



25 Watt VHF/FM DSC Marine Transceiver

ECLIPSE DSC+ GX1100S/E

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

GENERAL

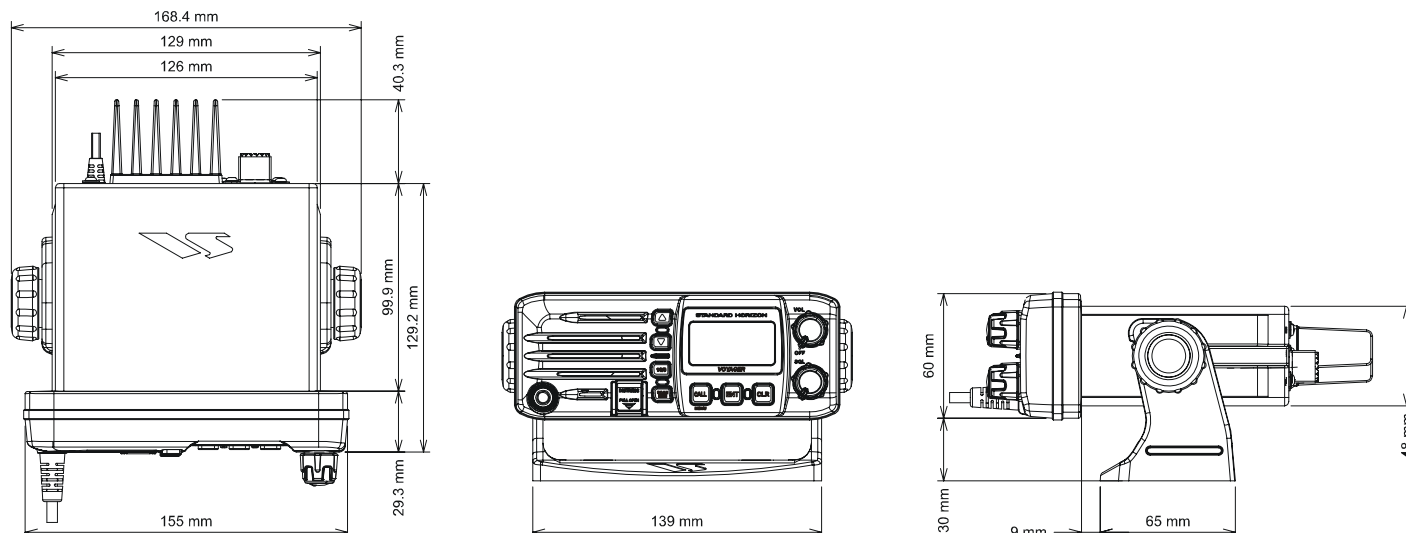
Channels:	All USA, International and Canadian
Input Voltage:	13.8 VDC $\pm 20\%$
Current Drain:	Standby 0.3 A Receive 1.0 A Transmit 5.5 A (Hi); 1.5 A (Lo)
Individual DSC Directory Memory:	48
Group DSC Directory Memory:	20
Dimensions:	2.4" H x 6.1" W x 6.7" D (60 H x 155 W x 170 D mm)
Flush-Mount Dimensions:	2.0" H x 5.2" W x 6.7" D (51 H x 131 W x 170 D mm)
Weight:	1.7 lbs (770 g)

TRANSMITTER

Frequency Range:	156.025 to 157.425 MHz
RF Output:	25 W (Hi); 1 W (Lo)
Conducted Spurious Emissions:	80 dB (Hi); 66 dB (Lo)
Audio Response:	within $+1/-3$ of a 6 dB/octave pre-emphasis characteristic at 300 to 3000 Hz
Audio Distortion:	5 %
Modulation:	16K0G3E, for DSC 16K0G2B
Frequency Stability (-20°C to $+50^{\circ}\text{C}$):	$\pm 1.5\text{kHz}$
FM Hum and Noise:	50 dB

RECEIVER

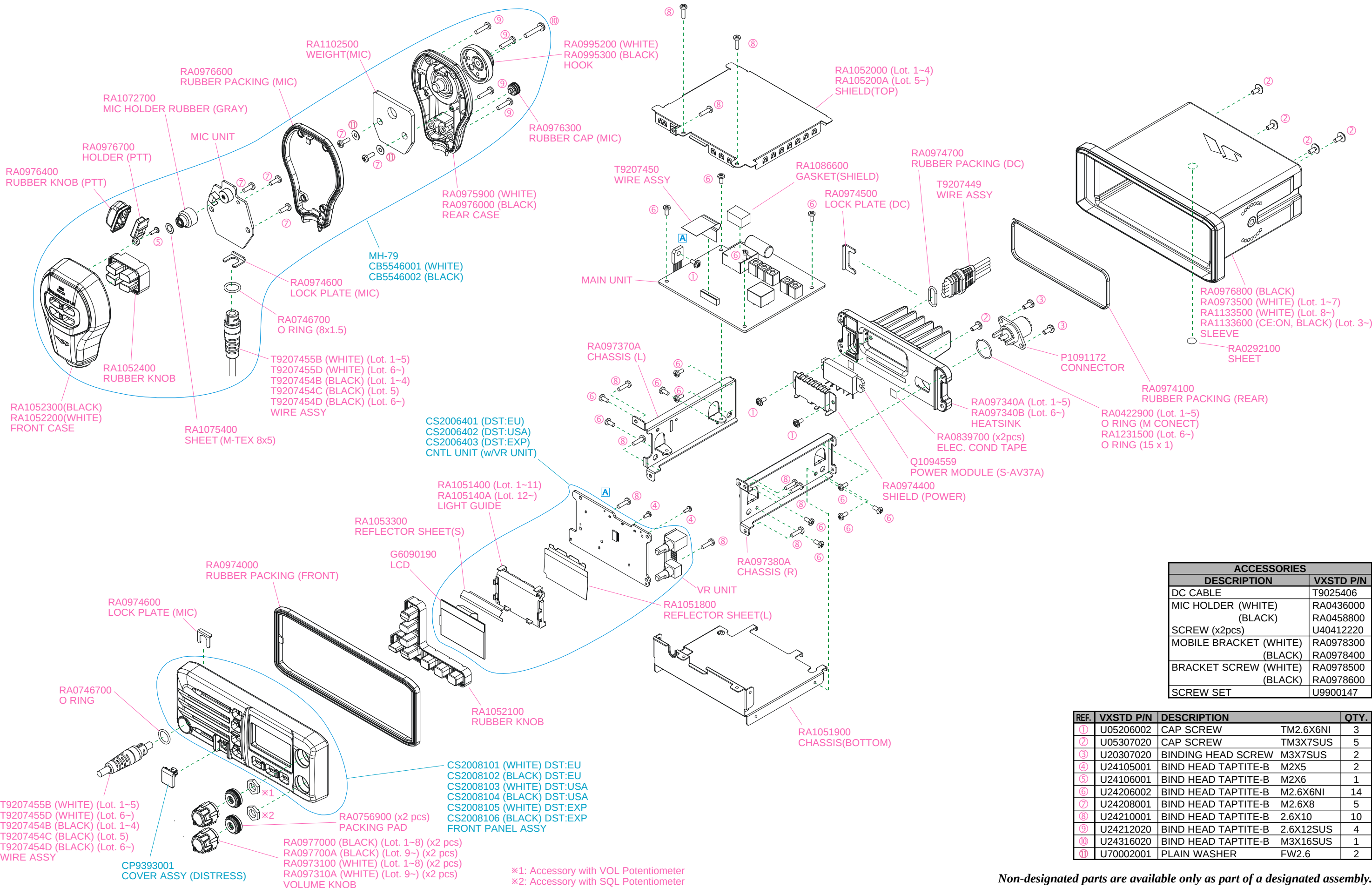
Frequency Range:	156.050 to 163.275 MHz
Sensitivity:	20 dB SINAD $0.3\ \mu\text{V}$ 20 dB SINAD (70 CH Receiver) $0.3\ \mu\text{V}$
Squelch Sensitivity (Threshold):	$0.35\ \mu\text{V}$
Modulation Acceptance Bandwidth:	$\pm 7.5\text{kHz}$
Selectivity (TYP.):	-70 dB (Spurious and Image Rejection) -70 dB (Intermodulation and Rejection at 20 dB SINAD)
Audio Output:	4.5 W
Audio Response:	within $+1/-3$ of a 6 dB/octave de-emphasis characteristic at 300 to 3000 Hz
Frequency Stability (-20°C to $+50^{\circ}\text{C}$):	$\pm 1.5\text{kHz}$
Channel Spacing:	25 kHz
DSC Format:	ITU-R M.493
NMEA Input/Output:	Output - DSC, DSE Input - GLL, GGA, RMC and GNS



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.

Exploded View & Miscellaneous Parts



ACCESSORIES	
DESCRIPTION	VXSTD P/N
DC CABLE	T9025406
MIC HOLDER (WHITE) (BLACK)	RA0436000 RA0458800
SCREW (x2pcs)	U40412220
MOBILE BRACKET (WHITE) (BLACK)	RA0978300 RA0978400
BRACKET SCREW (WHITE) (BLACK)	RA0978500 RA0978600
SCREW SET	U9900147

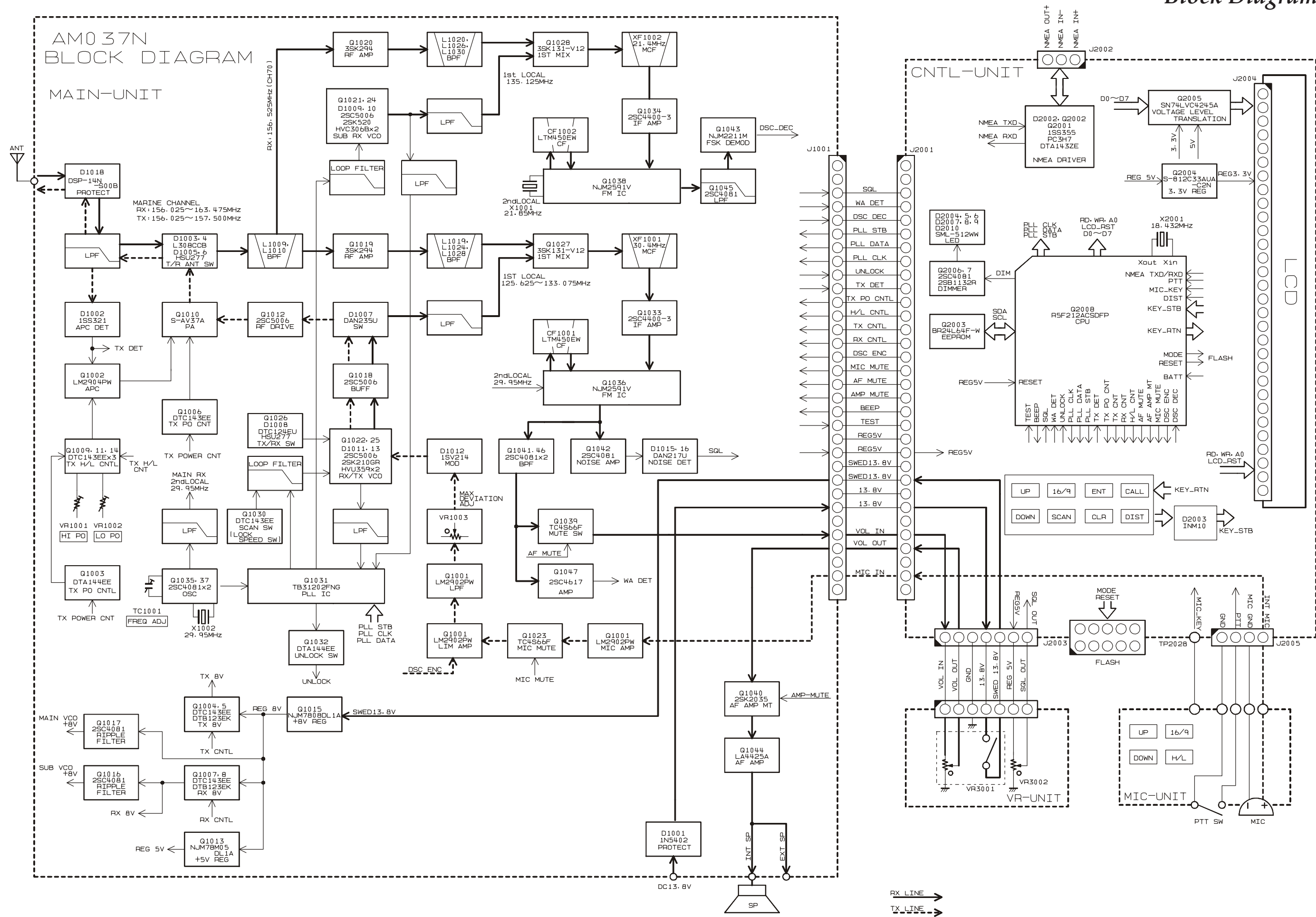
REF.	VXSTD P/N	DESCRIPTION	QTY.
①	U05206002	CAP SCREW TM2.6X6NI	3
②	U05307020	CAP SCREW TM3X7SUS	5
③	U20307020	BINDING HEAD SCREW M3X7SUS	2
④	U24105001	BIND HEAD TAPTITE-B M2X5	2
⑤	U24106001	BIND HEAD TAPTITE-B M2X6	1
⑥	U24206002	BIND HEAD TAPTITE-B M2.6X6NI	14
⑦	U24208001	BIND HEAD TAPTITE-B M2.6X8	5
⑧	U24210001	BIND HEAD TAPTITE-B 2.6X10	10
⑨	U24212020	BIND HEAD TAPTITE-B 2.6X12SUS	4
⑩	U24316020	BIND HEAD TAPTITE-B M3X16SUS	1
⑪	U70002001	PLAIN WASHER FW2.6	2

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

Exploded View & Miscellaneous Parts

Note

Block Diagram



Block Diagram

Note

Circuit Description

Reception and transmission are switched by 16-bit MPU IC **Q2008 (R5F212ACSDFP)** on the CNTL Unit. The main receiver uses double-conversion superheterodyne circuitry, with a 30.40 MHz 1st IF and 450 kHz 2nd IF. The 1st local is produced by a PLL synthesizer, yielding the 30.40 MHz 1st IF. The 2nd local uses a 29.95 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 MAIN Unit, and pass through a low-pass filter (LPF) consisting of coils L1001 & L1002 and capacitors C1001, C1005, & C1017, and antenna switching diode **D1004 (L308CCB)** for delivery to the receiver front end.

Signals within the frequency range of the transceiver are passed through a bandpass filter consisting of coils L1009 & L1010 and capacitors C1047, C1050, C1058, & C1064, before RF amplifier **Q1019 (3SK294)**.

The amplified RF is passed through a bandpass filter consisting of coils L1019, L1024, & L1028 and capacitors C1132, C1138, C1145, C1154 & C1160. The pure in-band input signal is delivered to the main 1st mixer **Q1027 (3SK131)**.

Buffered output from the MAIN VCO is amplified by **Q1018** and **Q1022** (both **2SC5006**) and low-pass filtered by coils L1016 & L1022 and capacitors C1034, C1040, & C1049, to provide a pure 1st local signal between 125.650 and 132.875 MHz for delivery to the main 1st mixer.

The 30.40 MHz 1st mixer product is passed through the monolithic crystal filter XF1001 (± 6.5 kHz BW), and is amplified by **Q1033 (2SC4400)**.

After that, it is delivered to the input of the FM IF subsystem IC **Q1036 (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 **Q1036 (NJM2591V)** is produced from crystal X1002 (29.950 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 audio from the FM IF subsystem IC **Q1036 (NJM2591V)** is amplified by **Q1046** and **Q1041** (both **2SC4081**). The amplified signal is passed through the AF mute switch **Q1039 (TC4S66F)**, the AF AMP mute switch **Q1040 (2SK2035)** and the front panels volume control. The adjusted audio signal is delivered to the AF power amplifier **Q1044 (LA4425A)**.

The amplified audio signal is delivered to the 8 Ohms internal loudspeaker and external Speaker terminal in the accessory cable.

PLL Synthesizer

The 1st Local signal maintains stability from the dual PLL synthesizer IC **Q1031 (TB31202FNG)** by using a 29.950 MHz reference signal from crystal X1001. The dual PLL synthesizer IC **Q1031 (TB31202FNG)** 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 dual PLL synthesizer IC **Q1031 (TB31202FNG)** divides the 29.950 MHz reference signal by 2396 using the reference counter (12.5 kHz comparison frequency).

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, and then fed back to the VCO as a voltage with phase error, controlling and stabilizing the oscillating frequency. This synthesizer also operates as a modulator during transmit.

The VCO consists of **Q1025 (2SK210GR)** and varactor diodes **D1011** and **D1013** (both **HVU359**), which oscillates at 30.40 MHz below from the receiving frequency while receiving, and oscillates at the fundamental transmit frequency during a transmit with direct frequency-modulation using varactor diode **D1012 (1SV214)**. The VCO output passes through buffer amplifier **Q1022** and **Q1018** (both **2SC5006**) to obtain stable output, then applied to the 1st mixer of while receiving, and to the driver amplifier **Q1012 (2SC5006)** during a transmit.

