LBI31131B



#### MAINTENANCE MANUAL

# 800 MHz, 30-WATT TRANSMITTER/RECEIVER FRAME ASSEMBLY 19D900742G2, G3

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#### DESCRIPTION

The Transmitter/Receiver Frame Assembly contains the transmitter/receiver board, fixed tuned power amplifier section and power control circuit. Component parts for the exciter are located on the synthesizer/interconnect board and the transmitter/receiver board. The frequency synthesizer and frequency injection chain including a frequency tripler are located on the synthesizer/interconnect board. The transmitter/receiver board in mounted on the bottom side of the "H" frame chassis.

The exciter provides approximately 250 milliwatts of modulated RF power to the PA section which provides 30 watts power output. Figure 1 is a block diagram of the Century II radio showing both the transmitter and receiver.

### TRANSMITTER

#### EXCITER

The synthesized frequency output and the injection output from the interconnect/frequency synthesizer board are applied to the balanced mixer through J101 and J102. The mixer output signal is the sum of these two input signals and will fall within the range of 408-410.5 MHz. The output of the balanced mixer is coupled through three tuned circuits (L101, L102, L103) to the base of amplifier Q101. Metering test point TP101 is used in tuning L101, L102 and L103. The typical DC reading is 5.6 volts.

## CIRCUIT ANALYSIS

Following amplifier Q101 is fre- of Q201 is transformed to 50 ohms by quency doubler Q102. The output of Q102 L204, C210, C211, L205, and C212. L206

(816-821 MHz) is filtered by L107, L108 and L109, and are tuned to the operating frequency. The filter output is applied to the base of amplifier Q103.

The collector output of Q103 is applied to a power splitter consisting of L111 and C116, and L112 and C121. The portion of the RF signal coupled through L111 and C116 is applied to the base of amplifier Q104. The output of Q104 is coupled to the receiver and used as the 1st oscillator injection frequency. The signal coupled through L112 and C121 is applied to the base of exciter amplifier Q105. The collector tank of Q105 is tuned by C125 and C127.

Following Q105 is amplifier Q106. The output of Q106 is tuned by C133 and C134.

Variable capacitors C125, C127, C133 and C134 are tuned for a maximum DC voltage reading at TP103. The typical DC reading at TP103 is 1.2 volts. Part of the RF signal at W102 is rectified by "sniffer" diode D101 to provide the voltage reading at TP103.

W102 is a 50 ohm stripline on the printed circuit board that connects to A201. Stripline W1 on A201 connects the exciter output to the driver amplifier.

#### POWER AMPLIFIER

The power amplifier consists of driver amplifier module U201, P.A. transistor Q201 and matching circuits. The driver amplifier amplifies the 250 milliwatt exciter output to provide drive for Q201. L201, C207, C208, C209, and L203 match the 50 ohm output impedance of U201 to the input impedance of Q201. L202 provides an isolated DC return for the emitter. L203 and L204 are the inductance of the leads of Q201. The output of Q201 is transformed to 50 ohms by L204. C210. C211. L205. and C212. L206



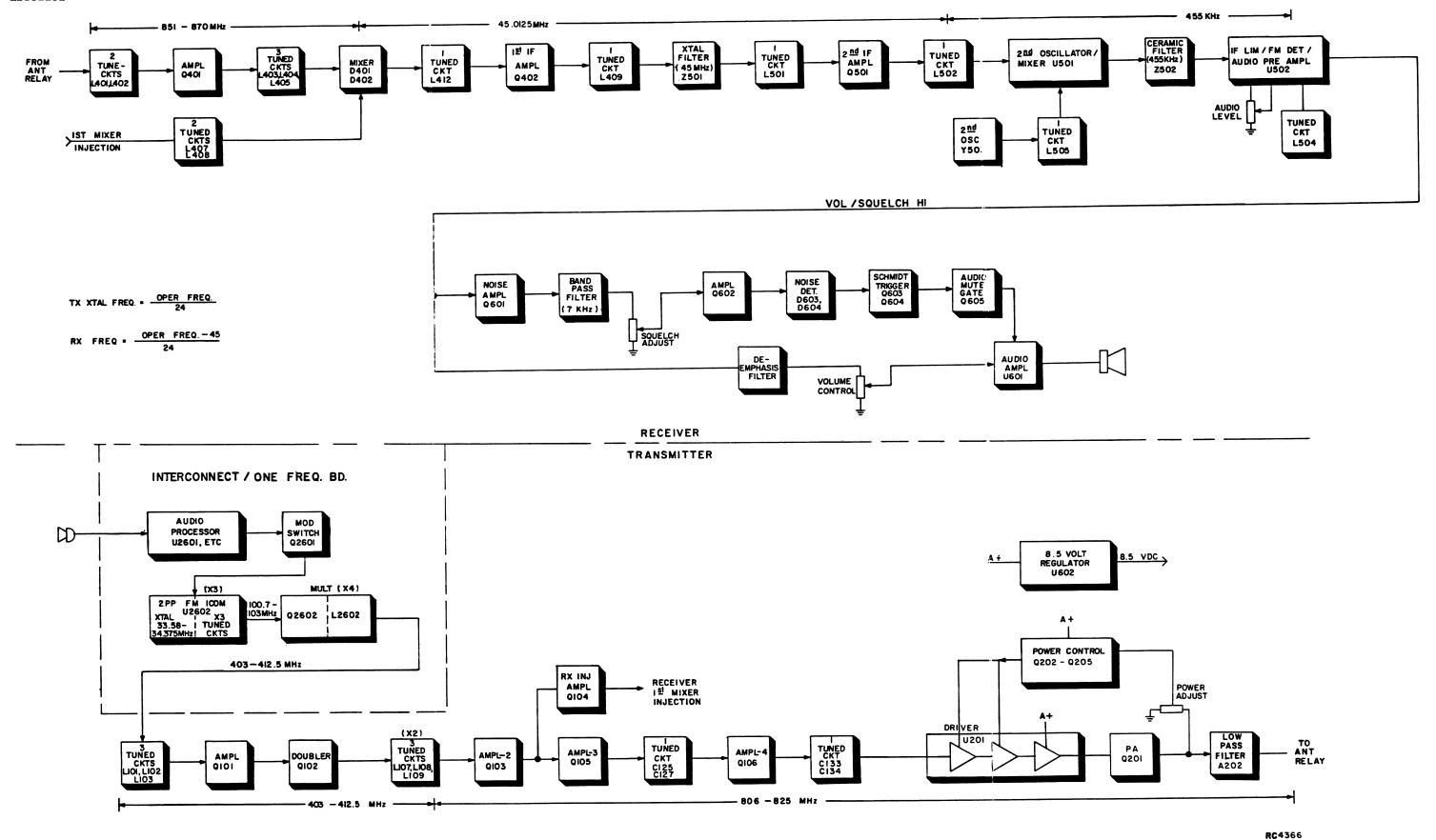


Figure 1 - Transmitter/Receiver Block Diagram

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DESCRIPTION LBI31131

provides an isolated DC feed path to the collector and C213 blocks D.C. from the output circuit. Stripline W207 connects the output to low pass filter A202. The filter output is applied to antenna relay K601.

#### RF POWER CONTROL CIRCUITS

Power adjustments is accomplished by controlling the DC collector voltage to the first and second stages of U201 by pass transistor Q205. Q205 is controlled by a feedback loop consisting of W206, D201, Q202, Q203, and Q204. The power is set by R203.

Any change in output power is sensed by the power control circuit. For example; if the output power increases, more RF is rectified by D201, increasing the base voltage of Q202. This causes Q202 to conduct more, reducing its collector voltage (and base voltage to Q203).

Reducing the base voltage applied to Q203 causes it to conduct less, raising the base voltage of PNP transistor Q204. With Q204 conducting less, there is less base voltage applied to pass transistor Q205 resulting in less collector voltage being applied to the first and second stages in U201. This reduces the output power of the PA module in proportion to the increase in output power detected by the base of Q202.

To protect Q201 against badly mismatched loads, a reverse (reflected) power detector consisting of W205, D203 and control R212 detects reverse power. When sufficient powers is reflected to create enough voltage at R212, D204 conducts and reduces voltage from the pass transistor Q205 which reduces the drive to Q201, protecting it.

\_\_\_ CAUTION \_\_\_\_

R212 is preset at the factory and normally does not require adjustment.

#### RECEIVER

Century II 800 MHz receivers are dual conversion, superheterodyne FM receivers designed for operation in the 861-865 MHz frequency range. A regulated 8.5 volts is used for all receiver stages except for the audio PA IC, which operates from the A+ supply.

The receiver uses intermediate frequencies of 45.0125 MHz and 455 kHz.

jacent channel selectivity is obtained by using two bandpass filters: a 45.0125 MHz crystal filter and a 455 kHz ceramic filter.

All receiver circuitry is mounted on the transmitter/receiver (Tx/Rx) board. The receiver consists of:

- Receiver Front End and 1st Mixer
- 45.0125 MHz 1st IF circuitry
- 2nd Oscillator
- 455 kHz 2nd IF circuitry with FM Detector
- Audio PA Circuit
- Squelch Circuit

#### RECEIVER FRONT END

RF from the antenna is coupled through two helical resonators (L401 and L402) to the base of RF amplifier Q401. Q401 is a class A, common emitter amplifier that provides a gain of approximately 8 to 10 dB. The amplified output is coupled through three additional helicals to the 1st mixer. The five helicals provide the front end selectivity.

#### 1ST MIXER

The 1st mixer is a dual balanced diode mixer that converts a signal in the 861-865 MHz range to the 45.0125 MHz 1st IF frequency.

RF from the front end helicals is coupled through C404 to mixer diodes D401 and D402. The low side injection input from the exciter is coupled through two helicals (L407 and L408) to the mixer diodes. The injection input port is isolated from the RF input and IF output by a balancing transformer consisting of L413 tapped to ground.

