TRANSISTOR | | | | DTA114TE TL | G3070264 | | 1- | B | f2 |
| Q 1034 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | f1 |
| Q 1035 | IC | | | | M3826AEFGP | ✖ | | 1- | A | E2 |
| Q 1036 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | d3 |
| Q 1037 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | E3 |
| Q 1038 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | D3 |
| Q 1039 | IC | | | | S-80835CNNB-B8U-T2-G | G1093991 | | 1- | A | D3 |
| Q 1040 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | d3 |
| Q 1041 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | C3 |
| Q 1042 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | C3 |
| Q 1043 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | B | g3 |
| Q 1044 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | C3 |
| Q 1045 | TRANSISTOR | | | | 2SB1132 T100 Q | G3211327Q | | 1- | B | d4 |
| Q 1046 | TRANSISTOR | | | | UMW1 TR | G3070078 | | 1- | B | d3 |
| Q 1047 | TRANSISTOR | | | | 2SB1132 T100 Q | G3211327Q | | 1- | A | G4 |
| Q 1048 | TRANSISTOR | | | | UMW1 TR | G3070078 | | 1- | A | F4 |
| Q 1051 | IC | | | | S-812C33AUA-C2N-T2G | G1094056 | | 1- | A | D4 |
| Q 1052 | TRANSISTOR | | | | DTA144EE TL | G3070074 | | 1- | A | F3 |
| Q 1053 | IC | | | | TDA2822L-S08-R | G1094497 | | 1- | B | b2 |
| Q 1054 | TRANSISTOR | | | | UMZ2N TR | G3070117 | | 1- | B | e4 |
| Q 1055 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | b3 |
| Q 1056 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | A | F3 |
| Q 1057 | TRANSISTOR | | | | 2SD1664 T100 Q | G3416647Q | | 1- | B | d3 |
| Q 1058 | IC | | | | BR24L64F-WE2 | G1093876 | | 1- | B | b3 |
| Q 1059 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | c3 |
| Q 1060 | IC | | | | NJM2902V-TE1 | G1091679 | | 1- | B | g1 |
| Q 1061 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | f1 |
| Q 1062 | TRANSISTOR | | | | UMG2N TR | G3070088 | | 1- | B | f1 |
| Q 1063 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | f1 |
| Q 1064 | IC | | | | NJM2902V-TE1 | G1091679 | | 1- | B | f4 |
| Q 1065 | TRANSISTOR | | | | 2SC4081 T106 R | G3340818R | | 1- | B | f3 |
| Q 1067 | TRANSISTOR | | | | 2SB1132 T100 Q | G3211327Q | | 1- | B | g3 |
| Q 1068 | TRANSISTOR | | | | 2SA1774 TL R | G3117748R | | 1- | A | G3 |
| R 1001 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 1- | B | b1 |
| R 1002 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 1- | B | b1 |
| R 1003 | CHIP RES. | 270k | 1/16W | 5% | RMC1/16S 274JTH | J24189054 | | 1- | B | c2 |
| R 1004 | CHIP RES. | 820k | 1/16W | 5% | RMC1/16S 824JTH | J24189060 | | 1- | B | c2 |