The DC supply for the VCO is regulated by **Q1017 (2SC4154)**.

Circuit Description

Transmitter

The voice from the microphone is passed through the CNTL Unit to the microphone amplifier **Q1001 (LM2902PW)** on the MAIN Unit, a pre-emphasis network, limiter (IDC: instantaneous deviation control), and low-pass filter network, the audio is adjusted for optimum deviation level.

The voice or DSC (Digital Selective Calling) encoded signal from the low-pass filter network **Q1001 (LM2902PW)** is applied to the VCO **Q1025 (2SK210GR)** which oscillates at the fundamental transmit frequency with direct frequency-modulation using varactor diode **D1012 (1SV214)**. The modulated signal is amplified by the buffer amplifier **Q1022** and **Q1018** (both 2SC5006), then passed through the diode switch **D1007 (DAN235U)** to drive amplifiers **Q1012 (2SC5006)** and RF power amplifier module **Q1010 (S-AV37A)**.

The RF energy then passes through antenna switch **D1003 (L308CCB)** and low-pass filter (LPF) consisting of coils L1001 & L1002 and capacitors C1001, C1005, & C1017, and finally to the antenna connector.

RF output power from the RF power amplifier module **Q1010 (S-AV37A)** is sampled by C1008 and C1011 and is rectified by **D1002 (1SS321)**. The resulting DC is fed through Automatic Power Controller **Q1024 (LM2904PW)** to RF power amplifier module **Q1010 (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 80 dB of harmonic suppression prior to delivery of the RF energy to the antenna.

DSC Encoder/ Decoder

Encoder

The DSC (Digital Selective Calling) encode signal which D/A converted in the 16-bit MPU IC **Q2008 (R5F212ACSDFP)** on the CNTL Unit is fed through the low-pass filter **Q1001 (LM2902PWR)** on the MAIN Unit to the VCO **Q1025 (2SK210GR)**.

Decoder

Incoming the receiving DSC code on the CH70 (156.525 MHz) from the antenna connector are passed through a SUB-RX RF amplifier **Q1020 (3SK294)** to the bandpass filter consisting of coils L1020, L1026, and L1030 and capacitors C1135, C1143, C1151, C1155 and C1162 then the filtered signal deliver to SUB-RX 1st mixer **Q1028 (3SK131)**.

Buffered output from the SUB VCO **Q1024 (2SK520)** is amplified by **Q1021 (2SC5006)** and bandpass filtered by coils L1033 and L1034 and capacitors C1176, C1181 and C1191, to provide a pure 1st local signal (135.125 MHz) for delivery to the SUB-RX 1st mixer **Q1028 (3SK131)**.

The 21.40 MHz 1st mixer product then passes through monolithic crystal filters XF1002 (± 6.5 kHz BW) and buffer amplifier **Q1034 (2SC4400-3)**, then delivered to the SUB-RX FM IF subsystem IC **Q1038 (NJM2591V)**. This IC contains the 2nd mixer, 2nd local oscillator, limiter amplifier, FM detector, noise amplifier, and squelch gates.

The 2nd local is produced by crystal X1001 (21.850 MHz) then deliver to the 2nd mixer in the SUB-RX FM IF subsystem IC **Q1038 (NJM2591V)**. The 1st IF is converted to 450 kHz by the 2nd mixer and stripped of unwanted components by ceramic filter CF1002.

Filtered signal from the ceramic filter CF1002 is applied to the limiter amplifier in the SUB-RX FM IF subsystem IC **Q1038 (NJM2591V)**, and then demodulate by the FM detector in the SUB-RX FM IF subsystem IC **Q1038 (NJM2591V)**. Demodulated signal from the SUB-RX FM IF subsystem IC **Q1038 (NJM2591V)** is passes through the low-pass filter **Q1045 (2SC4154E)** to the DSC Decoder IC **Q1043 (NJM2211M)** which the receiving DCS code is decoded. The decoded DCS signal delivered to the 16-bit MPU IC **Q2008 (R5F212ACSDFP)**.

The SUB-RX 1st Local signals maintains stability from the dual PLL synthesizer by using a 29.950 MHz reference signal from crystal X1002. The dual PLL synthesizer IC **Q1031 (TB31202FNG)** 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 dual PLL synthesizer IC **Q1031 (TB31202FNG)** divides the 29.950 MHz reference signal by 2396 using the reference counter (12.5 kHz comparison frequency). The reference oscillator feeds to the dual PLL synthesizer IC **Q1031 (TB31202FNG)**.

The SUB 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, and then fed back to the SUB VCO as a voltage with phase error, controlling and stabilizing the oscillating frequency.

The SUB VCO is consisted of **Q1024 (2SK520-K4)** and varactor diode **D1009** and **D1010** (all **1SV286B**), which oscillates at 134.225 MHz. The SUB VCO output passes through buffer amplifier **Q1021** (2SC5006) to obtain stable output.

1050 Hz Weather Alert Decoder

(USA version only)

The 1050 Hz Weather Alert signal from the buffer amplifier **Q1047 (2SC4154)** is applied to 16-bit MPU IC **Q2008 (R5F212ACSDFP)** on the CNTL Unit.

MPU

Operation is controlled by 16-bit MPU IC **Q2008 (R5F212ACSDFP)** on the CNTL Unit. This MPU uses a 18.432 MHz crystal X2001 for the system clock.

EEPROM

The EEPROM **Q2003 (BR24L64F)** on the CNTL Unit retains TX and RX data for all memory channels, prescaler dividing, IF frequency, local oscillator injection side, reference oscillator data and DSC data.

Circuit Description

Note

The **GX1100S/E** 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: 30W 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.

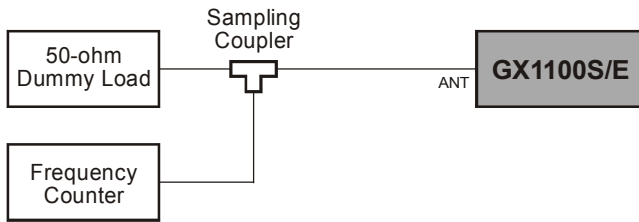
Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 68 °F and 86 °F (20 °C and 30 °C). When the transceiver is brought into the shop from hot or cold air it should be allowed some time for 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

Main Reference Frequency Adjustment

- Setup the test equipment as shown below.



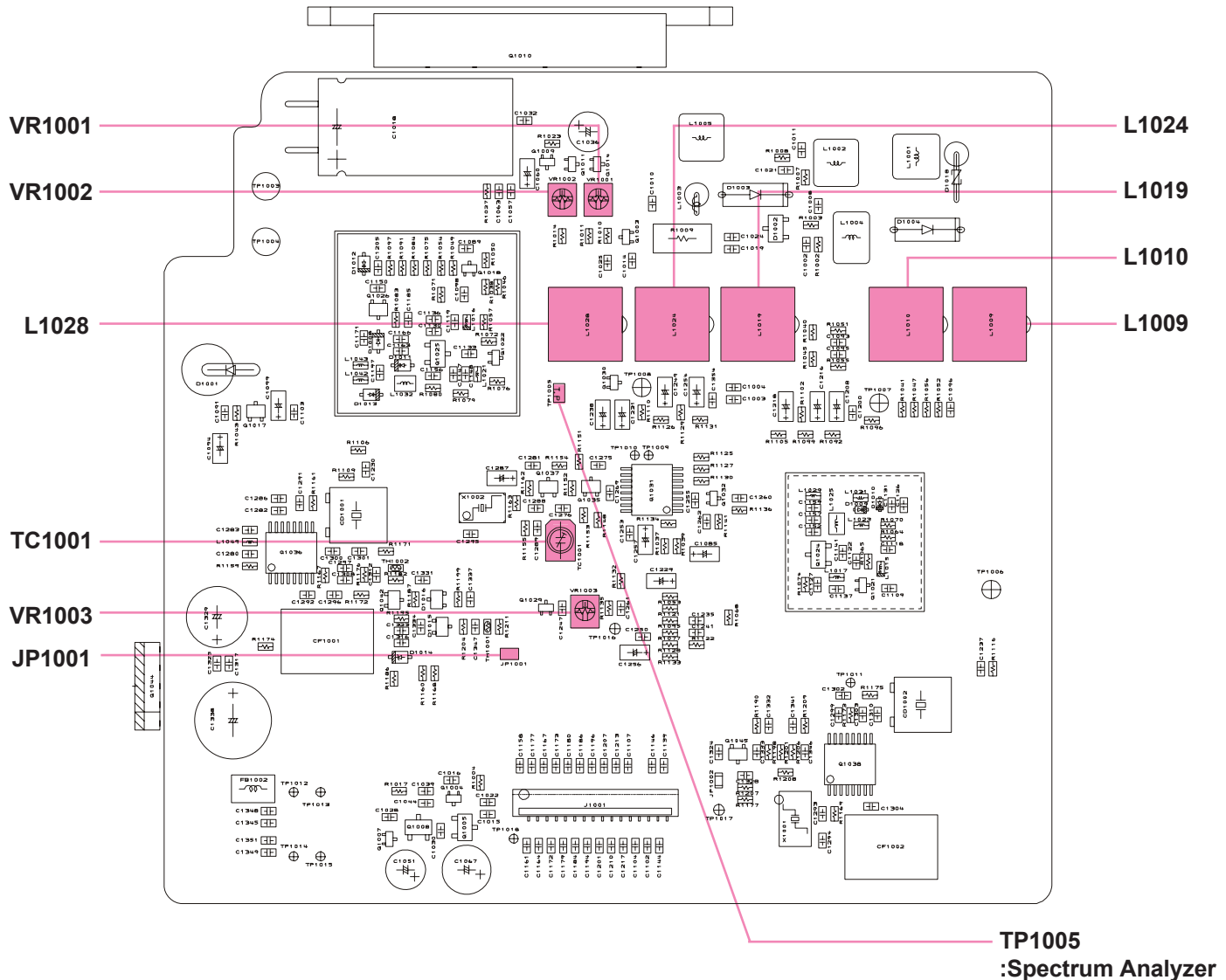
- Set the channel to CH16.
- Use the [H/L] key to set the transceiver to "LOW" power.
- With the **PTT** switch pressed, adjust **TC1001** so that the Frequency Counter reading is 156.800 MHz $\pm$ 100 Hz.

Transmit Power Adjustment

- Setup the test equipment as shown below.



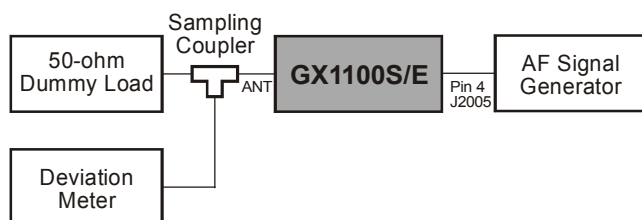
- Set the channel to CH16.
- Use the [H/L] key to set the transceiver to "HI" power.
- With the **PTT** switch pressed, adjust **VR1001** so that RF output power is 24 W $\pm$ 0.3 W.
- Release the **PTT** switch, then set the transceiver to "LOW" power by the [H/L] key.
- With the **PTT** switch pressed, adjust **VR1002** so that RF output power is 0.8 W $\pm$ 0.1 W.
- Release the **PTT** switch.



MAIN UNIT ALIGNMENT POINT

TX Deviation Adjustment

- Setup the test equipment as shown below.



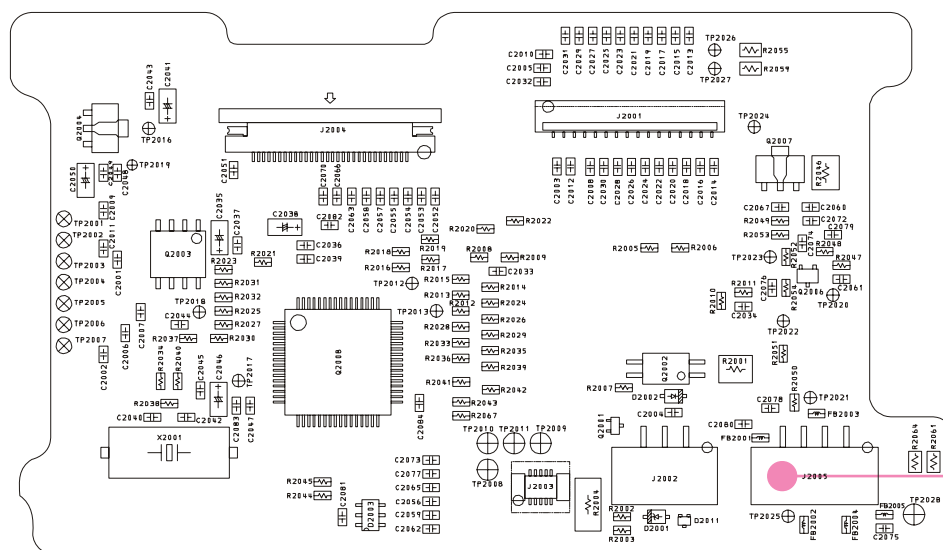
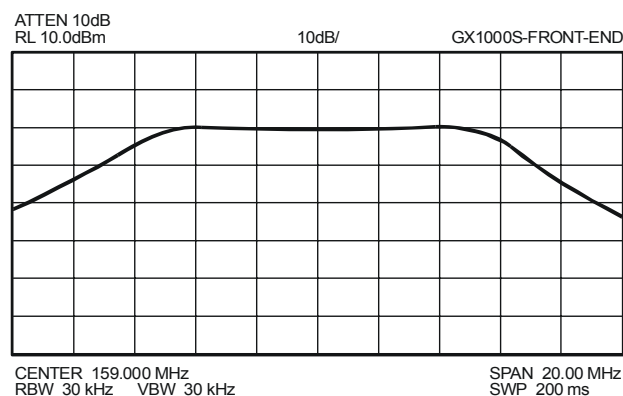
- Set the AF Signal Generator output to 200 mVrms at 1 kHz.
- Set the channel to CH16.
- With the **PTT** switch pressed, adjust **VR1003** so that the maximum deviation is 4.2 kHz $\pm$ 0.1 kHz.
- Release the **PTT** switch.

Receiver Front-end Adjustment

- Setup the test equipment as shown below.



- Set the spectrum analyzer as shown below:
 - CENTER: 159.000 MHz
 - SPAN: 20.000 MHz
 - RBW, VBW: 30 kHz
 - SWP: 200 ms
- Adjust **L1009**, **L1010**, **L1019**, **L1024**, and **L1028** until the wave form shown in below is obtained.



CNTL UNIT ALIGNMENT POINT

**Pin 4
of J2005
: AF Signal
Generator**

Alignment

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 turn the **VOL** knob counter clockwise to turn off the radio.
- ☐ Short the TEST points (**JP1001**).
- ☐ Setup the test equipment as shown below.



- ☐ Turn the **VOL** knob clockwise to turn on the radio while press and holding the [**CALL**] and [**DISTRESS**] keys. The LCD will be shown the Alignment Item (1st Item is Threshold "TH:xxx".)
- ☐ Set the RF Signal Generator output to 156.800 MHz, at a level of $-6\text{dB}\mu$, $\pm 3.0\text{ kHz}$ deviation with a 1 kHz audio tone.
- ☐ Press the [**16/9**] key.
- ☐ Press the [**ENT**] key to save the new setting.



- ☐ Press the [**SCAN(MEM)**] key to recall the Alignment Item "TI:xxx (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 [**16/9**] key.
- ☐ Press the [**ENT**] key to save the new setting.
- ☐ Press the [**SCAN(MEM)**] key to recall the Alignment Item "DSC:xxx (CH70 SQL)".
- ☐ 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 [**16/9**] key.
- ☐ Press the [**ENT**] key to save the new setting.
- ☐ Press the [**SCAN(MEM)**] key to recall the Alignment Item "DC:xxx".
- ☐ Press the [**16/9**] key.
- ☐ Press the [**ENT**] key to save the new setting.



