

25 Watt VHF/FM DSC Marine Transceiver**MATRIX SERIES
GX2000 and GX2100****SERVICE MANUAL****Important Note**

This 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.

Specifications (USA/EXP model)

GENERAL

Channels:	All USA, International and Canadian
Input Voltage:	13.8 V DC $\pm 20\%$
Current Drain:	Standby 0.55 A (GX2100), 0.45 A (GX2000) Receiver (at Maximum AF Output) 0.9 A (GX2100), 0.8 A (GX2000) Transmit 5.0 A (Hi), 1.0 A (Lo)
Distress Call Log:	26
Individual Call Log:	64
Individual Call Directory:	80
Group Call Directory:	32
Waypoint Directory:	100
Dimensions (WxHxD):	7.1" x 3.1" x 6.3" (180 x 80 x 160 mm)
Flush-Mount Dimensions (WxHxD):	6.3" x 2.6" x 5.9" (161 x 65 x 150 mm)
Weight:	GX2000: 3.1 lbs (1.40 kg), GX2100: 3.2 lbs (1.45 kg)

TRANSMITTER

Frequency Range:	156.025 MHz to 157.425 MHz
RF Output Power:	25 W (Hi), 1 W (Lo)
Conducted Spurious Emissions:	Less than -80 dBc (Hi), -66 dBc (Lo)
Audio Response:	within $+1/-3$ dB of a 6 dB/Octave pre-emphasis characteristic at 300 to 3000 Hz
Audio Distortion:	Less than 5 %
Modulation:	16K0G3E (for Voice), 16K0G2B (for DSC)
Frequency Stability:	± 0.0003 % (-20 °C to $+60$ °C)
FM Hum and Noise:	50 dB

RECEIVER (for Voice and DSC)

Frequency Range:	156.050 MHz to 163.275 MHz
Sensitivity:	20 dB Quieting 0.35 μ V 12 dB SINAD 0.30 μ V Squelch Sensitivity (Threshold) 0.13 μ V
Modulation Acceptance Bandwidth:	± 7.5 kHz
Selectivity (Typical):	Spurious and Image Rejection 80 dB for Voice (75 dB for DSC) Intermodulation and Rejection 80 dB for Voice (75 dB for DSC)
Audio Output:	4.5 W (at 4 ohms external speaker output)
Audio Response:	within $+1/-3$ dB of a 6 dB/Octave de-emphasis characteristic at 300 to 3000 Hz
Frequency Stability:	± 0.0003 % (-20 °C to $+60$ °C)
Channel Spacing:	25 kHz
DSC Format:	ITU-R M.493-12
Antenuator (Local):	Approx. 10 dB

RECEIVER (for AIS)

Frequency:	161.975 MHz (CH A), 162.025 MHz (CH B)
Sensitivity:	0.5 μ V (at 12 dB SINAD)
Selectivity(Typical):	Spurious and Image Rejection 70 dB Intermodulation and Rejection 70 dB

NMEA Input/Output

NMEA-0183 (4800bps for Position Data):	Input: GLL, GGA, GNS and RMC Output: DSC, DSE
NMEA-0183 HS (38400bps for AIS Data):	Input: VDM (GX2000) Output: VDM (GX2100)

Performance specifications are nominal, unless otherwise indicated, and are subject to change without notice.

Measurements are made in accordance with EN301 025. All stated specifications are subject to change without notice or obligation.

Specifications (CE model)

GENERAL

Channels:	International
Input Voltage:	12.0 VDC +30% / -10% (10.8 - 15.6 VDC)
Current Drain:	Standby 0.55 A (GX2100), 0.45 A (GX2000) Receiver (at Maximum AF Output) 0.9 A (GX2100), 0.8 A (GX2000) Transmit 5.0 A (Hi), 1.0 A (Lo)
Distress Call Log:	26
Individual Call Log:	64
Individual Call Directory:	80
Group Call Directory:	32
Waypoint Directory:	100
Dimensions (WxHxD):	180 x 80 x 160 mm
Flush-Mount Dimensions (WxHxD):	161 x 65 x 150 mm
Weight:	GX2000: 1.40 kg, GX2100: 1.45 kg

TRANSMITTER

Frequency Range:	156.025 MHz to 157.425 MHz
RF Output Power:	25 W (Hi), 1 W (Lo)
Conducted Spurious Emissions:	Less than -80 dBc (Hi), -66 dBc (Lo)
Audio Response:	within +1/-3dB of a 6 dB/Octave pre-emphasis characteristic at 300 to 3000 Hz
Audio Distortion:	Less than 5 %
Modulation:	16K0G3E (for Voice), 16K0G2B (for DSC)
Frequency Stability:	±0.0003 % (-15 °C to +55 °C)
FM Hum and Noise:	50 dB

RECEIVER (for Voice and DSC)

Frequency Range:	156.050 MHz to 162.000 MHz
Sensitivity:	20 dB Quieting 0.35 µV 20 dB SINAD 0.30 µV Squelch Sensitivity (Threshold) 0.30 µV
Modulation Acceptance Bandwidth:	±7.5 kHz
Selectivity (Typical):	Spurious and Image Rejection 75 dB for Voice (75 dB for DSC) Intermodulation and Rejection 75 dB for Voice (75 dB for DSC)
Audio Output:	4.5 W (at 4 ohms external speaker output)
Audio Response:	within +1/-3dB of a 6 dB/Octave de-emphasis characteristic at 300 to 3000 Hz
Frequency Stability:	±0.0003 % (-15 °C to +55 °C)
Channel Spacing:	25 kHz
DSC Format:	ITU-R M.493-12
Antennuator (Local):	Approx. 10 dB

RECEIVER (for AIS)

Frequency:	161.975 MHz (CH A), 162.025 MHz (CH B)
Sensitivity:	0.5 µV (at 12 dB SINAD)
Selectivity(Typical):	Spurious and Image Rejection 70 dB Intermodulation and Rejection 70 dB

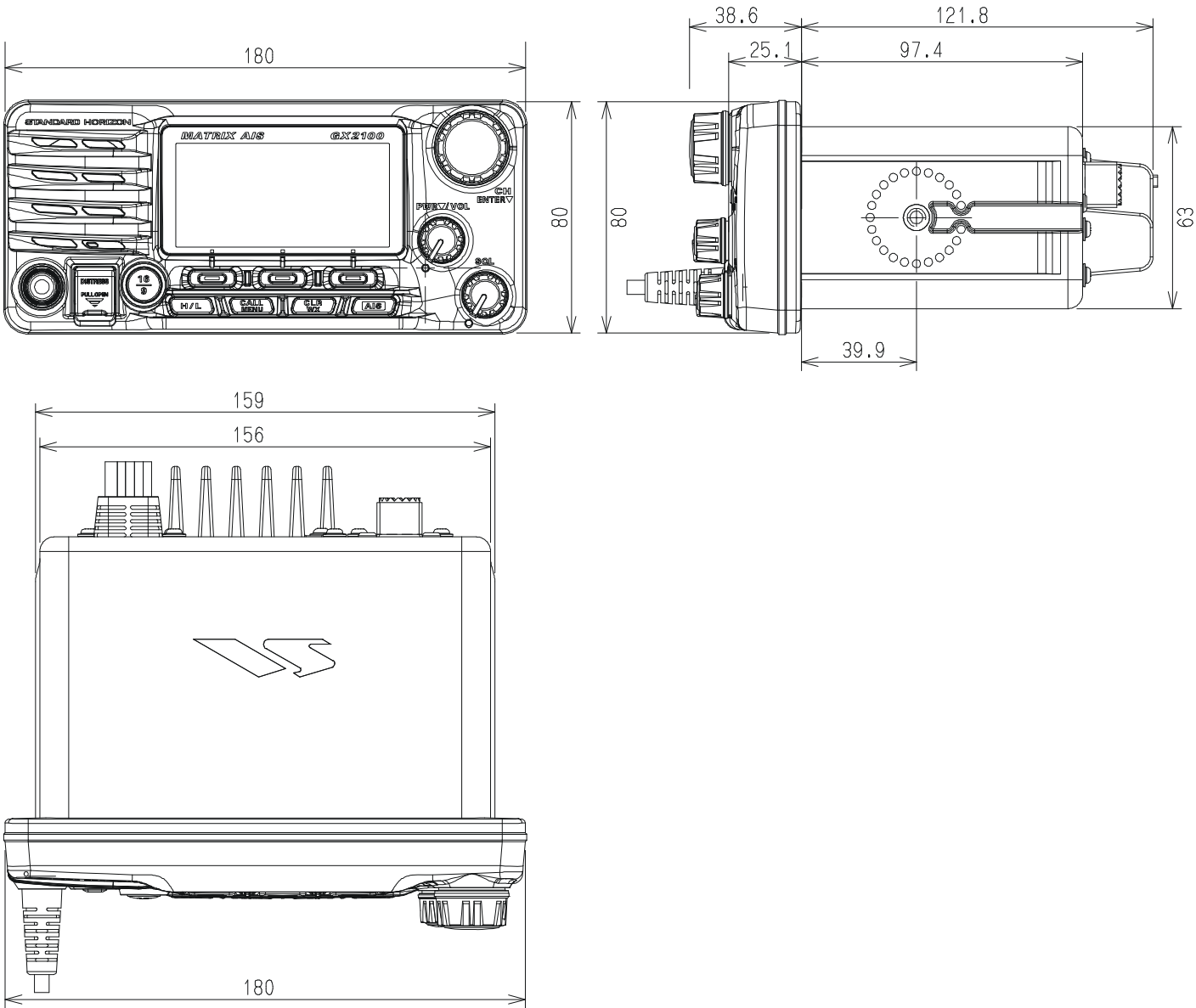
NMEA Input/Output

NMEA-0183 (4800bps for Position Data):	Input: GLL, GGA, GNS and RMC Output: DSC, DSE
NMEA-0183 HS (38400bps for AIS Data):	Input: VDM (GX2000) Output: VDM (GX2100)

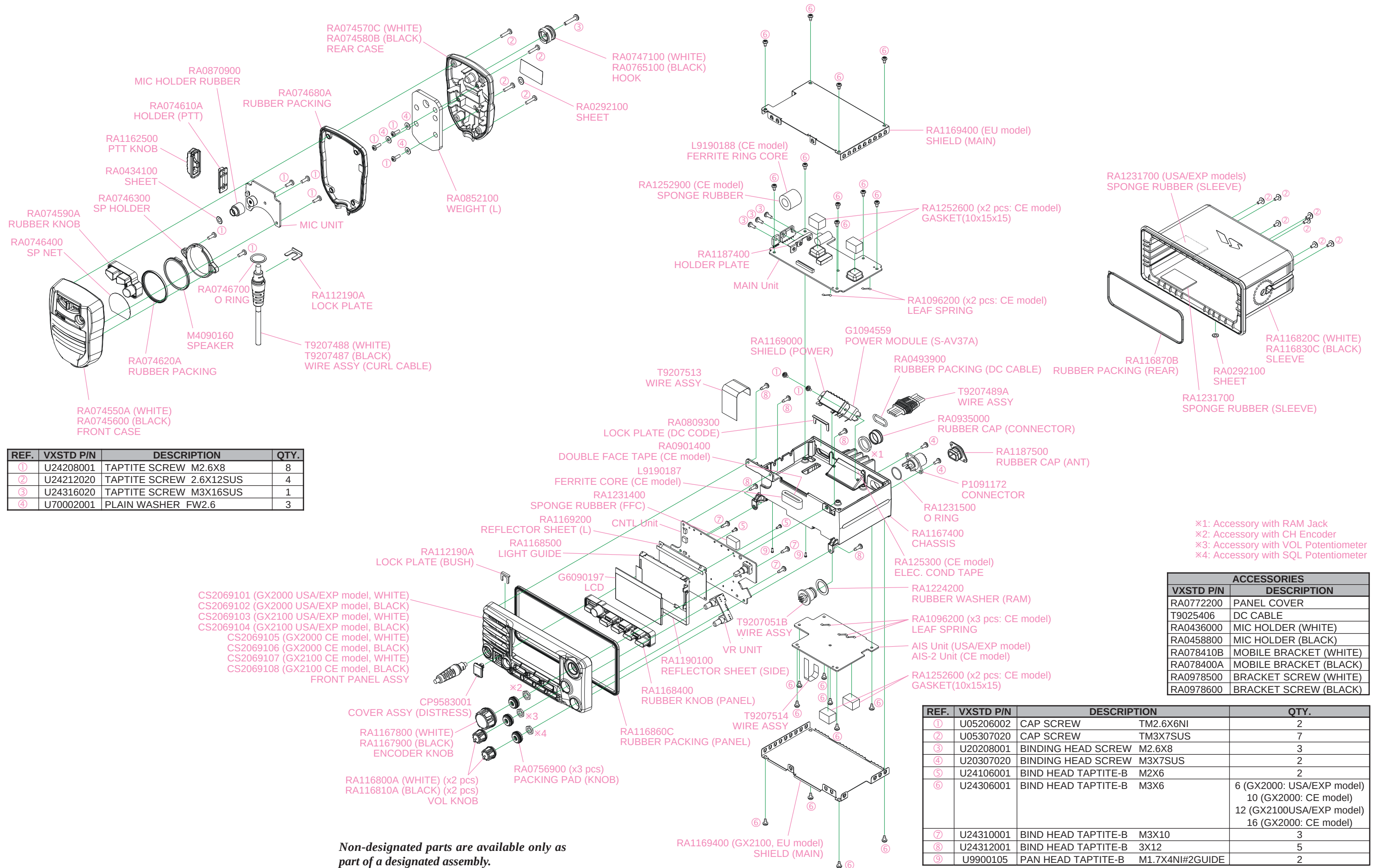
Performance specifications are nominal, unless otherwise indicated, and are subject to change without notice. Measurements are made in accordance with EN301 025. All stated specifications are subject to change without notice or obligation.

Specifications

External Dimensions



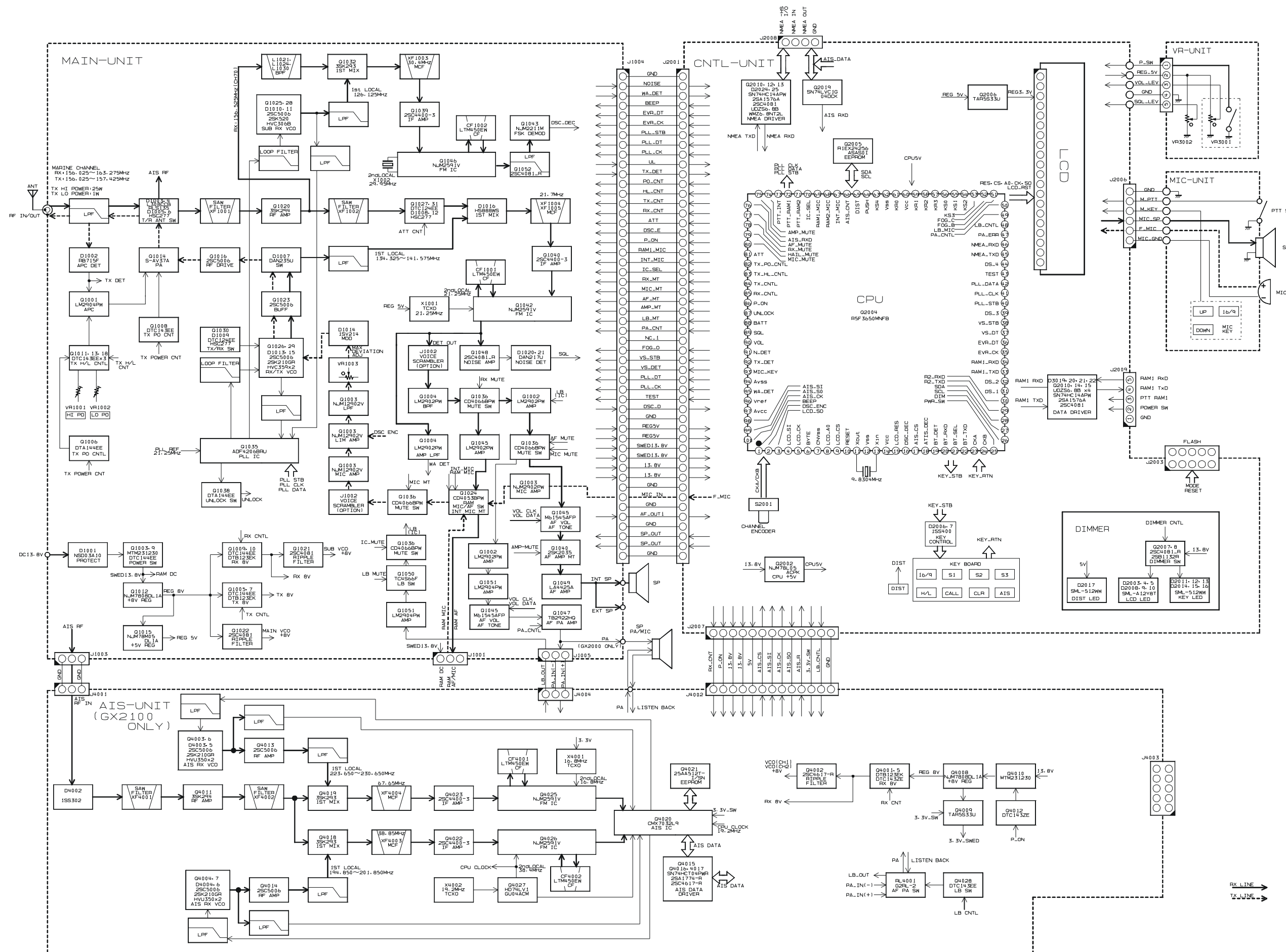
Exploded View & Miscellaneous Parts



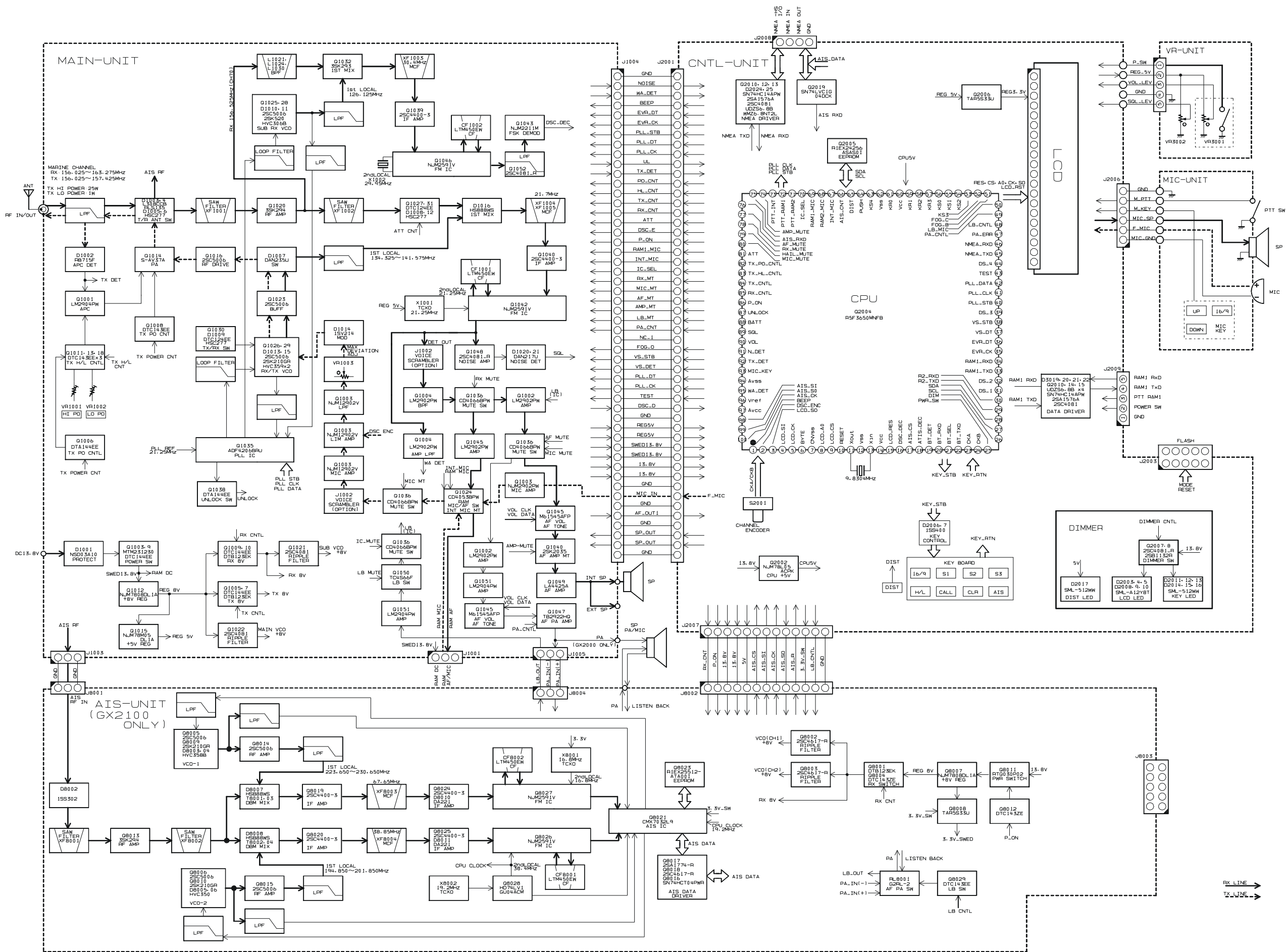
Exploded View & Miscellaneous Parts

Note

Block Diagram (USA/EXP models)



Block Diagram (CE model)



Reception and transmission are switched by the MPU IC **Q2004 (R5F3650MNFB)** on the CNTL Unit. The receiver uses double-conversion superheterodyne circuitry, with a 21.7 MHz 1st IF and 450 kHz 2nd IF. The 1st local is produced by a PLL synthesizer, yielding the 21.7 MHz 1st IF. The 2nd local uses a 21.250 MHz crystal oscillator, yielding the 450 kHz 2nd IF. The 2nd mixer and other circuits use a custom IC to convert and amplify the 2nd IF and detect FM to obtain demodulated signals. During transmit, the PLL synthesizer oscillates at the desired frequency directly, for amplification to obtain RF power output. During transmit, voice modulation is applied to this synthesizer. Transceiver functions, such as TX/RX control, PLL synthesizer settings, and channel programming, are controlled using the MPU.

RECEIVER

Incoming RF signals from the antenna connector are delivered to the RF Unit, and pass through a low-pass filter (LPF) consisting of coils L1001 & L1002 and capacitors C1002, C1008, C1022 & C1023, and antenna switching diode **D1003 (L308CCB)** & **D1004 (RLS135)** for delivery to the receiver front end.

Signals within the frequency range of the transceiver are then passed through a SAW filter **XF1001(HDF160F)**, before RF amplification by **Q1020 (3SK294)**.

The amplified RF is then passed through a SAW filter **XF1001(HDF160F)**, the pure in-band input signal is delivered to 1st DBM mixer consisting of **D1016 (HSB88WS)** and T1001 & T1002.

Buffered output from the VCO is amplified by **Q1023 (2SC5006)** and low-pass filtered by coils L1012 and capacitors C1099, C1105, C1091 & C1109 to provide a pure 1st local signal between 134.35MHz and 141.575 MHz for delivery to the 1st DBM mixer consisting of **D1016 (HSB88WS)** and T1001 & T1002.

The 21.7 MHz 1st mixer product then passes through monolithic crystal filters XF1004 & XF1005, and is amplified by **Q1040 (2SC4400-3)** and delivered to the input of the FM IF subsystem IC **Q1042 (NJM2591V)**. This IC contains the 2nd mixer, 2nd local oscillator, limiter amplifier, FM detector, noise amplifier, and squelch gates.

The 2nd local in the FM IF subsystem IC is produced from TCXO **X1001** (21.250 MHz), and the 1st IF is converted to 450 kHz by the 2nd mixer and stripped of unwanted components by ceramic filter CF1001.

After passing through a limiter amplifier, the signal is demodulated by the FM detector. Demodulated receive audio from the FM IF subsystem IC is amplified by **Q1004 (LM2902PW)**.

The audio signal is passed through the AF Mute switch **Q1036 (CD4066BPW)** & amplifier **Q1002 (LM2902PW)** & the Electoric Volume **Q1045 (M61545AFP)**, to the AF power amplifier **Q1049 (LA4425A)**, the audio signal is delivered to the 16 Ohm internal loudspeaker and external Speaker terminal in the accessory cable.

PLL SYNTHESIZER

The 1st Local signal maintains stability from the PLL synthesizer by using a 21.250 MHz reference signal from TCXO X1001. PLL synthesizer IC **Q1035 (ADF4206BRU)** consists of a prescaler, reference counter, swallow counter, programmable counter, a serial data input port to set these counters based on the external data, a phase comparator, and a charge pump.

The PLL synthesizer IC divides the 21.250 MHz reference signal by 1700 using the reference counter (12.5 kHz comparison frequency). The reference oscillator feeds to the PLL synthesizer IC **Q1035 (ADF4206BRU)**. for the 2nd local signal.

The VCO output is divided by the prescaler, swallow counter and programmable counter. These two signals are compared by the phase comparator, and applied to the charge pump.