✖: Please contact Vertex Standard

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1005 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | c2 |
| R 1006 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | c2 |
| R 1007 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | c2 |
| R 1008 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | c2 |
| R 1009 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | c2 |
| R 1010 | CHIP RES. | 100k | 1/16W | 0.5% | RR0510R-104-D | J24189167 | | 1- | B | b2 |
| R 1011 | CHIP RES. | 820 | 1/16W | 5% | RMC1/16S 821JTH | J24189024 | | 1- | B | b2 |
| R 1012 | CHIP RES. | 820 | 1/16W | 5% | RMC1/16S 821JTH | J24189024 | | 1- | B | b2 |
| R 1013 | CHIP RES. | 39k | 1/16W | 0.5% | RR0510R-393-D | J24189157 | | 1- | B | b2 |
| R 1014 | CHIP RES. | 39k | 1/16W | 0.5% | RR0510R-393-D | J24189157 | | 1- | B | b2 |
| R 1015 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | d2 |
| R 1016 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | b1 |
| R 1017 | CHIP RES. | 100k | 1/16W | 0.5% | RR0510R-104-D | J24189167 | | 1- | B | b2 |
| R 1018 | CHIP RES. | 100k | 1/16W | 0.5% | RR0510R-104-D | J24189167 | | 1- | B | b2 |
| R 1019 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | b2 |
| R 1020 | CHIP RES. | 100k | 1/16W | 0.5% | RR0510R-104-D | J24189167 | | 1- | B | b2 |
| R 1021 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | b2 |
| R 1023 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d2 |
| R 1024 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | d2 |
| R 1025 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d2 |
| R 1026 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | c1 |
| R 1027 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | b1 |
| R 1028 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1029 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1030 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1031 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1032 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1033 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1034 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1035 | CHIP RES. | 1 | 1/16W | 5% | RMC1/16S 1R0JTH | J24189319 | | 1- | A | F1 |
| R 1036 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | D1 |
| R 1037 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | A | E1 |
| R 1038 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | E1 |
| R 1039 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | E1 |
| R 1040 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 1- | B | c1 |
| R 1041 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | c2 |
| R 1042 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 1- | B | c1 |
| R 1043 | CHIP RES. | 33 | 1/16W | 5% | RMC1/16S 330JTH | J24189007 | | 1- | B | d1 |
| R 1044 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 1- | B | c1 |
| R 1045 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | B | c2 |
| R 1046 | CHIP RES. | 2.7k | 1/16W | 5% | RMC1/16S 272JTH | J24189030 | | 1- | B | d1 |
| R 1047 | CHIP RES. | 1.5k | 1/16W | 5% | RMC1/16S 152JTH | J24189027 | | 1- | B | d1 |
| R 1048 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | d1 |
| R 1049 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | d1 |
| R 1050 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | c1 |
| R 1051 | CHIP RES. | 680 | 1/16W | 5% | RMC1/16S 681JTH | J24189023 | | 1- | B | c1 |
| R 1052 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | c1 |
| R 1053 | CHIP RES. | 47 | 1/16W | 5% | RMC1/16S 470JTH | J24189009 | | 1- | B | c1 |
| R 1055 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | c2 |
| R 1056 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | d1 |
| R 1057 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | d1 |
| R 1058 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | d1 |
| R 1059 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | c2 |
| R 1060 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | c2 |
| R 1061 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | c2 |
| R 1062 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | B | d1 |
| R 1063 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e1 |
| R 1064 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | A | C1 |
| R 1065 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | e1 |
| R 1066 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e1 |
| R 1067 | CHIP RES. | 1.5k | 1/16W | 5% | RMC1/16S 152JTH | J24189027 | | 1- | A | C1 |
| R 1068 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | C1 |
| R 1069 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | A | C2 |
| R 1070 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C2 |
| R 1071 | CHIP RES. | 47 | 1/16W | 5% | RMC1/16S 470JTH | J24189009 | | 1- | A | C2 |
| R 1072 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D2 |
| R 1073 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | D2 |
| R 1074 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | D1 |
| R 1075 | CHIP RES. | 3.9k | 1/16W | 5% | RMC1/16S 392JTH | J24189032 | | 1- | A | D2 |
| R 1076 | CHIP RES. | 2.2M | 1/16W | 5% | RMC1/16S 225JTH | J24189065 | | 1- | A | C2 |
| R 1077 | CHIP RES. | 2.7k | 1/16W | 5% | RMC1/16S 272JTH | J24189030 | | 1- | A | D2 |
| R 1078 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C2 |
| R 1079 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C2 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1080 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | A | D2 |
| R 1081 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | A | D2 |
| R 1082 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | D1 |
| R 1083 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f1 |
| R 1084 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f1 |
| R 1085 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | f1 |
| R 1086 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f1 |
| R 1087 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | e1 |
| R 1088 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e1 |
| R 1089 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C3 |
| R 1090 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | d1 |
| R 1092 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | e1 |
| R 1093 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | e2 |
| R 1094 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | e2 |
| R 1095 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e2 |
| R 1096 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | e2 |
| R 1097 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e2 |
| R 1098 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C2 |
| R 1099 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | d2 |
| R 1100 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | d2 |
| R 1101 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | d2 |