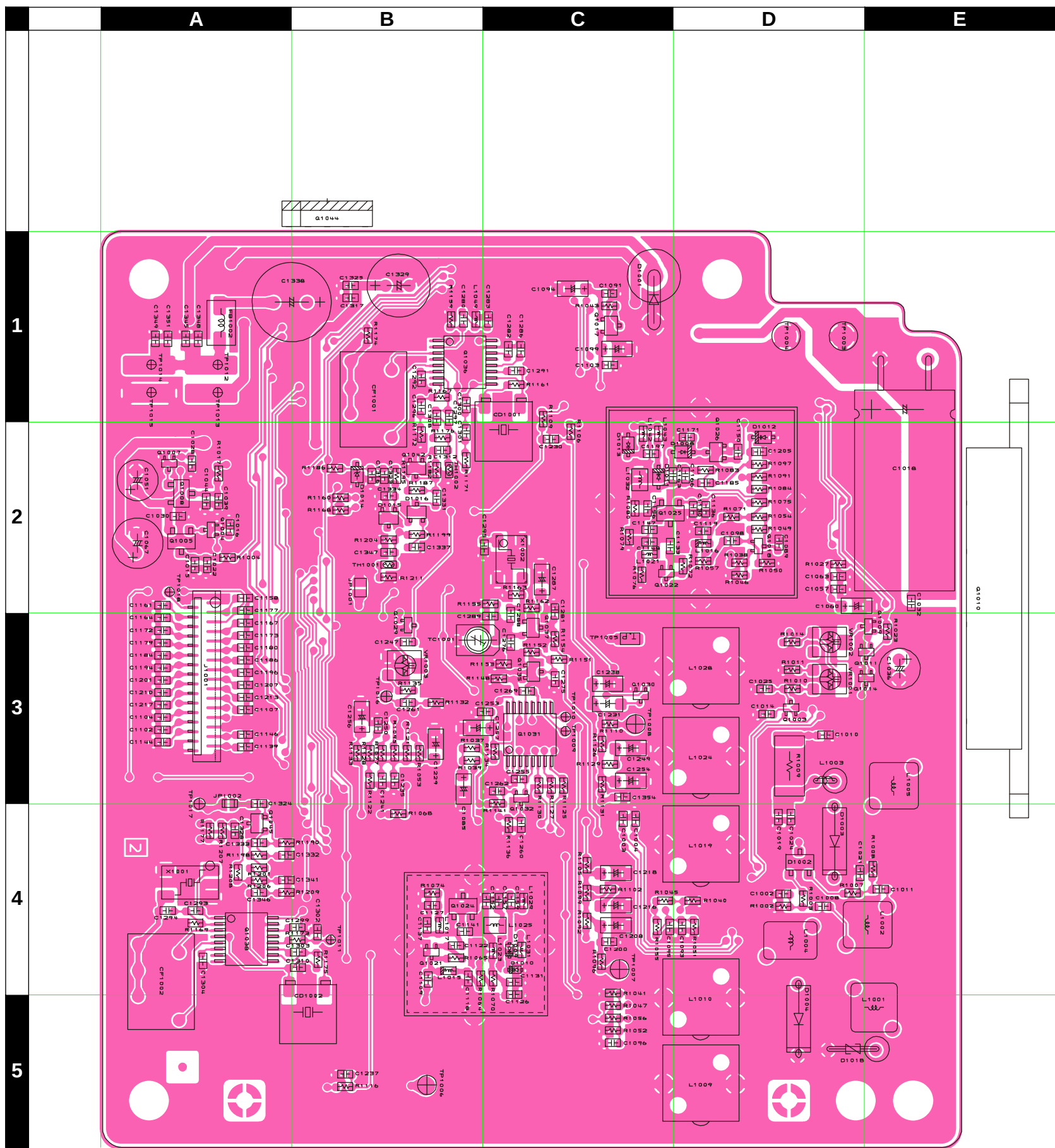
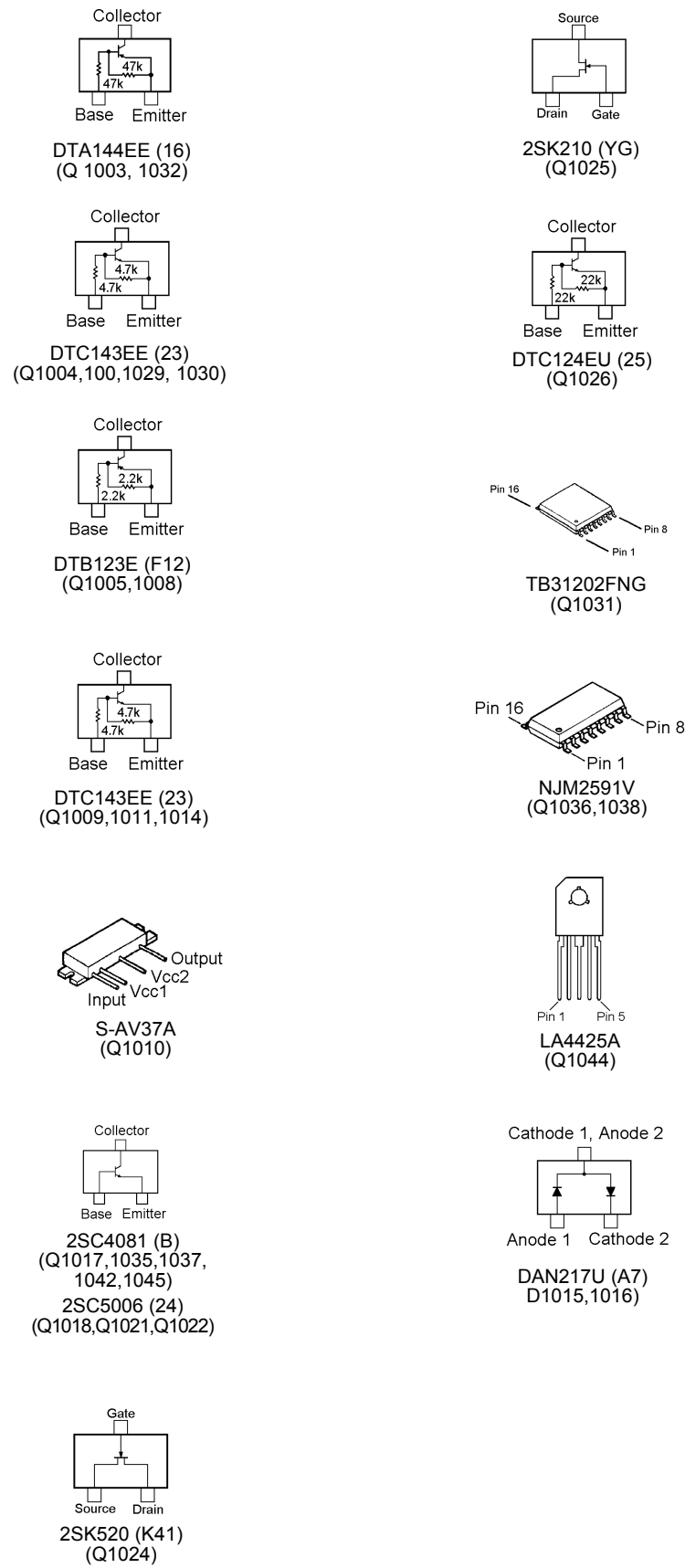
This completes the Software Alignment Mode. To save all settings and exit, press and hold the [**DISTRESS**] key for one second. Turn the transceiver's power off, then disconnect the Jumper from the TEST points (JP1001).

Circuit Diagram



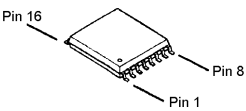
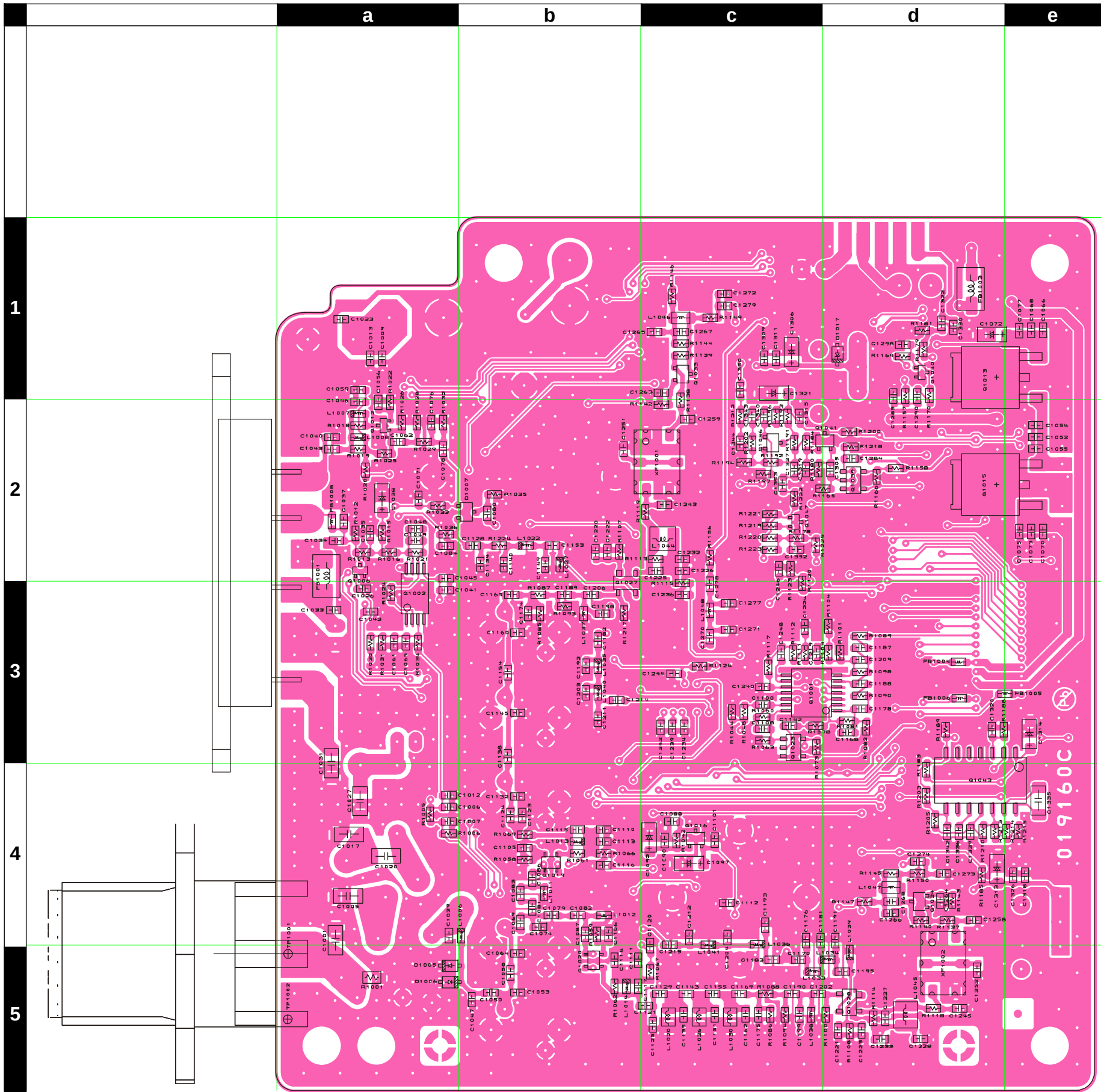
MAIN Unit (Lot. 1)

Note

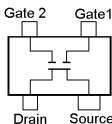


MAIN Unit (Lot. 1)

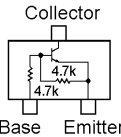
Parts Layout (Side B)



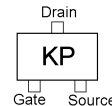
LM2902PWR
(Q1001,1002)



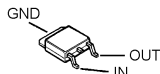
3SK131 (V12)
(Q1027,1028)



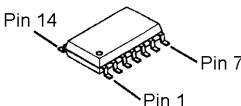
DTC143EE (23)
(Q1006)



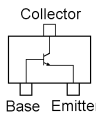
2SK2035 (KP)
(Q1040)



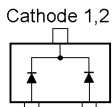
NJM78M05DL1A
(Q1013)
NJM7808DL1A
(Q1015)



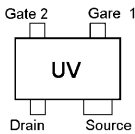
NJM2211M-TE1
(Q1043)



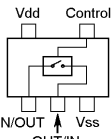
2SC5006 (24)
(Q1012)
2SC4081 (B)
(Q1016, 1041, 1046)
2SC4400 (RT4)
(Q1033,1034)
2SC4617 (BR)
(Q1047)



DAN235U(M)
(D1007)



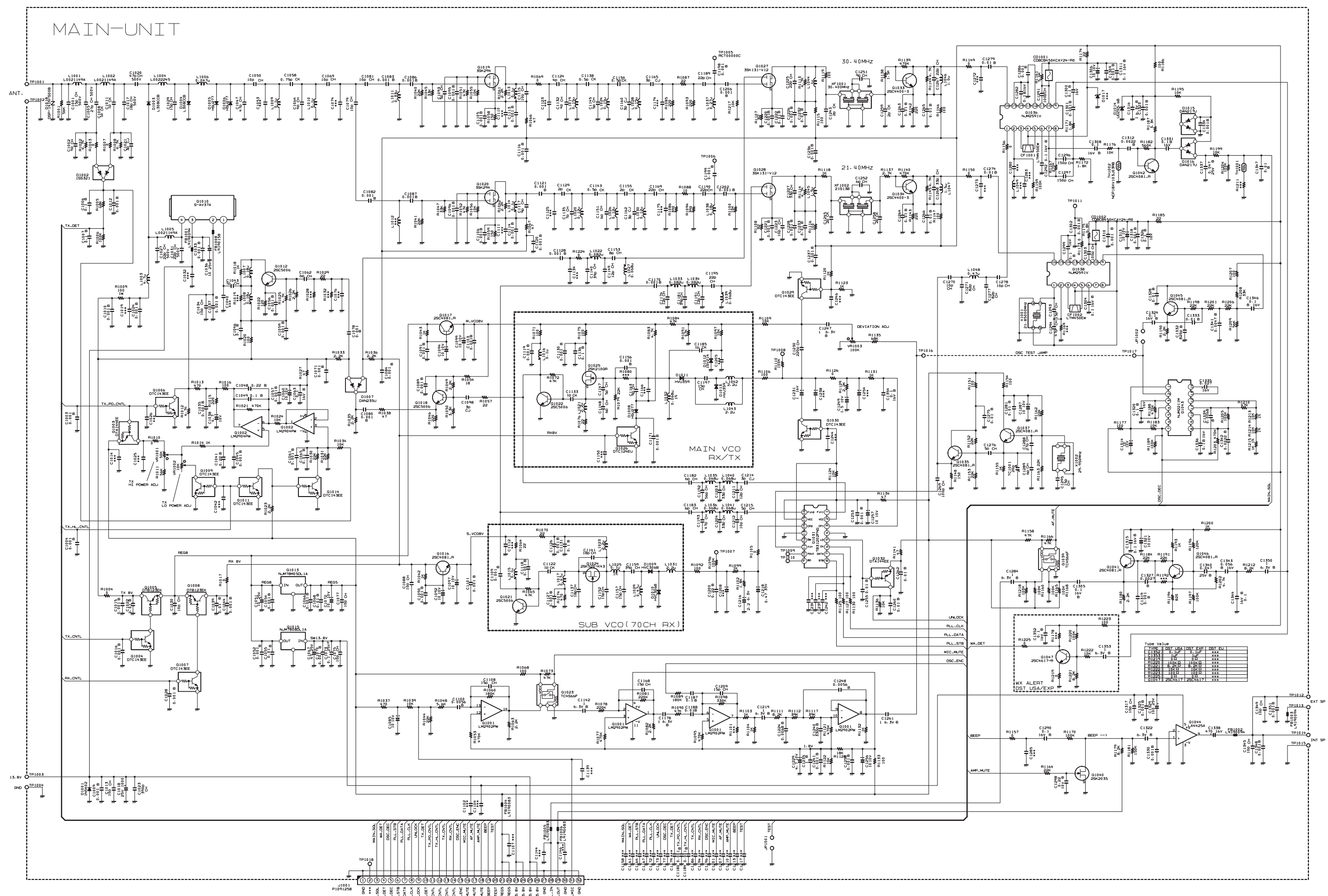
3SK294 (UV)
(Q1019,1020)



TC4S66F (C9)
(Q1023,1039)