A voltage proportional to their phase difference is delivered to the low-pass filter circuit, then fed back to the MAIN VCO as a voltage with phase error, controlling and stabilizing the oscillating frequency. This synthesizer also operates as a modulator during transmit.

The MAIN VCO is consisted of **Q1029 (2SK210GR)** and varactor diodes **D1013 & D1015** (both **HVC359**), which oscillates at 21.7 MHz below from the receiving frequency. The VCO output passes through buffer amplifier **Q1026 & Q1023** (both **2SC5006**) to obtain stable output, then applied to the 1st DBM mixer consisting of **D1016 (HSB88WS)** and T1001 & T1002. The DC supply for the VCO is regulated by **Q1022 (2SC4081)**.

TRANSMITTER

The voice from the microphone is connected to the J2006 on the CNTL Unit. This audio is fed through the pin 44 of J2001 to the pin 44 of J1001 on the MAIN Unit. The audio is then fed to the microphone amplifire **Q1003 (NJM12902V)**, a pre-emphasis network, limiter (IDC: instantaneous deviation control), and low-pass filter network **Q1003 (NJM12902V)**, the audio is adjusted for optimum deviation level by VR1003 and delivered to the next stage.

From VR1003 the signal is supplied to the MAIN VCO **Q1029 (2SK210GR)** and varactor diodes **D1013 & D1015** (both **HVC359**), which oscillates the fundamental trans-

Circuit Description

mit frequency with direct frequency-modulation using varactor diode **D1014 (1SV214)**. The modulated signal passes through buffer amplifier **Q1026 & Q1023 (both 2SC5006)**, diode switch **D1007 (DAN235U)** to drive amplifiers **Q1016 (2SC5006)** and RF power amplifier module **Q1014 (S-AV37A)**.

The RF energy then passes through antenna switch **D1003 (L308CCB)** and low-pass filter (LPF) consisting of coils L1001 & L1002 and capacitors C1002, C1008, C1022 & C1023 and finally to the antenna connector.

Transmit APC and VSWR protection

RF output power from the RF power amplifier module **Q1014 (S-AV37A)** is sampled by C1013 & C1019 and is rectified by **D1002 (RB715F)**. The resulting DC is fed through Automatic Power Controllers **Q1001 (LM2904PW)** to RF power amplifier module **Q1014 (S-AV37A)**, thus providing positive control of the power output.

Generation of spurious products by the transmitter is minimized by the fundamental carrier frequency being equal to the final transmitting frequency, modulated directly in the transmit VCO. Additional harmonic suppression is provided by a low-pass filter consisting of coils and capacitors, resulting in more than 70 dB of harmonic suppression prior to delivery of the RF energy to the antenna.

AIS RECEIVER

Receive Signal Path

The RF signal from the antenna connector is fed from the MAIN Unit to J4001 and to the the AIS unit. The RF signal passes through SAW filter XF4001 and is amplified by **Q4011 (3SK294)** and passed to the SAW filter XF4002 and is divided supplied to RX1 (AIS CH1) and RX2 (AIS CH2).

The 1st local signal (229.625MHz) from VCO (CH1) **Q4006 (2SK210)** is applied to **Q4013 (2SC5006)** and the 161.975MHz RF signal divided in RX (CH1) are inputted into the 1st mixer **Q4019 (3SK293)** and applied to filter XF4004 where unwanted signals are filtered to 67.65MHz 1st IF signal. The 1st IF signal is amplified in the IF amplifier **Q4023 (2SC4400)**. The 1st IF signal is then fed to pin 16 of the FM IF IC **Q4025 (NJM2591)**, the 1st IF signal and the 67.20MHz 2nd local signal from the TCXO X4001 are inputted into the 2nd mixer to generate the 450 kHz 2nd IF signal. The 2nd IF signal is amplified with the limiter amplifier after unwanted signals were filtered in the ceramic filter CF4001, and it is demodulated at the quadrature detector with the ceramic discriminator CD4001. The demodulated signal is inputted into the AIS IC **Q4020 (CMX7032L9)** to decode the AIS signal (CH1) and supplied to J4002 to the CNTL Unit MPU **Q2004 (R5F3650MNFb)**.

Similarly, the 200.875MHz 1st local signal from VCO (CH2) **Q4007 (2SK210)** is applied to **Q4014 (2SC5006)** and the 162.025MHz RF signal divided in RX (CH2) are inputted into the 1st mixer **Q4018 (3SK293)** and applied to filter XF4003 where unwanted signals are filtered to 38.85MHz 1st IF signal. The 1st IF signal is amplified in the IF amplifier **Q4022 (2SC4400)**. The 1st IF signal is then fed to pin 16 of the FM IF IC **Q4026 (NJM2591)**, the 1st IF signal and the 38.40MHz 2nd local signal from the TCXO X4002 are inputted into the 2nd mixer to generate the 450 kHz 2nd IF signal. The 2nd IF signal is amplified with the limiter amplifier after unwanted signals were filtered in the ceramic filter CF4002, and it is demodulated at the quadrature detector with the ceramic discriminator CD4002. The demodulated signal is inputted into the AIS IC **Q4020 (CMX7032L9)** to decode the AIS signal (CH2) and supplied to J4002 to the CNTL Unit MPU **Q2004 (R5F3650MNFb)**.

PLL Frequency Synthesizer

The AIS IC **Q4020 (CMX7032L9)** has two PLL synthesizers, and each consists of a programmable divider, a phase comparator and a charge pump. The reference clock (19.2MHz) is common with a system clock of the AIS IC **Q4020 (CMX7032L9)** and is supplied from the TCXO X4002. This TCXO has a stability of ± 5 ppm (-20 to $+60$ °C).

VCO (CH1) **Q4006 (2SK210)** oscillates at 229.625MHz, and this local signal is amplified with a buffer amplifier **Q4003 (2SC5006)**. The amplified local signal is fed back for the AIS IC **Q4020 (CMX7032L9)** and divided by a programmable divider. In the AIS IC, a reference divider divides the 19.2MHz reference signal by 1,536 to generate the comparison frequency of 12.5kHz. The divided local signal is compared with the comparison frequency with a phase comparator, and a charge pump is controlled to make the control voltage VCV1. The PLL loop is formed by controlling VCO1 **Q4006 (2SK210)** by VCV1.

VCO (CH2) **Q4007 (2SK210)** oscillates at 200.875MHz, and this local signal is amplified with a buffer amplifier **Q4004 (2SC5006)**. The amplified local signal is fed back for the AIS IC **Q4020 (CMX7032L9)** and divided by a programmable divider. The divided local signal is compared with the comparison frequency with a phase comparator, and a charge pump is controlled to make the control voltage VCV2. The PLL loop is formed by controlling VCO2 **Q4007 (2SK210)** by VCV2.

AIS Decoder IC

The AIS IC **Q4020 (CMX7032L9)** can watch two channels simultaneously because it has two GMSK decoder and two PLL blocks. The AIS IC **Q4020 (CMX7032L9)** outputs the decoded AIS signal from its serial port to the CNTL Unit.

DSC Encoder/ Decoder

Encoder

The DSC (Digital Selective Calling) encode signal which D/A converted in the MPU IC **Q2004 (R5F3650MNFB)** on the CNTL Unit is fed through the low-pass filter **Q1003 (LM2902PWR)** Pin 6 on the MAIN Unit to the MAIN VCO **Q1029 (2SK210GR)**.

Decoder

The received signal passes through the general coverage receiver front end and after being amplified by **Q1020 (3SK294)**. The signal then is applied to the first mixer **Q1032 (3SK293)**, filtered by XF1003 and applied to 1st IF amp **Q1039 (2SC4400)**. the DSC signal is demodulated by FM IC **Q4026 (NJM2591)**, then fed through low pass filter **Q1052 (2SC4081)** to FSK decoder IC **Q1043 (NJM2211M)** and supplied to MPU **Q2004 (R5F3650MNFB)** on the CNTL Unit

1050 Hz Weather Alert Decoder

1050 Hz Weather Alert signal from the FM IF subsystem IC **Q1042 (NJM2591V)** pin 9 is supplied to **Q1004 (LM2902PWR)**, demodulated and output on pin14. The signal is then Fed to J1004 and to the MPU IC **Q2004 (R5F3650MNFB)** on the CNTL Unit.

PA (Public Address) Circuit

The voice from the microphone is connected to the J2006 on the CNTL Unit. This audio is fed through the pin 44 of J2001 to the pin 44 of J1001 on the MAIN Unit. This audio is amplified by **Q1003 (NJM12902V)**, then passes the MIC select switch **Q1024 (CD4053BPWR)** and the IC/MIC select switch **Q1036 (CD4066BPWR)** to the buffer amplifier **Q1002 (LM2902PWR)**. The amplified audio is fed through the LB/HAIL select switch **Q1036 (CD4066BPWR)** to the buffer amplifier **Q1002 (LM2902PWR)** and **Q1051 (LM2904PWR)**.

The amplified audio is delivered to the electronic volume control IC **Q1045 (M61545AFP)** for volume control. The adjusted audio is delivered to the audio power amplifier **Q1047 (TB2922HQ)** which is amplified the voice audio up to 30 watts, and then passes through the relay switch RL4001 on the AIS Unit to the external PA speaker.

LB (Listen Back) Circuit

The listen back audio from the PA speaker is fed through the relay switch RL4001 on the AIS Unit to the buffer amplifier **Q1051 (LM2904PWR)** on the MAIN Unit. The amplified listen back audio passes through the LB/HAIL selector switch **Q1050 (TC4S66F)** to the MUTE switch **Q1036 (CD4066BPWR)**. The audio then passes through the electronic volume control IC **Q1045 (M61545AFP)** for volume control. The adjusted audio is fed through the buffer amplifier **Q1002 (LM2902PWR)** to the audio power amplifier **Q1049 (LA4425A)** which is amplified the voice audio up to 4.5 watts, and then deliver to the internal or external speaker.

Fog Horn Circuit

A 400 Hz square wave for foghorn is generated by the MPU IC **Q2004 (R5F3650MNFB)** on the CNTL Unit, then deliver to the MAIN Unit. A 400 Hz square wave passes through the buffer amplifier **Q1051 (LM2904PWR)** to the electronic volume control IC **Q1045 (M61545AFP)** for volume control. The adjusted audio is delivered to the audio power amplifier **Q1047 (TB2922HQ)** which is amplified the voice audio up to 30 watts, and then passes through the relay switch RL4001 on the AIS Unit to the external PA speaker.

MPU

Operation is controlled by 8-bit MPU IC **Q2004 (R5F3650MNFB)**. The system clock uses a 9.8304 MHz crystal for a time base.

EEPROM

The EE-PROM **Q2005 (R1EX24256ASAS0I)** retains TX and RX data for all memory channels, prescaler dividing, IF frequency, local oscillator injection side, and reference oscillator data.

Circuit Description

Note

The **GX2000/GX2100** has been carefully aligned at the factory for the specified performance across the marine band.

Realignment should therefore not be necessary except in the event of a component failure. All component replacement and service should be performed only by an authorized Standard Horizon representative, or the warranty policy may be voided.

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

We recommend that servicing be performed only by authorized Standard Horizon service technicians who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized Standard Horizon service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components.

Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, Standard Horizon, a division of Vertex Standard must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners. Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary.

The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order presented.

Required Test Equipment

- ☐ RF Signal Generator with calibrated output level at 200 MHz
- ☐ Deviation Meter (linear detector)
- ☐ AF Millivoltmeter
- ☐ SINAD Meter
- ☐ Inline Wattmeter with 5% accuracy at 200 MHz
- ☐ Regulated DC Power Supply: 13.8 VDC, 10A
- ☐ 50-ohm Non-reactive Dummy Load: 30 W at 200 MHz
- ☐ Frequency Counter: >0.1 ppm accuracy at 200 MHz
- ☐ AF Signal Generator
- ☐ DC Voltmeter: high impedance
- ☐ VHF Sampling Coupler
- ☐ AF Dummy Load: 4 Ohms, 10 W
- ☐ Oscilloscope
- ☐ Spectrum Analyzer
- ☐ CP180 GPS/Chart Plotter
- ☐ GX5500S Marine Transceiver

Alignment Preparation & Precautions

A dummy load and inline wattmeter must be connected to the main antenna jack in all procedures that call for transmission. Correct alignment is not possible with an antenna.

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

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

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

Alignment

Overview of Alignment Mode

The alignment mode has been build into the microprocessor in order to adjust and confirm the performance of transceiver.

The purpose is to adjust transceiver simply and to confirm the performance of transceiver smoothly.

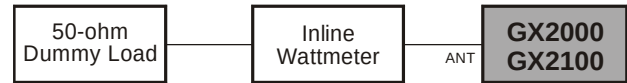
Starting Alignment Mode

Confirm that [PWR▼/VOL] knob is off, and short the TEST points (JP1001).

Press and hold the [PWR▼/VOL] knob until the radio turns on while press and holding the [DISTRESS] and [CLR(WX)] keys.

Transmit Power Adjustment

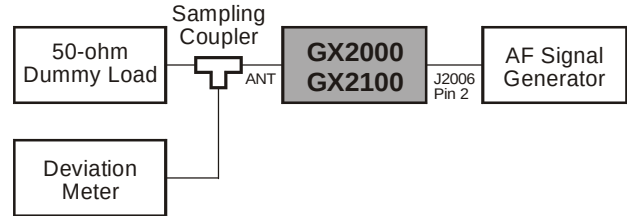
- ❑ Setup the test equipment as shown below.



- ❑ Set the channel to CH16.
- ❑ Use the [H/L] key to set the transceiver to “HI” power.
- ❑ With the **PTT** switch pressed, adjust **VR1001** so that RF output power is 24 W.
- ❑ Release the **PTT** switch, then set the transceiver to “LOW” power by the [H/L] key.
- ❑ With the **PTT** switch pressed, adjust **VR1002** so that RF output power is 0.8 W.
- ❑ Release the **PTT** switch.

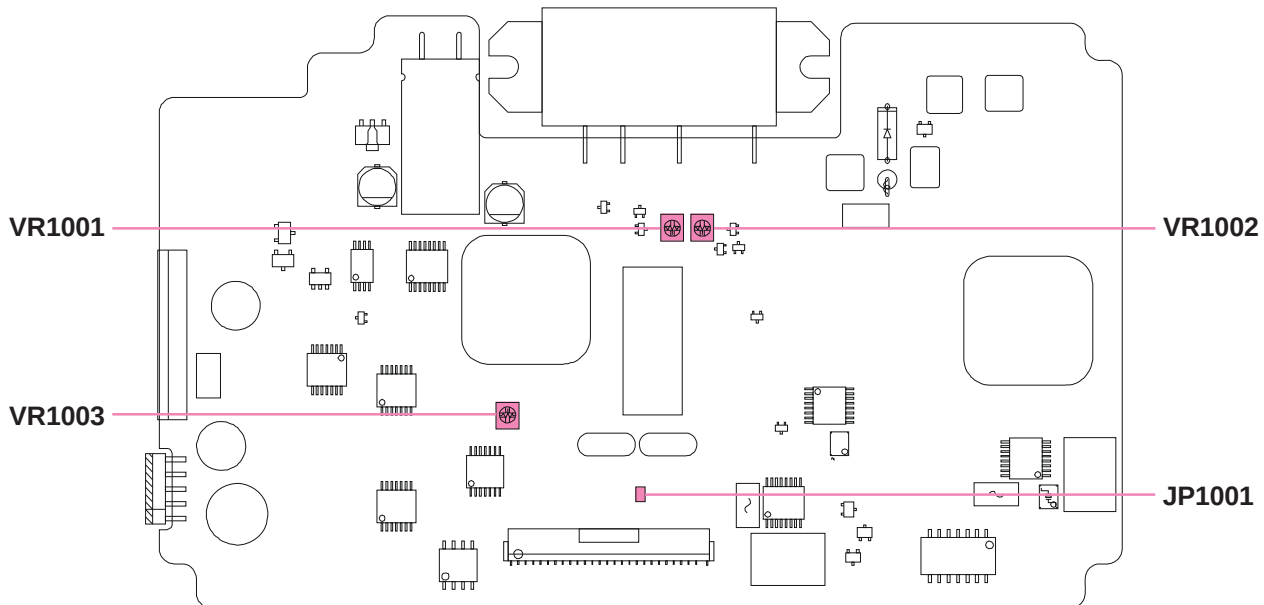
TX Deviation Adjustment

- ❑ Setup the test equipment as shown below.



- ❑ Set the AF Signal Generator output to 200 mVrms at 1 kHz.
- ❑ Set the channel to CH16.
- ❑ With the **PTT** switch pressed, adjust **VR1003** so that the maximum deviation is 4.2 kHz $\pm$ 0.1 kHz.
- ❑ Release the **PTT** switch.

After alignment is completed, turn the transceiver’s power off, then disconnect the Jumper from the TEST points (JP1001).



MAIN UNIT ALIGNMENT POINT

Software Alignment/Confirmation Mode

Overview of Software Alignment Mode

The "Software Alignment Mode" has been build in the microprocessor in order to adjust and confirm the performance of transceiver.

The purpose is to adjust transceiver simply and to confirm the performance of transceiver smoothly.

Starting Software Alignment Mode

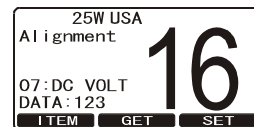
- ❑ Set the channel to CH16, then press and hold in the [PWR▼/VOL] knob to turn off the radio.
- ❑ Short the TEST points (JP1001).
- ❑ Setup the test equipment as shown below.



- ❑ Press and hold the [PWR▼/VOL] knob until the radio turns on while press and holding the [DISTRESS] and [CALL(MENU)] keys. The LCD will be shown the "Alignment"
- ❑ Set the RF Signal Generator output to 156.800 MHz, at a level of $-8\text{dB}\mu$ (for USA/EXP models) or $-6\text{dB}\mu$ (for CE model), $\pm 3.0\text{ kHz}$ deviation with a 1 kHz audio tone.
- ❑ Press the [ITEM] soft key several times until the Alignment Item "04: THRESH".
- ❑ Press the [GET] soft key, then press the [ENT] soft key to save the new setting.

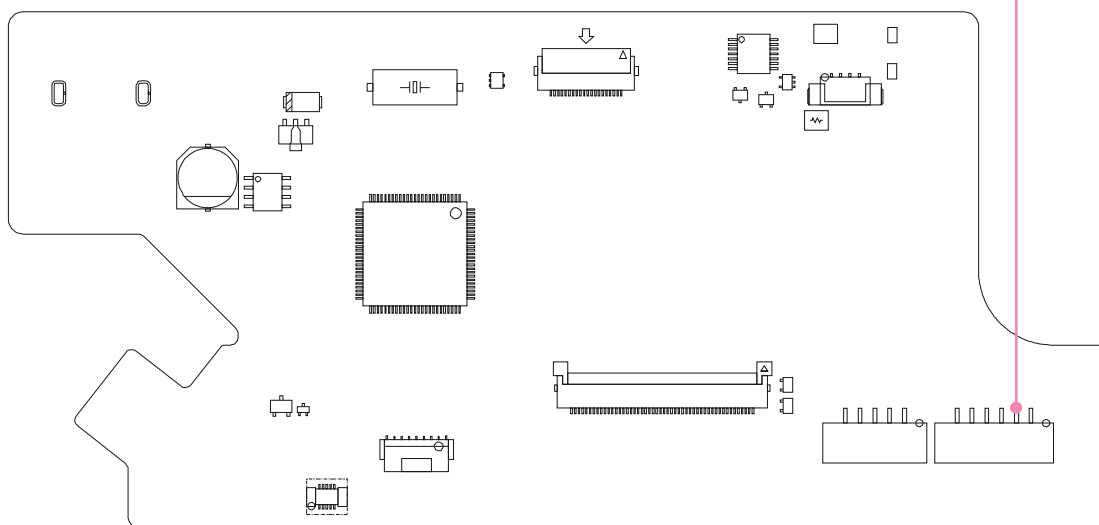


- ❑ Press the [ITEM] soft key to recall the Alignment Item "05: TIGHT".
- ❑ Set the RF Signal Generator output to 156.800 MHz, at a level of $+3\text{dB}\mu$, $\pm 3.0\text{ kHz}$ deviation with a 1 kHz audio tone.
- ❑ Press the [GET] soft key, then press the [ENT] soft key to save the new setting.
- ❑ Press the [ITEM] soft key to recall the Alignment Item "06: CH70SQL".
- ❑ Set the RF Signal Generator output to 156.525 MHz, at a level of $-4\text{dB}\mu$, $\pm 3.0\text{ kHz}$ deviation with a 1 kHz audio tone.
- ❑ Press the [GET] soft key, then press the [ENT] soft key to save the new setting.
- ❑ Press the [ITEM] soft key to recall the Alignment Item "07: DC VOLT".
- ❑ Press the [GET] soft key, then press the [ENT] soft key to save the new setting.



This completes the Software Alignment Mode. To save all settings and exit, press and hold the [DISTRESS] key for one second. Turn the transceiver's power off, then disconnect the Jumper from the TEST points (JP1001).

Pin 2 of J2006



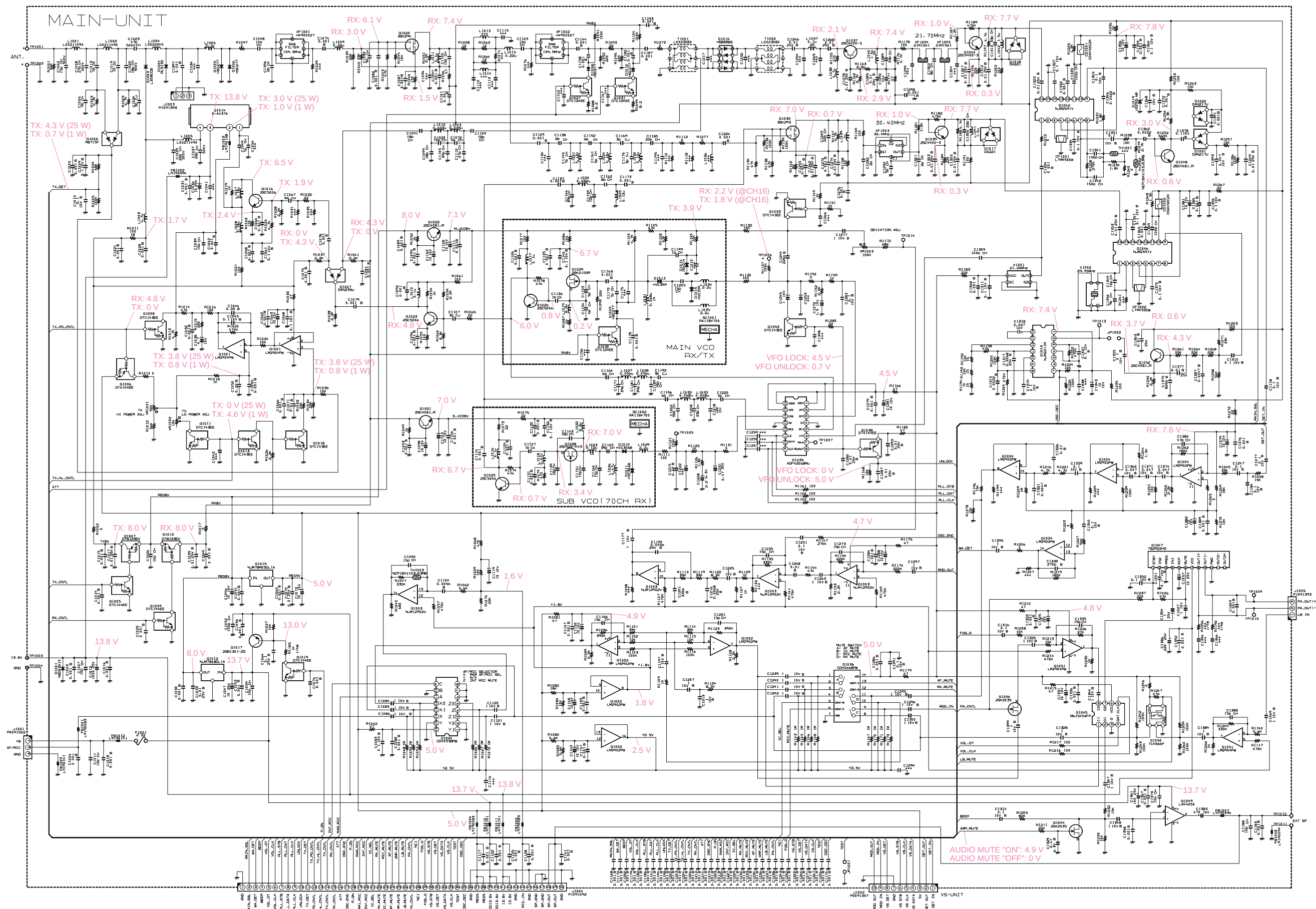
CNTL UNIT ALIGNMENT POINT

Alignment

Note

MAIN Unit (Lot 1 ~ 3)