The 1st mixer output is coupled through a tuned circuit (L412 and C405) that matches the mixer output to gate 1 of 1st IF amplifier Q402.

TP401 is used in tuning the discrete IF stages and the injection filter, L408 and L409.

#### 1ST IF AMPLIFIER AND FILTER

IF Amplifier Q402 is a dual gate FET that provides good intermodulation and desensitization characteristics. The amplifier also acts as a buffer between

the variable balanced mixer output impedance and the crystal filter.

The IF output signal at the drain of Q402 is coupled through a tuned circuit (L409 and C408) that sets the impedance to crystal filter Z501.

Z501 is a 45.0125 MHz, four-pole crystal filter that provides a minimum of 30 dB adjacent channel rejection. The filter output is applied through a tuned circuit (L501, C501 and C526) that matches the output impedance of Z501 to the second IF amplifier.

#### 2ND IF AMPL

2nd IF Amplifier Q501 is a dual-gate FET. The filter output is applied to Gate 1 of the amplifier, and the output is taken from the drain. The biasing on Gate 2 and the drain load determines the gain of the stage. The amplifier provides approximately 20 dB of IF gain. The output of Q501 is coupled through L502 which matches the amplifier output to the input of IC U501.

#### 2ND OSC/MIXER AND IF AMPL

The 2nd oscillator, mixer and 3rd IF amplifier consists of U501 and associated circuitry. The oscillator operates at 45.4675 MHz. The oscillator crystal is Y501. The 45.0125 MHz input frequency is mixed with the oscillator frequency to provide the 2nd IF frequency of 455 kHz. Diodes D501 and D502 limit the mixer output. L503 is tuned for the 2nd IF output of 455 kHz.

#### FILTER, LIMITER AND DETECTOR

The output of U501 is coupled through ceramic filter Z502 which provides the 455 kHz selectivity, and applied to U502. Test Point TP501 is used in aligning the receiver, and can be used to check the output of U501. The typical DC reading at TP501 is 2.7 volts.

U502 and associated circuitry consists of a 455 kHz limiter, a

quadrature-type FM detector and an audio pre-amplifier. L504 is the quadrature detector coil. Audio Level Potentiometer R521 is used to set the audio output level to the audio amplifier.

#### AUDIO CIRCUITS

Audio from the audio pre-amplifier U502 is applied to the voice/tone reject filter in the logic board through J903-3 and J2502-3 on the synthesizer/interconnect board. The voice/tone reject filter removes the busy tone and applies the received audio to the alert tone switch. The alert tone switch under control of the microprocessor selects either alert tones or voice frequencies to apply to the audio mute switch. The audio mute switch, under control of the microprocessor completes the audio path to the de-emphasis network.

On GE-MARC V CORONA, CENTURA TC and CENTURA trunked mobile radios, the audio passes through the de-emphasis network (R901 on the interconnect board, R629, C607 and C608) to volume control R630.

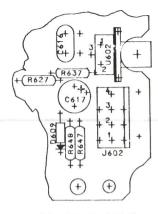
On GE-MARC V Classic radios the audio from the audio/mute select switch is applied to the electronic audio attenuator. The electronic audio attentuator under control of the microprocessor controls the audio level applied to the audio amplifier and replaces the volume control potentiometer found in the GE-MARC V CORONA, CENTURA TC, and CENTURA radios. Audio from the electronic attenuator is applied to the audio amplifier through the de-emphasis network.

The audio amplifier IC (U601) drives the speaker (or handset) at the desired audio level. The feedback loop containing R633, R634, and C610 determines the amplifiers closed loop gain. R631 and C612 provide the high audio frequency roll-off above 6 kHz.

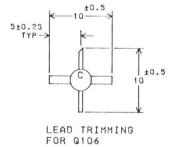
Rx Mute Gate (Q605), under control of the Rx MUTE signal, controls the audio amplifier. When Rx MUTE is high, Q605 is turned off. This turns on U601, allowing audio to be heard over the speaker.

GENERAL ELECTRIC COMPANY+ MOBILE COMMUNICATIONS DIVISION WORLD HEADQUARTERS+LYNCHBURG, VIRGINIA 24502 U.S.A.





GROUP 3 ONLY DETAIL B



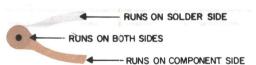
LEAD IDENTIFICATION FOR 0101-Q105 & Q401

LEAS IDENTIFICATION FOR Q631,Q602,Q603,Q604 & Q605 Q202,Q203,Q204



IN-LINE TOP VIEW

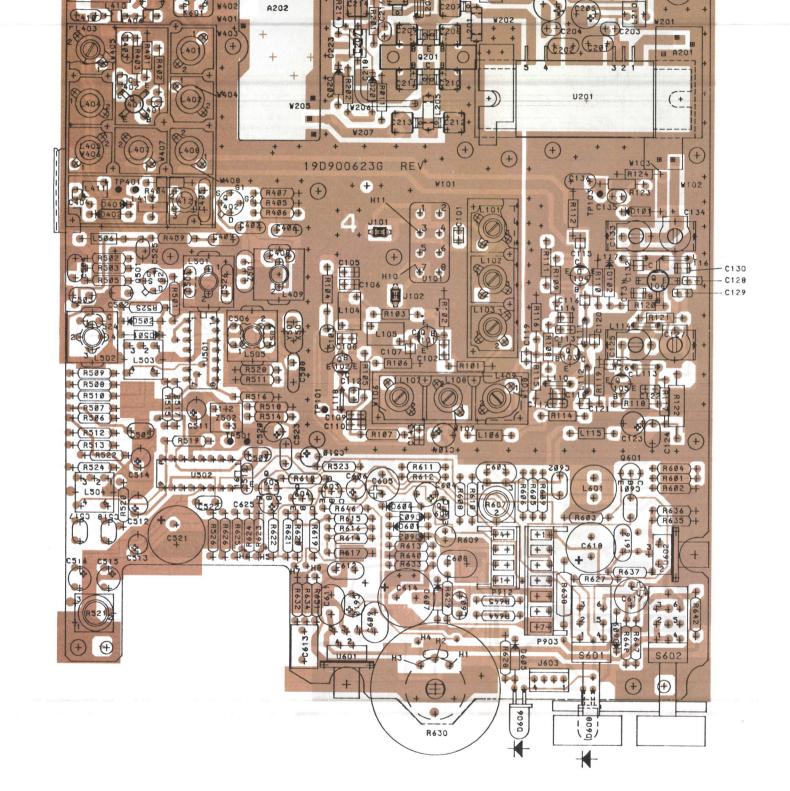
NOTE:
CASE SHAPE IS DETERMINING
FACTOR FOR LEAD IDENTIFICATION.