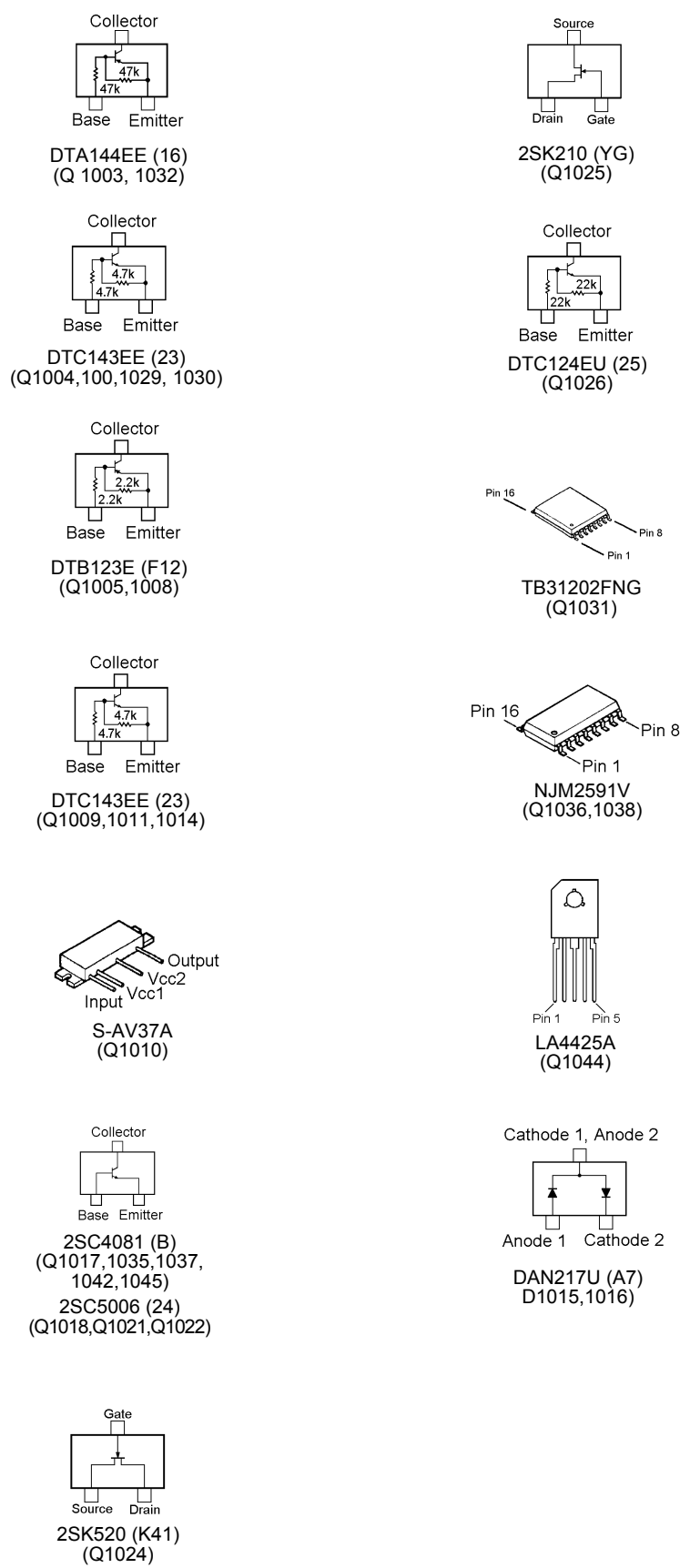
MAIN Unit (Lot. 2~)

Circuit Diagram



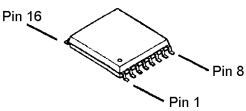
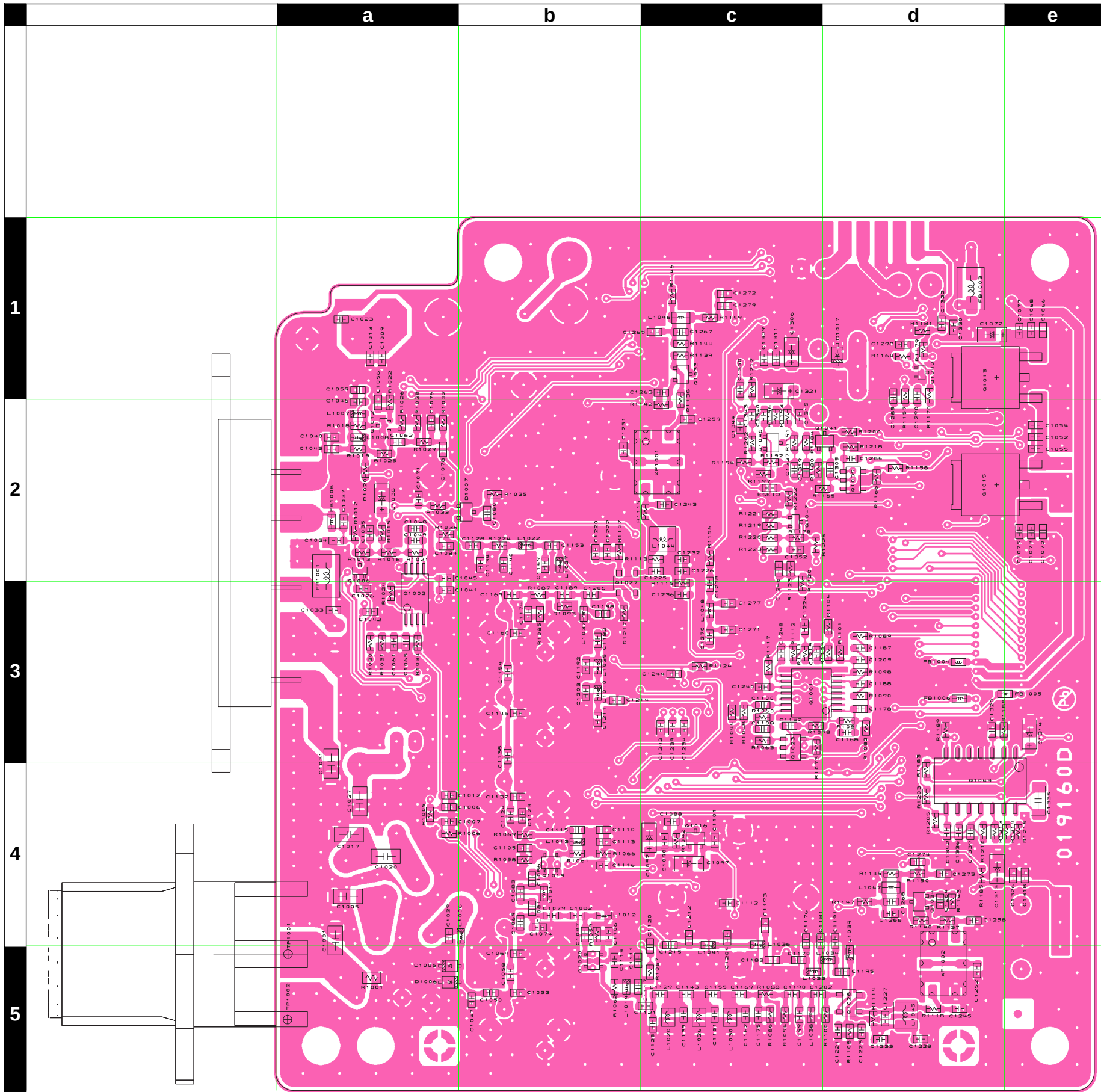
MAIN Unit (Lot. 2~)

Note

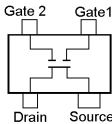


MAIN Unit (Lot. 2~)

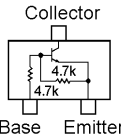
Parts Layout (Side B)



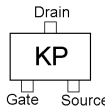
LM2902PWR
(Q1001,1002)



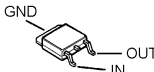
3SK131 (V12)
(Q1027,1028)



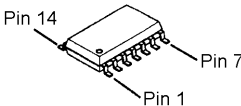
DTC143EE (23)
(Q1006)



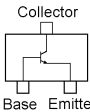
2SK2035 (KP)
(Q1040)



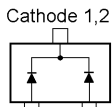
NJM78M05DL1A
(Q1013)
NJM7808DL1A
(Q1015)



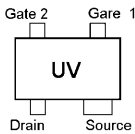
NJM2211M-TE1
(Q1043)



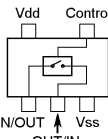
2SC5006 (24)
(Q1012)
2SC4081 (B)
(Q1016, 1041, 1046)
2SC4400 (RT4)
(Q1033,1034)
2SC4617 (BR)
(Q1047)



DAN235U(M)
(D1007)



3SK294 (UV)
(Q1019,1020)



TC4S66F (C9)
(Q1023,1039)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
P.C.B. with Components						CS2005701 CS2005702 CS2005703	DST:EU DST:USA DST:EXP			
Printed Circuit Board						FR019160C FR019160D		1 2-		
C 1001	CHIP CAP.	15pF	500V	CH	1206N150J501LT	K22278211		1-	B	a4
C 1002	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CZ01D	K22174205		1-	A	D4
C 1003	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1004	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1005	CHIP CAP.	27pF	500V	CH	1206N270J501LT	K22278214		1-	B	a4
C 1006	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b4
C 1007	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b4
C 1008	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	D4
C 1009	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a1
C 1010	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D3
C 1011	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	E4
C 1012	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b4
C 1013	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	a1
C 1015	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A2
C 1016	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A2
C 1017	CHIP CAP.	18pF	500V	CH	1206N180J501LT	K22278212		1-	B	a4
C 1018	AL.ELECTRO.CAP.	1000uF	25V		SL025M102G20PKKKS00R	K40149072		1-	A	E1
C 1020	CHIP CAP.	47pF	500V	CH	1206N470J501LT	K22278217		1-	B	a4
C 1021	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	A	D4
C 1022	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	A2
C 1023	CHIP CAP.	390pF	50V	CH	GRM1882C1H391JA01D	K22174255		1-	B	a1
C 1024	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D4
C 1027	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213		1-	B	a4
C 1028	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A2
C 1029	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	B	b4
C 1030	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	A	A2
C 1031	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213		1-	B	a4
C 1033	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a3
C 1034	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	a2
C 1035	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a2
C 1036	AL.ELECTRO.CAP.	10uF	25V		SS025M100C07PKKKS00R	K40149075		1-	A	E3
C 1037	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a2
C 1038	CHIP TA.CAP.	4.7uF	10V		F931A475MAA	K78100077		1-	B	a2
C 1039	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	A2
C 1041	CHIP CAP.	0.22uF	10V	B	GRM188B11A224KA01D	K22104801		1-	B	b3
C 1043	CHIP CAP.	7pF	50V	CH	GRM1882C1H7R0DZ01D	K22174208		1-	B	a2
C 1044	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A2
C 1045	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1046	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	a2
C 1047	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	B	b5
C 1048	CHIP CAP.	0.22uF	10V	B	GRM188B11A224KA01D	K22104801		1-	B	b2
C 1049	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b2
C 1050	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	b5
C 1051	AL.ELECTRO.CAP.	10uF	25V		SS025M100C07PKKKS00R	K40149075		1-	A	A2
C 1052	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e2
C 1054	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e2
C 1055	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	e2
C 1056	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a2
C 1057	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D2
C 1058	CHIP CAP.	0.75pF	50V	CK	GRM1884C1HR75CZ01D	K22174260		1-	B	b5
C 1059	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a1
C 1060	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	D2
C 1061	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a3
C 1062	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	B	a2
C 1063	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	D2
C 1064	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CZ01D	K22174205		1-	B	b5
C 1065	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b3
C 1066	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e1
C 1067	AL.ELECTRO.CAP.	47uF	25V		SL025M470D11PKKKS00R	K40149074		1-	A	A2
C 1068	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	e1
C 1069	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	b4
C 1070	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e2
C 1071	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1072	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e1
C 1073	CHIP CAP.	0.1uF	25V	F	GRM188F11E104ZA01D	K22145001		1-	B	e2
C 1075	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	e2
C 1077	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	e1
C 1078	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1079	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	b4
C 1080	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1081	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	b4
C 1082	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b4
C 1083	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b4
C 1084	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1085	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	B3
C 1086	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b4
C 1087	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1088	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	c4
C 1089	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D2
C 1090	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1091	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C1
C 1092	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c4
C 1093	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CZ01D	K22174206		1-	A	D4
C 1094	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C1
C 1095	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1096	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C5
C 1097	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c4
C 1098	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	A	D2
C 1099	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C1
C 1100	CHIP CAP.	0.0056uF	50V	B	GRM188B11H562KA01D	K22174818		1-	B	c3
C 1101	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1103	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C1
C 1105	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b4
C 1106	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1108	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	B	c3
C 1109	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1113	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1114	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c5
C 1115	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	b4
C 1116	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1117	CHIP CAP.	9pF	50V	CH	GRM1882C1H9R0DZ01D	K22174210		1-	B	c5
C 1118	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1119	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D2
C 1120	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c5
C 1121	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c5
C 1122	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	B4
C 1124	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CZ01D	K22174205		1-	B	b4
C 1126	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C5
C 1127	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1128	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1129	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0CZ01D	K22174203		1-	B	c5
C 1130	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D2
C 1131	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C4
C 1132	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CZ01D	K22174205		1-	B	b4
C 1133	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	C2
C 1135	CHIP CAP.	7pF	50V	CH	GRM1882C1H7R0DZ01D	K22174208		1-	B	c5
C 1136	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	D2
C 1137	CHIP CAP.	18pF	50V	CH	GRM1882C1H180JA01D	K22174217		1-	A	B4
C 1138	CHIP CAP.	0.5pF	50V	CK	GRM1884C1HR50CZ01D	K22174201		1-	B	b3
C 1140	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	B	b2
C 1141	CHIP CAP.	18pF	50V	CH	GRM1882C1H180JA01D	K22174217		1-	A	B4
C 1142	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	d3
C 1143	CHIP CAP.	0.5pF	50V	CK	GRM1884C1HR50CZ01D	K22174201		1-	B	c5
C 1145	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CZ01D	K22174206		1-	B	b3
C 1147	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CZ01D	K22174206		1-	A	C2
C 1148	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	A	C2
C 1149	CHIP CAP.	12pF	50V	CH	GRM1882C1H120JA01D	K22174213		1-	B	b2
C 1151	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	B	c5
C 1152	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C4
C 1153	CHIP CAP.	8pF	50V	CH	GRM1882C1H8R0DZ01D	K22174209		1-	B	b2
C 1154	CHIP CAP.	0.5pF	50V	CK	GRM1884C1HR50CZ01D	K22174201		1-	B	b3
C 1155	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0CZ01D	K22174203		1-	B	c5
C 1156	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C2
C 1157	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C4
C 1159	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	A	C4
C 1160	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	B	b3
C 1162	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	B	c5
C 1163	CHIP CAP.	9pF	50V	CH	GRM1882C1H9R0DZ01D	K22174210		1-	A	C2
C 1165	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	B	b3
C 1168	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	B	d3
C 1169	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	c5