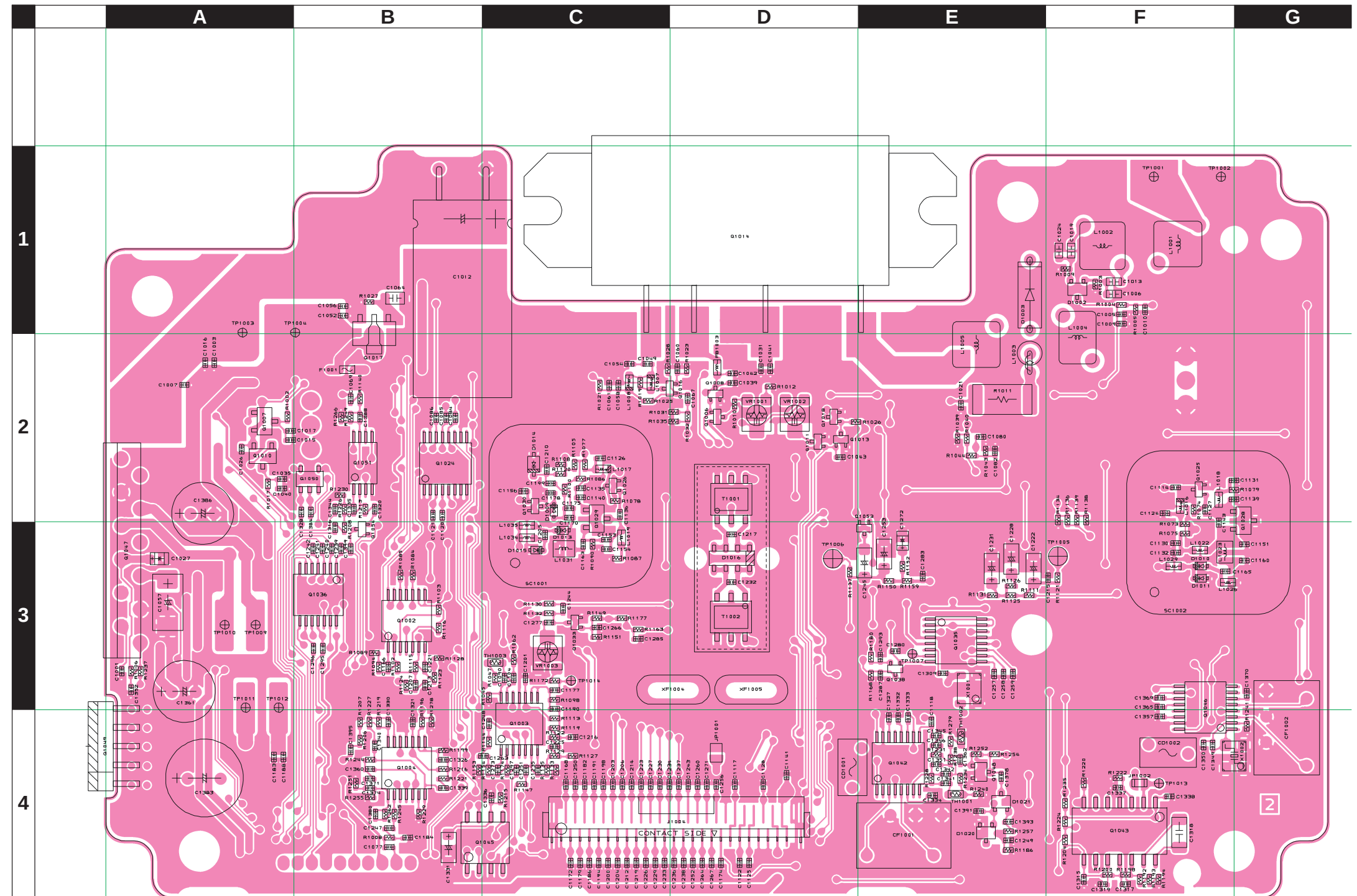
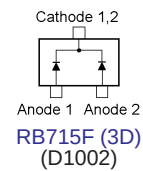
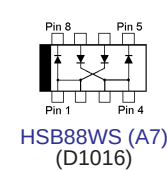
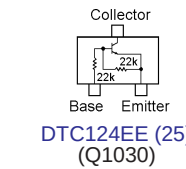
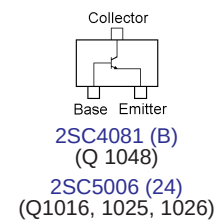
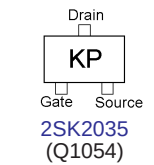
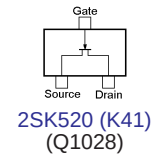
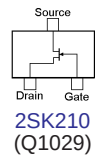
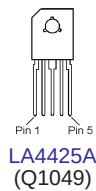
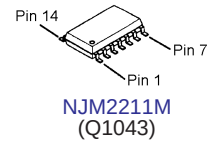
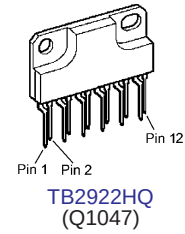
Circuit Diagram



MAIN Unit (Lot 1 ~ 3)

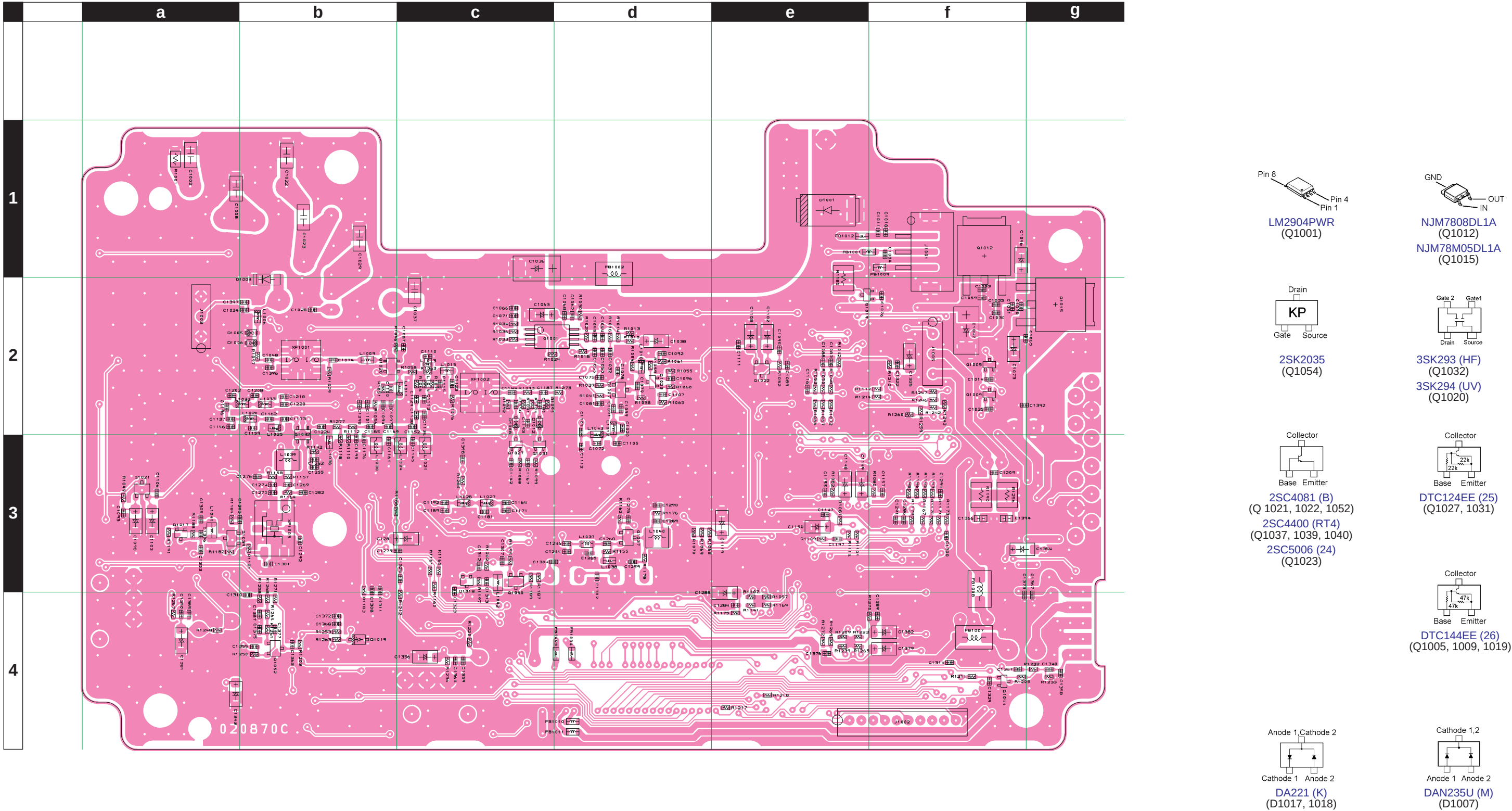
Note

Parts Layout (Side A)



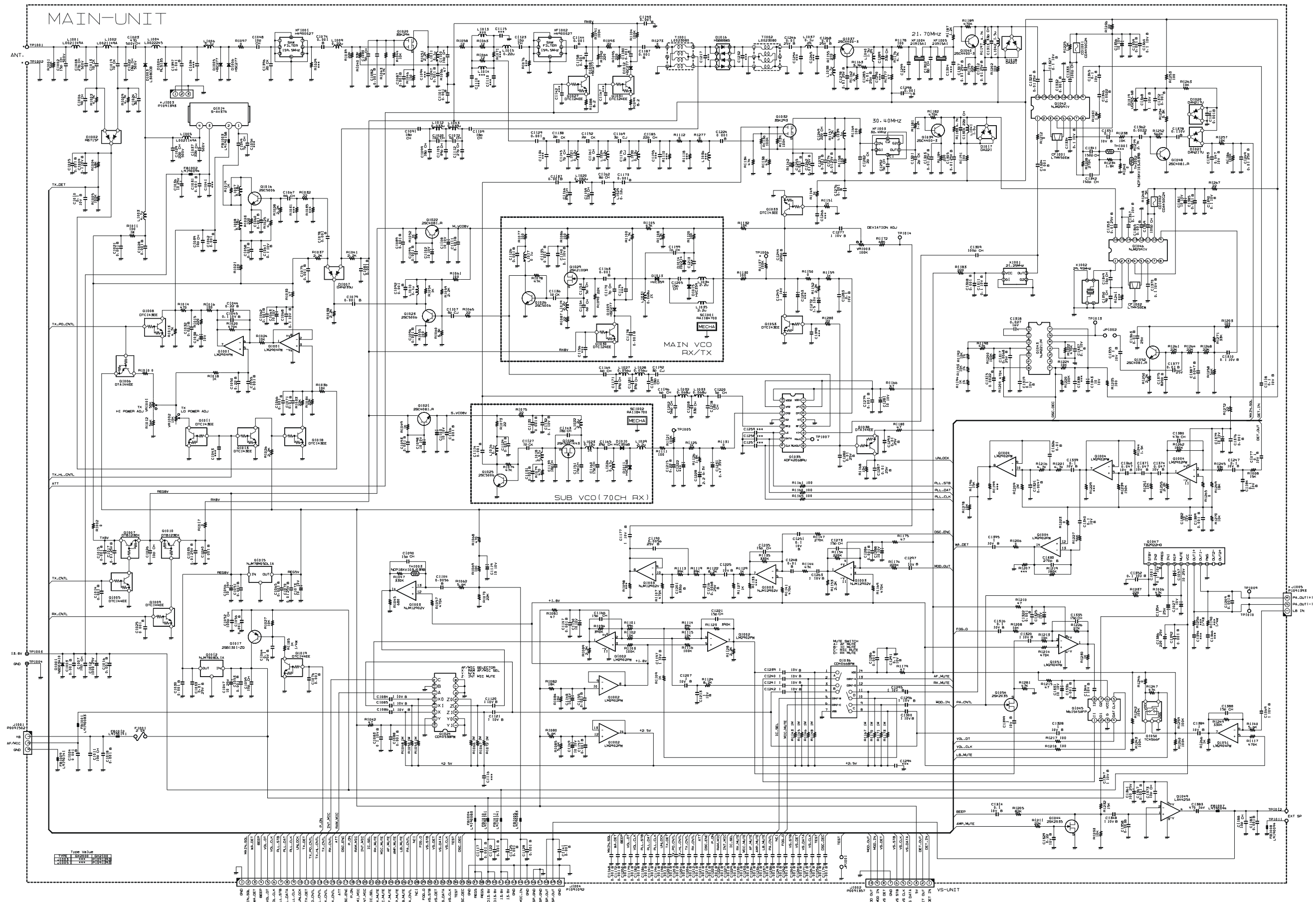
MAIN Unit (Lot 1 ~ 3)

Parts Layout (Side B)



MAIN Unit (Lot 4 ~)

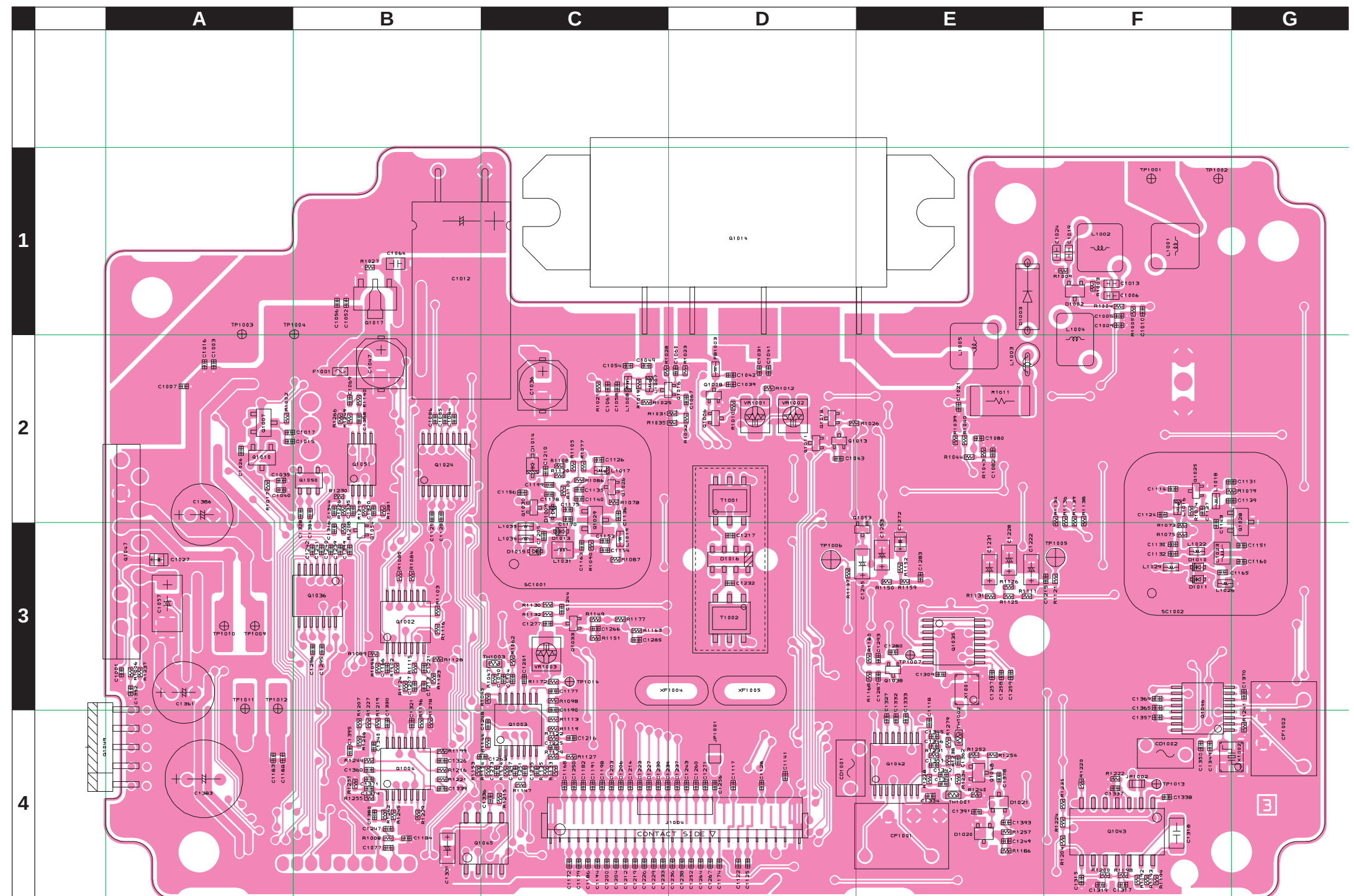
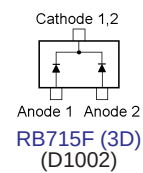
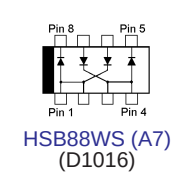
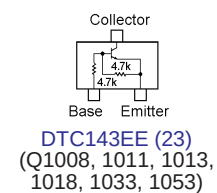
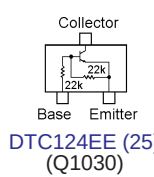
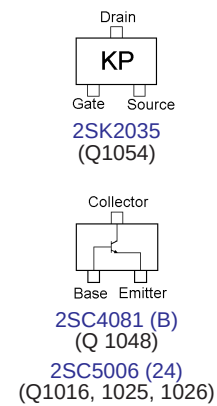
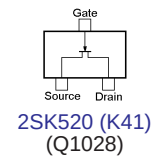
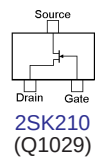
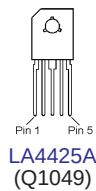
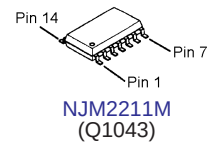
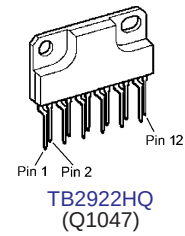
Circuit Diagram



MAIN Unit (Lot 4 ~)

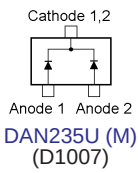
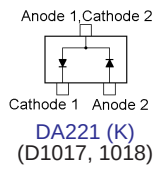
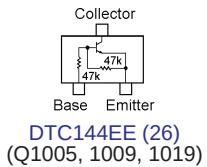
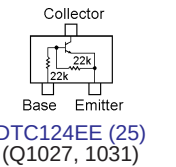
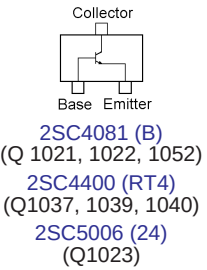
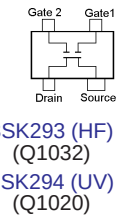
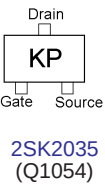
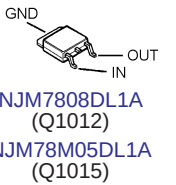
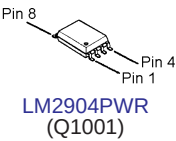
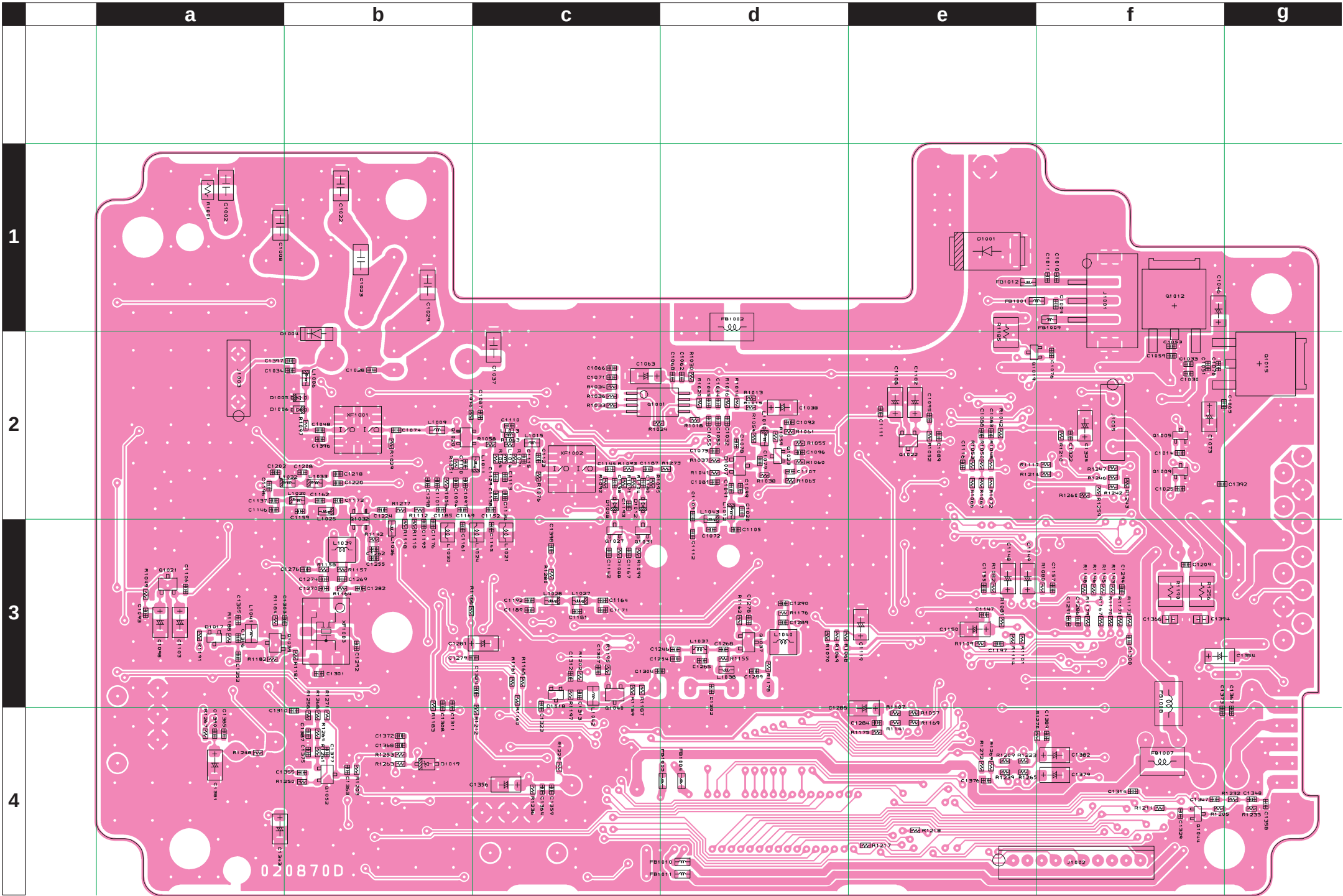
Note

Parts Layout (Side A)



MAIN Unit (Lot 4 ~)

Parts Layout (Side B)



REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
P.C.B. with Components						CS2066701	GX2000 (USA model)			
						CS2066702	GX2000 (EXP model)			
						CS2066703	GX2000 (CE model)			
						CS2066704	GX2100 (USA model)			
						CS2066705	GX2100 (EXP model)			
						CS2066706	GX2100 (CE model)			
Printed Circuit Board						FR020870C	1-			
						FR020870D	4-			
C 1001	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 1002	CHIP CAP.	15pF	500V	CH	1206N150J501LT	K22278211		1-	B	a1
C 1003	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 1004	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f1
C 1005	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F1
C 1006	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CZ01D	K22174205		1-	A	F1
C 1007	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	a2
C 1008	CHIP CAP.	27pF	500V	CH	1206N270J501LT	K22278214		1-	B	a1
C 1009	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F1
C 1010	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F1
C 1011	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	f1
C 1012	AL.ELECTRO.CAP.	1000uF	25V		SL025M102G20PKKKS00R	K40149072		1-	A	C1
C 1013	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	F1
C 1014	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1015	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 1016	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 1017	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A2
C 1018	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f1
C 1019	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	F1
C 1020	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	d2
C 1021	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E2
C 1022	CHIP CAP.	18pF	500V	CH	1206N180J501LT	K22278212		1-	B	b1
C 1023	CHIP CAP.	47pF	500V	CH	1206N470J501LT	K22278217		1-	B	b1
C 1024	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	A	F1
C 1025	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1026	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	A2
C 1027	CHIP TA.CAP.	1uF	10V		F921A105MPA	K78100080		1-	A	A3
C 1028	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1029	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213		1-	B	b1
C 1030	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1031	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D2
C 1032	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1033	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	f2
C 1035	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A2
C 1036	AL.ELECTRO.CAP.	10uF	25V		USA1E100MDD	K40149076		1-3	A	C2
C 1036	AL.ELECTRO.CAP.	10uF	25V		UWX1E100MCL1GB	K48140022		4-	A	C2
C 1037	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213		1-	B	c2
C 1038	CHIP TA.CAP.	4.7uF	10V		F931A475MAA	K78100077		1-	B	d2
C 1039	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	D2
C 1040	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 1042	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D2
C 1044	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	B	d2
C 1045	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d2
C 1046	CHIP TA.CAP.	10uF	16V		F931C106MAA	K78120095		1-	B	f1
C 1047	AL.ELECTRO.CAP.	10uF	25V		USA1E100MDD	K40149076		1-3	A	B2
C 1047	AL.ELECTRO.CAP.	10uF	25V		UWX1E100MCL1GB	K48140022		4-	A	B2
C 1048	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	b2
C 1049	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		1-	A	C2
C 1050	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	B	d2
C 1051	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1052	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B1
C 1053	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1055	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1056	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 1057	CHIP TA.CAP.	10uF	25V		F931E106MCC	K78140035		1-	A	A3
C 1058	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 1059	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	f2
C 1060	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D2
C 1061	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C2
C 1062	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1063	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c2
C 1064	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	B1
C 1065	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g2
C 1066	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1067	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	D2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1068	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d2
C 1069	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1070	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	f2
C 1071	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1072	CHIP CAP.	4pF	50V	CH	GRM1552C1H4R0BZ01D	K22178291		1-	B	d3
C 1073	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	f2
C 1074	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1075	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1076	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1077	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B4
C 1078	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1079	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1080	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	E2
C 1081	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1082	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E2
C 1083	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e2
C 1084	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1085	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1086	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1087	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1088	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e2
C 1089	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e2
C 1090	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C3
C 1091	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d2
C 1092	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1093	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a3
C 1095	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e2
C 1096	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1097	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1098	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a3
C 1099	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d2
C 1100	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	b2
C 1101	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1102	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e2
C 1103	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a3
C 1104	CHIP CAP.	0.0056uF	25V	B	GRM155B11E562KA01D	K22148802		1-	A	C3
C 1105	CHIP CAP.	39pF	50V	CH	GRM1552C1H390GZ01D	K22179703		1-	B	d3
C 1106	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a3
C 1107	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	B	d2
C 1108	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e2
C 1109	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d2
C 1111	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e2
C 1112	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	d3
C 1114	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F2
C 1117	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1118	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E4
C 1119	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e3
C 1120	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1121	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1122	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1123	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	c2
C 1124	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F2
C 1125	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1126	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 1127	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	F2
C 1128	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1129	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1130	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F3
C 1131	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G2
C 1132	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F3
C 1135	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 1136	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	C2
C 1137	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a2
C 1138	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BZ01D	K22178289		1-	B	c2
C 1139	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	A	G2
C 1140	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C2
C 1141	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1143	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	A	F3
C 1144	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1145	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		1-	B	c3
C 1146	CHIP CAP.	39pF	50V	CH	GRM1552C1H390GZ01D	K22179703		1-	B	a2
C 1147	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1148	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		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 1149	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e3
C 1150	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e3
C 1151	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	G3
C 1152	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BZ01D	K22178289		1-	B	c2
C 1153	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	C3
C 1154	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	C3
C 1155	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1157	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1158	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1159	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	b2
C 1160	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	G3
C 1161	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	B	b3
C 1162	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0BZ01D	K22178295		1-	B	b2
C 1163	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1164	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	B	c3
C 1165	CHIP CAP.	39pF	50V	CH	GRM1552C1H390GZ01D	K22179703		1-	A	F3
C 1166	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B3
C 1168	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1169	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	B	b2
C 1170	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		1-	A	C2
C 1171	CHIP CAP.	39pF	50V	CH	GRM1552C1H390GZ01D	K22179703		1-	B	c3
C 1172	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1173	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1174	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1176	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	B	b3
C 1177	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	C3
C 1178	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 1179	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1180	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1181	CHIP CAP.	39pF	50V	CH	GRM1552C1H390GZ01D	K22179703		1-	B	c3
C 1182	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1183	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A4
C 1184	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B4
C 1185	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	B	b2
C 1186	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1187	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1188	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	A4
C 1189	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	c3
C 1190	CHIP CAP.	0.0056uF	25V	B	GRM155B11E562KA01D	K22148802		1-	A	C3
C 1191	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1192	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	B	c3
C 1193	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 1194	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1196	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	B	a2
C 1197	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	e3
C 1198	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1199	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	C2
C 1200	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1201	CHIP CAP.	330pF	50V	B	GRM155B11H331KA01D	K22178803		1-	A	C3
C 1202	CHIP CAP.	56pF	50V	CH	GRM1552C1H560GD01D	K22179704		1-	B	a2
C 1203	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1204	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1205	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C3
C 1206	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1207	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1208	CHIP CAP.	33pF	50V	CH	GRM1552C1H330GZ01D	K22179708		1-	B	b2
C 1209	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1212	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1213	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1214	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1215	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	A	F3
C 1216	CHIP CAP.	0.0068uF	25V	B	GRM155B11E682KA01D	K22148803		1-	A	C4
C 1218	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	b2
C 1219	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1220	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	B	b2
C 1221	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B3
C 1223	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1224	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1225	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	C4
C 1226	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1227	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1228	CHIP TA.CAP.	2.2uF	6.3V		F930J225MAA	K78080093		1-	A	E3
C 1229	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1230	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1231	CHIP TA.CAP.	0.47uF	35V		F931V474MAA	K78160055		1-	A	E3
C 1233	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1234	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1235	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C4
C 1236	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1237	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1238	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1239	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1240	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1241	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1242	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1243	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1244	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-	A	C3
C 1245	CHIP TA.CAP.	1uF	16V		F931C105MAA	K78120082		1-	A	E3
C 1246	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d3
C 1247	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B4
C 1248	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C4
C 1249	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1250	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1251	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 1252	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1255	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1256	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1260	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1262	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 1263	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	C4
C 1264	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1267	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1268	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d3
C 1269	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	B	b3
C 1270	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1271	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1272	CHIP TA.CAP.	1.5uF	10V		F921A155MPA	K78100086		1-	A	E3
C 1273	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C4
C 1274	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 1276	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1277	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	C3
C 1278	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d3
C 1279	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c3
C 1280	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E3
C 1281	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c3
C 1282	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BZ01D	K22178289		1-	B	b3
C 1283	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E3
C 1284	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1285	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C3
C 1286	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1287	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E3
C 1288	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e4
C 1289	CHIP CAP.	33pF	50V	CH	GRM1552C1H330GZ01D	K22179708		1-	B	d3
C 1291	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f3
C 1292	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	B	b3
C 1293	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E3
C 1295	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1296	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
C 1297	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	C4
C 1298	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1300	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	f3
C 1301	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BZ01D	K22178289		1-	B	b3
C 1302	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0BZ01D	K22178295		1-	B	d3
C 1303	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 1305	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a3
C 1306	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	B	a3
C 1307	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1308	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1309	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	E3
C 1310	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b4
C 1311	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b3
C 1312	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1313	CHIP CAP.	33pF	50V	CH	GRM1552C1H330GZ01D	K22179708		1-	B	c3
C 1314	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f4
C 1315	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	F4
C 1316	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B3

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1317	CHIP CAP.	0.0068uF	25V	B	GRM155B11E682KA01D	K22148803		1-	A	F4
C 1318	FILM CAP.	0.027uF	16V		ECHU1C273JX5	K57120041		1-	A	F4
C 1319	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F4
C 1320	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1321	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		1-	A	B4
C 1322	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1323	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1324	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c3
C 1325	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	f2
C 1326	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B4
C 1327	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E4
C 1328	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1329	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	B	f4
C 1330	CHIP CAP.	270pF	50V	B	GRM155B11B271KD01D	K22178802		1-	A	B4
C 1331	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	B4
C 1332	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E4
C 1333	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	E4
C 1334	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E4
C 1335	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B2
C 1336	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 1337	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F4
C 1339	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B4
C 1340	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B4
C 1341	CHIP CAP.	150pF	50V	CH	GRM1552C1H151JA01D	K22178240		1-	A	E4
C 1342	CHIP CAP.	150pF	50V	CH	GRM1552C1H151JA01D	K22178240		1-	A	E4
C 1343	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a4
C 1344	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1345	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E4
C 1346	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	E4
C 1347	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	f4
C 1348	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	g4
C 1349	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	F4
C 1350	CHIP CAP.	9pF	50V	CH	GRM1552C1H9R0BZ01D	K22178296		1-	A	F4
C 1351	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E4
C 1352	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 1353	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a3
C 1354	CHIP TA.CAP.	1uF	25V		F931E105MAA	K78140033		1-	B	f3
C 1355	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b4
C 1356	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c4
C 1357	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F4
C 1358	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g4
C 1359	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c4
C 1360	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	A	B4
C 1361	AL.ELECTRO.CAP.	100uF	25V		SK025M101E11PKKKS00R	K40149073		1-	A	A3
C 1362	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	E4
C 1363	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b4
C 1364	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c4
C 1365	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F3
C 1367	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g4
C 1368	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	b4
C 1369	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	F3
C 1370	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G3
C 1371	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	A	B4
C 1372	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b4
C 1373	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	B	f4
C 1374	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	A	B4
C 1375	CHIP CAP.	820pF	50V	B	GRM155B11H821KA01D	K22178808		1-	B	b4
C 1376	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1377	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b4
C 1378	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E4
C 1379	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	f4
C 1380	CHIP CAP.	47pF	50V	CH	GRM1552C1H470GZ01D	K22179709		1-	A	B4
C 1381	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a4
C 1382	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	f4
C 1383	AL.ELECTRO.CAP.	470uF	16V		SL016M471F12PKKKS00R	K40129102		1-	A	A4
C 1384	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B2
C 1385	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a4
C 1386	AL.ELECTRO.CAP.	220uF	25V		EKM0250ELL221MF11D	K40149071		1-	A	A2
C 1387	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		1-	B	b4
C 1388	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B2
C 1389	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f4
C 1390	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	a4
C 1391	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E4

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1392	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1393	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	A	E4
C 1395	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B4
C 1396	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BZ01D	K22178289		1-	B	b2
C 1397	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1399	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	B3
CD1001	CERAMIC DISC				CDA450C24	H7901430		1-	A	E4
CD1002	CERAMIC DISC				CDA450C24	H7901430		1-	A	F4
CF1001	CERAMIC FILTER				LTM450EW	H3900574		1-	A	E4
CF1002	CERAMIC FILTER				LTM450EW	H3900574		1-	A	G4
D 1001	DIODE				NSD03A10-TE16L3	G2070272		1-	B	e1
D 1002	DIODE				RB715F T106	G2070752		1-	A	F1
D 1003	DIODE				L308CCB	G2090792		1-	A	E1
D 1004	DIODE				RLS135 TE-11	G2070128		1-	B	b2
D 1005	DIODE				HSC277TRF-E	G2070584		1-	B	b2
D 1006	DIODE				HSC277TRF-E	G2070584		1-	B	b2
D 1007	DIODE				DAN235U TL	G2070176		1-	B	d2
D 1008	DIODE				HSC277TRF-E	G2070584		1-	B	c2
D 1009	DIODE				HSC277TRF-E	G2070584		1-	A	C2
D 1010	DIODE				HVC306B TRU-E	G2070918		1-	A	F3
D 1011	DIODE				HVC306B TRU-E	G2070918		1-	A	F3
D 1012	DIODE				HSC277TRF-E	G2070584		1-	B	c2
D 1013	DIODE				HVC359 TRF-E	G2070708		1-	A	C3
D 1014	DIODE				1SV214(TPH2.F)	G2070356		1-	A	C2
D 1015	DIODE				HVC359 TRF-E	G2070708		1-	A	C3
D 1016	DIODE				HSB88WS TR-E	G2070290		1-	A	D3
D 1017	DIODE				DA221 TL	G2070178		1-	B	a3
D 1018	DIODE				DA221 TL	G2070178		1-	B	c3
D 1019	DIODE				UDZS TE-17 5.6B	G2070910		1-	B	b4
D 1020	DIODE				DAN217U T106	G2071236		1-	A	E4
D 1021	DIODE				DAN217U T106	G2071236		1-	A	E4
F 1001	CHIP FUSE	2A			FCC16 202ADTP	Q0000147		1-	A	B2
FB1001	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f1
FB1002	FERRITE BEADS				SMB304729	L9190094		1-	B	d1
FB1003	FERRITE BEADS				FBMH1608HM102-T	L9190158		1-	A	D2
FB1004	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	d4
FB1005	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	d4
FB1007	FERRITE BEADS				SMB304729	L9190094		1-	B	f4
FB1008	FERRITE BEADS				SMB304729	L9190094		1-	B	f3
FB1009	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	f1
FB1010	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	d4
FB1011	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	d4
FB1012	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	e1
J 1001	CONNECTOR				A2001WV-S-03PD01	P0091502		1-	B	f1
J 1002	CONNECTOR				PI28A10M	P0091357		1-	B	e4
J 1003	CONNECTOR				22P8571-03S10B-01G-3.2-N	P1091393	GX2100	1-	B	a2
J 1004	CONNECTOR				FH12-50S-0.5SV	P1091092		1-	A	D4
J 1005	CONNECTOR				22P8571-03S10B-01G-3.2-N	P1091393	GX2100	1-	B	f2
JP1002	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	F4
L 1001	COIL A1				4.5T3.5D0.8UEW R	L0021149A		1-	A	F1
L 1002	COIL A1				4.5T3.5D0.8UEW R	L0021149A		1-	A	F1
L 1003	M.RFC	4.7uH			LAL03NA4R7K	L1190203		1-	A	E2
L 1004	COIL A1				3.5T4.0D0.8UEW R	L0022245		1-	A	F1
L 1005	COIL A1				4.5T3.5D0.8UEW R	L0021149A		1-	A	E1
L 1006	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	B	b2
L 1007	M.RFC	0.18uH			HK1608 R18J-T	L1690939		1-	A	C2
L 1008	M.RFC	0.18uH			HK1608 R18J-T	L1690939		1-	A	C2
L 1009	M.RFC	0.22uH			LK1608 R22K-T	L1690410		1-	B	b2
L 1010	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	B	d2
L 1011	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	B	c2
L 1012	M.RFC	0.033uH			HK1608 33NJ-T	L1690522		1-	B	d2
L 1015	M.RFC	0.22uH			LK1608 R22K-T	L1690410		1-	B	c2
L 1016	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	F2
L 1017	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	C2
L 1018	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	A	F2
L 1019	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C3
L 1020	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	b2
L 1021	CHIP COIL	0.12uH			LQW2BHNR12J03L	L1690621		1-	B	c3
L 1022	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	F3
L 1023	M.RFC	0.12uH		1%	C2012C-R12F-RC	L1691587		1-	A	F3
L 1024	CHIP COIL	0.12uH			LQW2BHNR12J03L	L1690621		1-	B	c3
L 1025	M.RFC	0.12uH			HK1608 R12J-T	L1690937		1-	B	b2
L 1026	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	A	F3

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 1027	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	c3
L 1028	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	c3
L 1029	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	F3
L 1030	CHIP COIL	0.12uH			LQW2BHNR12J03L	L1690621		1-	B	b3
L 1031	M.RFC	0.068uH		1%	C2012C-68NF-RC	L1691580		1-	A	C3
L 1032	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	b2
L 1033	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	b2
L 1034	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C3
L 1035	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C3
L 1037	M.RFC	0.1uH		2%	C1608CB-R10G-RF	L1691045		1-	B	d3
L 1038	M.RFC	4.7uH			LK1608 4R7K-T	L1690688		1-	B	d3
L 1039	CHIP COIL	1uH		10%	C2520C-1R0K-RK	L1690727		1-	B	b3
L 1040	CHIP COIL	1.5uH		2%	C2520C-1R5G-RA	L1691311		1-	B	d3
L 1041	M.RFC	1uH			LK2125 1R0K-T	L1690319		1-	B	a3
L 1042	M.RFC	1.5uH			LK2125 1R5K-T	L1690321		1-	B	c3
L 1043	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	B	d2
Q 1001	IC				LM2904PWR	G1094010		1-	B	c2
Q 1002	IC				LM2902PWR	G1094009		1-	A	B3
Q 1003	IC				NJM12902V-TE1	G1093592		1-	A	C4
Q 1004	IC				LM2902PWR	G1094009		1-	A	B4
Q 1005	TRANSISTOR				DTC144EE TL	G3070075		1-	B	f2
Q 1006	TRANSISTOR				DTA144EE TL	G3070074		1-	A	D2
Q 1007	TRANSISTOR				DTB123EK T146	G3070022		1-	A	A2
Q 1008	TRANSISTOR				DTC143EE TL	G3070114		1-	A	D2
Q 1009	TRANSISTOR				DTC144EE TL	G3070075		1-	B	f2
Q 1010	TRANSISTOR				DTB123EK T146	G3070022		1-	A	A2
Q 1011	TRANSISTOR				DTC143EE TL	G3070114		1-	A	D2
Q 1012	IC				NJM7808DL1A-TE1	G1093802		1-	B	f1
Q 1013	TRANSISTOR				DTC143EE TL	G3070114		1-	A	D2
Q 1014	IC				S-AV37A(VX.Q)	G1094559		1-	A	C1
Q 1015	IC				NJM78M05DL1A-TE1	G1093660		1-	B	g2
Q 1016	TRANSISTOR				2SC5006-T1	G3350068		1-	A	D2
Q 1017	TRANSISTOR				2SB1301-T2 ZQ/ZP	G3213017Q		1-	A	B1
Q 1018	TRANSISTOR				DTC143EE TL	G3070114		1-	A	D2
Q 1019	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e2
Q 1020	FET				3SK294(TE85L)	G4802948		1-	B	b2
Q 1021	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	a3
Q 1022	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	e2
Q 1023	TRANSISTOR				2SC5006-T1	G3350068		1-	B	d2
Q 1024	IC				CD4053BPWR	G1093864		1-	A	B2
Q 1025	TRANSISTOR				2SC5006-T1	G3350068		1-	A	F2
Q 1026	TRANSISTOR				2SC5006-T1	G3350068		1-	A	C2
Q 1027	TRANSISTOR				DTC124EE TL	G3070109		1-	B	c3
Q 1028	FET				2SK520-T2B K43	G3805207C		1-	A	G2
Q 1029	FET				2SK210-GR(TE85R.F)	G3802107G		1-	A	C2
Q 1030	TRANSISTOR				DTC124EE TL	G3070109		1-	A	C2
Q 1031	TRANSISTOR				DTC124EE TL	G3070109		1-	B	c3
Q 1032	FET				3SK293(TE85L,F)	G4802938		1-	B	b3
Q 1033	TRANSISTOR				DTC143EE TL	G3070114		1-	A	C3
Q 1035	IC				ADF4206BRU	G1094759		1-	A	E3
Q 1036	IC				CD4066BPWR	G1093865		1-	A	B3
Q 1037	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	d3
Q 1038	TRANSISTOR				DTA144EE TL	G3070074		1-	A	E3
Q 1039	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	a3
Q 1040	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	c3
Q 1042	IC				NJM2591V-TE1	G1094024		1-	A	E4
Q 1043	IC				NJM2211M-TE1	G1092943		1-	A	F4
Q 1044	FET				2SK2035 TE85R	G3820357		1-	B	f4
Q 1045	IC				M61545AFP#DF0R	G1094722		1-	A	C4
Q 1046	IC				NJM2591V-TE1	G1094024		1-	A	F3
Q 1047	IC				TB2922HQ	G1094740		1-	A	A3
Q 1048	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	E4
Q 1049	IC				LA4425A	G1092241		1-	A	A4
Q 1050	IC				TC4S66F(TE85R.F)	G1090893		1-	A	B2
Q 1051	IC				LM2904PWR	G1094010		1-	A	B2
Q 1052	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	b4
Q 1053	TRANSISTOR				DTC143EE TL	G3070114		1-	A	E3
Q 1054	FET				2SK2035 TE85R	G3820357		1-	A	B3
R 1001	CHIP RES.	56k	1/10W	5%	RMC1/10T 563J	J24205563		1-	B	a1
R 1002	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A2
R 1003	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F1
R 1004	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	F1
R 1005	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1006	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A3
R 1008	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	B4
R 1009	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F1
R 1010	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D2
R 1011	CHIP RES.	100	1W	5%	RMC1 101JTE	J24305101		1-	A	E2
R 1012	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	A	D2
R 1013	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	d2
R 1014	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d2
R 1015	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	d2
R 1016	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 1017	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A2
R 1018	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 1019	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C2
R 1020	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	d2
R 1021	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 1023	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	D2
R 1024	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c2
R 1025	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	C2
R 1026	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D2
R 1027	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B1
R 1028	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	C2
R 1030	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	d2
R 1032	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	D2
R 1033	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	c2
R 1034	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	c2
R 1036	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c2
R 1037	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d2
R 1038	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d2
R 1039	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	E2
R 1040	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	E2
R 1041	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d2
R 1042	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	e2
R 1043	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	E2
R 1044	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E2
R 1045	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	A	C3
R 1046	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	b2
R 1047	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	C3
R 1048	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 1049	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	a3
R 1050	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 1051	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b2
R 1052	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 1053	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 1054	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 1055	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 1056	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	b2
R 1057	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	e4
R 1058	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	B	c2
R 1059	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d2
R 1060	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	d2
R 1061	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 1062	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	C3
R 1063	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	B	c2
R 1064	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	B	c2
R 1065	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d2
R 1066	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 1067	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 1068	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 1069	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d3
R 1070	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d3
R 1072	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 1073	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	F3
R 1074	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F2
R 1075	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	F3
R 1077	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 1078	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C2
R 1079	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	G2
R 1080	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	f3
R 1081	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	e3
R 1082	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	e3
R 1084	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1085	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	B3
R 1086	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1087	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C3
R 1088	CHIP RES.	8.2	1/16W	5%	RMC1/16S 8R2JTH	J24189069		1-	B	c3
R 1089	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B3
R 1090	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C3
R 1091	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c2
R 1092	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	c2
R 1093	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c2
R 1094	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	B3
R 1095	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	c2
R 1097	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b2
R 1099	CHIP RES.	8.2	1/16W	5%	RMC1/16S 8R2JTH	J24189069		1-	B	c3
R 1100	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	C2
R 1101	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	e3
R 1102	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1103	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B3
R 1104	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c2
R 1105	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C2
R 1107	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	e4
R 1108	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C2
R 1109	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e3
R 1111	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	E3
R 1112	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b2
R 1113	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	C4
R 1114	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	e3
R 1115	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1116	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B3
R 1117	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	f2
R 1119	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	C4
R 1120	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C2
R 1121	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F3
R 1122	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	A	C4
R 1123	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	B3
R 1124	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	A	B3
R 1125	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1126	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	E3
R 1127	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C4
R 1128	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B3
R 1129	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C4
R 1130	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 1131	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	E3
R 1132	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C3
R 1134	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F2
R 1135	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	C4
R 1136	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F2
R 1137	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D3
R 1138	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F2
R 1139	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F2
R 1140	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	B2
R 1141	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	e4
R 1142	CHIP RES.	82	1/16W	5%	RMC1/16S 820JTH	J24189012		1-	B	b3
R 1143	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1144	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C4
R 1145	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1146	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1147	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	A	C4
R 1148	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1149	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C3
R 1150	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	E3
R 1151	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C3
R 1152	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	E3
R 1153	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B4
R 1154	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	C4
R 1155	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		1-	B	d3
R 1157	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b3
R 1158	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b3
R 1159	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E3
R 1160	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1161	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1162	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	d3
R 1163	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	A	C3
R 1164	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b3
R 1165	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1166	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	b3

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1167	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1168	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 1169	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	e4
R 1170	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1171	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1172	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	C3
R 1173	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f3
R 1174	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	C4
R 1175	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	e4
R 1176	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	d3
R 1177	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	C3
R 1178	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d3
R 1179	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	f3
R 1180	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	E3
R 1181	CHIP RES.	1.2k	1/16W	5%	RMC1/16S 122JTH	J24189026		1-	B	b3
R 1182	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	a3
R 1183	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	b3
R 1184	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	a3
R 1185	CHIP RES.	1k	1/4W	5%	RMC1/4 102JATP	J24245102		1-	B	e2
R 1186	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	E4
R 1187	CHIP RES.	1.2k	1/16W	5%	RMC1/16S 122JTH	J24189026		1-	B	c3
R 1188	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	a3
R 1189	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c3
R 1191	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	a3
R 1192	CHIP RES.	10k	1/16W	1%	RMC1/16SK103FTH	J24189489		1-	A	F4
R 1193	CHIP RES.	10k	1/16W	1%	RMC1/16SK103FTH	J24189489		1-	A	F4
R 1194	CHIP RES.	1k	1/16W	1%	RMC1/16SK102FTH	J24189487		1-	A	F4
R 1195	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	c3
R 1196	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	B4
R 1197	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c3
R 1198	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F4
R 1200	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F4
R 1202	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1203	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b4
R 1204	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	F4
R 1205	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	f4
R 1206	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	B4
R 1208	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1209	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e4
R 1210	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	f2
R 1211	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	f4
R 1212	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c4
R 1213	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B2
R 1214	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	f2
R 1215	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	C4
R 1216	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	B4
R 1217	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e4
R 1218	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e4
R 1219	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	A	B4
R 1220	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F4
R 1221	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	B4
R 1222	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	F4
R 1223	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e4
R 1224	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F4
R 1225	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	c4
R 1226	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	B2
R 1227	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	A	B4
R 1228	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	A	E4
R 1230	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B2
R 1231	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	E4
R 1232	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	g4
R 1233	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	g4
R 1234	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	E4
R 1235	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F4
R 1236	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c4
R 1237	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	A3
R 1238	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E4
R 1239	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	e4
R 1240	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	E4
R 1242	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f2
R 1243	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f2
R 1244	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	B4
R 1245	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	B4