| R 1102 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | d2 |
| R 1102 | CHIP RES. | 10k | 1/16W | 0.5% | RR0510P-103-D | J24189143 | | 4- | B | d2 |
| R 1103 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | d2 |
| R 1103 | CHIP RES. | 10k | 1/16W | 0.5% | RR0510P-103-D | J24189143 | | 4- | B | d2 |
| R 1104 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d2 |
| R 1104 | CHIP RES. | 100k | 1/16W | 0.5% | RR0510R-104-D | J24189167 | | 4- | B | d2 |
| R 1105 | CHIP RES. | 680 | 1/16W | 5% | RMC1/16S 681JTH | J24189023 | | 1- | B | d2 |
| R 1105 | CHIP RES. | 680 | 1/16W | 0.5% | RR0510P-681-D | J24189115 | | 4- | B | d2 |
| R 1106 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d2 |
| R 1107 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | d2 |
| R 1108 | CHIP RES. | 220 | 1/16W | 5% | RMC1/16S 221JTH | J24189017 | | 1- | B | d2 |
| R 1109 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d2 |
| R 1110 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | d2 |
| R 1111 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | d2 |
| R 1113 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | e2 |
| R 1114 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | e2 |
| R 1115 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | e2 |
| R 1116 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | e2 |
| R 1117 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | f1 |
| R 1119 | CHIP RES. | 68k | 1/16W | 5% | RMC1/16S 683JTH | J24189047 | | 1- | B | e3 |
| R 1120 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | e3 |
| R 1121 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | e3 |
| R 1122 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | e3 |
| R 1123 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e2 |
| R 1124 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | B | f2 |
| R 1125 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | f2 |
| R 1126 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | f2 |
| R 1127 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | B | f3 |
| R 1128 | CHIP RES. | 680 | 1/16W | 5% | RMC1/16S 681JTH | J24189023 | | 1- | B | e2 |
| R 1129 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | C2 |
| R 1130 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | B | e2 |
| R 1131 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | B | f2 |
| R 1132 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | e3 |
| R 1133 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | e3 |
| R 1134 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | e3 |
| R 1135 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e1 |
| R 1136 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | e3 |
| R 1137 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | e3 |
| R 1138 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f1 |
| R 1139 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b2 |
| R 1140 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b2 |
| R 1141 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | c2 |
| R 1142 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | c2 |
| R 1143 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | B | b2 |
| R 1144 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | E1 |
| R 1145 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | E1 |
| R 1146 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |
| R 1147 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |
| R 1148 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |
| R 1149 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |
| R 1150 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |
| R 1151 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1152 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F2 |
| R 1153 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | F2 |
| R 1154 | CHIP RES. | 2.7k | 1/16W | 0.5% | RR0510P-272-D | J24189129 | | 1- | A | F2 |
| R 1155 | CHIP RES. | 5.6k | 1/16W | 0.5% | RR0510P-562-D | J24189137 | | 1- | A | F1 |
| R 1156 | CHIP RES. | 15k | 1/16W | 5% | RMC1/16S 153JTH | J24189039 | | 1- | A | F2 |
| R 1157 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | E1 |
| R 1158 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E1 |
| R 1159 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E1 |
| R 1160 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1161 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1162 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b2 |
| R 1163 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1164 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | c2 |
| R 1165 | CHIP RES. | 15k | 1/16W | 5% | RMC1/16S 153JTH | J24189039 | | 1- | B | c2 |
| R 1166 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | b2 |
| R 1167 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1168 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1169 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1170 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1171 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1172 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1173 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1174 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | D2 |
| R 1175 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | D2 |
| R 1176 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | D2 |
| R 1177 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | D2 |
| R 1180 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | E3 |
| R 1181 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | c2 |
| R 1182 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | d3 |
| R 1183 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d3 |
| R 1184 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | d3 |
| R 1185 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d3 |
| R 1186 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C2 |
| R 1187 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | C2 |
| R 1188 | CHIP RES. | 5.6k | 1/16W | 5% | RMC1/16S 562JTH | J24189034 | | 1- | A | D1 |
| R 1189 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | F1 |
| R 1190 | CHIP RES. | 100k | 1/16W | 0.5% | RR0510R-104-D | J24189167 | | 1- | A | E2 |
| R 1191 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | D3 |
| R 1192 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | E3 |
| R 1193 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | E3 |
| R 1194 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | d3 |
| R 1195 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | D3 |
| R 1196 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | D3 |
| R 1197 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | d3 |
| R 1198 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | d3 |
| R 1199 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | A | D3 |