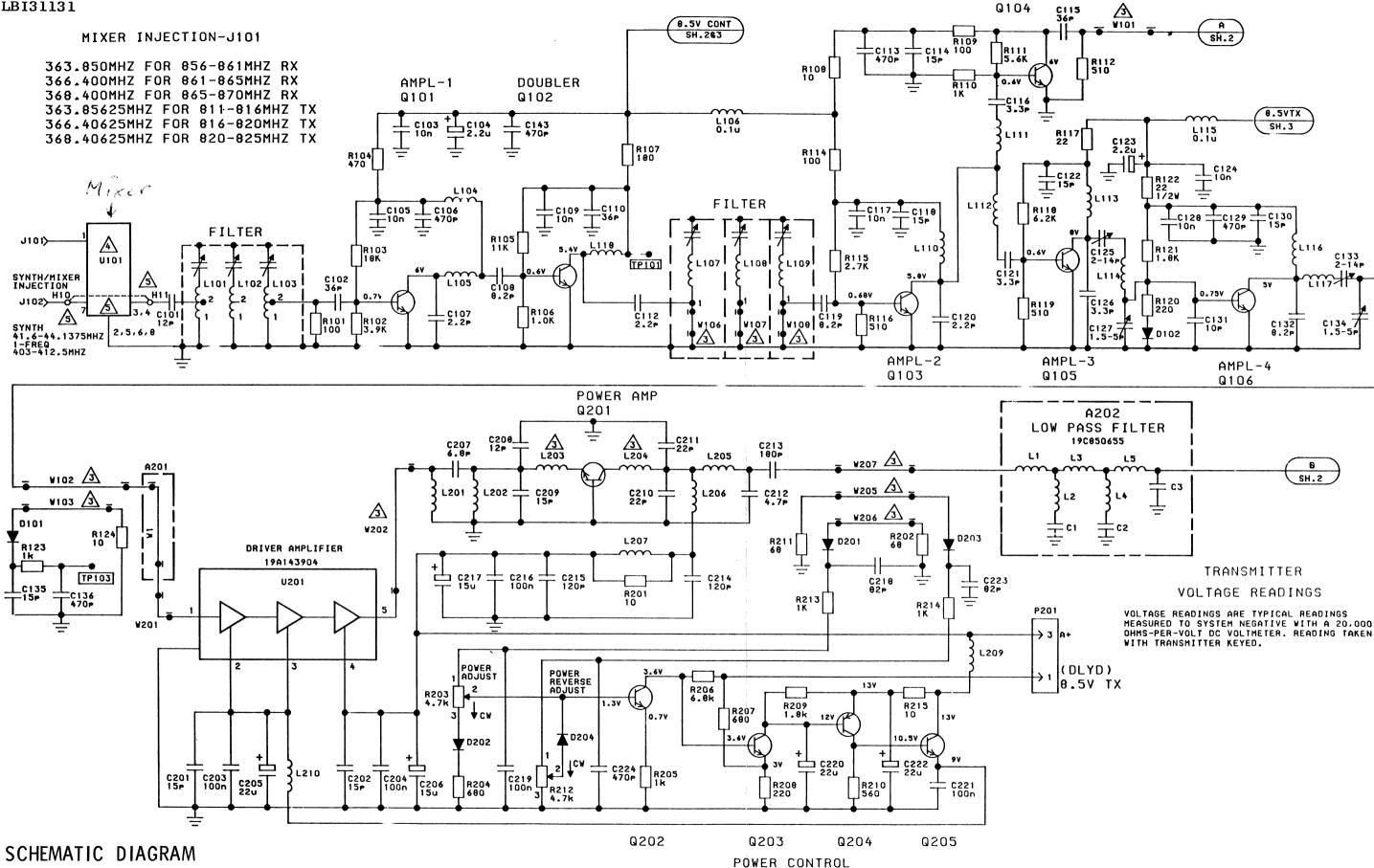
OUTLINE DIAGRAM

TRANSMITTER/RECEIVER BOARD

Issue 3





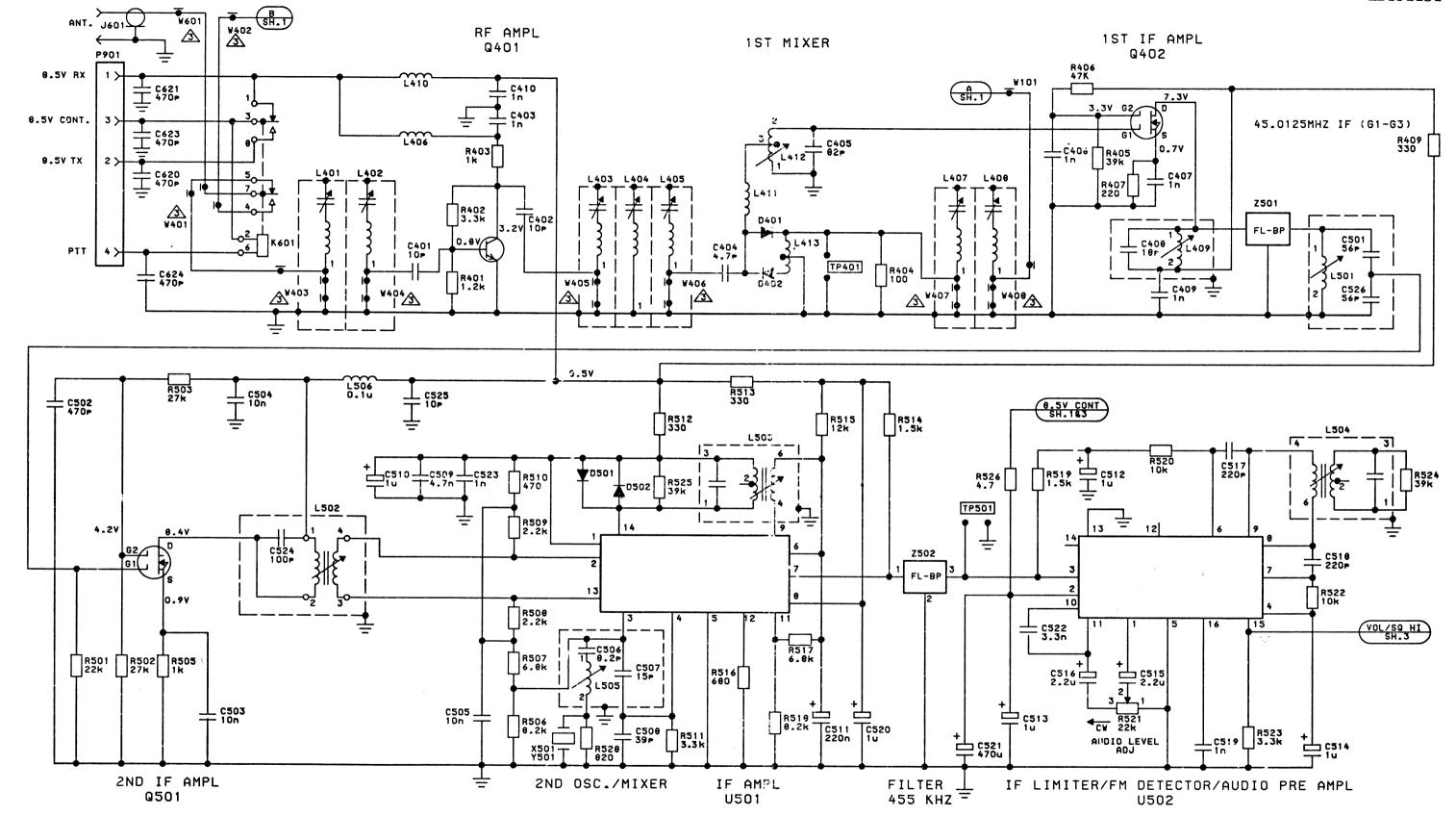


RX AMPL

806-825 MHz TRANSMITTER 19D900742G2 & G3

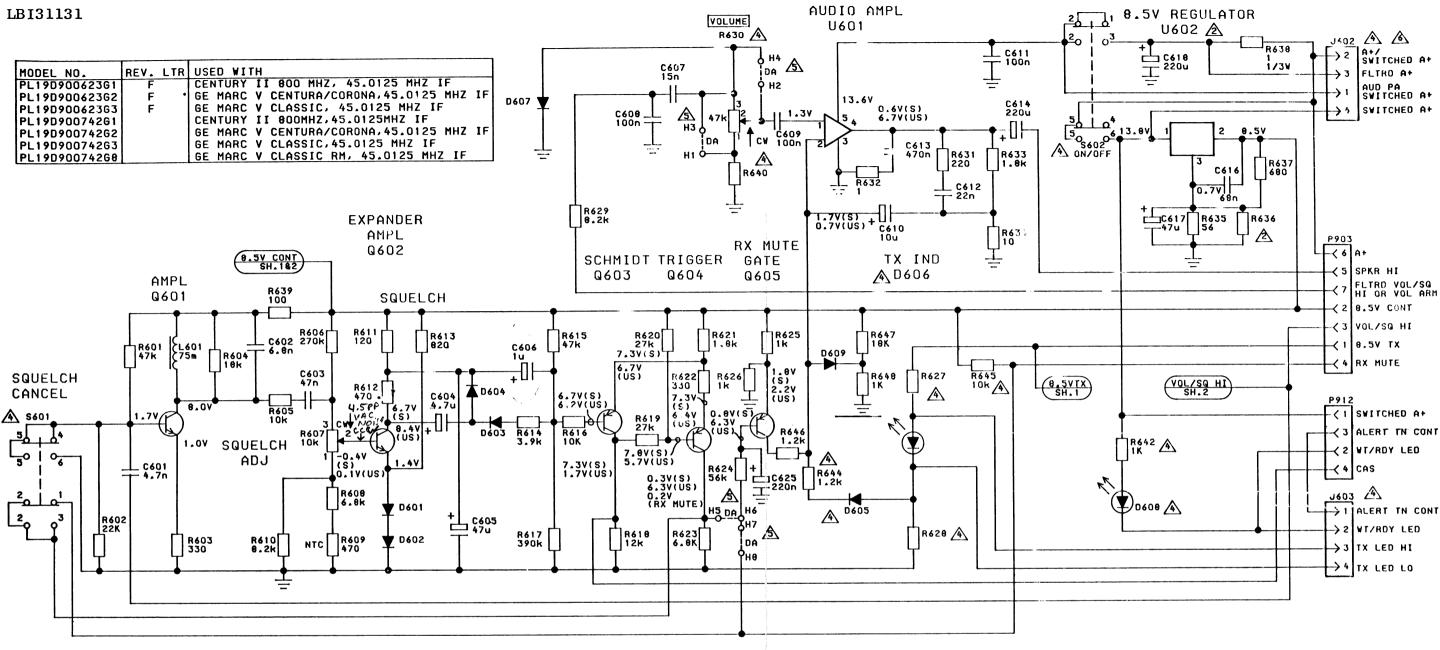
Issue 3

(19D900750, Sh. 1, Rev. 6)



# SCHEMATIC DIAGRAM

851-870 MHz RECEIVER 19D900742G2 & G3



VALUE OF R636 DEPENDS ON COLOR CODE ON U602.

| U602   |                |
|--------|----------------|
| COLOR  | R636           |
| CODE   | VALUE $\Omega$ |
| BROWN  | OMIT R636      |
| RED    | 270            |
| ORANGE | 100            |
| YELLOW | 47             |
| GREEN  | . 22           |
| BLUE   | 6.8            |

3 PART OF PRINTED CIRCUIT BOARD.

# SCHEMATIC DIAGRAM

RECEIVER AUDIO 19D900742G2 & G3

| A             | COMPONENT VALUES |           |  |  |  |  |  |  |
|---------------|------------------|-----------|--|--|--|--|--|--|
| 61            | 62               | 63        |  |  |  |  |  |  |
| 800MHZ 1 FREG | GE MARC V        | GE MARC V |  |  |  |  |  |  |
|               | CENTURA/CORONA   | CLASSIC   |  |  |  |  |  |  |
| D605          | OMIT             | OMIT      |  |  |  |  |  |  |
| D606          | D606             | TIMO      |  |  |  |  |  |  |
| OMIT          | D608             | OMIT      |  |  |  |  |  |  |
| OMIT          | J101             | J101      |  |  |  |  |  |  |
| TIMO          | OMIT             | J602      |  |  |  |  |  |  |
| OMIT          | OMIT             | J603      |  |  |  |  |  |  |
| R627A 220     | R627A 220        | R627B 150 |  |  |  |  |  |  |
| R628A 150     | R628A 150        | R628B 180 |  |  |  |  |  |  |
| R630          | R630             | OMIT      |  |  |  |  |  |  |
| R640A 10      | R640B 2.2K       | R640C 47K |  |  |  |  |  |  |
| OMIT          | R642             | TIMO      |  |  |  |  |  |  |
| S601          | OMIT             | OMIT      |  |  |  |  |  |  |
| \$602         | S602             | OMIT      |  |  |  |  |  |  |
| OMIT          | U101             | U101      |  |  |  |  |  |  |
| R644          | OMIT             | OHIT      |  |  |  |  |  |  |
| TINO          | R645             | R645      |  |  |  |  |  |  |

5 DA JUMPER PRESENT H5 TO H6 IN GI ONLY. DA JUMPER PRESENT H7 TO H8 IN G2, G3, ONLY. DA JUMPER PRESENT HIO TO HII IN GI ONLY. DA JUMPER PRESENT H1 TO H3, H2 TO H4 IN G3 ONLY.