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1170	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d5
C 1171	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D2
C 1176	CHIP CAP.	12pF	50V	CH	GRM1882C1H120JA01D	K22174213		1-	B	d4
C 1178	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	d3
C 1180	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A3
C 1181	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	B	d4
C 1182	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	B	c3
C 1183	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	B	d5
C 1184	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A3
C 1185	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CZ01D	K22174202		1-	A	D2
C 1187	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	d3
C 1188	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d3
C 1189	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	b3
C 1190	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	d5
C 1191	CHIP CAP.	12pF	50V	CH	GRM1882C1H120JA01D	K22174213		1-	B	d4
C 1192	CHIP CAP.	56pF	50V	CH	GRM1882C1H560JA01D	K22174229		1-	B	c3
C 1193	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	B	c4
C 1195	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	d5
C 1197	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C2
C 1198	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1199	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d5
C 1200	CHIP CAP.	0.22uF	10V	B	GRM188B11A224KA01D	K22104801		1-	A	C4
C 1202	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d5
C 1203	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	c3
C 1204	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	c4
C 1206	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1209	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	B	d3
C 1211	CHIP CAP.	12pF	50V	CH	GRM1882C1H120JA01D	K22174213		1-	B	c3
C 1212	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	c4
C 1214	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CZ01D	K22174204		1-	B	c3
C 1215	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CZ01D	K22174206		1-	B	c5
C 1216	CHIP TA.CAP.	2.2uF	6.3V		F930J225MAA	K78080093		1-	A	C4
C 1218	CHIP TA.CAP.	0.47uF	35V		F931V474MAA	K78160055		1-	A	C4
C 1219	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	d3
C 1220	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c2
C 1221	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d5
C 1222	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	c2
C 1223	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	d5
C 1224	CHIP CAP.	0.0068uF	50V	B	GRM188B11H682KA01D	K22174834		1-	B	d3
C 1225	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	c2
C 1226	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c2
C 1227	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	d5
C 1228	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d5
C 1229	CHIP TA.CAP.	4.7uF	10V		F931A475MAA	K78100077		1-	A	B3
C 1230	CHIP CAP.	220pF	50V	CH	GRM1882C1H221JA01D	K22174243		1-	A	C2
C 1231	CHIP TA.CAP.	1uF	16V		TEESVA21C105M8R	K78120024		1-	A	C3
C 1232	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	c2
C 1233	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d5
C 1235	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	A	B3
C 1236	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1237	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B5
C 1240	CHIP CAP.	330pF	50V	B	GRM188B11H331KD01D	K22174820		1-	B	c3
C 1241	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B3
C 1243	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0CZ01D	K22174203		1-	B	c2
C 1245	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0CZ01D	K22174203		1-	B	e5
C 1247	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	A	B3
C 1248	CHIP CAP.	0.0056uF	50V	B	GRM188B11H562KA01D	K22174818		1-	B	d3
C 1249	CHIP TA.CAP.	1.5uF	10V		TEESVA1A155M8R	K78100009		1-	A	C3
C 1250	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B3
C 1251	CHIP CAP.	9pF	50V	CH	GRM1882C1H9R0DZ01D	K22174210		1-	B	c2
C 1252	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	B	e5
C 1253	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1255	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	C3
C 1256	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	B3
C 1257	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	B3
C 1258	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0CZ01D	K22174203		1-	B	e4
C 1259	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0CZ01D	K22174203		1-	B	c2
C 1260	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	C4
C 1261	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	A	B3
C 1262	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	C3
C 1263	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	c1
C 1264	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d4
C 1265	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	c1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1266	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d4
C 1267	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	c1
C 1268	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	d4
C 1269	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	C3
C 1270	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	c3
C 1271	CHIP CAP.	82pF	50V	CH	GRM1882C1H820JA01D	K22174233		1-	B	c3
C 1274	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d4
C 1275	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	C3
C 1276	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CZ01D	K22174206		1-	A	C3
C 1277	CHIP CAP.	82pF	50V	CH	GRM1882C1H820JA01D	K22174233		1-	B	c3
C 1278	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	c3
C 1279	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	c1
C 1281	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	C2
C 1282	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C1
C 1284	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	d2
C 1286	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C1
C 1287	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C2
C 1288	CHIP CAP.	27pF	50V	CH	GRM1882C1H270JA01D	K22174221		1-	A	C3
C 1289	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DZ01D	K22174207		1-	A	C3
C 1290	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	d1
C 1291	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	C1
C 1292	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	B1
C 1293	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	A4
C 1294	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	A4
C 1295	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	B2
C 1296	CHIP CAP.	150pF	50V	CH	GRM1882C1H151JA01D	K22174239		1-	A	B1
C 1297	CHIP CAP.	150pF	50V	CH	GRM1882C1H151JA01D	K22174239		1-	A	B1
C 1298	CHIP CAP.	0.22uF	10V	B	GRM188B11A224KA01D	K22104801		1-	B	d1
C 1299	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	B4
C 1300	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	B1
C 1301	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1302	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1303	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	B4
C 1304	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	A4
C 1305	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	d2
C 1306	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d1
C 1308	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	B1
C 1309	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 1310	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1311	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	d1
C 1312	CHIP CAP.	0.0022uF	50V	B	GRM188B11H222KA01D	K22174822		1-	A	B2
C 1313	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e4
C 1314	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	e3
C 1315	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	d2
C 1316	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	A	B2
C 1317	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	A	B1
C 1318	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e4
C 1319	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d2
C 1320	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	e3
C 1321	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	d1
C 1322	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	d1
C 1323	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1324	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	A4
C 1325	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B1
C 1326	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	e4
C 1327	CHIP CAP.	0.0027uF	50V	B	GRM188B11H272KA01D	K22174814		1-	B	d2
C 1328	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	A4
C 1329	AL.ELECTRO.CAP.	100uF	25V		SK025M101E11PKKK500R	K40149073		1-	A	B1
C 1330	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e1
C 1331	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	B2
C 1332	CHIP CAP.	820pF	50V	B	GRM188B11H821KA01D	K22174808		1-	A	A4
C 1333	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	A4
C 1334	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1335	FILM CAP.	0.027uF	16V		ECHU1C273JX5	K57120041		1-	B	e4
C 1336	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	e4
C 1337	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	A	B2
C 1338	AL.ELECTRO.CAP.	470uF	16V		SL016M471F12PKKK500R	K40129102		1-	A	B1
C 1339	CHIP CAP.	0.0068uF	50V	B	GRM188B11H682KA01D	K22174834		1-	B	e4
C 1340	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	c2
C 1341	CHIP CAP.	0.0047uF	50V	B	GRM188B11H472KA01D	K22174833		1-	A	A4
C 1342	CHIP CAP.	0.0022uF	50V	B	GRM188B11H222KA01D	K22174822		1-	B	d4
C 1343	CHIP CAP.	0.056uF	16V	B	GRM188B11C563KA01D	K22124807		1-	B	c2
C 1344	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1345	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	A	A1
C 1346	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	A4
C 1347	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	B2
C 1348	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A1
C 1349	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	A	A1
C 1350	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	c1
C 1351	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A1
C 1352	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805	EXPORT	1-	B	d2
C 1352	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805	USA	1-	B	d2
C 1353	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801	EXPORT	1-	B	d2
C 1353	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801	USA	1-	B	d2
C 1354	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C3
CD1001	CERAMIC DISC				CDBC450KCAY24-R0	H7901340		1-	A	C2
CD1002	CERAMIC DISC				CDBC450KCAY24-R0	H7901340		1-	A	B5
CF1001	CERAMIC FILTER				LTM450EW	H3900574		1-	A	B2
CF1002	CERAMIC FILTER				LTM450EW	H3900574		1-	A	A5
D 1001	DIODE				1N5402	G2090800		1-	A	C1
D 1002	DIODE				1SS321(TE85R.F)	G2070076		1-	A	D4
D 1003	DIODE				L308CCB	G2090792		1-	A	D4
D 1004	DIODE				L308CCB	G2090792		1-	A	D5
D 1005	DIODE				HSU277TRF-E	G2070118		1-	B	b5
D 1006	DIODE				HSU277TRF-E	G2070118		1-	B	b5
D 1007	DIODE				DAN235U TL	G2070176		1-	B	b2
D 1008	DIODE				HSU277TRF-E	G2070118		1-	A	D2
D 1009	DIODE				HVC306B TRU-E	G2070918		1-	A	C4
D 1010	DIODE				HVC306B TRU-E	G2070918		1-	A	C4
D 1011	DIODE				HVU359 TRF-E	G2070452		1-	A	C2
D 1012	DIODE				1SV214(TPH2.F)	G2070356		1-	A	D2
D 1013	DIODE				HVU359 TRF-E	G2070452		1-	A	C2
D 1014	DIODE				UDZS TE-17 5.6B	G2070910		1-	A	B2
D 1015	DIODE				DAN217U T106	G2071236		1-	A	B2
D 1016	DIODE				DAN217U T106	G2071236		1-	A	B2
D 1018	SURGE ABSORBER				DSP-141N-S00B	Q9000586		1-	A	D5
FB1001	FERRITE BEADS				SMB304729	L9190094		1-	B	a2
FB1002	FERRITE BEADS				SMB304729	L9190094		1-	A	A1
FB1003	FERRITE BEADS				SMB304729	L9190094		1-	B	e1
FB1004	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	e3
FB1005	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	e3
FB1006	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	e3
FB1008	FERRITE BEADS				FBMH1608HM102-T	L9190158		1-	B	a2
J 1001	CONNECTOR				32FLT-SM2-TB(LF)(SN)(M)	P1091258		1-	A	A3
JP1002	CHIP RES.	0	1/16W	5%	RMCI/16 000JATP	J24185000		1-	A	A4
L 1001	COIL A1				4.5T3.5D0.8UEW R	L0021149A		1-	A	E5
L 1002	COIL A1				4.5T3.5D0.8UEW R	L0021149A		1-	A	D4
L 1003	M.RFC	4.7uH			LAL03NA4R7K	L1190203		1-	A	D3
L 1004	COIL A1				3.5T4.0D0.8UEW R	L0022245		1-	A	D4
L 1005	COIL A1				4.5T3.5D0.8UEW R	L0021149A		1-	A	E4
L 1006	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	b4
L 1007	M.RFC	0.18uH			HK1608 R18J-T	L1690939		1-	B	a2
L 1008	M.RFC	0.18uH			HK1608 R18J-T	L1690939		1-	B	a2
L 1009	COIL	0.1uH			#E528SNAS-100075	L0190269		1-	A	D5
L 1010	COIL	0.1uH			#E528SNAS-100075	L0190269		1-	A	D5
L 1011	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-	B	b4
L 1013	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	B	b4
L 1014	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	B	c5
L 1015	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	B4
L 1016	M.RFC	0.1uH			HK1608 R10J-T	L1690528		1-	A	D2
L 1017	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	A	B4
L 1019	COIL	0.15uH			#E528SNAS-100076	L0190270		1-	A	D4
L 1020	CHIP COIL	0.12uH			LQW2BHNR12J03L	L1690621		1-	B	c5
L 1021	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 1022	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	b2
L 1023	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C4
L 1024	COIL	0.15uH			#E528SNAS-100076	L0190270		1-	A	D3
L 1025	M.RFC	0.1uH		2%	C2012C-R10G-RA	L1690776		1-	A	C4
L 1025	M.RFC	0.1uH		1%	C2012C-R10F-RC	L1691581		8-	A	C4
L 1026	CHIP COIL	0.12uH			LQW2BHNR12J03L	L1690621		1-	B	c5
L 1027	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	b2
L 1028	COIL	0.15uH			#E528SNAS-100076	L0190270		1-	A	D3
L 1029	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	A	C4
L 1030	CHIP COIL	0.12uH			LQW2BHNR12J03L	L1690621		1-	B	c5
L 1031	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C4
L 1032	M.RFC	0.068uH		2%	C2012C-68NG-RA	L1690774		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
L 1032	M.RFC	0.068uH		1%	C2012C-68NF-RC	L1691580		8-	A	C2
L 1033	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	d5
L 1034	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	d5
L 1035	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	c3
L 1036	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	c4
L 1037	M.RFC	0.27uH			LK1608 R27K-T	L1690411		1-	B	b3
L 1038	M.RFC	0.18uH			LK1608 R18K-T	L1690392		1-	B	d5
L 1039	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	d5
L 1040	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	c3
L 1041	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	c5
L 1042	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 1043	M.RFC	2.2uH			LK1608 2R2K-T	L1690634		1-	A	C2
L 1044	CHIP COIL	1uH		10%	C2520C-1R0K-RK	L1690727		1-	B	c2
L 1045	CHIP COIL	1.5uH		10%	C2520C-1R5K-RK	L1690729		1-	B	d5
L 1046	M.RFC	1uH			LK2125 1R0K-T	L1690319		1-	B	c1
L 1047	M.RFC	1.5uH			LK2125 1R5K-T	L1690321		1-	B	d4
L 1048	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	B	c3
Q 1001	IC				LM2902PWR	G1094009		1-	B	d3
Q 1002	IC				LM2904PWR	G1094010		1-	B	b3
Q 1003	TRANSISTOR				DTA144EE TL	G3070074		1-	A	D3
Q 1004	TRANSISTOR				DTC143EE TL	G3070114		1-	A	A2
Q 1005	TRANSISTOR				DTB123EK T146	G3070022		1-	A	A2
Q 1006	TRANSISTOR				DTC143EE TL	G3070114		1-	B	a2
Q 1007	TRANSISTOR				DTC143EE TL	G3070114		1-	A	A2
Q 1008	TRANSISTOR				DTB123EK T146	G3070022		1-	A	A2
Q 1009	TRANSISTOR				DTC143EE TL	G3070114		1-	A	E3
Q 1010	IC				S-AV37A(VX.Q)	G1094559		1-	A	E3
Q 1011	TRANSISTOR				DTC143EE TL	G3070114		1-	A	E3
Q 1012	TRANSISTOR				2SC5006-T1	G3350068		1-	B	a2
Q 1013	IC				NJM78M05DL1A-TE1	G1093660		1-	B	e1
Q 1014	TRANSISTOR				DTC143EE TL	G3070114		1-	A	E3
Q 1015	IC				NJM7808DL1A-TE1	G1093802		1-	B	e2
Q 1016	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	c4
Q 1017	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	C1
Q 1018	TRANSISTOR				2SC5006-T1	G3350068		1-	A	D2
Q 1019	FET				3SK294(TE85L)	G4802948		1-	B	b4
Q 1020	FET				3SK294(TE85L)	G4802948		1-	B	c5
Q 1021	TRANSISTOR				2SC5006-T1	G3350068		1-	A	B4
Q 1022	TRANSISTOR				2SC5006-T1	G3350068		1-	A	C2
Q 1023	IC				TC4S66F(TE85R.F)	G1090893		1-	B	d3
Q 1024	FET				2SK520-T2B K43	G3805207C		1-	A	B4
Q 1025	FET				2SK210-GR(TE85R.F)	G3802107G		1-	A	C2
Q 1026	TRANSISTOR				DTC124EU T106	G3070045		1-	A	D2
Q 1027	FET				3SK131-T2B V12	G4801317B		1-	B	c3
Q 1028	FET				3SK131-T2B V12	G4801317B		1-	B	d5
Q 1029	TRANSISTOR				DTC143EE TL	G3070114		1-	A	B3
Q 1030	TRANSISTOR				DTC143EE TL	G3070114		1-	A	C3
Q 1031	IC				TB31202FNG(TAPE)	G1094103		1-	A	C3
Q 1032	TRANSISTOR				DTA144EE TL	G3070074		1-	A	C3
Q 1033	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	c1
Q 1034	TRANSISTOR				2SC4400-3-TL	G3344008C		1-	B	d4
Q 1035	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	C3
Q 1036	IC				NJM2591V-TE1	G1094024		1-	A	B1
Q 1037	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	C3
Q 1038	IC				NJM2591V-TE1	G1094024		1-	A	A4
Q 1039	IC				TC4S66F(TE85R.F)	G1090893		1-	B	d2
Q 1040	FET				2SK2035 TE85R	G3820357		1-	B	d1
Q 1041	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	d2
Q 1042	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	B2
Q 1043	IC				NJM2211M-TE1	G1092943		1-	B	e4
Q 1044	IC				LA4425A-E	G1092241		1-	A	B1
Q 1045	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	A	A4
Q 1046	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	d2
Q 1047	TRANSISTOR				2SC4617 TL R	G3346178R	EXPORT USA	1-	B	d2
Q 1047	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d2
R 1001	CHIP RES.	56k	1/10W	5%	RMC1/10T 563J	J24205563		1-	B	a5
R 1002	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	A	D4
R 1003	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	D4
R 1004	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A2
R 1005	CHIP RES.	68k	1/16W	5%	RMC1/16 683JATP	J24185683		1-	B	b4
R 1006	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	b4
R 1007	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	D4
R 1008	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	A	E4