| R 1200 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | A | C3 |
| R 1201 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | C4 |
| R 1202 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | f3 |
| R 1203 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | C3 |
| R 1204 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | C3 |
| R 1205 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | g3 |
| R 1206 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | f3 |
| R 1207 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | C4 |
| R 1208 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f3 |
| R 1209 | CHIP RES. | 27k | 1/16W | 5% | RMC1/16S 273JTH | J24189042 | | 1- | B | f3 |
| R 1210 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | f4 |
| R 1211 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | C3 |
| R 1212 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1213 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f1 |
| R 1214 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | D3 |
| R 1215 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | d4 |
| R 1216 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d3 |
| R 1217 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | d3 |
| R 1218 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | d3 |
| R 1219 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | d4 |
| R 1220 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | G4 |
| R 1221 | CHIP RES. | 6.8k | 1/16W | 5% | RMC1/16S 682JTH | J24189035 | | 1- | A | F4 |
| R 1222 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | F3 |
| R 1223 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | F3 |
| R 1225 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F3 |
| R 1228 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | G4 |
| R 1229 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | b2 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1230 | CHIP RES. | 4.7 | 1/16W | 5% | RMC1/16S 4R7JTH | J24189066 | | 1- | B | c2 |
| R 1231 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | B | e4 |
| R 1232 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | F3 |
| R 1233 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | e3 |
| R 1234 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | e3 |
| R 1235 | CHIP RES. | 56k | 1/16W | 5% | RMC1/16S 563JTH | J24189046 | | 1- | A | D1 |
| R 1236 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | D1 |
| R 1237 | CHIP RES. | 680 | 1/16W | 5% | RMC1/16S 681JTH | J24189023 | | 1- | B | b3 |
| R 1238 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 1- | A | F3 |
| R 1239 | CHIP RES. | 220 | 1/16W | 5% | RMC1/16S 221JTH | J24189017 | | 1- | B | a4 |
| R 1240 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | A | C2 |
| R 1241 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | A | C2 |
| R 1242 | CHIP RES. | 27 | 1/16W | 5% | RMC1/16S 270JTH | J24189006 | | 1- | B | d4 |
| R 1243 | CHIP RES. | 1.8k | 1/16W | 5% | RMC1/16S 182JTH | J24189028 | | 1- | A | E3 |
| R 1244 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | F3 |
| R 1245 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | F3 |
| R 1246 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | F3 |
| R 1247 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | b3 |
| R 1248 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | F3 |
| R 1249 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b3 |
| R 1250 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E3 |
| R 1251 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | b3 |
| R 1252 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E3 |
| R 1253 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b3 |
| R 1254 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E3 |
| R 1255 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b3 |
| R 1256 | CHIP RES. | 1.2k | 1/16W | 5% | RMC1/16S 122JTH | J24189026 | | 1- | A | E3 |
| R 1257 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | E3 |
| R 1258 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | E3 |
| R 1259 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | E3 |
| R 1260 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | E3 |
| R 1261 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | A | E3 |
| R 1262 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | c3 |
| 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 | E3 |
| R 1265 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | D2 |
| R 1266 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | c3 |
| R 1267 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | D2 |
| R 1268 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | E2 |
| R 1269 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | E2 |
| R 1270 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | E2 |
| R 1271 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | b3 |
| R 1272 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | C3 |
| R 1274 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | C3 |
| R 1275 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | C3 |
| R 1276 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | f2 |
| R 1277 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | C3 |
| R 1278 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | C3 |
| R 1279 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D3 |
| R 1280 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | g2 |
| R 1281 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1282 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1283 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1284 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1285 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | g2 |
| R 1286 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | f2 |
| R 1287 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g2 |
| R 1288 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g2 |
| R 1289 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g2 |
| R 1290 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g2 |
| R 1291 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1292 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1293 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g2 |
| R 1294 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1295 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1296 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1297 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1298 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1299 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1300 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1301 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f2 |
| R 1302 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | f3 |
| R 1303 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g3 |