ALL RESISTORS ARE 1/4 WATT UNLESS OTHERWISE SPECIFIED. RESISTOR VALUES IN QUINCESS FOLLOWED BY MULTIPLIER & OR M. CAPACITOR VALUES IN F UNLESS FOLLOWED BY MULTIPLIER u.n OR p. INDUCTANCE VALUES IN H UNLESS FOLLOWED BY MULTIPLIER m OR u.

### RECEIVER VOLTAGE READINGS

VOLTAGE READINGS ARE TYPICAL READINGS MEASURED TO SYSTEM NEGATIVE WITH A 20,000 OHMS-PER VOLT DC VOLTMETER UNDER THE FOLLOWING CONDITIONS:

- 1. NO SIGNAL INPUT
- 2. VOLUME CONTROL (R630) SET TO MINIMUM
- 3. SQUELCH CANCEL (S601) SWITCHED OFF
- 4. UNSQUELCHED (US)-SQUELCH ADJUST (R607)
- SET TO MINIMUM (CW) 5. SQUELCHED (S)-SQUELCH ADJUST (R607) SET TO MAXIMUM (CCW)

6 FOR TRUNK MOUNT RADIO, J602 IS SWITCHED A+ INPUT FROM CONTROL UNIT.

Issue 3

(19D900750, Sh. 3, Rev. 7)

PARTS LIST

800 MHz, 30 WATT TRANSMIT/RECEIVE FRAME 19D900742G2 CORONA & CENTURA 19D900742G3 CLASSIC ISSUE 3

| C108 19A700219P24   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 F Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C110 19A700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C12 19A700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C13 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-A050-wSr8-471M.  C114 19A700219P48   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF C15 19A700219P48   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C16 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C17 19A116192P1   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C118 19A700219P33   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF C18 19A700219P44   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A70008P2   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A70008P2   Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005.   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C129 19A116192P1   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C130 19A700219P33   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P34   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P34   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P36   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P24   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   C134 19A70008                      | SYMBOL | GE PART NO.  | DESCRIPTION  |
|---|--------|--------------|--|
| 19B90062302   CORONA & CENTURA - REV F   19B90062303   CLASSIC - REV F   F   19B9002304P   Ceramic: 12 pF +5\$, 100 VDCW, temp coef 0 PF   19B9002304P   Ceramic: 2.0 uF +20%, 50 VDCW; sim to Eric SPECIAL.   Clos 19B416192P2   Ceramic: 3.2 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023948   Ceramic: 3.2 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023948   Ceramic: 3.2 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023949   Ceramic: 2.2 pF +5\$, 100 VDCW, temp coef 0 PF   19B900239948   Ceramic: 3.2 pF +5\$, 100 VDCW, temp coef 0 PF   19B900239949   Ceramic: 15 pF +5\$, 100 VDCW, temp coef 0 PF   19B900239949   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B900239949   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B900239949   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B900239949   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.3 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.9 pF +5\$, 100 VDCW, temp coef 0 PF   19B90023994   Ceramic: 3.9 pF +5 |        |              |  |
| C101 19A700219P30 Ceramic: 12 pF ±5%, 100 VDCW, temp coef 0 PF C102 19A700219P48 Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C103 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW. C104 19A701534P5 Tantalum: 2.2 uF, ±20%, 35 VDCW. C105 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL. C106 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-A050-WSR-471M. C107 19A700219P10 Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C108 19A700219P24 Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C108 19A700219P24 Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C112 19A700219P10 Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C113 19A116192P2 Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C113 19A10219P3 Ceramic: 370 pF ±20%, 50 VDCW; sim to Erie S11-A050-WSR-471M. C114 19A700219P33 Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C114 19A700219P48 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C115 19A700219P48 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 19A700219P26 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie                       | Al     |              | 19D900623G2 CORONA & CENTURA - REV F                       |
| C101 19A700219P30   Ceramic: 12 pF ±5%, 100 VDCW, temp coef 0 PF   C102 19A70023P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF   C103 19A70023P7   Polyester: 0.01 uF ±10%, 50 VDCW. C104 19A701534P5   Tantalum: 2.2 uF, ±20%, 35 VDCW. C105 19A116192P1   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL. C106 19A106192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-A050-W5R-471M. C107 19A700219P10   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF   C108 19A700219P24   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF   C109 19A116192P1   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL. C110 19A700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF   C112 19A700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF   C113 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-A050-W5R-471M. C114 19A700219P33   Ceramic: 35 pF ±5%, 100 VDCW, temp coef 0 PF   C115 19A700219P48   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF   C116 19A700219P40   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF   C117 19A116192P1   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF   C118 19A700219P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C120 19A700219P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C121 19A700219P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C122 19A700219P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C123 19A700219P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C124 19A700219P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C125 19A70003P97   Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005. C126 19A700219P30   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF   C126 19A700219P30   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF   C127 19A70003P97   Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. C128 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL. C129 19A116192P2   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C130 19A700019P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF   C131 19A700019P30   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF                       | A202   | 19C850655G1  | Low Pass Filter.   |
| C102 194700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C103 194700234P7   Polyester: 0.01 uF ±10%, 50 VDCW. C104 194701534P5   Tantalum: 2.2 uF, ±20%, 35 VDCW. C105 194116192P1   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL. C106 194116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-4050-W5R-471M. C107 194700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C108 194700219P44   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL. C110 194700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C111 194700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C112 194700219P48   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C113 19416192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-4050-W5R-471M. C114 194700219P48   Ceramic: 33 pF ±5%, 100 VDCW, temp coef 0 PF C115 194700219P48   Ceramic: 33 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.2 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.2 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 3.2 pF ±5%, 100 VDCW, temp coef 0 PF C116 194700219P10   Ceramic: 470 pF ±20%, 50 VDCW; temp                       | C101   | 194700219030 |  |
| C103 19A700234P7 C104 19A701534P5 C105 19A116192P1 C106 19A116192P1 C107 19A700219P10 C108 19A700219P10 C108 19A700219P10 C108 19A700219P10 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A100219P48 C110 19A700219P10 C111 19A700219P10 C112 19A700219P10 C113 19A116192P2 C114 19A700219P10 C115 19A700219P10 C116 19A700219P10 C117 19A116192P2 C118 19A700219P10 C119 19A116192P2 C110 19A700219P10 C111 19A700219P10 C111 19A700219P10 C112 19A700219P10 C113 19A116192P2 C114 19A700219P33 C115 19A700219P48 C116 19A700219P48 C117 19A116192P1 C118 19A700219P14 C119 19A700219P14 C110 19A700219P16 C111 19A700219P17 C111 19A116192P1 C112 19A700219P18 C113 19A700219P19 C114 19A700219P10 C115 19A700219P10 C116 19A700219P10 C117 19A116192P1 C118 19A700219P10 C119 19A700219P10 C119 19A700219P10 C119 19A700219P10 C119 19A700219P10 C119 19A700219P10 C119 19A700219P10 C120 19A700219P10 C120 19A700219P10 C121 19A700219P10 C122 19A700219P10 C123 19A700219P10 C124 19A700219P10 C125 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005. C128 19A116192P1 C129 19A116192P1 C120 19A700219P14 C121 19A700008P2 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. C128 19A116192P1 C129 19A116192P2 C130 19A700219P30 C131 19A700219P30 C131 19A700219P30 C131 19A700219P30 C131 19A700219P30 C131 19A700219P30 C131 19A700219P30 C132 19A700219P30 C133 19A700219P24 C134 19A700219P30 C135 19A116192P2 C136 19A116192P2 C137 19A10008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. C130 19A700219P24 C131 19A700219P24 C132 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005. C131 19A700219P24 C132 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005. C131 19A700219P24 C132 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005. C131 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.   |        |              | _  |
| C104 19A701534P5 C105 19A116192P1 C106 19A116192P1 C106 19A116192P2 C107 19A700219P10 C108 19A700219P10 C108 19A700219P24 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C109 19A116192P1 C110 19A700219P48 C110 19A700219P48 C111 19A700219P10 C112 19A700219P10 C113 19A116192P2 C114 19A700219P10 C115 19A700219P10 C116 19A700219P10 C117 19A116192P2 C118 19A700219P33 C119 19A700219P48 C119 19A700219P48 C110 19A700219P48 C110 19A700219P48 C111 19A700219P39 C111 19A700219P30 C112 19A700219P48 C113 19A700219P48 C114 19A700219P48 C115 19A700219P48 C116 19A700219P48 C117 19A116192P1 C118 19A700219P14 C119 19A700219P14 C119 19A700219P14 C119 19A700219P15 C119 19A700219P16 C110 19A700219P17 C110 19A116192P1 C111 19A116192P1 C111 19A116192P1 C111 19A116192P1 C111 19A116192P1 C112 19A700219P33 C113 19A700219P34 C114 19A700219P35 C115 19A700219P36 C116 19A700219P44 C120 19A700219P44 C120 19A700219P45 C120 19A700219P46 C121 19A700219P47 C122 19A700219P47 C123 19A700219P47 C124 19A700219P48 C125 19A700219P49 C126 19A700219P40 C127 19A700219P40 C128 19A700219P40 C129 19A700219P40 C120 19A700219P40 C121 19A700219P40 C122 19A700219P40 C123 19A700219P40 C124 19A700219P40 C125 19A700219P40 C126 19A700219P40 C127 19A70008P2 C128 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005. C128 19A116192P1 C129 19A116192P1 C120 19A700219P40 C121 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. C128 19A116192P1 C129 19A116192P2 C120 19A10019P30 C131 19A700219P30 C131 19A700219P30 C131 19A700219P30 C132 19A700219P30 C133 19A700219P30 C134 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005. C128 19A116192P1 C139 19A116192P2 C130 19A700219P30 C131 19A700219P30 C131 19A700219P30 C131 19A700219P30 C132 19A700219P30 C133 19A700219P30 C134 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. C134 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  |        |              | • • •  |