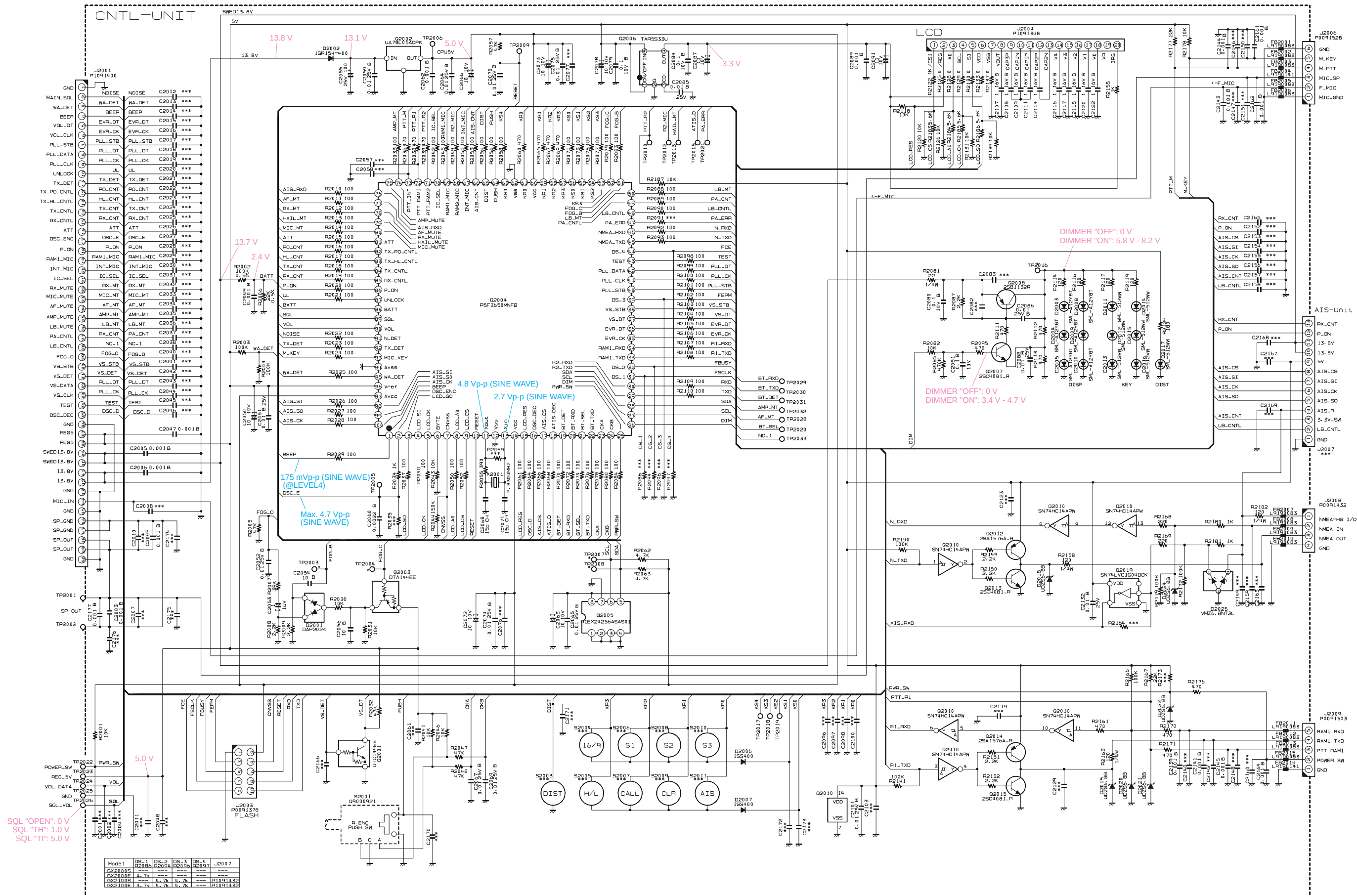
MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1246	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f2
R 1247	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	f2
R 1248	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	a4
R 1249	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	B2
R 1250	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b4
R 1251	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B4
R 1252	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	A	E4
R 1253	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b4
R 1254	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	E4
R 1255	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B4
R 1257	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E4
R 1258	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	B	b4
R 1259	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f2
R 1260	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f2
R 1261	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b4
R 1262	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	A	B4
R 1263	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1264	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b4
R 1265	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e4
R 1266	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B2
R 1267	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	a4
R 1268	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b4
R 1269	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	e4
R 1270	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f4
R 1271	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	b4
R 1272	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	e4
R 1273	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d2
R 1277	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b2
R 1278	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B4
R 1279	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	A	E4
R 1280	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c3
R 1281	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		4-	A	B2
SC1001	SHIELD CASE VCO					RA1184700		1-	A	C2
SC1002	SHIELD CASE VCO					RA1184700		1-	A	F3
T 1001	BALUN TRANSFORMERS				4BLH	L0023080		1-	A	D2
T 1002	BALUN TRANSFORMERS				4BLH	L0023080		1-	A	D3
TH1002	THERMISTOR				NCP18XV103J03RB	G9090179		1-	A	E4
TH1003	THERMISTOR				NCP18XV103J03RB	G9090179		1-	A	C3
VR1001	POT.	50k			EVN-5ESX50B54	J51811503		1-	A	D2
VR1002	POT.	10k			EVN-5ESX50B14	J51811103		1-	A	D2
VR1003	POT.	100k			EVN-5ESX50B15	J51811104		1-	A	C3
X 1001	TCXO	21.25MHz			DSB321SCA 21.25MHZ	H9501273		1-	A	E3
X 1002	XTAL DSX321G	29.95MHz			29.95MHZ	H0103402		1-	A	G4
XF1001	SAW FILTER				HDF160F SMD-3	H4900027		1-	B	b2
XF1002	SAW FILTER				HDF160F SMD-3	H4900027		1-	B	c2
XF1003	XTAL FILTER	MHz			D30415GQ1 30.4MHZ	H1102457		1-	B	b3
XF1004	XTAL FILTER				21R15A1 21.7MHZ	H1102459		1-	A	C3
XF1005	XTAL FILTER				21R15A1 21.7MHZ	H1102459		1-	A	D3
	SHIELD				(S)	RA1169100		1-		
	LEAF SPRING					RA1096200		1-		

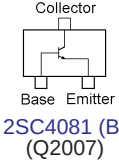
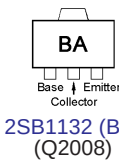
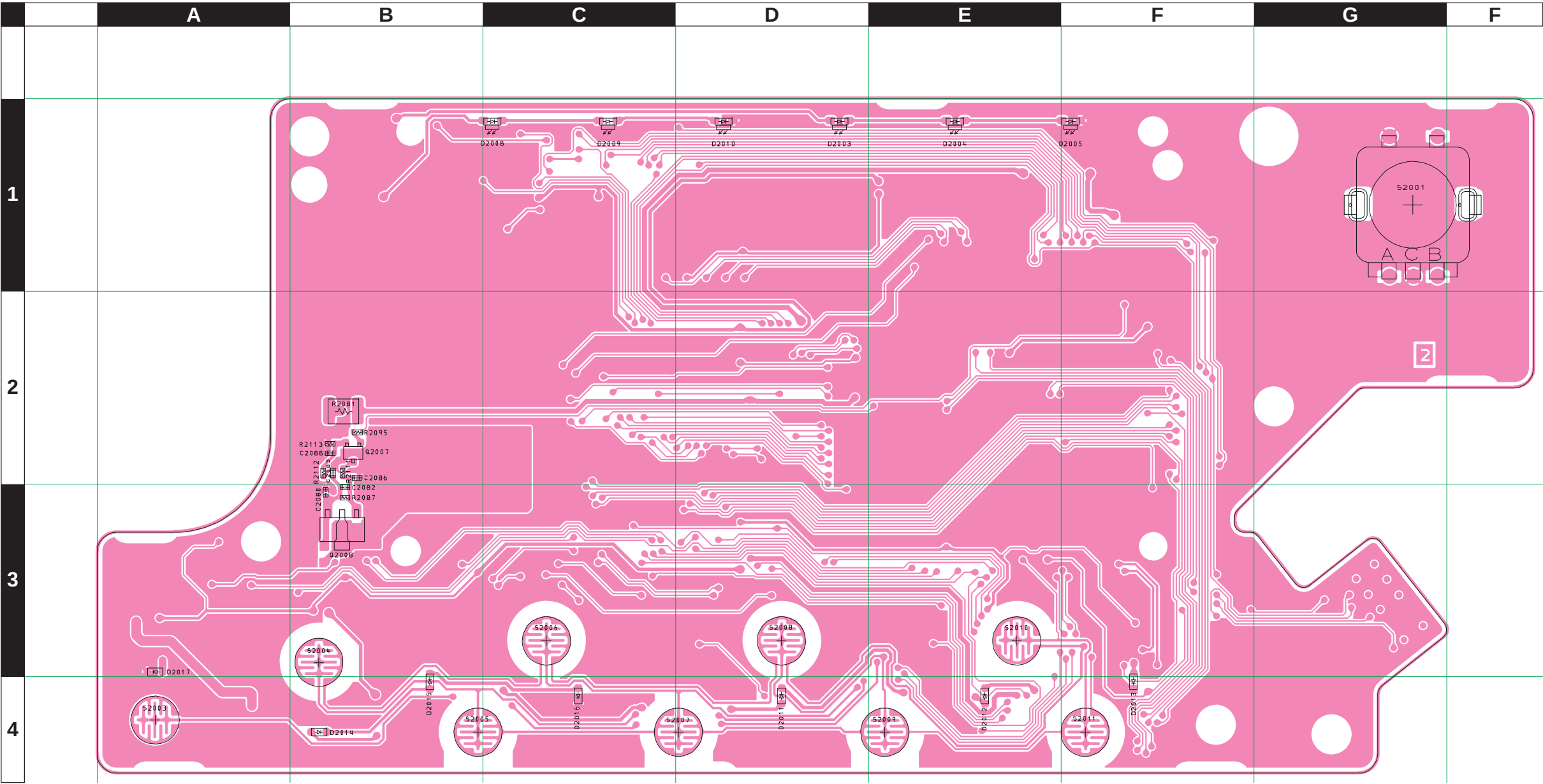
MAIN Unit

Note



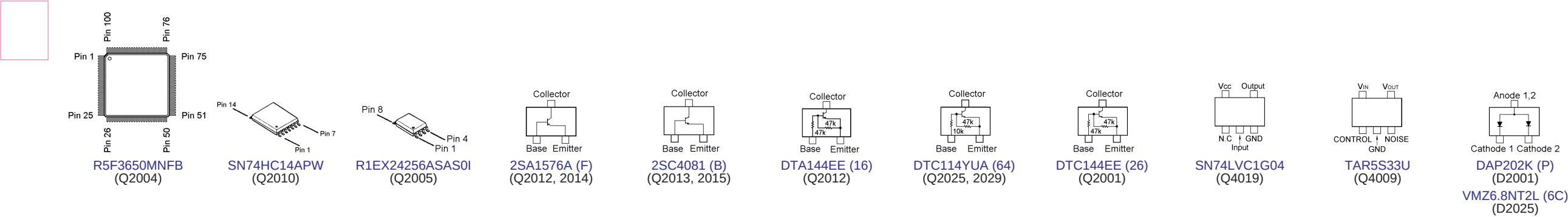
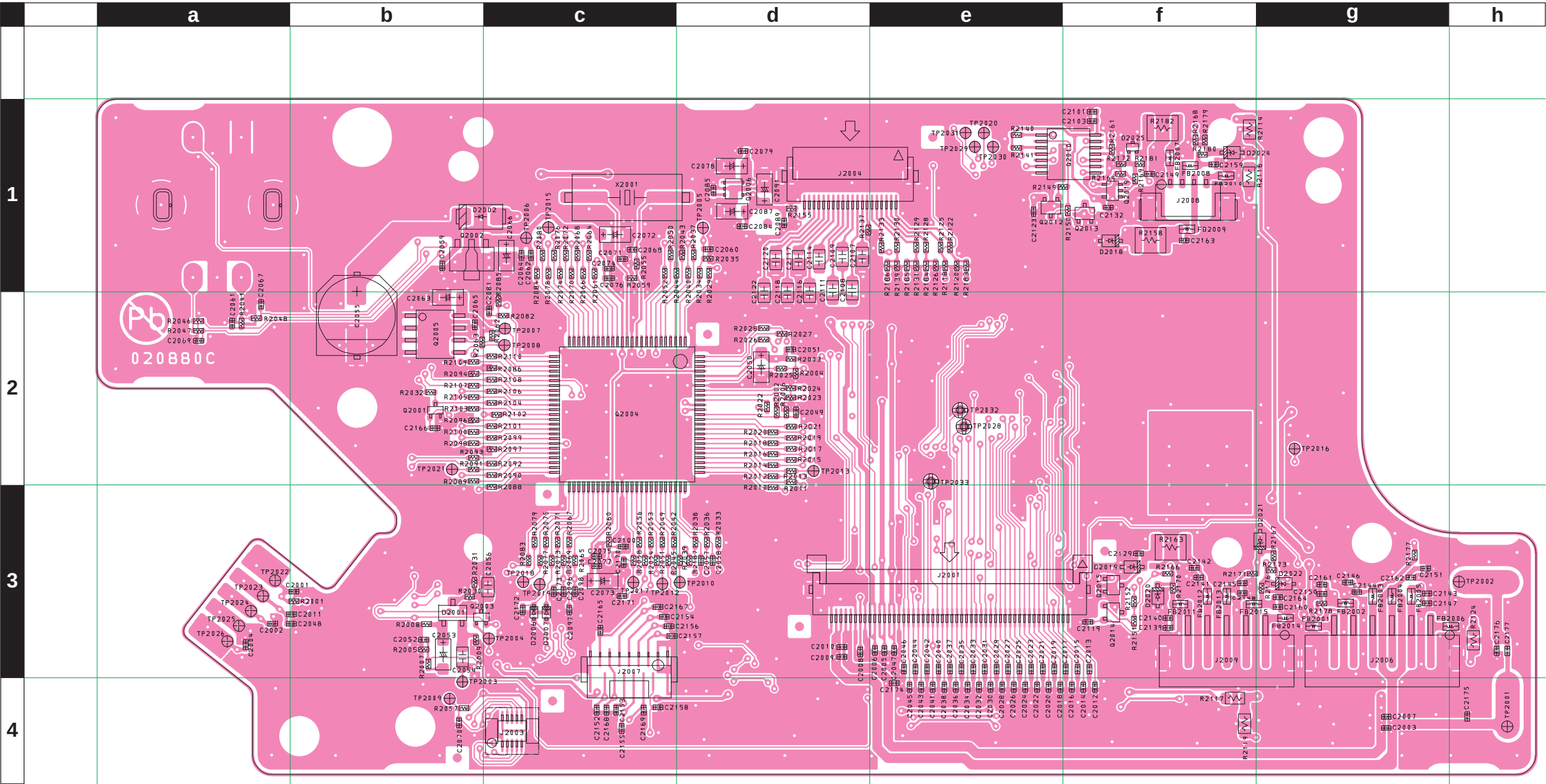
CNTL Unit (Lot 1 ~ 4)

Note



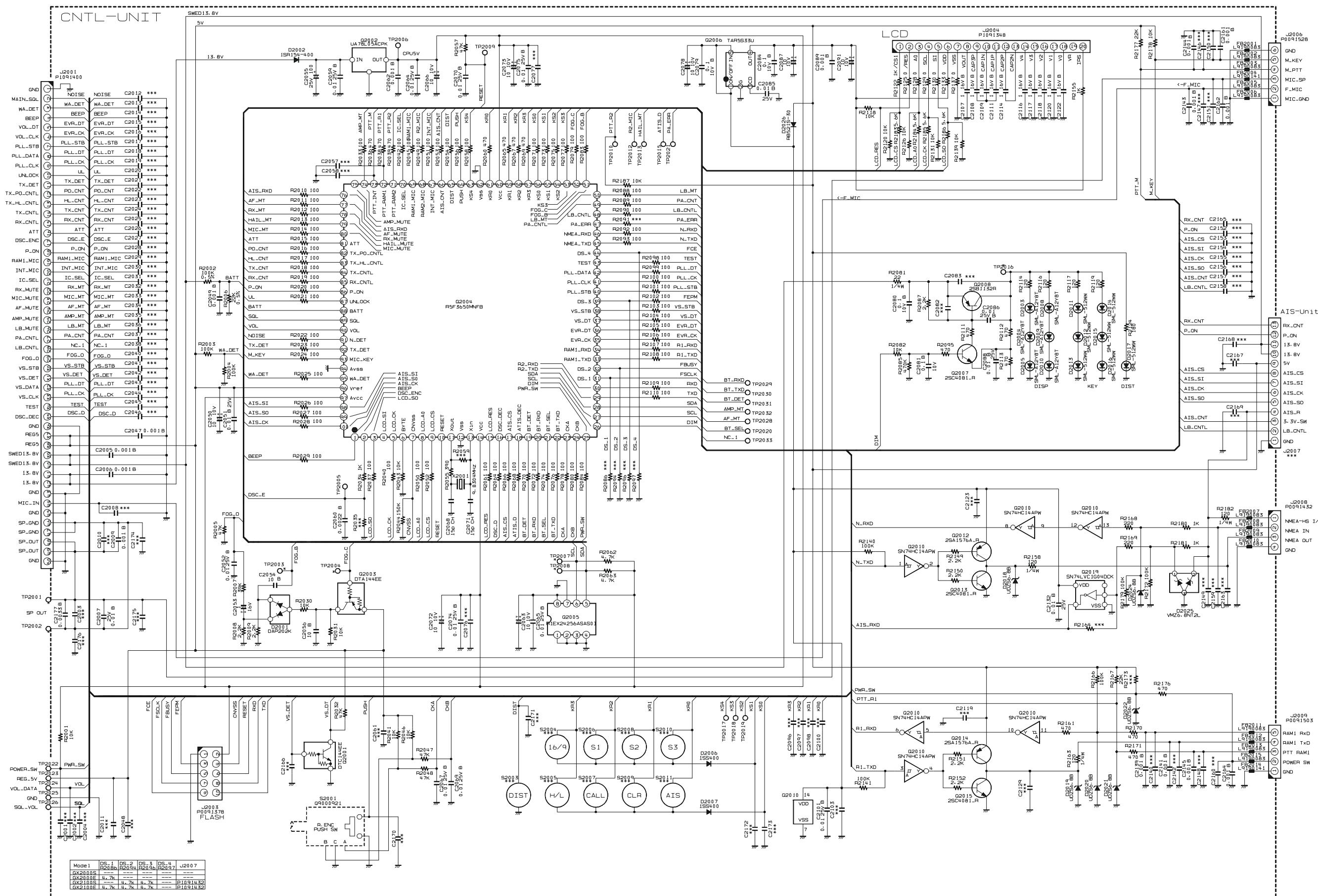
CNTL Unit (Lot 1 ~ 4)

Parts Layout (Side B)



CNTL Unit (Lot 5 ~)

Circuit Diagram

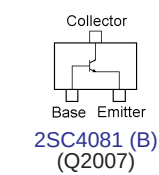
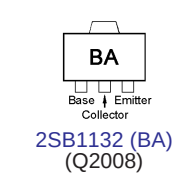
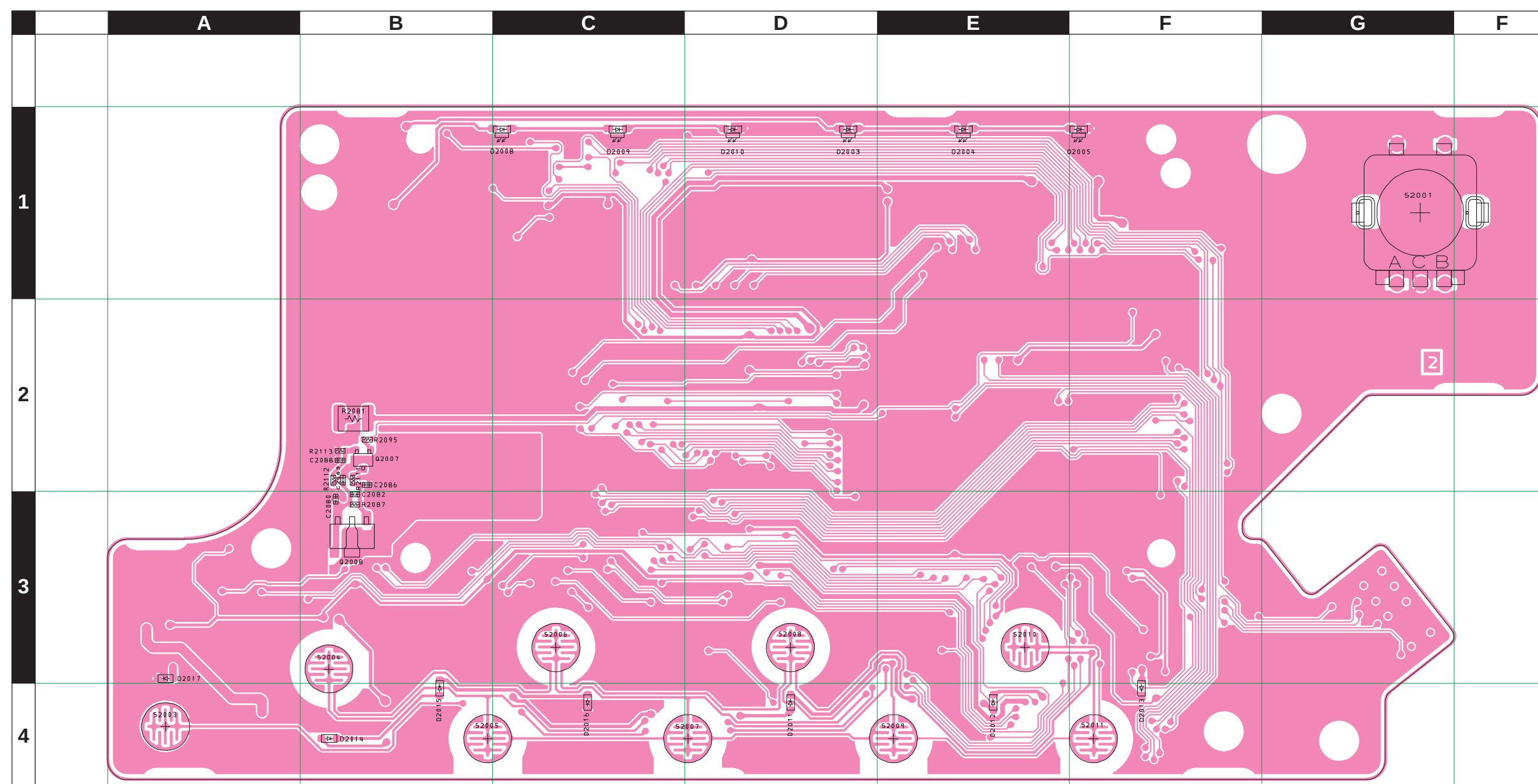


CNTL Unit (Lot 5 ~)