MAIN Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|------------------|-----------|-------|------|------------------|-----------|-------|-----|------|---------|
| R 1304 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g3 |
| R 1305 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | f3 |
| R 1306 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | e3 |
| R 1307 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | B | c2 |
| R 1308 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | B | f4 |
| R 1309 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | g1 |
| R 1310 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | g1 |
| R 1311 | CHIP RES. | 68k | 1/16W | 5% | RMC1/16S 683JTH | J24189047 | | 1- | B | g1 |
| R 1312 | CHIP RES. | 390k | 1/16W | 5% | RMC1/16S 394JTH | J24189056 | | 1- | B | g1 |
| R 1313 | CHIP RES. | 390k | 1/16W | 5% | RMC1/16S 394JTH | J24189056 | | 1- | B | g1 |
| R 1314 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f1 |
| R 1315 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f1 |
| R 1316 | CHIP RES. | 390k | 1/16W | 5% | RMC1/16S 394JTH | J24189056 | | 1- | B | f1 |
| R 1317 | CHIP RES. | 390k | 1/16W | 5% | RMC1/16S 394JTH | J24189056 | | 1- | B | f1 |
| R 1318 | CHIP RES. | 68k | 1/16W | 5% | RMC1/16S 683JTH | J24189047 | | 1- | B | f1 |
| R 1319 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f1 |
| R 1320 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | f1 |
| R 1321 | CHIP RES. | 56k | 1/16W | 5% | RMC1/16S 563JTH | J24189046 | | 1- | B | f1 |
| R 1322 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | g2 |
| R 1323 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | g2 |
| R 1324 | CHIP RES. | 68k | 1/16W | 5% | RMC1/16S 683JTH | J24189047 | | 1- | B | g1 |
| R 1325 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | B | f3 |
| R 1326 | CHIP RES. | 27k | 1/16W | 5% | RMC1/16S 273JTH | J24189042 | | 1- | B | f3 |
| R 1327 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | B | g2 |
| R 1328 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | e4 |
| R 1329 | CHIP RES. | 2.2M | 1/16W | 5% | RMC1/16S 225JTH | J24189065 | | 1- | B | e4 |
| R 1330 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | e4 |
| R 1331 | CHIP RES. | 15k | 1/16W | 5% | RMC1/16S 153JTH | J24189039 | | 1- | B | e4 |
| R 1332 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | e4 |
| R 1333 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | d3 |
| R 1334 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d3 |
| R 1335 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | c3 |
| R 1336 | CHIP RES. | 1.8M | 1/16W | 5% | RMC1/16S 185JTH | J24189064 | | 1- | B | f3 |
| R 1337 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | f3 |
| R 1338 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | f3 |
| R 1339 | CHIP RES. | 3.9k | 1/16W | 5% | RMC1/16S 392JTH | J24189032 | | 1- | B | f3 |
| R 1340 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | f3 |
| R 1341 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f3 |
| R 1342 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | f3 |
| R 1343 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | B | f3 |
| R 1344 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | e3 |
| R 1345 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | e3 |
| R 1347 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | e4 |
| R 1352 | CHIP RES. | 18 | 1/16W | 5% | RMC1/16S 180JTH | J24189004 | | 1- | B | g3 |
| R 1353 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | B | g3 |
| R 1354 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | g4 |
| R 1355 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | F3 |
| R 1356 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | A | D3 |
| R 1357 | CHIP RES. | 4.7 | 1/16W | 5% | RMC1/16S 4R7JTH | J24189066 | | 1- | B | c2 |
| R 1358 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1359 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1360 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1361 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1362 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1363 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1364 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1365 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1366 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | | 1- | B | a4 |
| R 1369 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e1 |
| R 1370 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | d1 |
| R 1371 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | d1 |
| TC1001 | TRIMMER CAP. | 10pF | | | ECR-KN010C61X | K91000226 | | 1- | B | e2 |
| TH1001 | THERMISTOR | | | | TBPS1R103K440H5Q | G9090067 | | 1- | B | d3 |
| TH1002 | THERMISTOR | | | | TBPS1R473K475H5Q | G9090068 | | 1- | A | E1 |
| VR1001 | POT. | 10k | | | EVM-2WSX80B14 | J51822103 | | 1- | B | b2 |
| VR1002 | POT. | 20k | | | EVM-2WSX80B24 | J51822203 | | 1- | B | e1 |
| X 1001 | XR002125T0105009 | 21.25MHZ | | | 21.25MHZ | H0103356 | | 1- | B | d3 |
| X 1002 | XTAL CSA-310 | 3.6864MHZ | | | 3.6864MHZ | H0103078 | | 1- | B | c3 |
| X 1002 | XTAL CSA-310 | 3.6864MHZ | | | 3.6864MHZ | H0102988 | | 4- | B | c3 |
| XF1001 | XTAL FILTER | | | | FY UM4-21M12A | H1102394 | | 1- | A | C1 |
| | TERMINAL PLATE R | | | | (MIC) | RA010700A | | 1- | | |
| | HOLDER RUBBER | | | | | RA0110200 | | 1- | | |
| | BRACKET | | | | | RA0209600 | | 1- | | |