| C105 19A116192P1   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C106 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-A050-W5S1-471M.  C107 19A700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 processed of the composition of the compo                      |        |              | •  |
| SPECIAL.   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie   |        | 1            |  |
| S11-A050-W5R-471M.  |        |              | SPECIAL.   |
| C108 19A700219P24   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 F Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C110 19A700219P48   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF C12 19A700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C13 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie S11-A050-wSr8-471M.  C114 19A700219P48   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF C15 19A700219P48   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C16 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C17 19A116192P1   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C118 19A700219P33   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PF C18 19A700219P44   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A70008P2   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PF C19 19A70008P2   Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005.   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C129 19A116192P1   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C130 19A700219P33   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P34   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P34   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P36   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.   C131 19A700219P24   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PF C132 19A700219P34   C134 19A70008                      | C106   | 19A116192P2  |  |
| C109  | C107   | 19A700219P10 | Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| SPECIAL   Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PF  | C108   | 19A700219P24 | Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| C112 19A700219P10   | C109   | 19A116192P1  |  |
| C113 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie 811-A050-W5R-471M.  C114 19A700219P33   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P34   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C118 19A700219P33   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P34   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P10   Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14   Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P33   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P34   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P35   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700234P7   Polyester: 0.01 uF ±10%, 50 VDCW.  C124 19A700234P7   Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A700008P2   Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14   Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C127 19A700008P3   Variable: 1.56 to 4.86 pF; sim to Erie SPECIAL.  C128 19A116192P1   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2   Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.  C130 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P36   Ceramic: 10                      | C110   | 19A700219P48 | Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| S11-A050-W5R-471M.  | C112   | 19A700219P10 | Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| C115 19A700219P48   | C113   | 19A116192P2  |  |
| C116 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 process of the second color of the second col                      | C114   | 19A700219P33 | Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| C117 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C118 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C124 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0103-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI                       | C115   | 19A700219P48 | Ceramic: 36 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| C118 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P10 Celamic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C124 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johns 187-0109-005.  C134 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johns 187-0103-005.   | C116   | 19A700219P14 | Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| C119 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 1 19A700219P10 Ceramic: 2.2 pF ±5%, 100 VDCW, temp coef 0 1 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 1 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C124 19A70003P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 18A7-0109-005.  C126 19A700019P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 18A7-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Eric SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Eric SPECIAL.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P26 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 18A7-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 18A7-0109-005.  | C117   | 19A116192P1  |  |
| C120 19A700219P10 Ce:amic: 2.2 pF ±5%, 100 VDCW, temp coef 0 1 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 1 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C124 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PI 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Eric 19A700219P33 Ceramic: 470 pF ±20%, 50 VDCW; sim to Eric 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P26 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PI 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PI 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  | C118   | 19A700219P33 | Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| C121 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PC 122 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PC 123 19A701534P5 Tantalum: 2.2 uF, ±20%, 35 VDCW.  C124 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PC 187-0103-005.  C127 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Eric SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Eric SPECIAL.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PC 1811-A050-W5R-471M.  C131 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PC 1811-A050-W5R-471M.  C132 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PC 1811-A050-W5R-471M.  C133 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  | C119   | 19A700219P24 | Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| C122 19A700219P33   | C120   | 19A700219P10 | Celamic: 2.2 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| C123 19A701534P5 Tantalum: 2.2 uF, ±20%, 35 VDCW.  C124 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 processed to 187-0103-005.  C127 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 processed to 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 processed to 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 processed to 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.   | C121   | 19A700219P14 | Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| C124 19A700234P7 Polyester: 0.01 uF ±10%, 50 VDCW.  C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PR 187-0103-005.  C127 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie SPECIAL.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PR 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PR 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PR 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PR 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 18A7-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 18A7-0103-005.   | C122   | 19A700219P33 | Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| C125 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C126 19A700219P14 Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PR ± 187-0103-005.  C127 19A70008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie 811-A050-WSR-471M.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PR ± 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PR ± 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PR ± 19A70008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  | C123   | 19A701534P5  | Tantalum: 2.2 uF, +20%, 35 VDCW.                           |
| 187-0109-005.   | C124   | 19A700234P7  | Polyester: 0.01 uF ±10%, 50 VDCW.                          |
| C127 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.  C128 19A116192P1 Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie 811-A050-WSR-471M.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 Pl C131 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 Pl C132 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 Pl C133 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johnson 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005.   | C125   | 19A700008P2  |  |
| 187-0103-005.   | C126   | 19A700219P14 | Ceramic: 3.3 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| SPECIAL.  C129 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie 811-A050-W5R-471M.  C130 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 Pl C131 19A700219P26 Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 Pl C132 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 Pl C133 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johns 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johns 187-0103-005.   | C127   | 19A700008P3  | 1  |
| C129  | C128   | 19A116192P1  | Ceramic: 0.01 uF ±20%, 50 VDCW; sim to Erie 8121 SPECIAL.  |
| C130 19A700219P33   Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PR C131 19A700219P26   Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PR C132 19A700219P24   Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PR C133 19A700008P2   Variable: 2.28 to 14.13 pF; sim to EF Johns 187-0109-005.   C134 19A700008P3   Variable: 1.56 to 4.86 pF; sim to EF Johns 187-0103-005.  | C129   | 19A116192P2  | Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie                 |
| C132 19A700219P24 Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 1 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johns 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johns 187-0103-005.   | C130   | 19A700219P33 | _  |
| C133 19A700008P2 Variable: 2.28 to 14.13 pF; sim to EF Johns 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johns 187-0103-005.   | C131   | 19A700219P26 | Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| 187-0109-005.  C134 19A700008P3 Variable: 1.56 to 4.86 pF; sim to EF Johns 187-0103-005.  | C132   | 19A700219P24 | Ceramic: 8.2 pF ±5%, 100 VDCW, temp coef 0 PPM.            |
| 187-0103-005.   | C133   | 19A700008P2  |  |
|   | C134   | 19A700008P3  | Variable: 1.56 to 4.86 pF; sim to EF Johnson 187-0103-005. |
| C135 19A700219P33 Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 P   | C135   | 19A700219P33 | Ceramic: 15 pF ±5%, 100 VDCW, temp coef 0 PPM.             |
| C136 19A701602P14 Ceramic: 470 pF ±10%, 1000 VDCW.  | Į.     | ł            | T -  |
| C143 19A116192P2 Ceramic: 470 pF ±20%, 50 VDCW; sim to Erie<br>811-A050-W5R-471M.   | l .    |              | Ceramic: 470 pF +20%, 50 VDCW; sim to Erie                 |