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1009	CHIP RES.	100	1W	5%	RMC1 101JTE	J24305101		1-	A	D3
R 1010	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	D3
R 1011	CHIP RES.	56k	1/16W	5%	RMC1/16 563JATP	J24185563		1-	A	D3
R 1012	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	a2
R 1013	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	a2
R 1014	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	A	D3
R 1015	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		1-	B	a2
R 1016	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	a2
R 1017	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A2
R 1018	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	a2
R 1020	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	a2
R 1021	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	B	b2
R 1022	CHIP RES.	120	1/16W	5%	RMC1/16 121JATP	J24185121		1-	B	a2
R 1023	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	A	E3
R 1024	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	a3
R 1025	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	a2
R 1026	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	a2
R 1027	CHIP RES.	47	1/16W	5%	RMC1/16 470JATP	J24185470		1-	A	D2
R 1029	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	B	b2
R 1030	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	a3
R 1031	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	a3
R 1033	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	b2
R 1034	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	b3
R 1035	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	b2
R 1036	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	b2
R 1037	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	A	B3
R 1038	CHIP RES.	47	1/16W	5%	RMC1/16 470JATP	J24185470		1-	A	D2
R 1039	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	B3
R 1040	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	D4
R 1041	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	C4
R 1042	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	c4
R 1043	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	A	C1
R 1044	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	c3
R 1045	CHIP RES.	33k	1/16W	5%	RMC1/16 333JATP	J24185333		1-	A	C4
R 1046	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		1-	A	D2
R 1047	CHIP RES.	33k	1/16W	5%	RMC1/16 333JATP	J24185333		1-	A	C5
R 1048	CHIP RES.	5.6k	1/16W	5%	RMC1/16 562JATP	J24185562		1-	B	c3
R 1049	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	A	D2
R 1050	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	A	D2
R 1051	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	A	D4
R 1052	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	A	C5
R 1053	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	A	B3
R 1054	CHIP RES.	18	1/16W	5%	RMC1/16 180JATP	J24185180		1-	A	D2
R 1055	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	C4
R 1056	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	C5
R 1057	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	A	D2
R 1058	CHIP RES.	150	1/16W	5%	RMC1/16 151JATP	J24185151		1-	B	b4
R 1059	CHIP RES.	150	1/16W	5%	RMC1/16 151JATP	J24185151		1-	B	c4
R 1060	CHIP RES.	180k	1/16W	5%	RMC1/16 184JATP	J24185184		1-	B	c3
R 1061	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	b4
R 1062	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	c5
R 1063	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	c3
R 1064	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	A	B4
R 1065	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	A	B4
R 1066	CHIP RES.	47	1/16W	5%	RMC1/16 470JATP	J24185470		1-	B	c4
R 1067	CHIP RES.	47	1/16W	5%	RMC1/16 470JATP	J24185470		1-	B	c5
R 1068	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	B4
R 1069	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b4
R 1070	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	A	C4
R 1071	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	D2
R 1072	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	A	D2
R 1073	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	d3
R 1074	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	A	B4
R 1075	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	D2
R 1076	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	A	C2
R 1077	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	A	B3
R 1078	CHIP RES.	220k	1/16W	5%	RMC1/16 224JATP	J24185224		1-	B	d3
R 1079	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	C2
R 1081	CHIP RES.	220k	1/16W	5%	RMC1/16 224JATP	J24185224		1-	B	d3
R 1082	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	d3
R 1083	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	A	D2
R 1084	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	A	D2
R 1085	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		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 1086	CHIP RES.	390	1/16W	5%	RMC1/16 391JATP	J24185391		1-	B	d5
R 1087	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	B	b3
R 1088	CHIP RES.	10	1/16W	5%	RMC1/16 100JATP	J24185100		1-	B	c5
R 1089	CHIP RES.	180k	1/16W	5%	RMC1/16 184JATP	J24185184		1-	B	d3
R 1090	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	d3
R 1091	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	A	D2
R 1092	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C4
R 1093	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		1-	B	b3
R 1094	CHIP RES.	390	1/16W	5%	RMC1/16 391JATP	J24185391		1-	B	d5
R 1095	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	A	B3
R 1096	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	A	C4
R 1097	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	D2
R 1098	CHIP RES.	330k	1/16W	5%	RMC1/16 334JATP	J24185334		1-	B	d3
R 1099	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	A	C4
R 1100	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	d5
R 1102	CHIP RES.	1.8k	1/16W	5%	RMC1/16 182JATP	J24185182		1-	A	C4
R 1103	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d3
R 1104	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d3
R 1105	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C4
R 1106	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C2
R 1107	CHIP RES.	82	1/16W	5%	RMC1/16 820JATP	J24185820		1-	B	c2
R 1108	CHIP RES.	82	1/16W	5%	RMC1/16 820JATP	J24185820		1-	B	d5
R 1109	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	C1
R 1110	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	A	C3
R 1111	CHIP RES.	8.2k	1/16W	5%	RMC1/16 822JATP	J24185822		1-	B	d3
R 1112	CHIP RES.	39k	1/16W	5%	RMC1/16 393JATP	J24185393		1-	B	d3
R 1113	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	c2
R 1114	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	d5
R 1115	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	c3
R 1116	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	B5
R 1117	CHIP RES.	39k	1/16W	5%	RMC1/16 393JATP	J24185393		1-	B	d3
R 1118	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d5
R 1119	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	c2
R 1120	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d3
R 1121	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	A	B3
R 1122	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	B3
R 1123	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d2
R 1124	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	c3
R 1125	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C3
R 1126	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C3
R 1127	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C3
R 1128	CHIP RES.	18k	1/16W	5%	RMC1/16 183JATP	J24185183		1-	A	B3
R 1129	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	A	C3
R 1130	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C3
R 1131	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	A	C3
R 1132	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	A	B3
R 1133	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	B3
R 1134	CHIP RES.	47	1/16W	5%	RMC1/16 470JATP	J24185470		1-	A	C3
R 1135	CHIP RES.	68k	1/16W	5%	RMC1/16 683JATP	J24185683		1-	A	B3
R 1136	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	C4
R 1137	CHIP RES.	2.7k	1/16W	5%	RMC1/16 272JATP	J24185272		1-	B	d4
R 1138	CHIP RES.	1.5k	1/16W	5%	RMC1/16 152JATP	J24185152		1-	B	c2
R 1139	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	B	c1
R 1140	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	B	d4
R 1141	CHIP RES.	47	1/16W	5%	RMC1/16 470JATP	J24185470		1-	A	C3
R 1142	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		1-	B	c2
R 1143	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		1-	B	e4
R 1144	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	c1
R 1145	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	d4
R 1146	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	c1
R 1147	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	d4
R 1148	CHIP RES.	150	1/16W	5%	RMC1/16 151JATP	J24185151		1-	A	C3
R 1149	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c1
R 1150	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	d4
R 1151	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C3
R 1152	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	C3
R 1153	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	C3
R 1154	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	C3
R 1155	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	A	C2
R 1156	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 1157	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	d1
R 1158	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	d2
R 1159	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	A	B1

MAIN Unit

Parts List

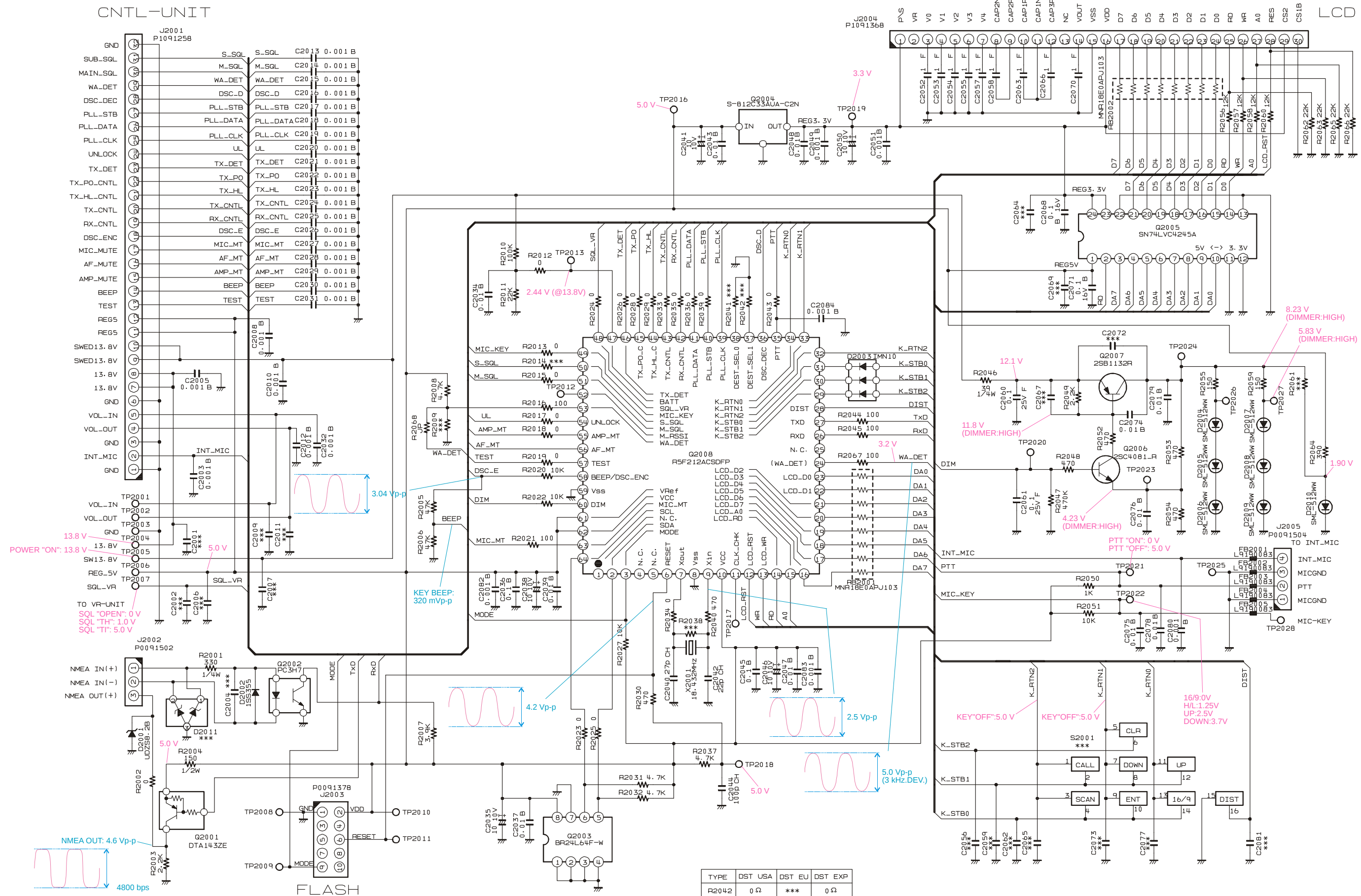
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R 1160	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	A	B2
R 1161	CHIP RES.	5.6k	1/16W	5%	RMC1/16 562JATP	J24185562		1-	A	C1
R 1162	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	C2
R 1163	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	C2
R 1164	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	d1
R 1165	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	d2
R 1166	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	d2
R 1167	CHIP RES.	270k	1/16W	5%	RMC1/16 274JATP	J24185274		1-	A	B1
R 1168	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	A	B2
R 1170	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	d1
R 1171	CHIP RES.	1.8k	1/16W	5%	RMC1/16 182JATP	J24185182		1-	A	B2
R 1172	CHIP RES.	1.8k	1/16W	5%	RMC1/16 182JATP	J24185182		1-	A	B2
R 1173	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B4
R 1174	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	A	B1
R 1175	CHIP RES.	6.8k	1/16W	5%	RMC1/16 682JATP	J24185682		1-	A	B4
R 1176	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	B2
R 1177	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	A4
R 1179	CHIP RES.	8.2k	1/16W	5%	RMC1/16 822JATP	J24185822		1-	B	d1
R 1180	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	d2
R 1181	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154		1-	B	d1
R 1182	CHIP RES.	560k	1/16W	5%	RMC1/16 564JATP	J24185564		1-	A	B2
R 1183	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	d4
R 1184	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	d2
R 1185	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220		1-	B	e4
R 1186	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	B2
R 1187	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	A	B2
R 1188	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	B	e3
R 1189	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	d3
R 1190	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	A	A4
R 1191	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	d2
R 1193	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d2
R 1194	CHIP RES.	820	1/16W	5%	RMC1/16 821JATP	J24185821		1-	B	c2
R 1195	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	B2
R 1196	CHIP RES.	120k	1/16W	5%	RMC1/16 124JATP	J24185124		1-	B	d2
R 1197	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	c2
R 1198	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	A4
R 1199	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	A	B2
R 1200	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d2
R 1201	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	A4
R 1202	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	c2
R 1203	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	B	d4
R 1204	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	A	B2
R 1205	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	d4
R 1206	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	A4
R 1207	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	A	A4
R 1208	CHIP RES.	33k	1/16W	5%	RMC1/16 333JATP	J24185333		1-	A	A4
R 1209	CHIP RES.	56k	1/16W	5%	RMC1/16 563JATP	J24185563		1-	A	A4
R 1210	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	e4
R 1212	CHIP RES.	8.2k	1/16W	5%	RMC1/16 822JATP	J24185822		1-	B	c2
R 1213	CHIP RES.	10k	1/16W	1%	RMC1/16 103FTP	J24183103		1-	B	e4
R 1214	CHIP RES.	10k	1/16W	1%	RMC1/16 103FTP	J24183103		1-	B	e4
R 1215	CHIP RES.	1k	1/16W	1%	RMC1/16 102FTP	J24183102		1-	B	e4
R 1217	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	c3
R 1218	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	d2
R 1219	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000	EXPORT	1-	B	d2
R 1219	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000	USA	1-	B	d2
R 1220	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104	EXPORT	1-	B	d2
R 1220	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104	USA	1-	B	d2
R 1221	CHIP RES.	8.2k	1/16W	5%	RMC1/16 822JATP	J24185822	EXPORT	1-	B	d2
R 1221	CHIP RES.	8.2k	1/16W	5%	RMC1/16 822JATP	J24185822	USA	1-	B	d2
R 1222	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103	EXPORT	1-	B	d2
R 1222	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103	USA	1-	B	d2
R 1223	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101	EXPORT	1-	B	d2
R 1223	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101	USA	1-	B	d2
R 1224	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b2
R 1225	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000	EXPORT	1-		
R 1225	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000	USA	1-		
TC1001	TRIMMER CAP.	20pF			ECR-KN020E61X	K91000213		1-	A	B3
TC1001	TRIMMER CAP.	20pF			TZC3P200A110R00	K91000283		6-	A	B3
TH1002	THERMISTOR				TBPS1R103K440H5Q	G9090067		1-	A	B2
TH1002	THERMISTOR				NCP18XV103J03RB	G9090179		6-	A	B2
TP1005	CHECK TERMINAL				RCT00000C	Q5000103		1-	A	C3
VR1001	POT.	50k			EVN-5ESX50B54	J51811503		1-	A	D3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
VR1002	POT.	10k			EVN-5ESX50B14	J51811103		1-	A	D3
VR1003	POT.	100k			EVN-5ESX50B15	J51811104		1-	A	B3
X 1001	XTAL TOP-B	21.85MHz			21.85000MHZ	H0103270		1-	A	A4
X 1002	XTAL DSX531S	29.95MHz			DSX531S 29.950MHZ	H0103316		1-	A	C2
XF1001	XTAL FILTER	MHz			30S13B1	H1102450		1-	B	c2
XF1002	XTAL FILTER				21S13B	H1102353		1-	B	d5
	SHIELD CASE VCO				(VCO2)	RA0418500		1-		
	SHIELD					RA0570400		1-		
	LEAF SPRING					RA1096200		1-		