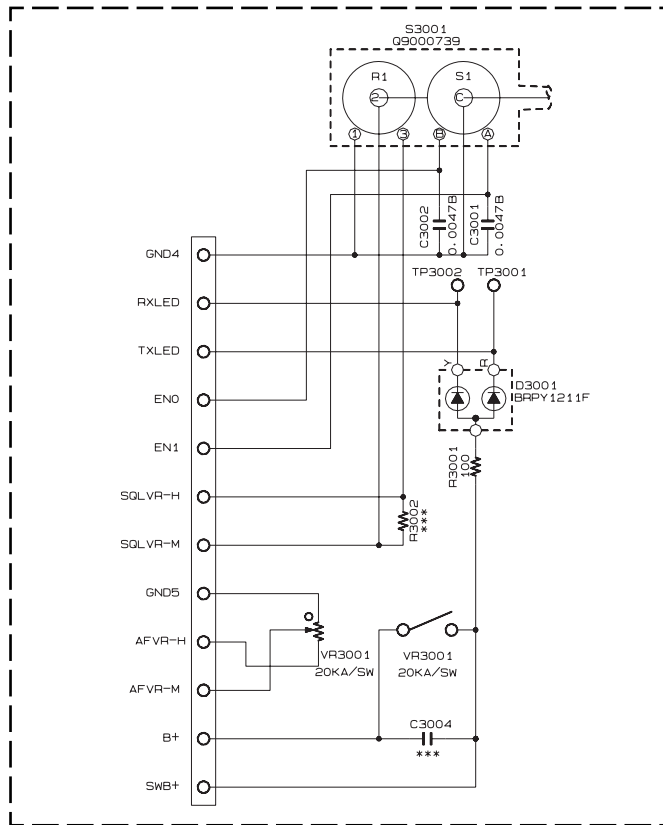
MAIN Unit

Parts List

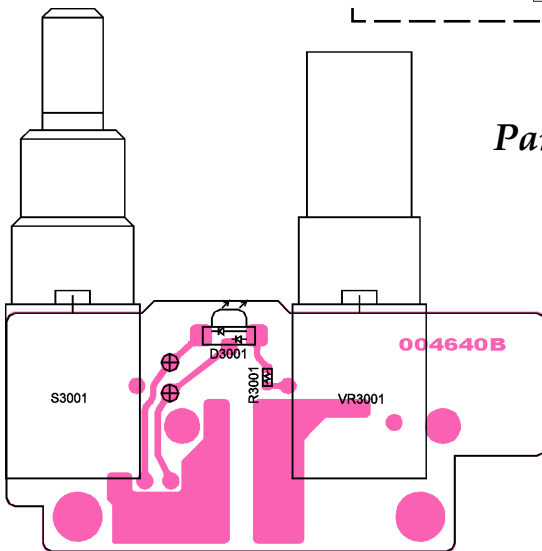
| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|-----|----------------|-------|-----|------|-------------|-----------|-------|-----|------|---------|
| | HOLDER | | | | | RA0210100 | | 1- | | |
| | TERMINAL PLATE | | | | | RA0210700 | | 1- | | |
| | SHEET | | | | | RA023330A | | 1- | | |
| | LIGHT GUIDE | | | | | RA020950A | | 1- | | |

MAIN Unit

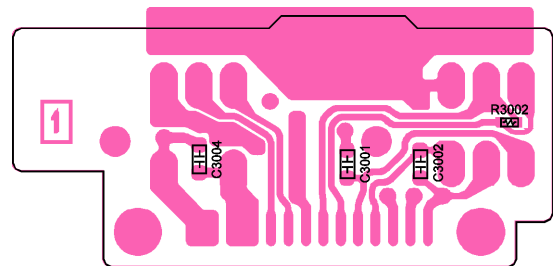
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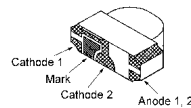
Parts Layout



Side A



Side B



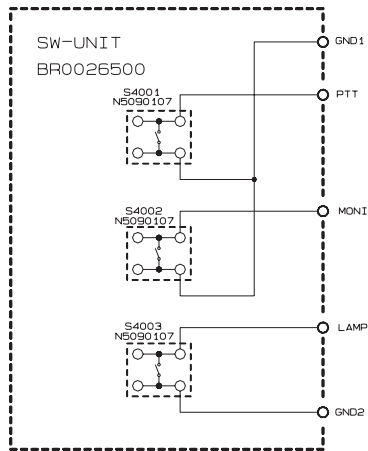
BRPY1211F (D3001)