Note

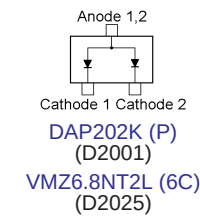
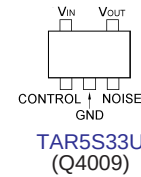
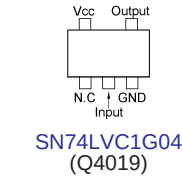
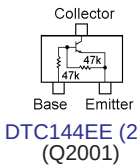
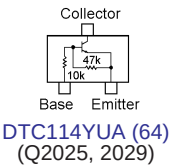
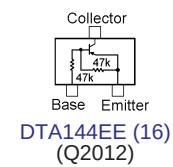
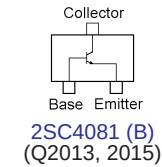
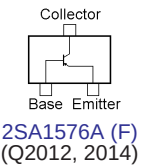
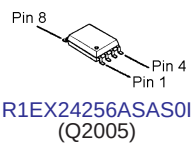
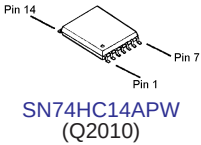
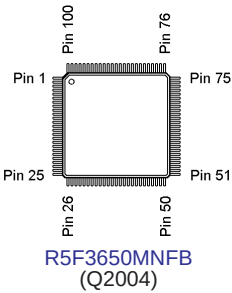
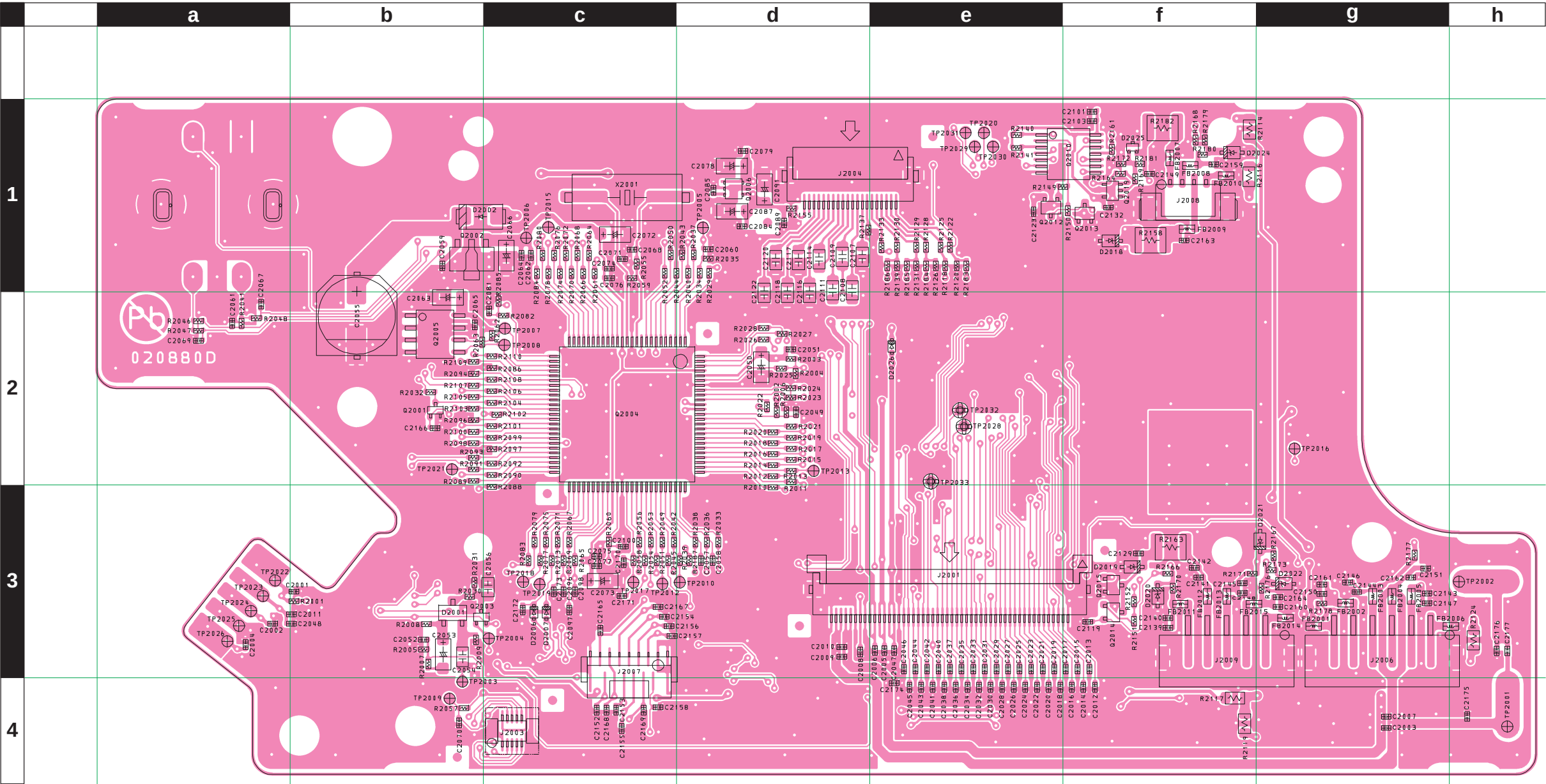
CNTL Unit (Lot 5 ~)

Parts Layout (Side A)



CNTL Unit (Lot 5 ~)

Parts Layout (Side B)



REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
P.C.B. with Components						CS2065401	GX2000 (USA/EXP model)			
						CS2065402	GX2100 (USA/EXP model)			
						CS2065403	GX2000 (CE model)			
						CS2065404	GX2100 (CE model)			
Printed Circuit Board						AM044N000	FR0208800	1-		
C 2005	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 2006	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 2007	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	g4
C 2009	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 2047	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 2049	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 2050	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d2
C 2051	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 2052	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 2053	CHIP TA.CAP.	1uF	16V		F931C105MAA	K78120082		1-	B	b3
C 2054	CHIP CAP.	10uF	6.3V	B	JMK212B1J06KG-T	K22080802		1-	B	b3
C 2055	AL.ELECTRO.CAP.	100uF	25V		UWX1E101MCL1GB	K48140024		1-	B	b2
C 2056	CHIP CAP.	10uF	6.3V	B	JMK212B1J06KG-T	K22080802		1-	B	c3
C 2059	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b1
C 2060	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	B	d1
C 2062	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c1
C 2063	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	b2
C 2064	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c1
C 2065	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b2
C 2066	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c1
C 2067	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a2
C 2068	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	c1
C 2069	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a2
C 2070	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b4
C 2071	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	c1
C 2072	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c1
C 2073	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c3
C 2074	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c1
C 2075	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 2078	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d1
C 2079	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d1
C 2080	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B3
C 2081	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c2
C 2084	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d1
C 2085	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 2086	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B2
C 2087	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d1
C 2088	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B2
C 2089	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d1
C 2091	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d1
C 2101	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	f1
C 2107	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2108	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2109	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2111	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2114	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2116	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d2
C 2117	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2118	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d2
C 2120	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d1
C 2122	CHIP CAP.	1uF	16V	B	GRM21BB11C105KA01L	K22120809		1-	B	d2
C 2132	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	f1
C 2139	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 2141	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 2143	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g3
C 2144	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g3
C 2145	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 2161	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g3
C 2162	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g3
C 2164	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g3
C 2177	CHIP CAP.	0.0033uF	50V	B	GRM155B11H332KA01D	K22178815		1-	B	h3
D 2001	DIODE				DAP202K T146	G2070180		1-	B	b3
D 2002	DIODE				1SR154-400 TE25	G2070684		1-	B	b1
D 2003	LED				SML-A12Y8TT86	G2071254		1-	A	D1
D 2004	LED				SML-A12Y8TT86	G2071254		1-	A	E1
D 2005	LED				SML-A12Y8TT86	G2071254		1-	A	F1
D 2006	DIODE				1SS400 TE61	G2070634		1-	B	c3
D 2007	DIODE				1SS400 TE61	G2070634		1-	B	c3

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
D 2008	LED				SML-A12Y8TT86	G2071254		1-	A	C1
D 2009	LED				SML-A12Y8TT86	G2071254		1-	A	C1
D 2010	LED				SML-A12Y8TT86	G2071254		1-	A	D1
D 2011	LED				SML-512WWT86	G2071104		1-	A	D4
D 2012	LED				SML-512WWT86	G2071104		1-	A	E4
D 2013	LED				SML-512WWT86	G2071104		1-	A	F4
D 2014	LED				SML-512WWT86	G2071104		1-	A	B4
D 2015	LED				SML-512WWT86	G2071104		1-	A	B4
D 2016	LED				SML-512WWT86	G2071104		1-	A	C4
D 2017	LED				SML-512WWT86	G2071104		1-	A	A3
D 2018	DIODE				UDZS TE-17 6.8B	G2070888		1-	B	f1
D 2019	DIODE				UDZS TE-17 6.8B	G2070888		1-	B	f3
D 2020	DIODE				UDZS TE-17 6.8B	G2070888		1-	B	f3
D 2021	DIODE				UDZS TE-17 6.8B	G2070888		1-	B	g3
D 2022	DIODE				UDZS TE-17 6.8B	G2070888		1-	B	g3
D 2024	DIODE				UDZS TE-17 6.8B	G2070888		1-	B	f1
D 2025	DIODE				VMZ6.8NT2L	G2071222		1-	B	f1
D 2026	DIODE				GMA01U-BT	G2060023		1-4	B	e2
D 2026	DIODE				RB521S-30 TE61	G2070642		5-	B	e2
DS2001	LCD				AM044N	G6090197		1-		
FB2001	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	g3
FB2002	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	g3
FB2003	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	g3
FB2004	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	g3
FB2005	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	g3
FB2006	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	h3
FB2007	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f1
FB2008	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f1
FB2009	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f1
FB2010	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f1
FB2011	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f3
FB2012	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f3
FB2013	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f3
FB2014	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	g3
FB2015	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	f3
J 2001	CONNECTOR				FH12A-50S-0.5SH(55)	P1091400		1-	B	e3
J 2003	CONNECTOR				AXK6F10345YP	P0091378		1-	B	c4
J 2004	CONNECTOR				FH12-20S-0.5SH(55)	P1091348		1-	B	d1
J 2006	CONNECTOR				A2001WV-S-06PD01	P0091528		1-	B	g3
J 2007	CONNECTOR				FH12-13S-0.5SV(55)	P1091394	GX2100	1-	B	c3
J 2008	CONNECTOR				53398-0471	P0091432		1-	B	f1
J 2009	CONNECTOR				A2001WV-S-05PD01	P0091503		1-	B	f3
Q 2001	TRANSISTOR				DTC144EE TL	G3070075		1-	B	b2
Q 2002	IC				UA78L05ACPK6(TAPE)	G1094229		1-	B	b1
Q 2003	TRANSISTOR				DTA144EE TL	G3070074		1-	B	b3
Q 2004	IC				R5F3650MNF	G1094742		1-	B	c2
Q 2005	IC				R1EX24256ASAS0I	G1094758		1-	B	b2
Q 2006	IC				TAR5S33U(TE85L.F)	G1094549		1-	B	d1
Q 2007	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	B2
Q 2008	TRANSISTOR				2SB1132 T100 R	G3211327R		1-	A	B3
Q 2010	IC				SN74HC14APW(TAPE)	G1094227		1-	B	f1
Q 2012	TRANSISTOR				2SA1576A T106 R	G3115768R		1-	B	e1
Q 2013	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	f1
Q 2014	TRANSISTOR				2SA1576A T106 R	G3115768R		1-	B	f3
Q 2015	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	f3
Q 2019	IC				SN74LVC1G04DCKR	G1093972		1-	B	f1
R 2001	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 2002	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	d2
R 2003	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d2
R 2004	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d2
R 2005	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b3
R 2006	CHIP RES.	22k	1/16W	0.5%	MCR01MZPD2202	J24189378		1-	B	d2
R 2007	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	b3
R 2008	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b3
R 2009	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b3
R 2010	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d3
R 2011	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2012	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2013	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2014	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2015	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2016	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2017	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2

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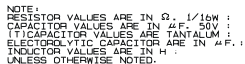
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 2018	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2019	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2020	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2021	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2022	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2023	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2024	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2025	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2026	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2027	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2028	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 2029	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d1
R 2030	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 2031	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 2032	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b2
R 2033	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d3
R 2034	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d1
R 2036	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 2037	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d1
R 2038	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 2039	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 2040	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d1
R 2041	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 2042	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2043	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d1
R 2044	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d1
R 2045	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2046	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 2047	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a2
R 2048	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a2
R 2049	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2050	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2051	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2052	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2053	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2054	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2055	CHIP RES.	390	1/16W	5%	RMC1/16S 391JTH	J24189020		1-	B	c1
R 2056	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2057	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b4
R 2058	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2060	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c3
R 2061	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2062	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c2
R 2063	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b2
R 2064	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2065	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c3
R 2066	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2067	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c3
R 2068	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2069	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c3
R 2070	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2071	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2072	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2073	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2074	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2075	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2076	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2077	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2078	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2079	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2080	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2081	CHIP RES.	22	1/4W	5%	RMC1/4 220JATP	J24245220		1-	A	B2
R 2082	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c2
R 2083	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2084	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c1
R 2085	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c2
R 2087	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B3
R 2088	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 2089	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2090	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2092	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2093	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2094	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033	GX2100S	1-	B	b2

CNTL Unit

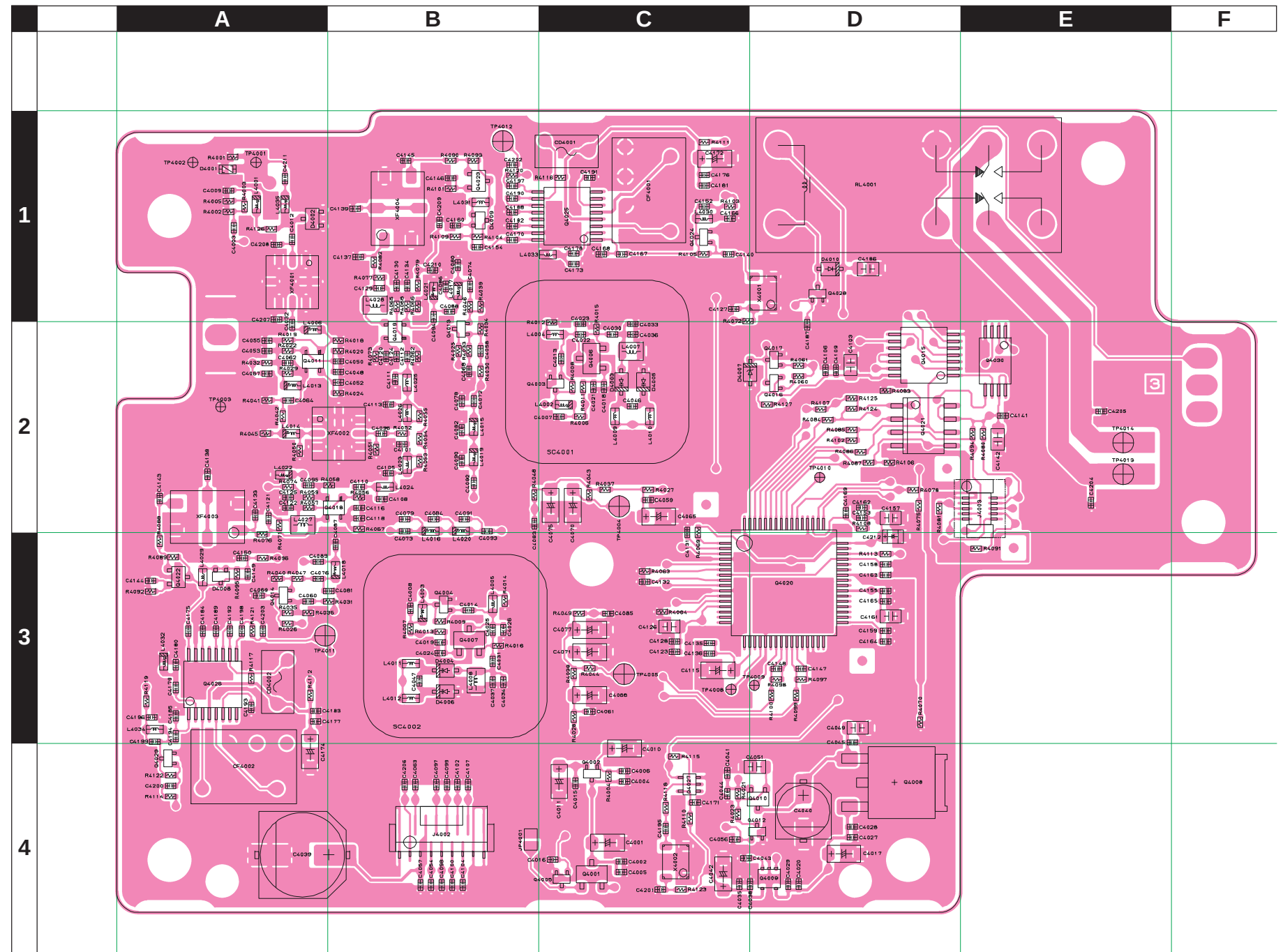
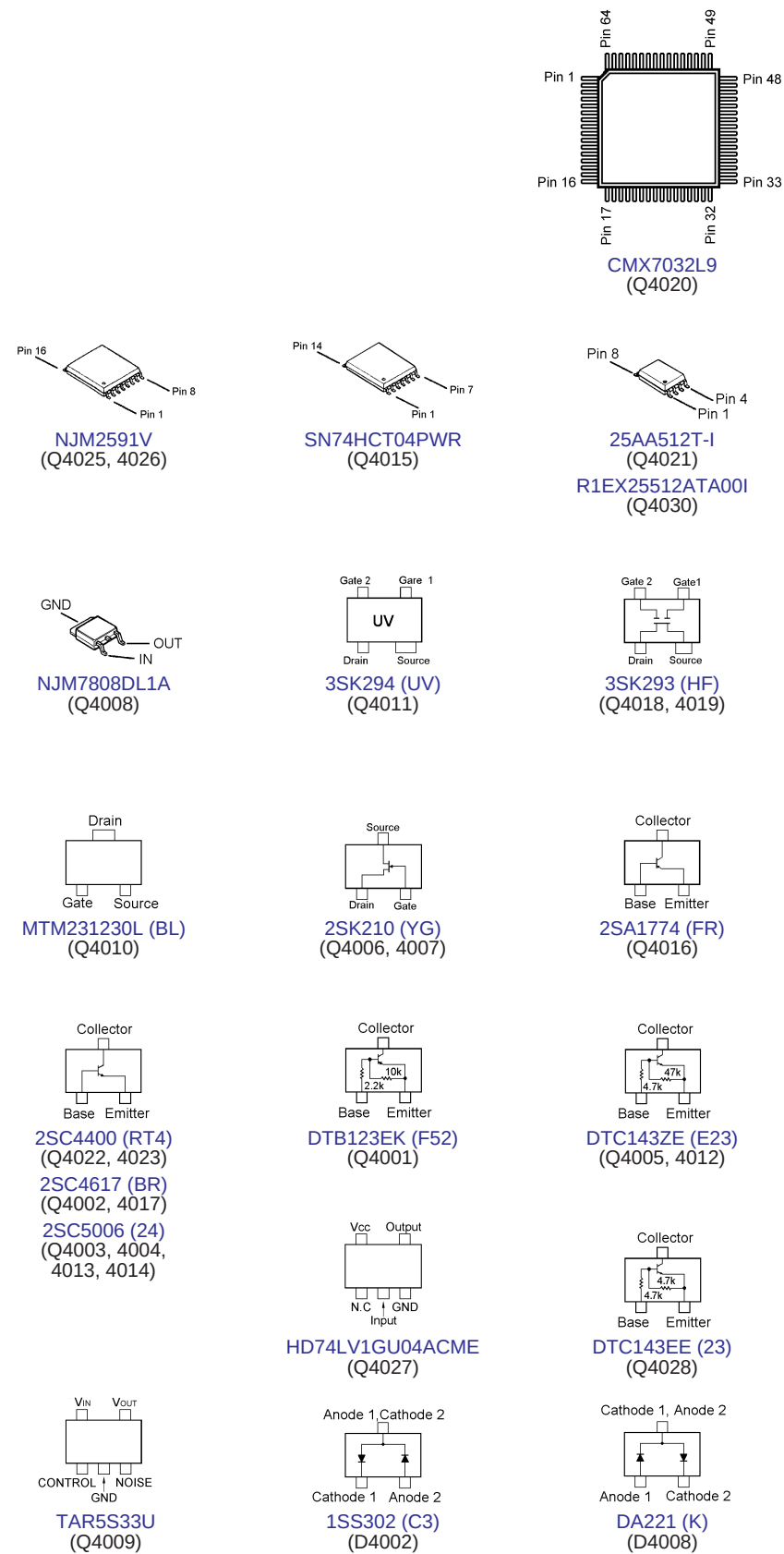
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 2095	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021	GX2100S	1-	A	B2
R 2096	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b2
R 2098	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2099	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2100	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2101	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2102	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2103	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2104	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2105	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2106	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2107	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2108	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2109	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2110	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2111	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	B2
R 2112	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	B2
R 2113	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	B2
R 2114	CHIP RES.	120	1/10W	5%	RMC1/10T 121J	J24205121		1-	B	f1
R 2116	CHIP RES.	120	1/10W	5%	RMC1/10T 121J	J24205121		1-	B	f1
R 2117	CHIP RES.	120	1/10W	5%	RMC1/10T 121J	J24205121		1-	B	f4
R 2118	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 2119	CHIP RES.	120	1/10W	5%	RMC1/10T 121J	J24205121		1-	B	f4
R 2120	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 2122	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e1
R 2124	CHIP RES.	180	1/10W	5%	RMC1/10T 181J	J24205181		1-	B	h3
R 2125	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e1
R 2126	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 2128	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e1
R 2129	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e1
R 2130	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e1
R 2131	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 2133	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e1
R 2137	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d1
R 2139	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 2140	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e1
R 2141	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e1
R 2149	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f1
R 2150	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f1
R 2151	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f3
R 2152	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f3
R 2155	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d1
R 2158	CHIP RES.	120	1/4W	5%	RMC1/4 121JATP	J24245121		1-	B	f1
R 2161	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	f1
R 2163	CHIP RES.	120	1/4W	5%	RMC1/4 121JATP	J24245121		1-	B	f3
R 2166	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f3
R 2167	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	g3
R 2168	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	f1
R 2169	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	f1
R 2170	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	f3
R 2171	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	f3
R 2172	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f1
R 2176	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	g3
R 2177	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	g3
R 2178	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	g3
R 2179	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f1
R 2180	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f1
R 2181	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f1
R 2182	CHIP RES.	120	1/4W	5%	RMC1/4 121JATP	J24245121		1-	B	f1
R 2183	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	e1
R 2184	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	e1
R 2185	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	e1
R 2186	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	e1
R 2187	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d3
S 2001	ROTARY ENCODER				EC11E09244	Q9000921		1-	A	G1
X 2001	XTAL SMD-49	9.8304MHZ			9.8304MHZ	H0103401		1-	B	c1
	LIGHT GUIDE				(LCD)	RA1168500		1-		
	REFLECTOR SHEET				(L)	RA1169200		1-		
	REFLECTOR SHEET				(SIDE)	RA1190100		1-		



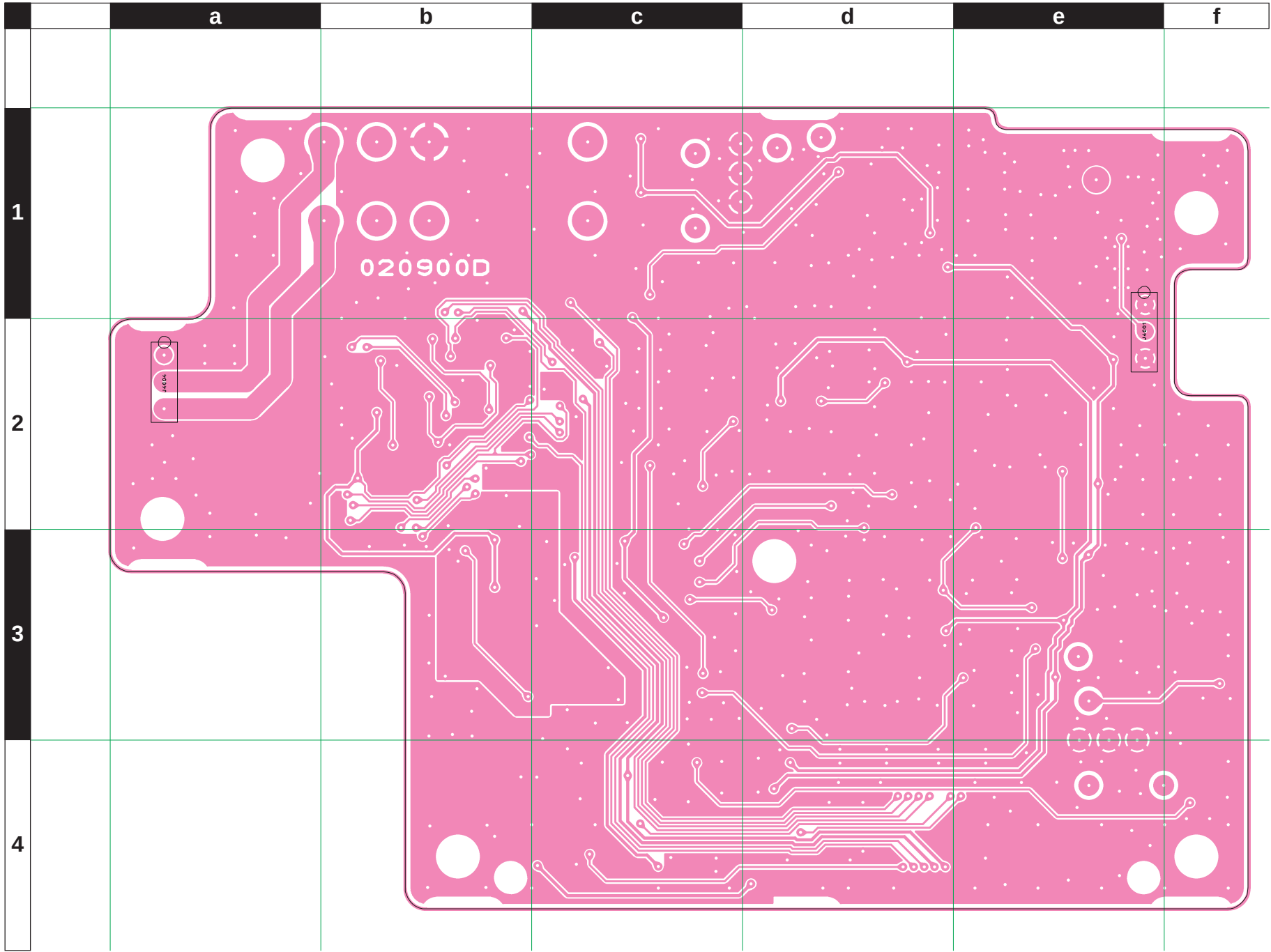
AIS Unit (USA/EXP model)