| SYMBOL               | GE PART NO.                  | DESCRIPTION   | SYMBOL              | GE PART NO.                 | DESCRIPTION  | SYMBOL               | GE PART NO.                 | DESCRIPTION   |
|----------------------|------------------------------|---|---------------------|-----------------------------|--|----------------------|-----------------------------|---|
| C201<br>and          | 19A701624P12                 | Ceramic, disc: 15 pF ±5%, 500 VDCW, temp coef                             | C523                | 19A700233P7                 | Ceramic: 1000 pF ±20%, 50 VDCW.  |                      |                             | inductors   |
| C202                 |                              | Committee of the Parish of the Appendix                                   | C524                | 19A700002P25                | Ceramic disc: 100 pF ±5%, 50 VDCW; temp coef -150 +60 PPM.   | L101                 | 19J706154P10                | RF Coil: sim to Paul Smith SK802-1.   |
| C203<br>and<br>C204  | 19A143565P8                  | Ceramic: 0.1 uF ±10%, 50 VDCW.  | C525                | 19A700235P13                | Ceramic: 10 pF <u>+</u> 5%, 50 VDCW.   | thru<br>L103         |                             |   |
| C205                 | 19A701534P8                  | Tantalum: 0.47 uF ±20%, 35 VDCW.  | C526                | 19A700235P22                | Ceramic: 56 pF ±5%, 50 VDCW.   | L104                 | 19J706085P4                 | Coil, RF: 0.065 uH ind., ±5%; sim to Paul Smith LM-2.                           |
| C206                 | 19A701225P1                  | Electrolytic: 15 uF -10+75%, 63 VDCW; sim to<br>Sprague 501D156-G025BB1C. | C601                | 19A700234P5                 | Polyester: 4700 pF ±10%, 50 VDCW.  | L105                 | 19J706085P8                 | Coil, RF: 0.110 uH ind., ±5%; sim to Paul Smith LM-2.                           |
| C206                 |                              | Sprague 3010130-d0230b1C.   | C602<br>C603        | 19A700234P6<br>19A700234P11 | Polyester: 6800 pF ±10%, 50 VDCW.  Polyester: 0.047 uF ±10%, 50 VDCW.  | L106                 | 19A700024P1                 | Coil, RF: 100 nH ±10%, 0.08 ohms DC res max,                                    |
| C207                 | 19A700006P3                  | Mica: 5.6 pF <u>+</u> 10%, 250 VDCW; sim to Underwood<br>3HS0020.         | C604                | 19A701534P6                 | Tantalum: 4.7 uF ±20%, 35 VDCW.  |                      |                             | 100 v.  |
| C212                 | 19A700006P1                  | Mica: 4.7 pF ±10%, 250 VDCW; sim to Underwood                             | C605                | 19A134730P1                 | Electrolytic: 47 uF +100 -10%, 16 VDCW.  | L107<br>thru<br>L109 | 19B233593P4                 | Coil, RF: sim to Paul Smith SK-832-1.   |
| C213                 | 19A700006P41                 | Mica: 180 pF ±5%, 250 VDCW; sim to Underwood                              | C606                | 19A701534P4                 | Tantalum: 1 uF ±20%, 35 VDCW.  | L110                 | 19A701524P1                 | Coil.   |
|                      |                              | 3HS0020.  | C607                | 19A700234P8                 | Polyester: .015 uF ±10%, 50 VDCW; sim to NISSEI AMXV or AMZV.  | L111                 | 19A701524P5                 | Coil.   |
| C214<br>and          | 19A700006P36                 | Mica: 120 pF ±5%, 250 VDCW; sim to Underwood 3HS0020.                     | C608                | 19A700234P13                | Polyester: 0.1 uF ±10%, 50 VDCW.   | L112                 | 19A701524P2                 | Coil.   |
| C215<br>C216         | 19A143565P8                  | Ceramic: 0.1 uF +10%, 50 VDCW.  | and<br>C609         |                             |  | L113                 | 19A701524P3                 | Coil.   |
| C217                 | 19A701225P1                  | Electrolytic: 15 uF -10 +75%, 63 VDCW; sim to                             | C610                | 19A701534P7                 | Tantalum: 10 uF <u>+</u> 20%, 16 VDCW.   | L114                 | 19A701524P1                 | Coil.   |
|                      |                              | Sprague 501D156-G025BB1C.   | C611                | 19A700234P13                | Polyester: 0.1 uF ±10%, 50 VDCW.   | L115                 | 19A700024P1                 | Coil, RF: 100 nH +10%, 0.08 ohms DC res max, 100 v.                             |
| C218                 | 19A134418P35                 | Ceramic: 82 pF ±5%, 50 VDCW, temp coef 0<br>±30 PPM.                      | C612                | 19A700234P9                 | Polyester: 0.22 uF ±10%, 50 VDCW.  | L116                 | 19A701524P4                 | Coil.   |
| C219                 | 19A143565P8                  | Ceramic: 0.1 uF ±10%, 50 VDCW.  | C613<br>C614        | 19A700004P6<br>19A134730P2  | Metallized Polyester: 0.47 ±10%, 63 VDCW.  Electrolytic: 220 uF +100 -10%, 25 VDCW.  | L117                 | 19A701524P1                 | Coil.   |
| C220                 | 19A701534P8                  | Tantalum: 0.47 uF <u>+</u> 20%, 35 VDCW.                                  | C614                | 19A700234P12                | Polyester: 0.068 uF ±10%, 50 VDCW.   | L118                 | 19A702028P2                 | Coil.   |
| C221                 | 19A700234P13                 | Polyester: 0.1 uF ±10%, 50 VDCW.  | C617                | 19A134730P1                 | Electrolytic: 47 uF +100 -10%, 16 VDCW.  | L201                 | 19A701006P6                 | Strap.  |
| C222<br>C223         | 19A701534P4<br>19A134418P35  | Tantalum: 1 uF ±20%, 35 VDCW.  Ceramic: 82 pF +5%, 50 VDCW, temp coef 0   | C618                | 19A134730P2                 | Electrolytic: 220 uF +100 -10%, 25 VDCW.   | L202<br>L203         | 19A138196P4                 | Coil. Part of printed board.  |
| C223                 | 198134416F33                 | +30 PPM.  | C620<br>and         | 19A700233P5                 | Ceramic: 470 pF <u>+</u> 20%, 50 VDCW.   | and<br>L204          |                             | rate of printed boards  |
| C224                 | 19A700233P5                  | Ceramic: 470 pF ±20%, 50 VDCW.  | C621                |                             |  | L205                 | 19A701006P4                 | Strap.  |
| C401<br>and          | 19A700219P26                 | Ceramic: 10 pF ±5%, 100 VDCW, temp coef 0 PPM.                            | C623<br>and         | 19A700233P5                 | Ceramic: 470 pF ±20%, 50 VDCW.   |                      | 10120046001                 | Coil.   |
| C402<br>C403         | 19A700233P7                  | Ceramic: 1000 pF +20%, 50 VDCW.   | C624                | 10470152402                 | Tantalum: 0.22 uF +20%, 35 VDCW.   | L206<br>L207         | 19A702463P1<br>19A701091G1  | Coil.   |
| C404                 | 19A700219P18                 | Ceramic: 4.7 pF +5%, 100 VDCW, temp coef 0 PPM.                           | C625                | 19A701534P2                 | Tantalum. 0.22 ur -20x, 30 vbcm.   | L209                 | 19A138298P1                 | Coil.   |
| C405                 | 19A700235P24                 | Ceramic: 82 pF ±5%, 50 VDCW.  |                     |                             |  | and<br>L210          |                             |   |
| C406<br>and          | 19A700233P7                  | Ceramic: 1000 pF ±20%, 50 VDCW.   | 5101                | 19A700047P1                 | Silicon, 100 mW continous dissipation.   | L401<br>and          | 19B233593P2                 | Coil, RF: sim to Paul Smith SK-832-1.   |
| C407                 |                              |   | D102                | 19A115100P1<br>19A700047P2  | Silicon; sim to Type 1N458A. Silicon.  | L402                 |                             |   |
| C408                 | 19A700235P16                 | Ceramic: 18 pF ±5%, 50 VDCW.  | D202                | 19A702015P1                 | Silicon; sim to IN458A.  | L403                 | 19B233593P1                 | Coil, RF: sim to Paul Smith SK-832-1.   |
| C409<br>and          | 19A700233P7                  | Ceramic: 1000 pF +20%, 50 VDCW.   | D203                | 19A700047P3                 | Silicon: 100 mW; sim to 1N6263.  | L404<br>L405         | 19B233593P2<br>19B233593P1  | Coil, RF: sim to Paul Smith SK-832-1.  Coil, RF: sim to Paul Smith SK-832-1.    |
| C410<br>C501         | 19A700235P22                 | Ceramic: 56 pF ±5%, 50 VDCW.  | D204                | 19A702015P1                 | Silicon; sim to IN458A.  | L405<br>L406         | 19B233393F1<br>19A138400G1  | Coil.   |
| C502                 | 19A700233P5                  | Ceramic: 470 pF +20%, 50 VDCW.  | D401                | 19A116052P4                 | Silicon, hot carrier: Fwd. drop .350 volts max.  | L407                 | 19B233593P3                 | Coil, RF: sim to Paul Smith SK-832-1.   |
| C503<br>thru         | 19A700234P7                  | Polyester: 0.01 uF ±10%, 50 VDCW.   | D501<br>and<br>D502 | 19A700028P1                 | Silicon, fast recovery: fwd current 75 mA,<br>75 PIV; sim to Type 1N4148.  | and<br>L408          |                             |   |
| C505                 |                              |   | D601                | 19A700028P1                 | Silicon, fast recovery: fwd current 75 mA,   | L409                 | 19A134729P4                 | Coil, RF: sim to Paul Smith SK-832-1.   |
| C506                 | 19A700235P12                 | Ceramic: 8.2 pF +0.25 pF, 50 VDCW.  | thru<br>D604        |                             | 75 PIV; sim to Type 1N4148.  | L410                 | 19A138400G1                 | Coil.   |
| C507<br>C508         | 19A700235P15<br>19A700235P20 | Ceramic: 15 pF ±5%, 50 VDCW.  Ceramic: 39 pF ±5%, 50 VDCW.                | D606                | 19A134738P1                 | Diode, optoelectronic: red; sim to Siemans   | L411<br>L412         | 19A136535P1<br>19J706083P23 | Coil, RF: variable.   |
| C509                 | 19A700233P20                 | Polyester: 4700 pF +10%, 50 VDCW.   | D607                | 19A700028P1                 | LD41/11. Silicon, fast recovery: fwd current 75 mA,  | L412<br>L413         | 19A701768G1                 | Coil.   |
| C510                 | 19A701534P4                  | Tantalum: 1 uF ±20%, 35 VDCW.   | D607                |                             | 75 PIV; sim to Type 1N4148.  | L501                 | 19A134729P4                 | Coil, RF: sim to Paul Smith SK-832-1.   |
| C511                 | 19A701534P2                  | Tantalum: 0.22 uF ±20%, 35 VDCW.  | D608                | 19A134354P3                 | Optoelectronic: green; sim to Hew. Packard 5082-4955.  | L502                 | 19B800691P1                 | Coil, RF: single pole, wire size No. 24 AWG.                                    |
| C512<br>thru<br>C514 | 19A701534P4                  | Tantalum: 1 uF ±20%, 35 VDCW.   | D609                | 19A700028P1                 | Silicon, fast recovery: fwd current 75 mA, 75 PIV; sim to Type 1N4148.   | L503<br>and<br>L504  | 19A134747P1                 | Transformer, IF: 455 KHz.   |
| C515                 | 19A701534P5                  | Tantalum: 2.2 uF, <u>+</u> 20%, 35 VDCW.                                  |                     |                             |  | L505                 | 19J706029P4                 | RF Coil, variable; sim to Paul Smith EF 223.                                    |
| and<br>C516          |                              |   | J101                | 19A701883P4                 | Contact, electrical; sim to AMP 86444-1.   | L506                 | 19A700024P1                 | Coil, RF: 100 nH ±10%, 0.08 ohms DC res max, 100 v.                             |
| C517<br>and          | 19A700233P3                  | Ceramic: 220 pF ±10%, 50 VDCW.  | J102                | 19A701883P4                 | Contact, electrical; sim to AMP 86444-1.   | L601                 | 19A702322P1                 | Reactor, audio freq: 75 MHz ±10%; sim to  |
| C518                 |                              |   | J602                | 19A116659P103               | Connector, printed wiring: 4 contacts rated at 5 amps; sim to Molex 09-60-1041.  | 1001                 | 10410202211                 | Festinduktivetaten DR 270/5-CL.   |
| C519                 | 19A700233P7                  | Ceramic: 1000 pF ±20%, 50 VDCW.   | J603                | 19A700072P30                | Printed wire: 4 contacts rated at 2.5 amps; sim  |                      |                             |   |
| C520<br>C521         | 19A701534P4<br>19A134730P3   | Tantalum: 1 uF ±20%, 35 VDCW.  Electrolytic: 470 uF +100 -10%, 16 VDCW.   |                     |                             | to Molex 22-27-2041.   | P201                 | 19A116659P1                 | Connector, printed wiring: 3 contacts rated at 5 amps; sim to Molex 09-52-3032. |
| C522                 | 19A700234P4                  | Polyester: 3300 pF ±10%, 50 VDCW.   | K601                | 19A700061P1                 | Hermetic sealed: 180 to 341 ohms coil res,<br>8-16.3 VDC; sim to GE 3SAV1760A2, CPClare<br>HFW-1201558, or Potter-Brumfield HCM6160. | P901                 | 19A116659P15                | Connector, printed wiring: 4 contacts rated at 5 amps; sim to Molex 09-52-3042. |
|                      |                              |   |                     |                             | mra-1201000, or Potter-Diamitteld memorov.   |                      |                             |   |