Parts List

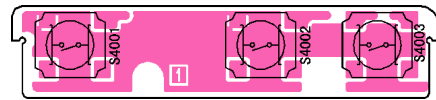
| REF. | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | YAESU P/N | VERS. | LOT. | SIDE | LAY | ADR |
|-----------------------|----------------|----------|-------|------|-------------|-----------|-------|------|------|-----|-----|
| *** VR UNIT *** | | | | | | | | | | | |
| PCB with Components | | | | | | CS2035101 | | | | | |
| Printed Circuit Board | | | | | | FR004640B | | | | | |
| C 3001 | CHIP CAP. | 0.0047uF | 50V | B | K22174817 | | 1- | | | | |
| C 3002 | CHIP CAP. | 0.0047uF | 50V | B | K22174817 | | 1- | | | | |
| D 3001 | LED | | | | G2070706 | | 1- | | | | |
| R 3001 | CHIP RES. | 100ohm | 1/16W | 5% | J24189013 | | 1- | | | | |
| S 3001 | ROTARY ENCODER | | | | Q9000739 | | 1- | | | | |
| VR3001 | POT. | | | | J60800236 | | 1- | | | | |
| VR3001 | POT. | | | | J60800269 | | 5- | | | | |

SW & DUMMY Unit

SW Unit Circuit Diagram



SW Unit Parts Layout



Side A

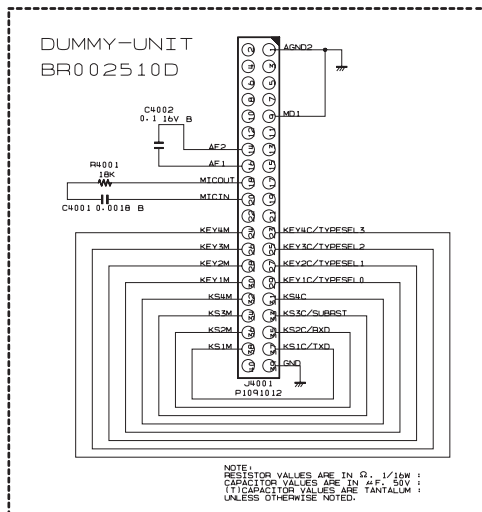


Side B

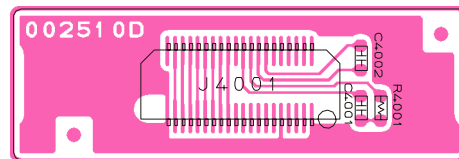
SW Unit Parts List

| REF. | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | YAESU P/N | VERS. | LOT. | SIDE |
|-----------------------|-------------|-------|-----|------|---------------------|-----------|-------|------|------|
| *** SW UNIT *** | | | | | | | | | |
| PCB with Components | | | | | | CB4883001 | | | |
| Printed Circuit Board | | | | | | FR002650B | | | |
| S 4001 | TACT SWITCH | | | | SOP-114HST R66-5374 | N5090107 | | 1- | A |
| S 4002 | TACT SWITCH | | | | SOP-114HST R66-5374 | N5090107 | | 1- | A |
| S 4003 | TACT SWITCH | | | | SOP-114HST R66-5374 | N5090107 | | 1- | A |
| | MYLAR SHEET | | | | | RA011720A | | | |

Dummy Unit Circuit Diagram



Dummy Unit Parts Layout



Side A

Dummy Unit Parts List

| REF. | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | YAESU P/N | VERS. | LOT. | SIDE |
|-----------------------|-------------|----------|-------|------|-----------------|-----------|-------|------|------|
| *** DUMMY UNIT *** | | | | | | | | | |
| PCB with Components | | | | | | CB4884001 | | | |
| Printed Circuit Board | | | | | | FR002510D | | | |
| C 5001 | CHIP CAP. | 0.0018uF | 50V | B | GRM39B182K50PT | K22174828 | | 1- | A |
| C 5002 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | A |
| J 5001 | CONNECTOR | | | | AXK5S40035P | P1091012 | | 1- | A |
| R 5001 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16 183JATP | J24185183 | | 1- | A |



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