Note



AIS Unit (USA/EXP model)

Parts Layout (Side B)



AIS Unit (USA/EXP model)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
P.C.B. with Components						CS2067701				
Printed Circuit Board						AM044N000		1-		
C 4001	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 4002	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 4003	CHIP CAP.	9pF	50V	CH	GRM1552C1H9R0DZ01D	K22178211		1-	A	A1
C 4004	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	C4
C 4005	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 4006	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 4007	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 4008	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B3
C 4010	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 4011	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 4012	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A1
C 4013	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	C2
C 4014	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	B3
C 4015	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 4016	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 4017	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	D4
C 4018	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C2
C 4019	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B3
C 4020	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 4021	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 4022	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	C2
C 4023	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	C2
C 4024	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B3
C 4025	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B3
C 4026	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	B3
C 4027	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	D4
C 4028	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D4
C 4029	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D4
C 4030	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 4031	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B3
C 4032	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 4033	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	A	C2
C 4034	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B3
C 4035	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 4038	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 4039	AL.ELECTRO.CAP.	100uF	25V		UWX1E101MCL1GB	K48140024		1-	A	A4
C 4040	AL.ELECTRO.CAP.	10uF	25V		UWX1E100MCL1GB	K48140022		1-	A	D4
C 4041	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C4
C 4042	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 4043	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C4
C 4044	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 4045	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 4046	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C2
C 4047	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B3
C 4048	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B2
C 4049	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	D3
C 4050	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 4052	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 4054	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 4055	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 4057	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 4058	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	A	B2
C 4059	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	A	C2
C 4060	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	A	A3
C 4061	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	A	C3
C 4062	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	A2
C 4063	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 4064	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 4067	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 4068	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 4069	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A3
C 4070	CHIP TA.CAP.	2.2uF	6.3V		F930J225MAA	K78080093		1-	A	C2
C 4071	CHIP TA.CAP.	2.2uF	6.3V		F930J225MAA	K78080093		1-	A	C3
C 4072	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	B2
C 4073	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	B2
C 4074	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 4075	CHIP TA.CAP.	0.47uF	35V		F931V474MAA	K78160055		1-	A	C2
C 4076	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A3
C 4077	CHIP TA.CAP.	0.47uF	35V		F931V474MAA	K78160055		1-	A	C3
C 4078	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B2
C 4079	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	B2

AIS Unit (USA/EXP model)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 4080	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	A	B1
C 4081	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	A	B3
C 4082	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	A	B2
C 4084	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	A	B2
C 4086	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	A	B1
C 4087	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GZ01D	K22179707		1-	A	B3
C 4088	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B1
C 4089	CHIP CAP.	4pF	50V	CH	GRM1552C1H4R0BZ01D	K22178291		1-	A	A3
C 4090	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	B2
C 4091	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	B2
C 4092	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B2
C 4093	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B2
C 4094	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 4095	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 4096	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 4102	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B4
C 4103	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D2
C 4104	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 4106	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	D2
C 4107	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 4109	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D2
C 4110	CHIP CAP.	9pF	50V	CH	GRM1552C1H9R0DZ01D	K22178211		1-	A	B2
C 4112	CHIP CAP.	9pF	50V	CH	GRM1552C1H9R0DZ01D	K22178211		1-	A	B2
C 4115	CHIP TA.CAP.	100uF	4V		TEESVAOG107M8R	K78060051		1-	A	C3
C 4116	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 4118	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B2
C 4120	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 4121	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	A	A2
C 4122	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 4123	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 4124	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B2
C 4125	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A2
C 4126	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	C3
C 4127	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C1
C 4128	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 4129	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0DZ01D	K22178208		1-	A	B1
C 4130	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 4131	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 4132	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 4133	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	A	A2
C 4134	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 4135	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 4136	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 4137	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	A	B1
C 4138	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		1-	A	A2
C 4139	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-	A	B1
C 4140	CHIP CAP.	220pF	50V	CH	GRM1552C1H221JA01D	K22179713		1-	A	C1
C 4141	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E2
C 4142	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	E2
C 4143	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	A2
C 4147	CHIP CAP.	47pF	50V	CH	GRM1552C1H470GZ01D	K22179709		1-	A	D3
C 4148	CHIP CAP.	47pF	50V	CH	GRM1552C1H470GZ01D	K22179709		1-	A	D3
C 4149	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	A	A3
C 4150	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3
C 4153	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D2
C 4154	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0DZ01D	K22178208		1-	A	B1
C 4155	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 4157	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D2
C 4158	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 4159	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 4160	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 4161	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D3
C 4162	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D2
C 4163	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D3
C 4164	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D3
C 4165	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D3
C 4167	CHIP CAP.	220pF	50V	CH	GRM1552C1H221JA01D	K22179713		1-	A	C1
C 4170	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 4171	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 4172	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C1
C 4173	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	A	C1
C 4174	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	A4
C 4175	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 4176	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C1
C 4177	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A3
C 4178	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C1
C 4179	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3
C 4180	CHIP CAP.	180pF	50V	CH	GRM1552C1H181JA01D	K22179711		1-	A	A3
C 4181	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C1
C 4182	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B1
C 4183	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 4184	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 4188	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 4189	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A3
C 4190	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B1
C 4191	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C1
C 4192	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	A3
C 4193	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 4194	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	A	A3
C 4195	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 4197	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B1
C 4198	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 4200	CHIP CAP.	220pF	50V	CH	GRM1552C1H221JA01D	K22179713		1-	A	A4
C 4201	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C4
C 4202	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 4203	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3
C 4206	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 4209	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 4210	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 4211	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A1
CD4001	CERAMIC DISC				CDA450C24	H7901430		1-	A	C1
CD4002	CERAMIC DISC				CDA450C24	H7901430		1-	A	A3
CF4001	CERAMIC FILTER				LTM450EW	H3900574		1-	A	C1
CF4002	CERAMIC FILTER				LTM450EW	H3900574		1-	A	A4
D 4002	DIODE				1SS302(TE85R.F)	G2070088		1-	A	A1
D 4003	DIODE				HVU350 TRF-E	G2070380		1-	A	C2
D 4004	DIODE				HVU350 TRF-E	G2070380		1-	A	B3
D 4005	DIODE				HVU350 TRF-E	G2070380		1-	A	C2
D 4006	DIODE				HVU350 TRF-E	G2070380		1-	A	B3
D 4007	DIODE				UDZS TE-17 6.8B	G2070888		1-	A	D2
D 4008	DIODE				DA221 TL	G2070178		1-	A	A3
D 4010	DIODE				BAS316	G2070716		1-	A	D1
J 4001	CONNECTOR				21B12564-03S10B-01G-6/3	P0091527		1-	B	e1
J 4002	CONNECTOR				FH12-13S-0.5SV(55)	P1091394		1-	A	B4
J 4003	CONNECTOR				AXK6F10545YJ	P0091423		1-	A	E2
J 4004	CONNECTOR				21B12564-03S10B-01G-6/3	P0091527		1-	B	a2
L 4001	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	A	A1
L 4002	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	C2
L 4003	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	B3
L 4004	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 4005	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	B3
L 4006	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	A	A2
L 4007	M.RFC	0.033uH		2%	C2012C-33NG-RA	L1690770		1-	A	C2
L 4008	M.RFC	0.039uH		2%	C2012C-39NG-RA	L1690771		1-	A	B3
L 4009	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 4010	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 4011	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	B3
L 4012	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	B3
L 4013	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	A2
L 4014	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	A	A2
L 4015	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	A	B2
L 4016	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	A	B2
L 4017	M.RFC	0.033uH			HK1608 33NJ-T	L1690522		1-	A	B1
L 4018	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	A	B3
L 4019	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	A	B2
L 4020	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	A	B2
L 4021	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	A	B1
L 4022	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	A2
L 4024	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-	A	B2
L 4025	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-	A	B2
L 4027	M.RFC	1uH		5%	C2012C-1R0J	L1691160		1-	A	A2
L 4028	M.RFC	1uH		5%	C2012C-1R0J	L1691160		1-	A	B1
L 4029	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	A3
L 4031	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	B1
L 4032	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	A3
L 4033	M.RFC	0.15uH			LK1608 R15K-T	L1690409		1-	A	C1

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 4035	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	A	A1
Q 4001	TRANSISTOR				DTB123EK T146	G3070022		1-	A	C4
Q 4002	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	C4
Q 4003	TRANSISTOR				2SC5006-T1	G3350068		1-	A	C2
Q 4004	TRANSISTOR				2SC5006-T1	G3350068		1-	A	B3
Q 4005	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	C4
Q 4006	FET				2SK210-GR(TE85R.F)	G3802107G		1-	A	C2
Q 4007	FET				2SK210-GR(TE85R.F)	G3802107G		1-	A	B3
Q 4008	IC				NJM7808DL1A-TE1	G1093802		1-	A	D4
Q 4009	IC				TAR5S33U(TE85L.F)	G1094549		1-	A	D4
Q 4010	FET				MTM231230L	G3070357		1-	A	D4
Q 4011	FET				3SK294(TE85L)	G4802948		1-	A	A2
Q 4012	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	D4
Q 4013	TRANSISTOR				2SC5006-T1	G3350068		1-	A	B2
Q 4014	TRANSISTOR				2SC5006-T1	G3350068		1-	A	A3
Q 4015	IC				SN74HCT04PWR	G1094484		1-	A	D2
Q 4016	TRANSISTOR				2SA1774 TL R	G3117748R		1-	A	D2
Q 4017	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	D2
Q 4018	FET				3SK293(TE85L,F)	G4802938		1-	A	B2
Q 4019	FET				3SK293(TE85L,F)	G4802938		1-	A	B2
Q 4020	IC				CMX7032L9	G1094721		1-	A	D3
Q 4021	IC				25AA512T-I/SN	G1094726		1-9	A	D2
Q 4022	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	A	A3
Q 4023	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	A	B1
Q 4025	IC				NJM2591V-TE1	G1094024		1-	A	C1
Q 4026	IC				NJM2591V-TE1	G1094024		1-	A	A3
Q 4027	IC				HD74LV1GU04ACME	G1093739		1-	A	C4
Q 4028	TRANSISTOR				DTC143EE TL	G3070114		1-	A	D1
Q 4030	IC				R1EX25512ATA00I	G1094794		10-	A	E2
R 4001	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A1
R 4003	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A1
R 4004	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	C4
R 4006	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 4007	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B3
R 4008	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C2
R 4009	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B3
R 4011	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 4012	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C2
R 4013	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B3
R 4014	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	B3
R 4015	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C2
R 4016	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	B3
R 4018	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	B2
R 4019	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	A2
R 4020	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B2
R 4021	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 4022	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	A2
R 4023	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 4024	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	B2
R 4025	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	A	B2
R 4026	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	A	A3
R 4027	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 4028	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 4029	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	A2
R 4030	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	B2
R 4031	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	B3
R 4032	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	A2
R 4033	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	B2
R 4034	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	B2
R 4035	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	A3
R 4036	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	A3
R 4037	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C2
R 4038	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C3
R 4039	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	B1
R 4040	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	A3
R 4042	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A2
R 4043	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	C2
R 4044	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	C3
R 4046	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	B1
R 4047	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	A3
R 4048	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	B2
R 4049	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C3
R 4052	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	B2

AIS Unit (USA/EXP model)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 4053	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	B2
R 4055	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	B2
R 4056	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	B2
R 4057	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	A2
R 4058	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B2
R 4059	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	A2
R 4060	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D2
R 4061	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D2
R 4062	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	B2
R 4063	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	C3
R 4064	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	C3
R 4065	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B1
R 4066	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B1
R 4067	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	A	B2
R 4068	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B1
R 4069	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C2
R 4070	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		1-	A	D3
R 4071	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A2
R 4072	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C1
R 4073	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	A	B2
R 4074	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A2
R 4075	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 4076	CHIP RES.	390	1/16W	5%	RMC1/16S 391JTH	J24189020		1-	A	A3
R 4077	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B1
R 4078	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 4079	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B1
R 4080	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E2
R 4081	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 4082	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	B1
R 4083	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 4084	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 4085	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 4086	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 4087	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 4088	CHIP RES.	820	1/16W	5%	RMC1/16S 821JTH	J24189024		1-	A	A3
R 4089	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A3
R 4090	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	B1
R 4091	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 4092	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A3
R 4093	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B1
R 4094	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E2
R 4095	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A3
R 4096	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	A3
R 4097	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D3
R 4098	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D3
R 4099	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	D3
R 4100	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	D3
R 4101	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	B1
R 4102	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	D2
R 4104	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B1
R 4105	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C1
R 4106	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 4107	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D2
R 4108	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D2
R 4109	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	B1
R 4110	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C4
R 4111	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C1
R 4112	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	A3
R 4113	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D3
R 4114	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A4
R 4115	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 4116	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	A	C1
R 4117	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	A	A3
R 4118	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C4
R 4120	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B1
R 4121	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A3
R 4122	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A4
R 4123	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C4
R 4124	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D2
R 4125	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 4126	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A1
R 4127	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
RL4001	RELAY		DC12V		G2RL-2 DC12V	M1190178		1-6	A	E1

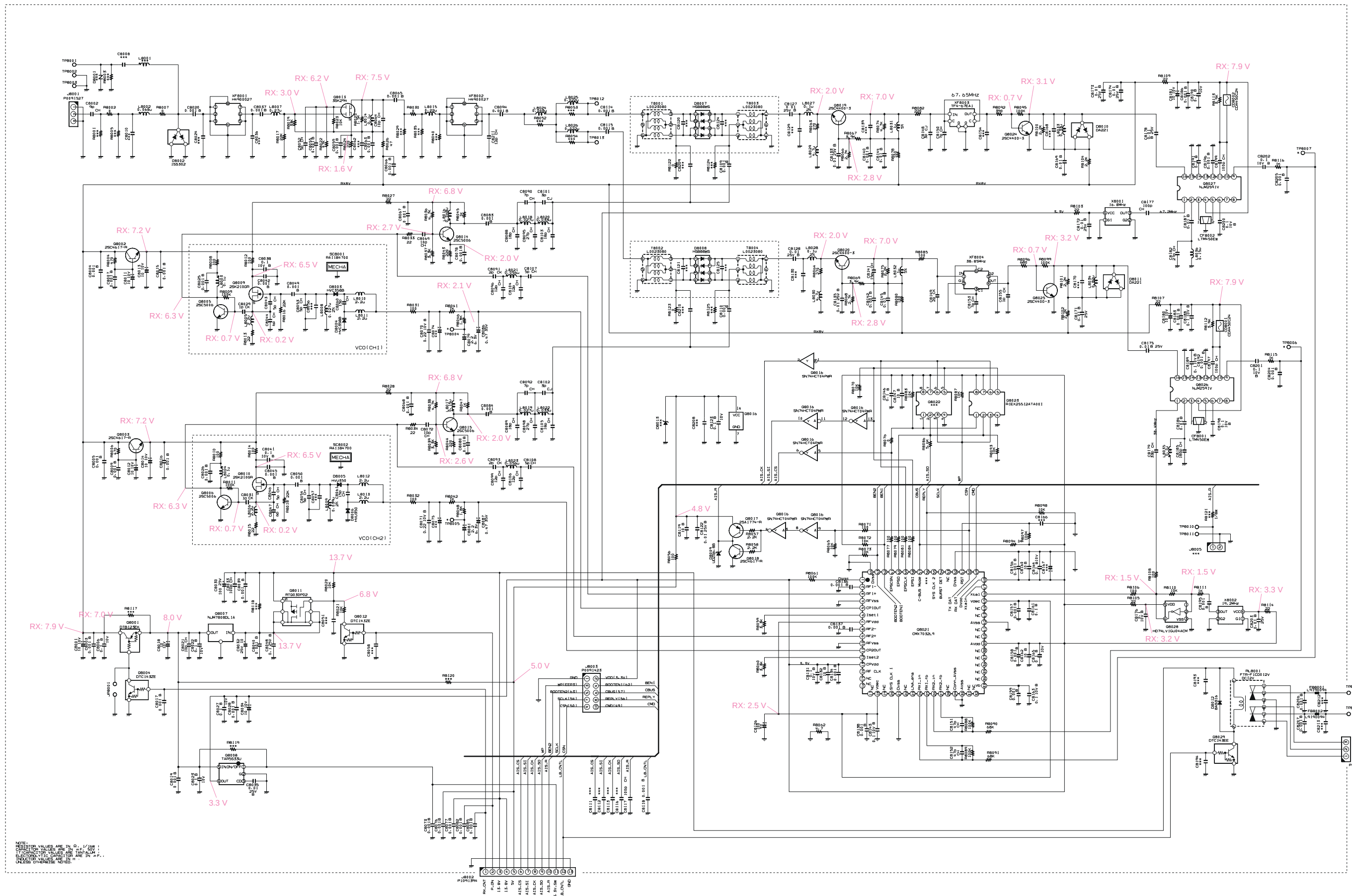
AIS Unit (USA/EXP model)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
RL4001	RELAY		DC12V		FTR-F1CD012V DC12V	M1190206		7-	A	E1
SC4001	SHIELD CASE VCO					RA1184700		1-	A	C2
SC4002	SHIELD CASE VCO					RA1184700		1-	A	B3
X 4001	TCXO	16.8MHz			DSB321SCA 16.8MHZ	H9501272		1-	A	D1
X 4002	TCXO	19.2MHz			DSB321SCA 19.2MHZ	H9501271		1-	A	C4
XF4001	SAW FILTER	MHz			HDF160F SMD-3	H4900027		1-	A	A1
XF4002	SAW FILTER				HDF160F SMD-3	H4900027		1-	A	B2
XF4003	XTAL FILTER				D38815GQ15 38.85M	H1102458		1-	A	A2
XF4004	XTAL FILTER				TF4-67EA1 67.65MHZ	H1102399		1-	A	B1

AIS-2 Unit (CE model)

Circuit Diagram

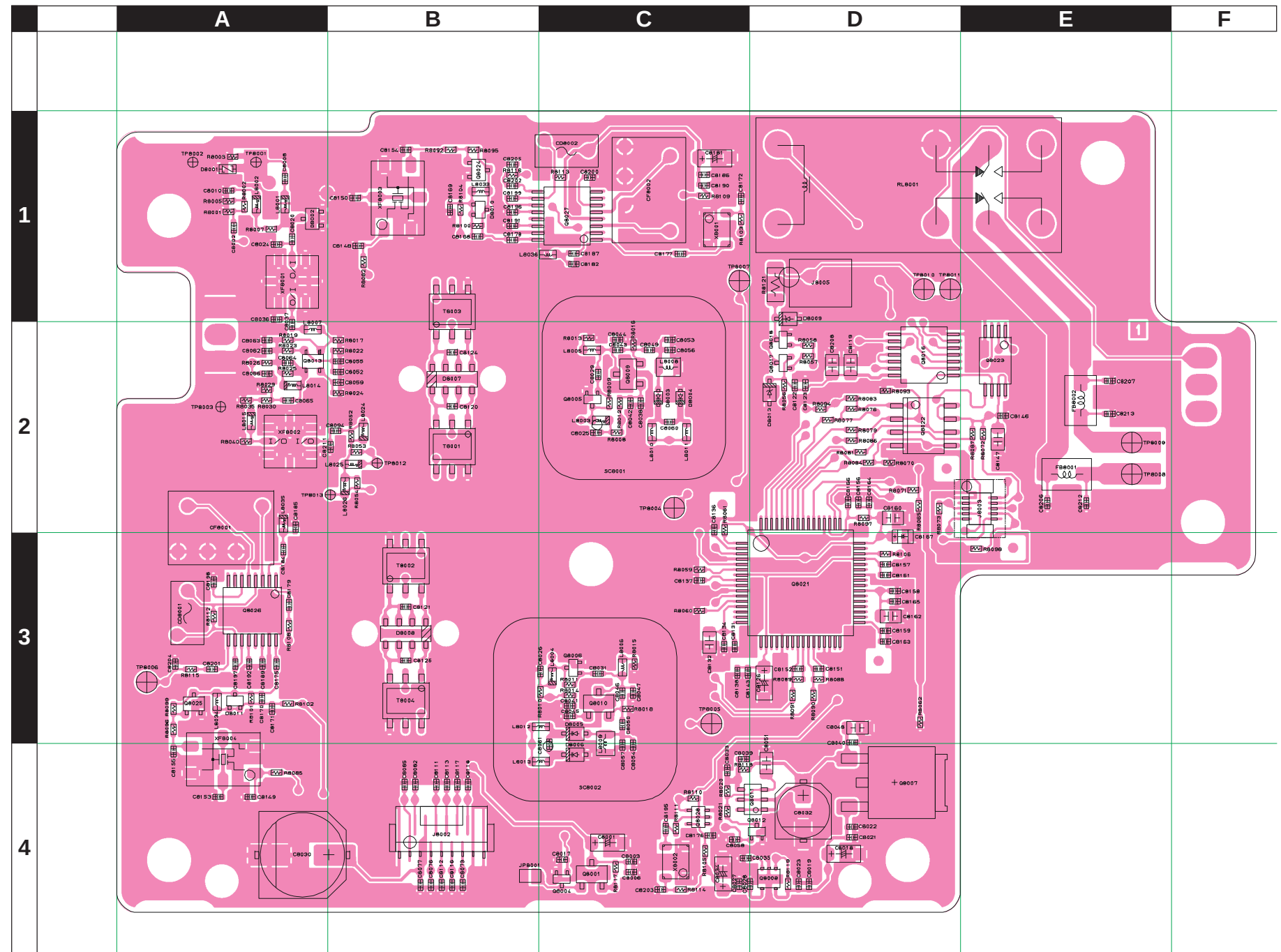
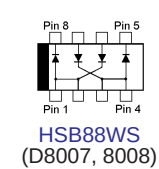
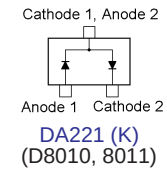
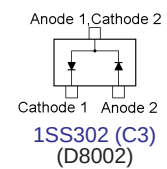
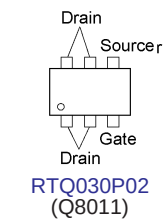
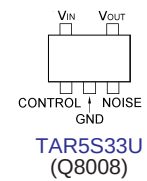
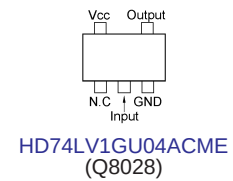
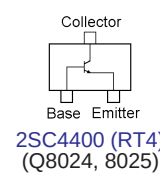
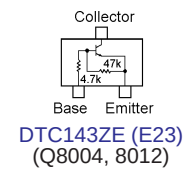
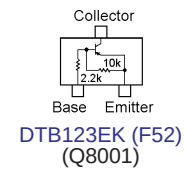
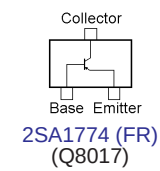
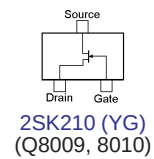
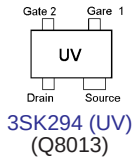
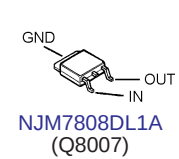
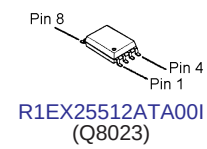
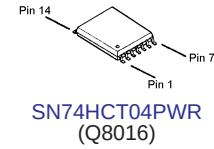
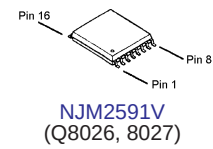
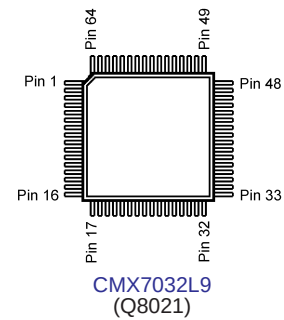


AIS-2 Unit (CE model)