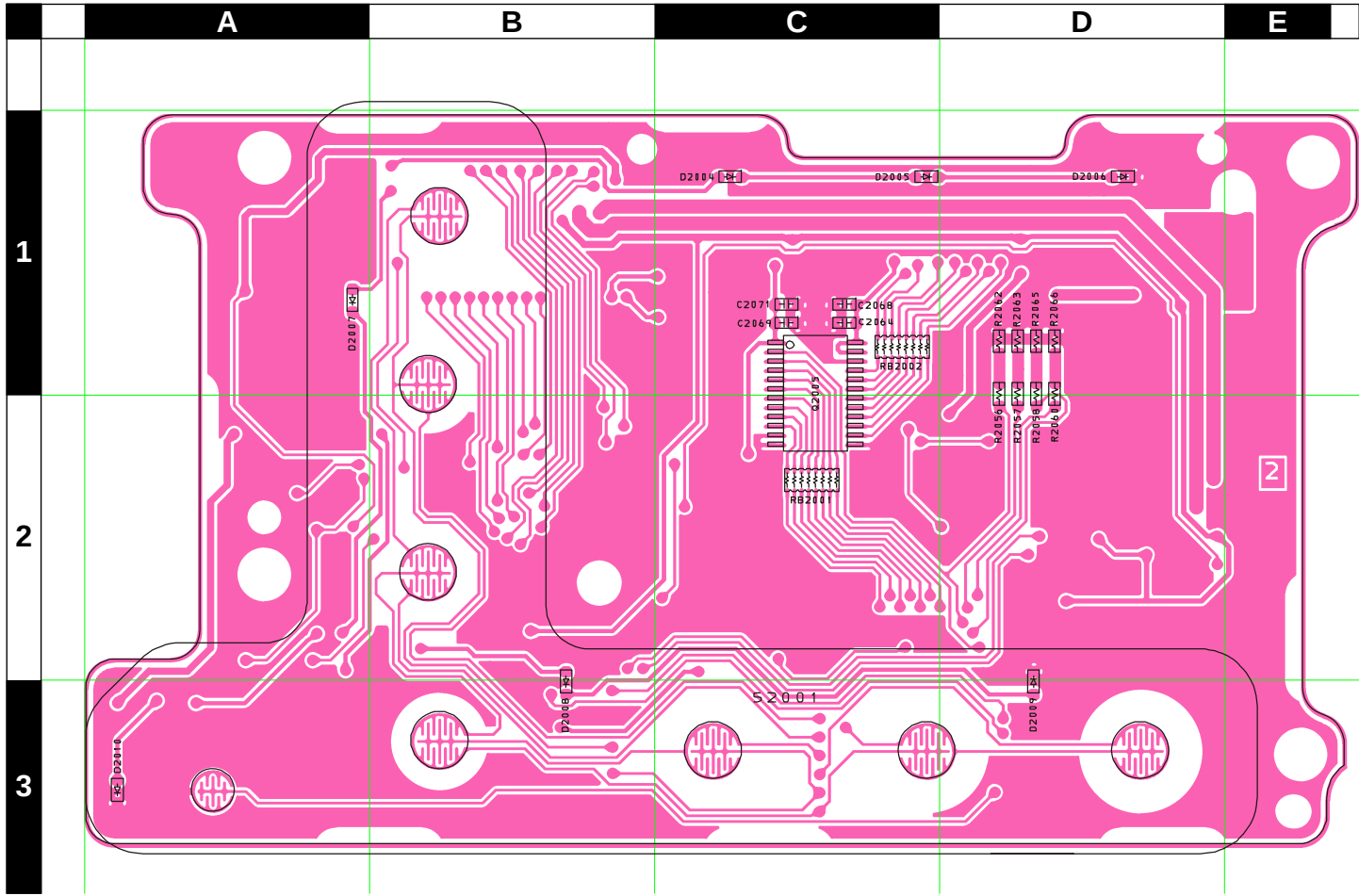
Circuit Diagram



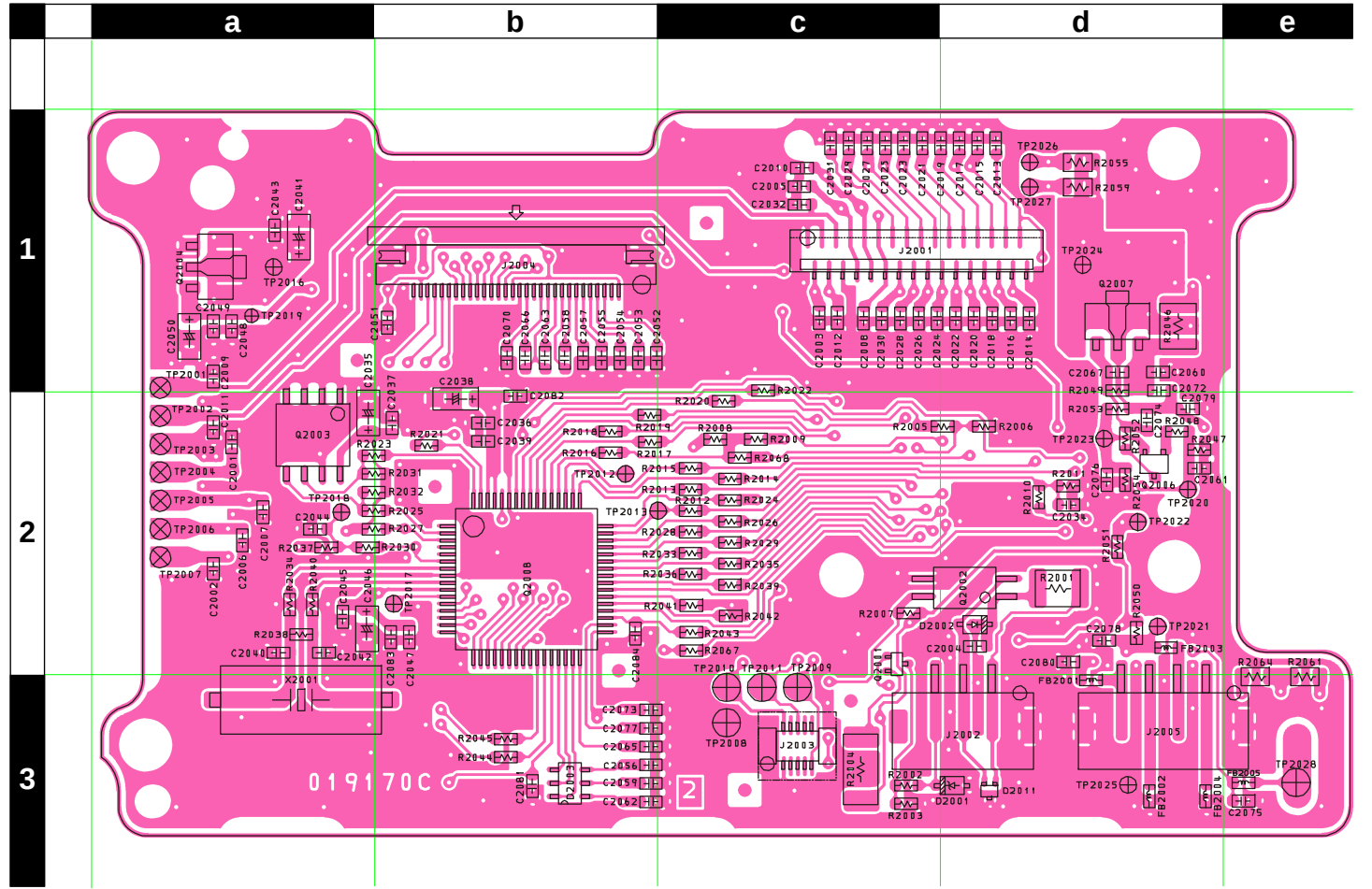
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CNTL Unit (Lot. 1~5)

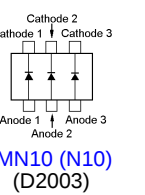
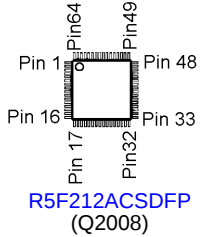
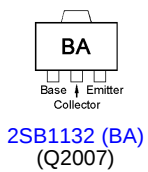
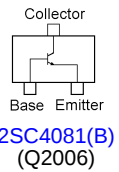
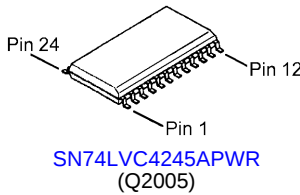
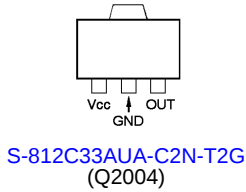
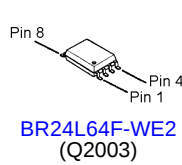
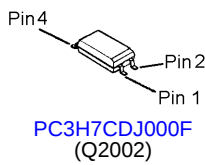
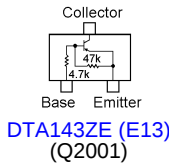
Parts Layout



(Side A)

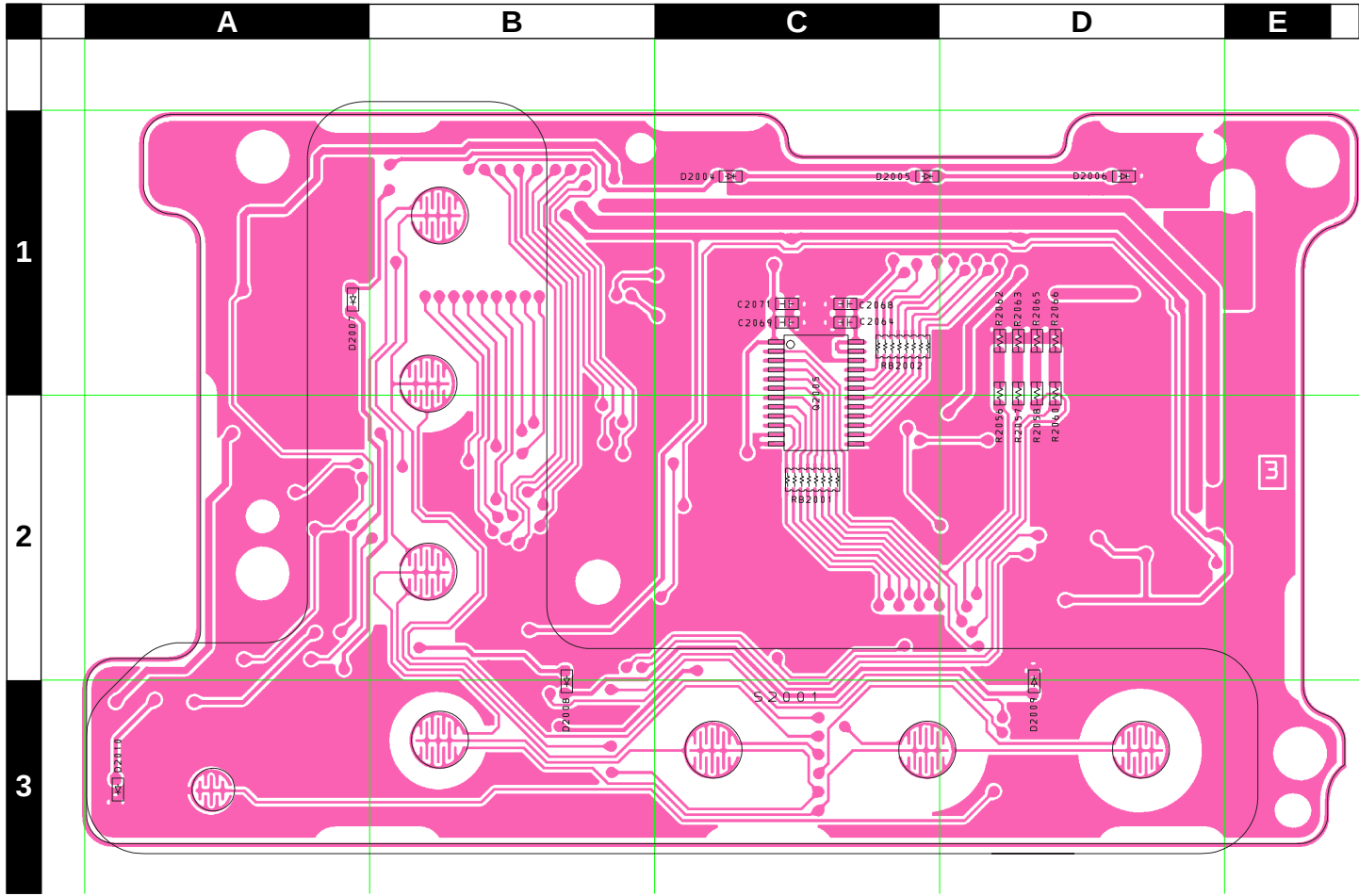


(Side B)

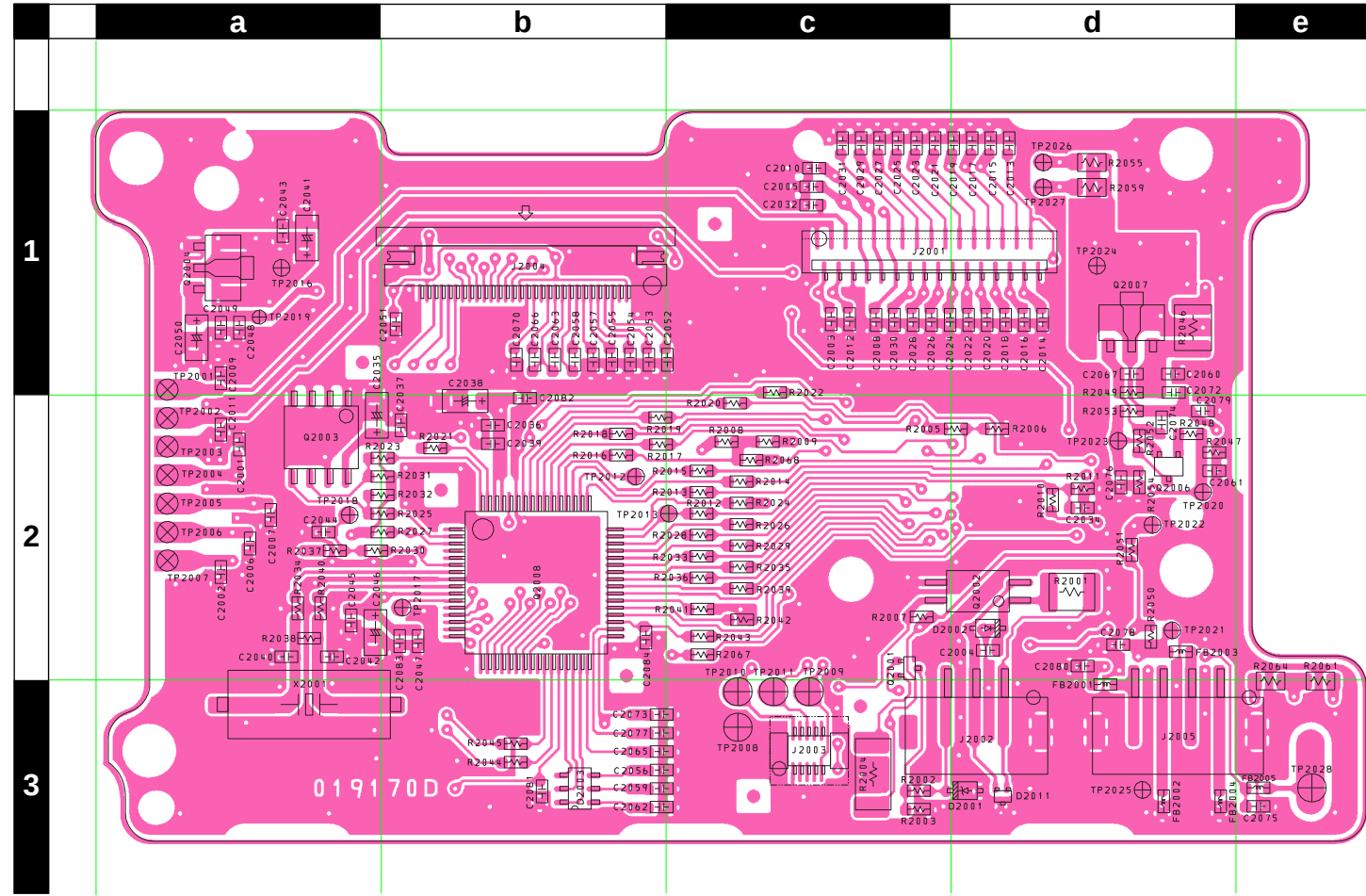


CNTL Unit (Lot. 6~)

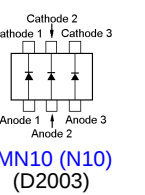
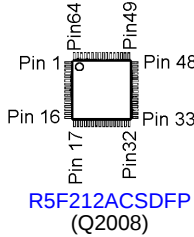
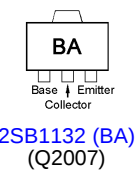
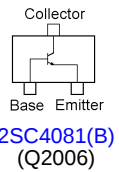
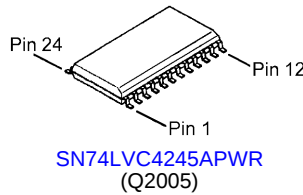
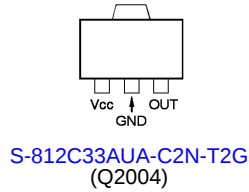
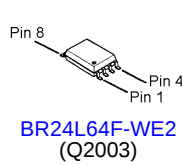
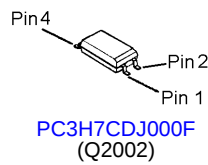
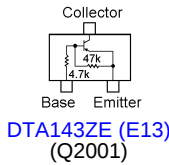
Parts Layout



(Side A)



(Side B)



REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
P.C.B. with Components						CS2006401 CS2006402 CS2006403	DST:EU DST:USA DST:EXP			
Printed Circuit Board						FR019170C FR019170D		1- 6-		
C 2003	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2005	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2008	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2010	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2012	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2013	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2014	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2015	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2016	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2017	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2018	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2019	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2020	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2021	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2022	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2023	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2024	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d1
C 2025	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2026	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2027	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2028	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2029	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2030	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2031	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2032	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c1
C 2034	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d2
C 2035	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a2
C 2036	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b2
C 2037	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b2
C 2038	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	b2
C 2039	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b2
C 2040	CHIP CAP.	27pF	50V	CH	GRM1882C1H270JA01D	K22174221		1-	B	a2
C 2040	CHIP CAP.	18pF	50V	CH	GRM1882C1H180JA01D	K22174217		10-	B	a2
C 2041	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a1
C 2042	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	a2
C 2042	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		10-	B	a2
C 2043	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	a1
C 2044	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	B	a2
C 2045	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	a2
C 2046	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a2
C 2047	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b2
C 2048	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	a1
C 2049	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a1
C 2050	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a1
C 2051	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b1
C 2052	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	c1
C 2053	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2054	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2055	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2057	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2058	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2060	CHIP CAP.	0.1uF	25V	F	GRM188F11E104ZA01D	K22145001		1-	B	d1
C 2061	CHIP CAP.	0.1uF	25V	F	GRM188F11E104ZA01D	K22145001		1-	B	d2
C 2063	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2066	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2068	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C1
C 2070	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	b1
C 2071	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C1
C 2074	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d2
C 2075	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	e3
C 2076	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d2
C 2078	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d2
C 2079	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d2
C 2080	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d2
C 2082	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 2083	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 2084	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
D 2001	DIODE				UDZS TE-17 8.2B	G2070890		1-	B	d3