LB131131

\*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

LBI31131

| SYMBOL               | GE PART NO.                 | DESCRIPTION   | SYMBOL       | GE PART NO.                  | DESCRIPTION   | SYMBOL              | GE PART NO.                  | DESCRIPTION   | SYMBOL               | GE PART NO.   | DESCRIPTION   | SYMBOL | GE PART NO.   | DESCRIPTION  |
|----------------------|-----------------------------|---|--------------|------------------------------|---|---------------------|------------------------------|---|----------------------|---------------|---|--------|---------------|--|
| P903                 | 19A116659P83                | Connector, printed wiring: 7 contacts rated at 5 amps; sim to Molex 09-52-3072 SPECIAL. | R213         | 19A700019P37                 | Deposited carbon: 1K ohms ±5%, 1/4 w.   | R617                | 19A700019P68                 | Deposited carbon: 0.39M ohms ±5%, 1/4 w.                                      | W106<br>thru         |               | Part of printed board.  |        | 19A700034P3   | Hexnut: M2.545. (Secures Q205, U601, U602).                        |
| P912                 | 19A116659P15                | Connector, printed wiring: 4 contacts rated at  | and<br>R214  |                              |   | R618                | 19A700019P50                 | Deposited carbon: 12K ohms ±5%, 1/4 w.  | W108                 |               |   |        | 19A701312P4   | Flatwasher: M2.5. (Secures Q205 & U602).                           |
| 1012                 | 134110003113                | 5 amps; sim to Molex 09-52-3042.  | R215         | 19A700106P15                 | Composition: 10 ohms ±5%, 1/4 w.  | R619<br>and         | 19A700019P54                 | Deposited carbon: 27K ohms ±5%, 1/4 w.  | W201<br>and          |               | Part of printed board.  |        | 19A700032P3   | Lockwasher, tooth, steel, metric: 2.5. (Secures Q205, U601, U602). |
|                      |                             |   | R401         | 19A700106P65                 | Composition: 1.2K ohms ±5%, 1/4 w.  | R620                |                              |   | W202                 |               | 1   |        | 19C328587P1   | Pushbutton. (Used with S601 & S602).                               |
| Q101                 | 19A702062P1                 | Silicon, NPN.   | R402         | 19A700106P75                 | Composition: 3.3K ohms ±5%, 1/4 w.  | R621                | 19A700019P40                 | Deposited carbon: 1.8K ohms ±5%, 1/4 w.                                       | W205<br>thru         |               | Part of printed board.  | 1      | 19A138451P1   | Tuning slug. (Used with L101-L103, L107-L109).                     |
| thru<br>Q105         |                             |   | R403         | 19A700106P63                 | Composition: 1K ohms ±5%, 1/4 w.  | R622                | 19A700019P31                 | Deposited carbon: 330 ohms ±5%, 1/4 w.  | W207                 |               | Part of printed board.  |        | 19A701886P1   | Spring. (Used with L101-L103, L107-L109, L401-L407).               |
| Q106                 | 19A134697P1                 | Silicon, NPN.   | R404         | 19A700106P39                 | Composition: 100 ohms ±5%, 1/4 w.   | R623                | 19A700019P47                 | Deposited carbon: 6.8K ohms ±5%, 1/4 w.                                       | W401<br>thru<br>W408 |               | Part of printed board.  |        | 19A701544P1   | L401-L407).  Can. (Used with L503 & L505).                         |
| Q202<br>and          | 19A700023P1                 | Silicon, NPN; sim to Type 2N3904.   | R405         | 19A700019P56                 | Deposited carbon: 39K ohms ±5%, 1/4 w.  | R624                | 19A700019P58                 | Deposited carbon: 56K ohms ±5%, 1/4 w.  Deposited carbon: 1K ohms ±5%, 1/4 w. | W601                 |               | Part of printed board.  |        | 19A700069P1   | Can. (Used with L409 & L501).                                      |
| Q203                 |                             |   | R406         | 194700019P57                 | Deposited carbon: 47K ohms ±5%, 1/4 w.  Deposited carbon: 220 ohms ±5%, 1/4 w.  | R625<br>and<br>R626 | 19A700019P37                 | neposited carbon. It onms 10x, 1/4 w.   | #001                 |               | Lare of princes contain   |        | 19D429826P1   | Knob. (R630).  |
| Q204                 | 19A700022P1                 | Silicon, PNP; sim to Type 2N3906.   | R407<br>R409 | 19A700019P29<br>19A700019P31 | Deposited carbon: 330 ohms ±5%, 1/4 w.  | R627A               | 19A700019P29                 | Deposited carbon: 220 ohms ±5%, 1/4 w.  |                      |               | SOCKETS   |        | 19A134753P5   | Machine screw. (Used with R630).                                   |
| Q205                 | 19A700054P1                 | Silicon, NPN, 60 w; sim to BD-201.  | R501         | 19A700019P53                 | Deposited carbon: 22K ohms ±5%, 1/4 w.  | R627B               | 19A700019P27                 | Deposited carbon: 150 ohms ±5%, 1/4 w.  | X501                 | 19A702742P1   | Crystal socket. (Quantity 2).   |        | 19J706076P1   | Washer, tension. (Used with R630).                                 |
| Q401                 | 19A702062P1                 | Silicon, NPN.   | R502         | 19A700019P54                 | Deposited carbon: 27K ohms ±5%, 1/4 w.  | and<br>R628A        |                              |   |                      |               |   |        | 19A134753P2   | Washer. (Used with R630).  |
| Q402                 | 19A116818P1                 | N Channel, field effect.  | and<br>R503  |                              |   | R628B               | 19A700019P28                 | Deposited carbon: 180 ohms ±5%, 1/4 w.  | Y501                 | 19B233066G9   | 2nd Oscillator: 45.4675 MHz.  |        | NP280878P1    | Nameplate. (POWER).  |
| Q501                 | 19A116818P1                 | N Channel, field effect.  | R505         | 19A700019P37                 | Deposited carbon: 1K ohms ±5%, 1/4 w.   | R629                | 19A700019P48                 | Deposited carbon: 8.2K ohms ±5%, 1/4 w.                                       |                      |               |   |        | 19A702364P106 | Machine screw, POZIDRIV®: 2-0.4 x 6. (Secures                      |
| Q601<br>and          | 19A116774P1                 | Silicon, NPN; sim to Type 2N5210.   | R506         | 19A700019P48                 | Deposited carbon: 8.2K ohms ±5%, 1/4 w.   | R630                | 19A134753P1                  | Variable, carbon film: 47K ohms ±20%, 0.1 w.                                  | 7501                 | 10000001202   | Filter, bandpass: 45.0125 ref. freq, 13 KHz                                     |        | 1000000501    | printed board to casting).   |
| Q602                 | 10110171071                 | OUV.  | R507         | 19A700019P47                 | Deposited carbon: 6.8K ohms ±5%, 1/4 w.   | R631                | 19A700019P29                 | Deposited carbon: 220 ohms ±5%, 1/4 w.  | Z501                 | 19B209613P3   | bandwidth.  |        | 19B233285P1   | Spring, ground clip. (Located on side of printed board at C404).   |
| Q603<br>thru<br>Q605 | 19A134749P1                 | Silicon, PNP; sim to Type 2N5087.   | R508         | 19A700019P41                 | Deposited carbon: 2.2K ohms ±5%, 1/4 w.   | R632                | 19A700019P1                  | Deposited carbon: 1 ohms ±5%, 1/4 w.  | Z502                 | 19A702171P1   | Bandpass filter: 455 <u>+</u> 1.5 kHz; sim to Murata<br>CFU455D2.               |        | 19C850619G1   | Casting. (Used with L101-L103 & L107-L109).                        |
| 4000                 |                             | RESISTORS   | and<br>R509  |                              |   | R633                | 19A700019P40                 | Deposited carbon: 1.8K ohms ±5%, 1/4 w.                                       |                      |               |   |        |               |  |
| R101                 | 19A700106P39                | Composition: 100 ohms ±5%, 1/4 w.   | R510         | 19A700019P33                 | Deposited carbon: 470 ohms ±5%, 1/4 w.  | R634                | 19A700019P13                 | Deposited carbon: 10 ohms ±5%, 1/4 w.   | A201                 | 19C850856P1   | Printed Wire Board.   |        |               |  |
| R102                 | 19A700106P77                | Composition: 3.9K ohms ±5%, 1/4 w.  | R511         | 19A700019P43                 | Deposited carbon: 3.3K ohms ±5%, 1/4 w.   | R635                | 19A700019P22                 | Deposited carbon: 56 ohms ±5%, 1/4 w.   |                      | 1             |   |        |               |  |
| R103                 | 19A700106P93                | Composition: 18K ohms +5%, 1/4 w.   | R512<br>and  | 19A700019P31                 | Deposited carbon: 330 ohms ±5%, 1/4 w.  | R636A               | 19A700019P30                 | Deposited carbon: 270 ohms ±5%, 1/4 w.  | C208                 | 19A700006P8   | Mica: 12 pF ±5%, 100 VDCW; sim to Underwood                                     |        |               |  |
| R104                 | 19A700106P55                | Composition: 470 ohms ±5%, 1/4 w.   | R513         |                              |   | R636B               | 19A700019P25                 | Deposited carbon: 100 ohms ±5%, 1/4 w.  |                      |               | 3HS0020.  |        |               |  |