Note

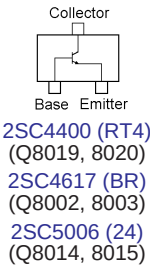
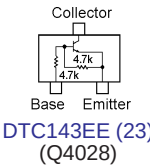
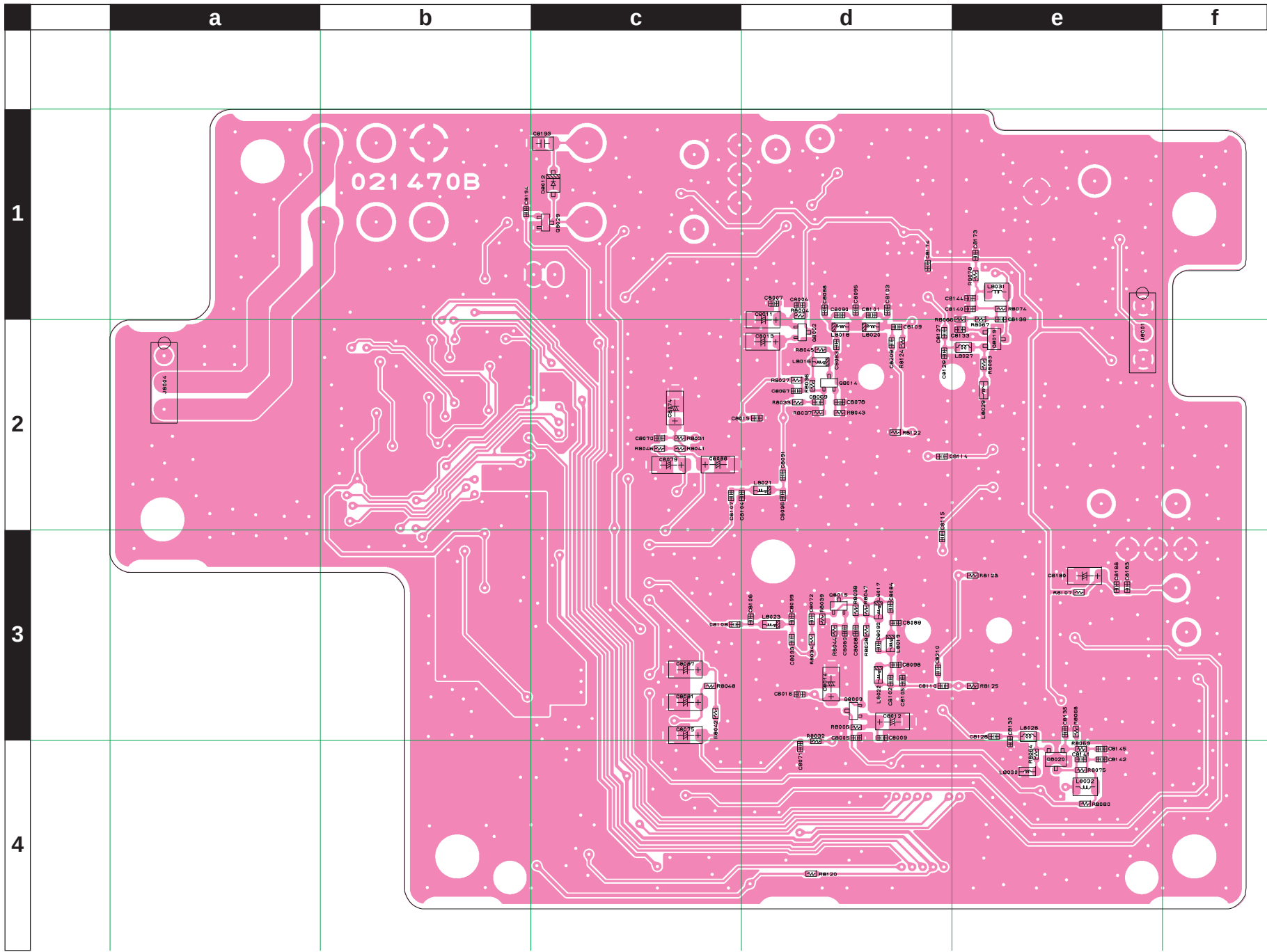
AIS-2 Unit (CE model)

Parts Layout (Side A)



AIS-2 Unit (CE model)

Parts Layout (Side B)



AIS-2 Unit (CE model)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
P.C.B. with Components						CS2068701				
Printed Circuit Board						AM044N000		1-		
C 8001	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 8002	CHIP CAP.	9pF	50V	CH	GRM1552C1H9R0DZ01D	K22178211		1-	A	A1
C 8003	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 8004	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d1
C 8005	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8006	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 8007	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d1
C 8009	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8011	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d2
C 8012	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d3
C 8013	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d2
C 8014	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d3
C 8015	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 8016	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8017	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 8018	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	D4
C 8019	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 8020	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A1
C 8021	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	D4
C 8022	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D4
C 8023	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D4
C 8025	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 8026	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 8027	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 8028	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 8029	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	C2
C 8030	AL.ELECTRO.CAP.	100uF	25V		UWX1E101MCL1GB	K48140024		1-	A	A4
C 8031	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	C3
C 8032	AL.ELECTRO.CAP.	10uF	25V		UWX1E100MCL1GB	K48140022		1-	A	D4
C 8033	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C4
C 8034	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 8035	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C4
C 8037	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 8038	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C2
C 8039	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 8040	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 8041	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 8042	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 8043	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	C2
C 8044	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	C2
C 8045	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 8046	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	C3
C 8047	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0BZ01D	K22178293		1-	A	C3
C 8048	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	D3
C 8049	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 8050	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 8052	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	B2
C 8053	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	C2
C 8054	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	A	C4
C 8055	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 8059	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 8060	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C2
C 8061	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GZ01	K22178300		1-	A	C4
C 8063	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 8064	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BZ01D	K22178297		1-	A	A2
C 8065	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 8066	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A2
C 8067	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 8068	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8069	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	d2
C 8070	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	B	c2
C 8071	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	B	d4
C 8072	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	d3
C 8073	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 8076	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 8077	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 8078	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 8079	CHIP TA.CAP.	2.2uF	6.3V		F930J225MAA	K78080093		1-	B	c2
C 8080	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8081	CHIP TA.CAP.	2.2uF	6.3V		F930J225MAA	K78080093		1-	B	c3
C 8082	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 8083	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 8084	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8085	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 8086	CHIP TA.CAP.	0.47uF	35V		F931V474MAA	K78160055		1-	B	c2
C 8087	CHIP TA.CAP.	0.47uF	35V		F931V474MAA	K78160055		1-	B	c3
C 8088	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d1
C 8089	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d3
C 8090	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-	B	d1
C 8091	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0CZ01D	K22178204		1-	B	d2
C 8092	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-	B	d3
C 8093	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0CZ01D	K22178204		1-	B	d3
C 8094	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 8095	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	d1
C 8096	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d2
C 8098	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	d3
C 8099	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d3
C 8101	CHIP CAP.	3pF	50V	CJ	GRP1553C1H3R0CZ01E	K22178205		1-	B	d1
C 8102	CHIP CAP.	3pF	50V	CJ	GRP1553C1H3R0CZ01E	K22178205		1-	B	d3
C 8103	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d1
C 8104	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d2
C 8105	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d3
C 8106	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d3
C 8107	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	B	c2
C 8108	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0BZ01D	K22178292		1-	B	c3
C 8109	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 8110	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8114	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 8115	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 8117	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B4
C 8118	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B4
C 8119	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D2
C 8122	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	D2
C 8123	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D2
C 8126	CHIP TA.CAP.	100uF	4V		TEESVAOG107M8R	K78060051		1-	A	D3
C 8127	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 8128	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 8131	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 8132	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	C3
C 8133	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e2
C 8134	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 8135	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 8136	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 8137	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 8138	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 8140	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e1
C 8141	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	e4
C 8142	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 8143	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 8144	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e1
C 8145	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e4
C 8146	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E2
C 8147	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	E2
C 8148	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	A	B1
C 8149	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0CZ01D	K22178204		1-	A	A4
C 8150	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-	A	B1
C 8151	CHIP CAP.	47pF	50V	CH	GRM1552C1H470GZ01D	K22179709		1-	A	D3
C 8152	CHIP CAP.	47pF	50V	CH	GRM1552C1H470GZ01D	K22179709		1-	A	D3
C 8153	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-	A	A4
C 8155	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	A	A4
C 8156	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D2
C 8157	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 8158	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 8159	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 8160	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D2
C 8161	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D3
C 8162	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D3
C 8163	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D3
C 8164	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D2
C 8165	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D3
C 8169	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 8171	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3
C 8172	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C1
C 8173	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e1

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 8174	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 8175	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3
C 8176	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C4
C 8177	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C1
C 8178	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 8179	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	A	A3
C 8180	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e3
C 8181	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C1
C 8182	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	A	C1
C 8183	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 8184	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A3
C 8185	CHIP CAP.	180pF	50V	CH	GRM1552C1H181JA01D	K22179711		1-	A	A2
C 8186	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C1
C 8187	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C1
C 8188	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e3
C 8189	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 8190	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C1
C 8191	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B1
C 8192	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A3
C 8195	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C4
C 8196	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 8197	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	A3
C 8198	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 8199	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B1
C 8200	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C1
C 8201	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	A3
C 8202	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B1
C 8203	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C4
C 8204	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A3
C 8205	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B1
C 8206	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E2
C 8207	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E2
C 8211	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-		
CD8001	CERAMIC DISC				CDA450C24	H7901430		1-	A	A3
CD8002	CERAMIC DISC				CDA450C24	H7901430		1-	A	C1
CF8001	CERAMIC FILTER				LTM450EW	H3900574		1-	A	A2
CF8002	CERAMIC FILTER				LTM450EW	H3900574		1-	A	C1
D 8002	DIODE				1SS302(TE85R.F)	G2070088		1-	A	A1
D 8003	DIODE				HVC358B TRF-E	G2070590		1-	A	C2
D 8004	DIODE				HVC358B TRF-E	G2070590		1-	A	C2
D 8005	DIODE				HVU350 TRF-E	G2070380		1-	A	C3
D 8006	DIODE				HVU350 TRF-E	G2070380		1-	A	C4
D 8007	DIODE				HSB88WS TR-E	G2070290		1-	A	B2
D 8008	DIODE				HSB88WS TR-E	G2070290		1-	A	B3
D 8009	DIODE				UDZS TE-17 6.8B	G2070888		1-	A	D1
D 8010	DIODE				DA221 TL	G2070178		1-	A	B1
D 8011	DIODE				DA221 TL	G2070178		1-	A	A3
D 8012	DIODE				BAS316	G2070716		1-	B	c1
FB8001	FERRITE BEADS				SMB304729	L9190094		1-		
FB8002	FERRITE BEADS				SMB304729	L9190094		1-		
J 8001	CONNECTOR				21B12564-03S10B-01G-6/3	P0091527		1-	B	e1
J 8002	CONNECTOR				FH12-13S-0.5SV(55)	P1091394		1-	A	B4
J 8003	CONNECTOR				AXK6F10545YJ	P0091423		1-	A	E2
J 8004	CONNECTOR				21B12564-03S10B-01G-6/3	P0091527		1-	B	a2
L 8002	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	A	A1
L 8003	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	C2
L 8004	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	C3
L 8005	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 8006	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C3
L 8007	M.RFC	0.27uH			LK1608 R27K-T	L1690411		1-	A	A2
L 8008	M.RFC	0.027uH		2%	C2012C-27NG-RA	L1690769		1-	A	C2
L 8009	M.RFC	0.039uH		2%	C2012C-39NG-RA	L1690771		1-	A	C4
L 8010	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 8011	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 8012	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C3
L 8013	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C4
L 8014	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	A2
L 8015	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	A	A2
L 8016	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	d2
L 8017	M.RFC	0.15uH			HK1608 R15J-T	L1690938		1-	B	d3
L 8018	M.RFC	0.027uH			HK1608 27NJ-T	L1690521		1-	B	d2
L 8019	M.RFC	0.027uH			HK1608 27NJ-T	L1690521		1-	B	d3
L 8020	M.RFC	0.033uH			HK1608 33NJ-T	L1690522		1-	B	d2

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 8021	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	d2
L 8022	M.RFC	0.033uH			HK1608 33NJ-T	L1690522		1-	B	d3
L 8023	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	d3
L 8024	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	A	B2
L 8025	M.RFC	0.022uH			HK1608 22NJ-T	L1690520		1-	A	B2
L 8026	M.RFC	0.022uH			HK1608 22NJ-T	L1690520		1-	A	B2
L 8027	M.RFC	0.1uH		2%	C1608CB-R10G-RF	L1691045		1-	B	e2
L 8028	M.RFC	0.1uH		2%	C1608CB-R10G-RF	L1691045		1-	B	e3
L 8029	M.RFC	4.7uH			LK1608 4R7K-T	L1690688		1-	B	e2
L 8030	M.RFC	4.7uH			LK1608 4R7K-T	L1690688		1-	B	e4
L 8031	M.RFC	1uH		5%	C2012C-1R0J	L1691160		1-	B	e1
L 8032	M.RFC	1uH		5%	C2012C-1R0J	L1691160		1-	B	e4
L 8033	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-	A	B1
L 8034	M.RFC	0.82uH			LK1608 R82K-T	L1690417		1-	A	A3
L 8035	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	A2
L 8036	M.RFC	0.15uH			LK1608 R15K-T	L1690409		1-	A	C1
Q 8001	TRANSISTOR				DTB123EK T146	G3070022		1-	A	C4
Q 8002	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d2
Q 8003	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d3
Q 8004	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	C4
Q 8005	TRANSISTOR				2SC5006-T1	G3350068		1-	A	C2
Q 8006	TRANSISTOR				2SC5006-T1	G3350068		1-	A	C3
Q 8007	IC				NJM7808DL1A-TE1	G1093802		1-	A	D4
Q 8008	IC				TAR5S33U(TE85L.F)	G1094549		1-	A	D4
Q 8009	FET				2SK210-GR(TE85R.F)	G3802107G		1-	A	C2
Q 8010	FET				2SK210-GR(TE85R.F)	G3802107G		1-	A	C3
Q 8011	FET				RTQ030P02	G4070015		1-	A	D4
Q 8012	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	D4
Q 8013	FET				3SK294(TE85L)	G4802948		1-	A	A2
Q 8014	TRANSISTOR				2SC5006-T1	G3350068		1-	B	d2
Q 8015	TRANSISTOR				2SC5006-T1	G3350068		1-	B	d3
Q 8016	IC				SN74HCT04PWR	G1094484		1-	A	D2
Q 8017	TRANSISTOR				2SA1774 TL R	G3117748R		1-	A	D2
Q 8018	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	D2
Q 8019	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	e2
Q 8020	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	e4
Q 8021	IC				CMX7032L9	G1094721		1-	A	D3
Q 8023	IC				R1EX25512ATA00I	G1094794		1-	A	E2
Q 8024	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	A	B1
Q 8025	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	A	A3
Q 8026	IC				NJM2591V-TE1	G1094024		1-	A	A3
Q 8027	IC				NJM2591V-TE1	G1094024		1-	A	C1
Q 8028	IC				HD74LV1GU04ACME	G1093739		1-	A	C4
Q 8029	TRANSISTOR				DTC143EE TL	G3070114		1-	B	c1
R 8002	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A1
R 8004	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d1
R 8006	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 8007	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A1
R 8008	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 8009	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C2
R 8010	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 8011	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C3
R 8012	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C2
R 8013	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C2
R 8014	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 8015	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C3
R 8016	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C2
R 8017	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	B2
R 8018	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C3
R 8019	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	A2
R 8020	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 8021	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 8022	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B2
R 8023	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	A2
R 8024	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	B2
R 8025	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	A2
R 8026	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	A2
R 8027	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d2
R 8028	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d3
R 8030	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A2
R 8031	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 8032	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d4
R 8033	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d2

AIS-2 Unit (CE model)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 8034	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d3
R 8036	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	d2
R 8037	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	d2
R 8038	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	d3
R 8039	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	d3
R 8041	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c2
R 8042	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c3
R 8043	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	d2
R 8044	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	d3
R 8045	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 8046	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	B	c2
R 8047	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 8048	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	B	c3
R 8056	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 8057	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D2
R 8058	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D2
R 8059	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	C3
R 8060	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	C3
R 8061	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C2
R 8062	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		1-	A	D3
R 8063	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		1-	B	e2
R 8064	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		1-	B	e4
R 8065	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 8066	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	e1
R 8067	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	B	e1
R 8068	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	e3
R 8069	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	B	e4
R 8070	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 8071	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 8072	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E2
R 8073	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 8074	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e1
R 8075	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	e4
R 8076	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D2
R 8077	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 8078	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e1
R 8079	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 8080	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e4
R 8081	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 8082	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	B1
R 8083	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 8084	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D2
R 8085	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A4
R 8086	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	D2
R 8087	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E2
R 8088	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D3
R 8089	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D3
R 8090	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	D3
R 8091	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	D3
R 8092	CHIP RES.	390	1/16W	5%	RMC1/16S 391JTH	J24189020		1-	A	B1
R 8093	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D2
R 8094	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D2
R 8095	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B1
R 8096	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	A	A3
R 8097	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D2
R 8098	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 8099	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	A3
R 8100	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B1
R 8101	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A3
R 8102	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A3
R 8103	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C1
R 8104	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	B1
R 8105	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C4
R 8106	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D3
R 8107	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	e3
R 8108	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A3
R 8109	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C1
R 8110	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 8111	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C4
R 8112	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	A	A3
R 8113	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	A	C1
R 8114	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C4
R 8115	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A3

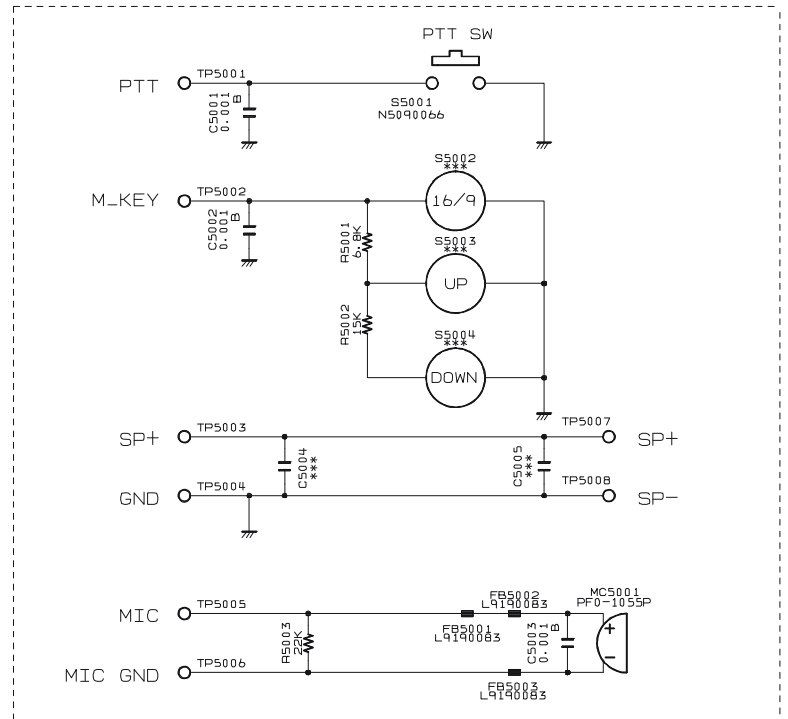
AIS-2 Unit (CE model)

Parts List

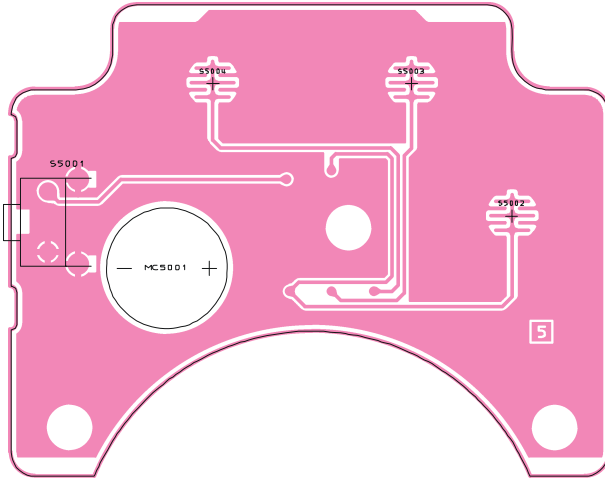
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 8116	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B1
R 8122	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d2
R 8123	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e3
RL8001	RELAY		DC12V		FTR-F1CD012V DC12V	M1190206		1-	A	E1
SC8001	SHIELD CASE VCO					RA1184700		1-	A	C2
SC8002	SHIELD CASE VCO					RA1184700		1-	A	C3
T 8001	BALUN TRANSFOMERS				4BLH	L0023080		1-	A	B2
T 8002	BALUN TRANSFOMERS				4BLH	L0023080		1-	A	B3
T 8003	BALUN TRANSFOMERS				4BLH	L0023080		1-	A	B1
T 8004	BALUN TRANSFOMERS				4BLH	L0023080		1-	A	B3
X 8001	TCXO	16.8MHz			DSB321SCA 16.8MHZ	H9501272		1-	A	C1
X 8002	TCXO	19.2MHz			DSB321SCA 19.2MHZ	H9501271		1-	A	C4
XF8001	SAW FILTER				HDF160F SMD-3	H4900027		1-	A	A1
XF8002	SAW FILTER				HDF160F SMD-3	H4900027		1-	A	A2
XF8003	XTAL FILTER				TF4-67EA1 67.65MHZ	H1102399		1-	A	B1
XF8004	XTAL FILTER	MHz			D38815GQ15 38.85M	H1102458		1-	A	A4
	SHIELD LEAF SPRING GASKET				(S) (10x15x15)	RA1169100 RA1096200 RA1252600		1- 1- 1-		

MIC Unit

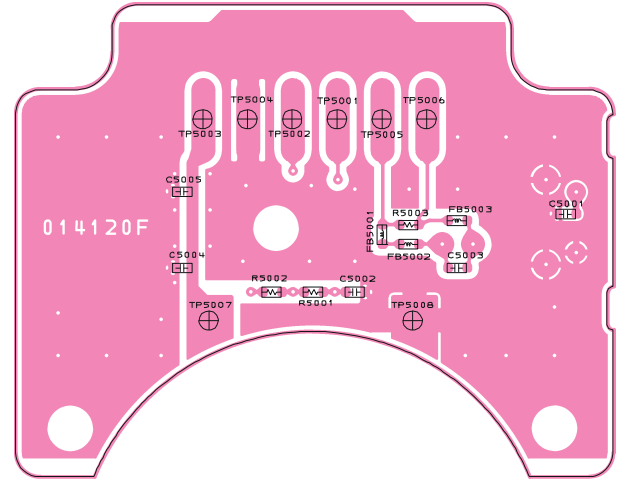
Circuit Diagram



Parts Layout



(Side A)



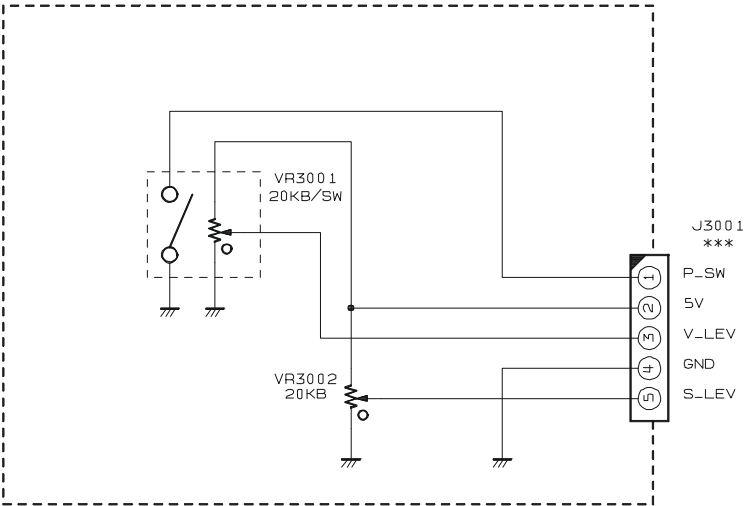
(Side B)

Parts List

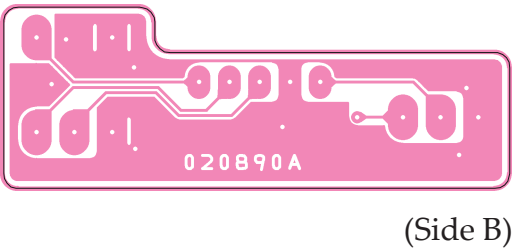
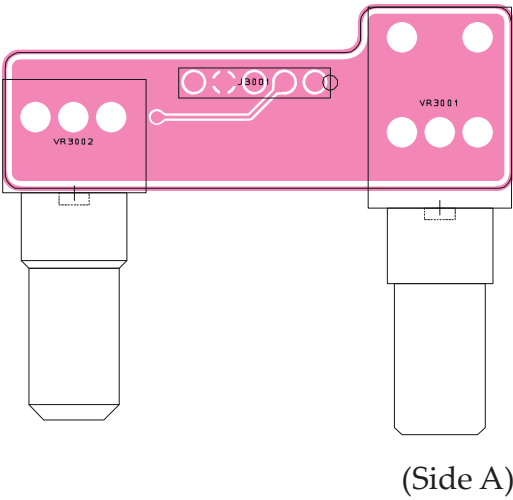
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	Printed Circuit Board					FR014120F		1-		
C 5001	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	
C 5002	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	
C 5003	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	
FB5001	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	
FB5002	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	
FB5003	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	
MC5001	MIC. ELEMENT				PF0-1055P	M3290045		1-	A	
R 5001	CHIP RES.	6.8k	1/16W	5%	RMC1/16 682JATP	J24185682		1-	B	
R 5002	CHIP RES.	15k	1/16W	5%	RMC1/16 153JATP	J24185153		1-	B	
S 5001	TACT SWITCH				SKHLLD	N5090066		1-	A	

VR Unit

Circuit Diagram



Parts Layout



Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	Printed Circuit Board				AM044N000	FR0208900		1-		
J 3001	CONNECTOR				21B12050-05S10B01G3.5/3.5	P0091530		1-		
VR3001	POT.				RK0971114Z16 20KB/SW	J60800290		1-		
VR3002	POT.				WH9011A-1-40D15/5H=5B20K	J60800295		1-		



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