CNTL Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
D 2002	DIODE				1SS355(TAPE)	G2071200		1-	B	d2
D 2003	DIODE				IMN10 T108	G2070078		1-	B	b3
D 2004	LED				SML-512WWT86	G2071104		1-	A	C1
D 2005	LED				SML-512WWT86	G2071104		1-	A	C1
D 2006	LED				SML-512WWT86	G2071104		1-	A	D1
D 2007	LED				SML-512WWT86	G2071104		1-	A	A1
D 2008	LED				SML-512WWT86	G2071104		1-	A	B2
D 2009	LED				SML-512WWT86	G2071104		1-	A	D2
D 2010	LED				SML-512WWT86	G2071104		1-	A	A3
DS2001	LCD				G1326418G(R)-FS6N2-VA	G6090190		1-		
FB2001	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	d3
FB2002	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	d3
FB2003	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	d2
FB2004	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	d3
FB2005	FERRITE BEADS				BK1608HS601-T	L9190083		1-	B	e3
J 2001	CONNECTOR				32FLT-SM2-TB(LF)(SN)(M)	P1091258		1-	B	c1
J 2002	CONNECTOR				A2001WV-S-03PD01	P0091502		1-	B	d3
J 2003	CONNECTOR				AXK6F10345YP	P0091378		1-	B	c3
J 2004	CONNECTOR				F0501WR-S-30PDT1	P1091368		1-	B	b1
J 2005	CONNECTOR				A2001WV-S-04PD01	P0091504		1-	B	d3
Q 2001	TRANSISTOR				DTA143ZE TL	G3070390		1-	B	c2
Q 2002	PHOTO COUPLER				PC3H7CDJ000F	G0090039		1-	B	d2
Q 2003	IC				BR24L64F-WE2	G1093876		1-	B	a2
Q 2004	IC				S-812C33AUA-C2N-T2G	G1094056		1-	B	a1
Q 2005	IC				SN74LVC4245APWR	G1094430		1-	A	C1
Q 2006	TRANSISTOR				2SC4081 T106 R	G3340818R		1-	B	d2
Q 2007	TRANSISTOR				2SB1132 T100 R	G3211327R		1-	B	d1
Q 2008	IC				R5F212ACSDFF			1-	B	b2
R 2001	CHIP RES.	330	1/4W	5%	RMC1/4 331JATP	J24245331		1-	B	d2
R 2002	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c3
R 2003	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	c3
R 2004	CHIP RES.	150	1/2W	5%	RK73B2HTE150-OHMJ	J24279019		1-	B	c3
R 2005	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	d2
R 2006	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	d2
R 2007	CHIP RES.	3.9k	1/16W	5%	RMC1/16 392JATP	J24185392		1-	B	c2
R 2008	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	c2
R 2010	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	d2
R 2011	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	d2
R 2012	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2013	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2015	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2016	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	b2
R 2017	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b2
R 2018	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b2
R 2019	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b2
R 2020	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	c2
R 2021	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	b2
R 2022	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	c1
R 2023	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b2
R 2024	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2025	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b2
R 2026	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2027	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	b2
R 2028	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2029	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2030	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	a2
R 2031	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	b2
R 2032	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	b2
R 2033	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2034	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	a2
R 2035	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2036	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2037	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	a2
R 2039	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2040	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	a2
R 2042	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000	EXPORT USA	1-	B	c2
R 2042	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2043	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c2
R 2044	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	b3
R 2045	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	b3
R 2046	CHIP RES.	39	1/4W	5%	RMC1/4 390JATP	J24245390		1-	B	d1
R 2047	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474		1-	B	d2
R 2048	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	d2

CNTL Unit

Parts List

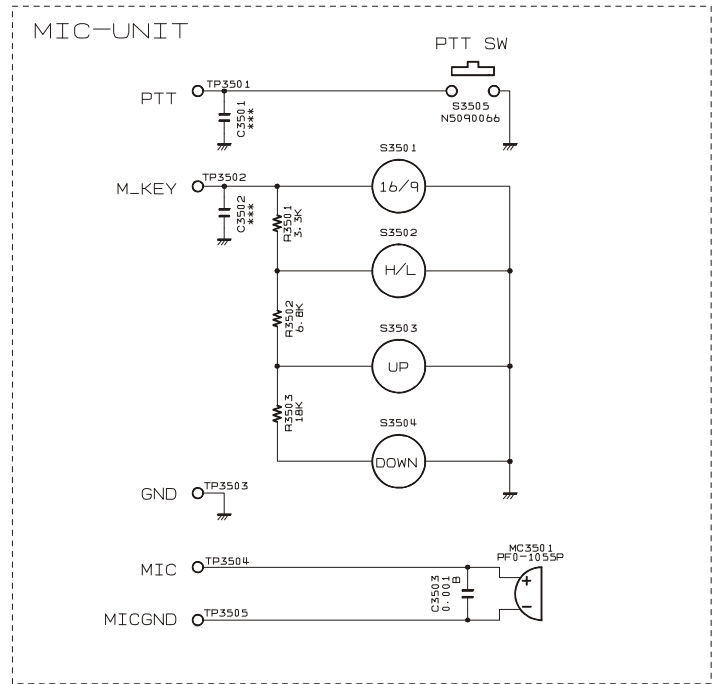
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 2049	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	d1
R 2050	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	d2
R 2051	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	d2
R 2052	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	d2
R 2053	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	d2
R 2054	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	d2
R 2055	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151		1-	B	d1
R 2056	CHIP RES.	12k	1/16W	5%	RMC1/16 123JATP	J24185123		1-	A	D1
R 2057	CHIP RES.	12k	1/16W	5%	RMC1/16 123JATP	J24185123		1-	A	D1
R 2058	CHIP RES.	12k	1/16W	5%	RMC1/16 123JATP	J24185123		1-	A	D1
R 2059	CHIP RES.	150	1/10W	5%	RMC1/10T 151J	J24205151		1-	B	d1
R 2060	CHIP RES.	12k	1/16W	5%	RMC1/16 123JATP	J24185123		1-	A	D1
R 2062	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	D1
R 2063	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	D1
R 2064	CHIP RES.	390	1/10W	5%	RMC1/10T 391J	J24205391		1-	B	e2
R 2065	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	D1
R 2066	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	A	D1
R 2067	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		1-	B	c2
R 2068	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-		
RB2001	BLOCK RES.				MNR18E0APJ103	J42900033		1-	A	C2
RB2002	BLOCK RES.				MNR18E0APJ103	J42900033		1-	A	C1
X 2001	XTAL HC-49/SS-SMD	18.432MHz			18.432MHZ	H0103369		1-	B	a3
X 2001	XTAL SMD-49	18.432MHz			18.432MHZ	H0103396		10-	B	a3
	LIGHT GUIDE				(LCD)	RA1051400		1-		
	LIGHT GUIDE				(LCD)	RA105140A		12-		
	REFLECTOR SHEET				(L)	RA1051800		1-		
	REFLECTOR SHEET				(S)	RA1053300		1-		

CNTL Unit

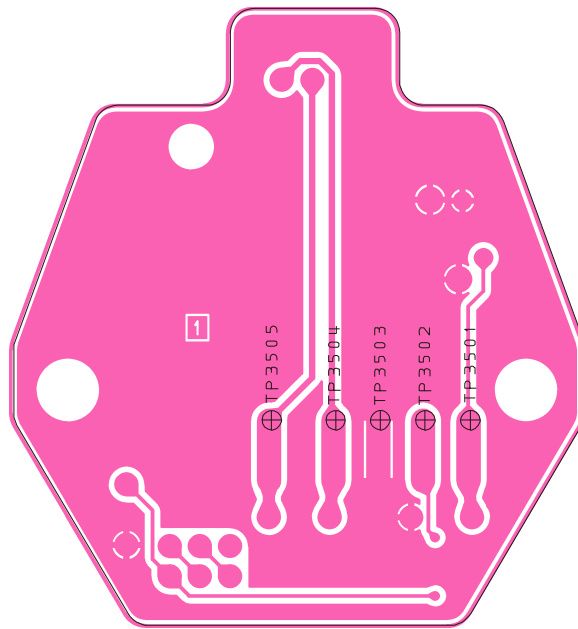
Note

MIC Unit (Lot. 1~8)

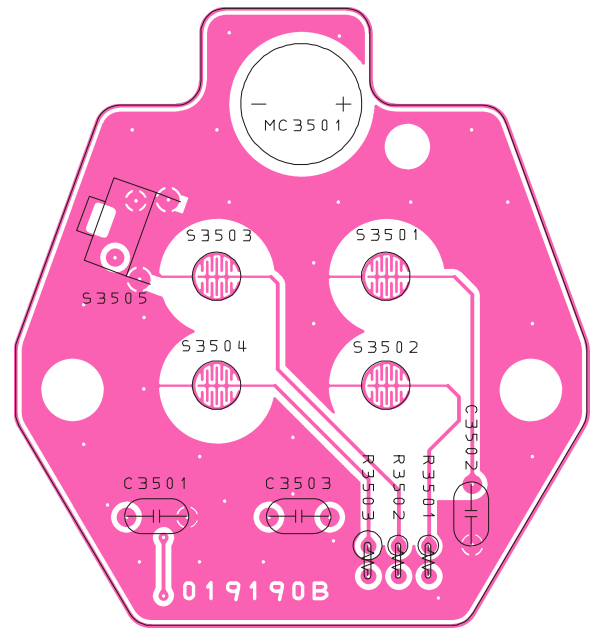
Circuit Diagram



Parts Layout



(Side A)



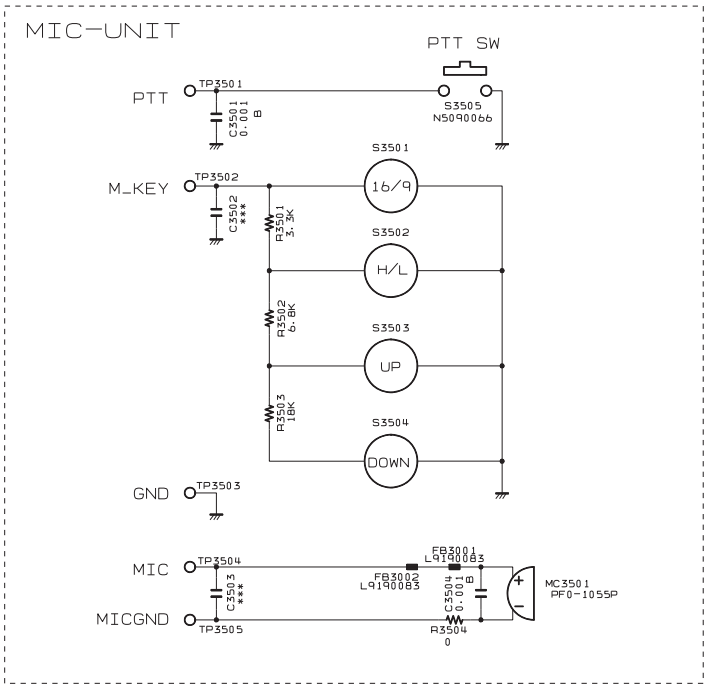
(Side B)

Parts List

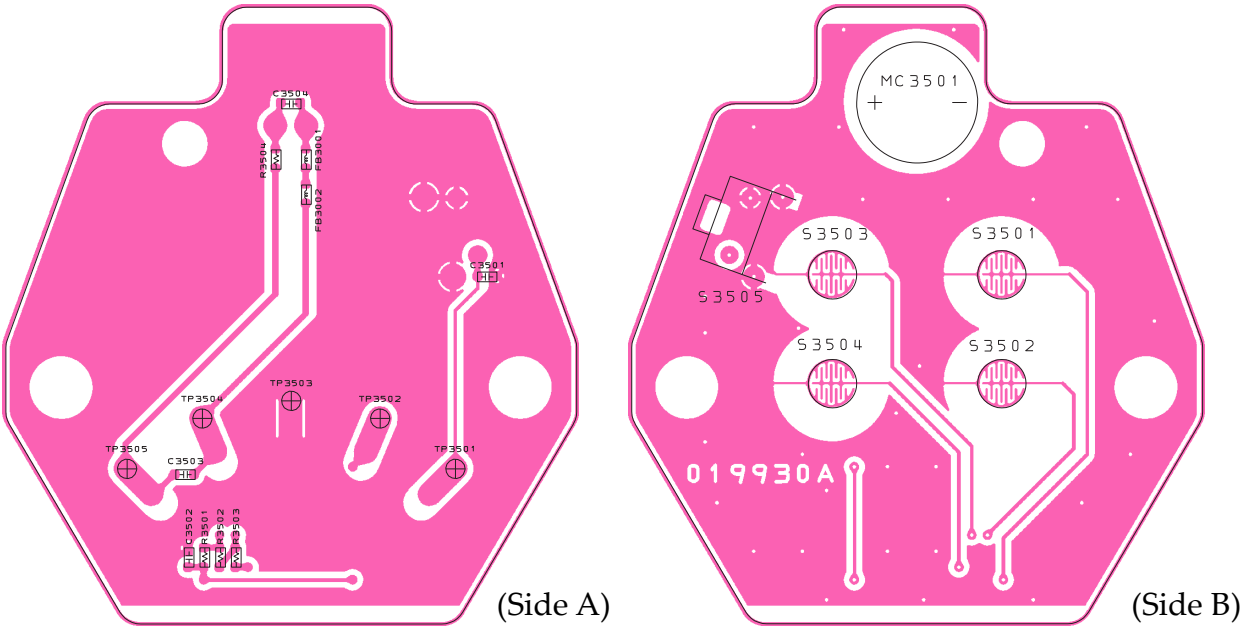
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
Printed Circuit Board						FR019190B		1-		
C 3503	CERAMIC CAP.	0.001uF	50V	B	UP025B102K-A-BZ	K28179118		1-	B	
MC3501	MIC. ELEMENT				PF0-1055P	M3290045		1-	B	
R 3501	CARBON FILM RES.	3.3k	1/6W	5%	RD16PJ332 3.3K	J01225332		1-	B	
R 3502	CARBON FILM RES.	6.8k	1/6W	5%	RD16PJ682 6.8K	J01225682		1-	B	
R 3503	CARBON FILM RES.	18k	1/6W	5%	RD16TPJ183 18K	J07225183		1-	B	
S 3505	TACT SWITCH				SKHLLD	N5090066		1-	B	

MIC Unit (Lot. 9~)

Circuit Diagram



Parts Layout

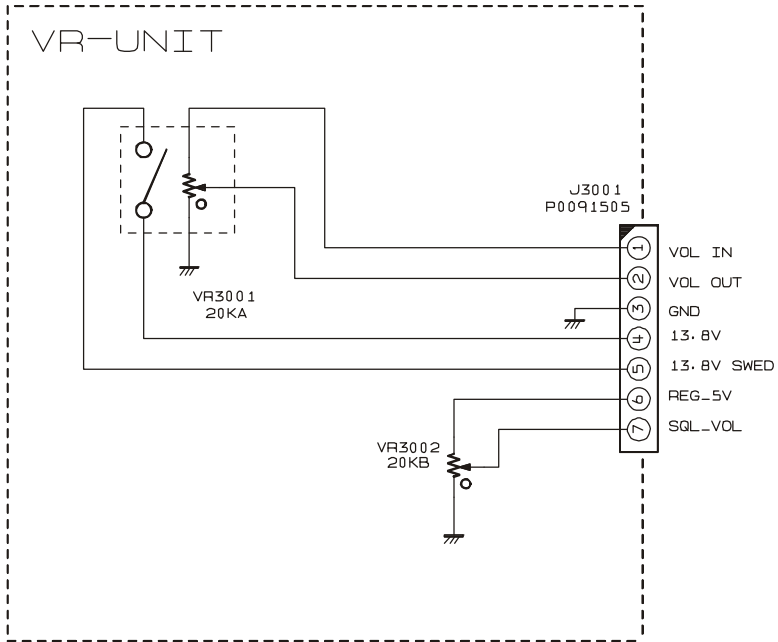


Parts List

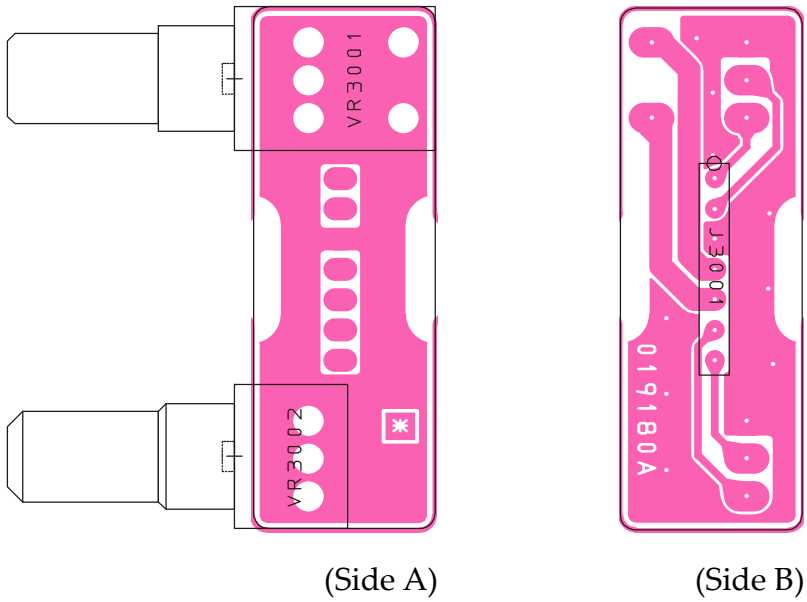
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
Printed Circuit Board						FR019930A		9-		
C 3501	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		9-		
C 3504	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		9-		
FB3001	FERRITE BEADS				BK1608HS601-T	L9190083		9-		
FB3002	FERRITE BEADS				BK1608HS601-T	L9190083		9-		
MC3501	MIC. ELEMENT				PF0-1055P	M3290045		9-		
R 3501	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		9-		
R 3502	CHIP RES.	6.8k	1/16W	5%	RMC1/16 682JATP	J24185682		9-		
R 3503	CHIP RES.	18k	1/16W	5%	RMC1/16 183JATP	J24185183		9-		
R 3504	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		9-		
S 3505	TACT SWITCH				SKHLLD	N5090066		1-		

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						FR019180A		1-		
J 3001	CONNECTOR				21B12050-07S10B01G3.5/3.5	P0091505		1-		
VR3001	POT.				WH9011AK-1-34D15/5H=5A20K	J60800294		1-		
VR3002	POT.				WH9011A-1-40D15/5H=5B20K	J60800295		1-		



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