| R105                 | 3R152P113J                  | Composition: 11K ohms ±5%, 1/4 w.   | R514         | 19A700019P39                 | Deposited carbon: 1.5K ohms ±5%, 1/4 w.   | R636C               | 19A700019P21                 | Deposited carbon: 47 ohms ±5%, 1/4 w.   | C209                 | 19A700006P11  | Mica: 15 pF $\pm$ 5%, 100 VDCW; sim to Underwood 3HS0020.                       |        |               |  |
| R106                 | 19A700106P63                | Composition: 1K ohms ±5%, 1/4 w.  | R515         | 19A700019P50                 | Deposited carbon: 12K ohms ±5%, 1/4 w.  | R636D               | 19A700019P17                 | Deposited carbon: 22 ohms ±5%, 1/4 w.   | C210                 | 19A700006P17  | Mica: 22 pF ±5%, 100 VDCW; sim to Underwood                                     |        |               |  |
| R107                 | 19A700106P45                | Composition: 180 ohms ±5%, 1/4 w.   | R516         | 19A700019P35                 | Deposited carbon: 680 ohms ±5%, 1/4 w.  | R636E               | 19A700019P11                 | Deposited carbon: 6.8 ohms ±5%, 1/4 w.  | and<br>C211          |               | 3HS0020.  |        |               |  |
| R108                 | 19A700106P15                | Composition: 10 ohms ±5%, 1/4 w.  | R517         | 19A700019P47                 | Deposited carbon: 6.8K ohms ±5%, 1/4 w.   | R637                | 19A700019P35                 | Deposited carbon: 680 ohms ±5%, 1/4 w.  |                      | 1             |   |        |               |  |
| R109                 | 19A700106P39                | Composition: 100 ohms ±5%, 1/4 w.   | R518         | 19A700019P48                 | Deposited carbon: 8.2K ohms ±5%, 1/4 w.   | R638                | 19A700018P1                  | Deposited carbon: 1 ohm ±5%, 1/3 w.  Deposited carbon: 100 ohms ±5%, 1/4 w.   | Q201                 | 19A702458P1   | Silicon, NPN.   | 1      |               |  |
| R110                 | 19A700106P63                | Composition: 1K ohms ±5%, 1/4 w.  | R519<br>R520 | 19A700019P39<br>19A700019P49 | Deposited carbon: 1.5K ohms ±5%, 1/4 w.  Deposited carbon: 10K ohms ±5%, 1/4 w. | R639<br>R640A       | 19A700019P25<br>19A700019P13 | Deposited carbon: 10 ohms ±5%, 1/4 w.   |                      |               |   |        |               |  |
| R111                 | 19A700106P81                | Composition: 5.6K ohms ±5%, 1/4 w.  | R521         | 19B800784P209                | Variable: 25K ohms ±20%, 1/2 w; sim to Murata                                   | R640B               | 19A700019P41                 | Deposited carbon: 2.2K ohms ±5%, 1/4 w.                                       | U201                 | 19A143904P2   | RF Amplifier.   |        |               |  |
| R112                 | 3R152P511J                  | Composition: 510 ohms ±5%, 1/4 w.   | 1 1021       | 1550001011205                | Type RVG0911V328.   | R640C               | 19A700019P57                 | Deposited carbon: 47K ohms ±5%, 1/4 w.  |                      |               |   |        |               |  |
| R114                 | 19A700106P39                | Composition: 100 ohms ±5%, 1/4 w.   | R522         | 19A700019P49                 | Deposited carbon: 10K ohms ±5%, 1/4 w.  | R642                | 19A700019P37                 | Deposited carbon: 1K ohms ±5%, 1/4 w.   |                      |               | 800 MHz CHASSIS   |        |               |  |
| R115                 | 19A700106P73                | Composition: 2.7K ohms ±5%, 1/4 w.  | R523         | 19A700019P43                 | Deposited carbon: 3.3K ohms $\pm 5\%$ , 1/4 w.                                  | R645                | 19A700019P49                 | Deposited carbon: 10K ohms ±5%, 1/4 w.  |                      |               | 19C850620G1, G2   | 1      |               | ·  |
| R116                 | 3R152P511J                  | Composition: 510 ohms ±5%, 1/4 w.   | R524<br>and  | 19A700019P56                 | Deposited carbon: 39K ohms ±5%, 1/4 w.  | R646                | 19A700019P38                 | Deposited carbon: 1.2K ohms ±5%, 1/4 w.                                       |                      |               |   | 1      |               |  |
| R117                 | 19A700106P23                | Composition: 22 ohms ±5%, 1/4 w.  | R525         |                              |   | R647                | 19A700019P52                 | Deposited carbon: 18K ohms ±5%, 1/4 w.  | FL907                | 19A703219G1   | Capacitor: 2 ceramic feed thrus; 100 pF ±20%, 250 VDCW.                         |        |               |  |
| R118<br>R119         | 3R152P622J<br>3R152P511J    | Composition: 6200 ohms ±5%, 1/4 w.  Composition: 510 ohms ±5%, 1/4 w.                   | R526         | 19A700019P9                  | Deposited carbon: 4.7 ohms ±5%, 1/4 w.  | R648                | 19A700019P37                 | Deposited carbon: 1K ohms ±5%, 1/4 w.   |                      |               | 250 VDC#1   | 1      |               |  |
| R120                 | 19A700106P47                | Composition: 220 ohms ±5%, 1/4 w.   | R528<br>R601 | 19A700019P36<br>19A700019P57 | Deposited carbon: 820 ohms ±5%, 1/4 w. Deposited carbon: 47K ohms ±5%, 1/4 w.   |                     |                              |   |                      |               | MISCELLANEOUS   |        |               |  |
| R121                 | 19A700106P69                | Composition: 1.8K ohms +5%, 1/4 w.  | R602         | 19A700019P53                 | Deposited carbon: 22K ohms ±5%, 1/4 w.  | \$602               | 19B800563P1                  | Push: DPDT, 1 station, alternate action; sim to                               |                      | 19C850620G2   | Chassis. (Used in 19D900742G3).   |        |               |  |
| R122                 | 19A700113P23                | Composition: 22 ohms +5%, 1/2 w.  | R603         | 19A700019P31                 | Deposited carbon: 330 ohms ±5%, 1/4 w.  |                     |                              | IEEE/SCHADOW 51281 (F2UEE).   |                      | 19C850620G1   | Chassis. (Used in 19D900742G2).   |        |               |  |
| R123                 | 19A700106P63                | Composition: 1K ohms ±5%, 1/4 w.  | R604         | 19A700019P52                 | Deposited carbon: 18K ohms ±5%, 1/4 w.  |                     |                              |   |                      | 19A702381P508 | Screw, thd. forming: No. 3.5-0.6 x 8. (Secures A1 to frame - Quantity 9).       |        |               |  |
| R124                 | 19A700106P15                | Composition: 10 ohms ±5%, 1/4 w.  | R605         | 19A700019P49                 | Deposited carbon: 10K ohms ±5%, 1/4 w.  | TP101               | 19A700152P1                  | Contact. (Quantity 1 each).   |                      | 19A702381P525 | Screw, thd. forming: No. M3.5-0.6 x 25.   |        |               |  |
| R201                 | 19A700106P15                | Composition: 10 ohms ±5%, 1/4 w.  | R606         | 19A700019P66                 | Deposited carbon: 0.27M ohms ±5%, 1/4 w.  | TP103               | 10470015001                  | Contact (Countity 2 seek)   |                      | 19A700033P3   | (Secures A1 to frame - Quantity 1).  Lockwasher, external tooth: M2.5. (Secures |        |               |  |
| R202                 | 19A700106P35                | Composition: 68 ohms ±5%, 1/4 w.  | R607         | 19B800784P208                | Variable: 10K ohms ±20%, 1/2 w; sim to Murata                                   | TP401<br>TP501      | 19A700152P1                  | Contact. (Quantity 2 each).   |                      | 19810003313   | Q201). (Secures   |        |               |  |
| R203                 | 19A700016P3                 | Variable, cermet: 4.7K ohms ±10%, 1/2 w.  | D600         | 19A700019P47                 | Type RVG0911V328.   |                     |                              | INTEGRATED CIRCUITS   |                      | 19A700032P6   | Lockwasher, internal tooth: No. 3.5MM. (Secures U201).                          |        |               |  |
| R204                 | 19A700019P35                | Deposited carbon: 680 ohms ±5%, 1/4 w.  | R608<br>R609 | 19A700019P47<br>19A701828P2  | Deposited carbon: 6.8K ohms ±5%, 1/4 w.  Thermistor: 470 pF ±20% sim to Philips | U101                | 19B209680P1                  | Mixer, balanced.  |                      | 19A702686P1   | Tab. (Solders to A1).   |        |               |  |
| R205                 | 19A700019P37                | Deposited carbon: 1K ohms ±5%, 1/4 w.   | 1009         | 198/0182892                  | Thermistor: 470 pF ±20%; sim to Philips 2322-642-61471.                         | U501                | 19A134759P1                  | Linear, Dual Differential Amplifier, 14 Pin Dip.                              |                      | 19B800576P1   | Shield. (Located at C125, C127, C133, C134).                                    |        |               |  |
| R206                 | 19A700019P47                | Deposited carbon: 6.8K ohms ±5%, 1/4 w.   | R610         | 19A700019P48                 | Deposited carbon: 8.2K ohms ±5%, 1/4 w.   | U502                | 19A134766P1                  | Linear, Outline For 16-Pin Dip case.  |                      | 19B232901P1   | Support. (Used with Q205, U601, U602).  |        |               |  |
| R207                 | 19A700019P35                | Deposited carbon: 680 ohms ±5%, 1/4 w.  | R611         | 19A700019P26                 | Deposited carbon: 120 ohms ±5%, 1/4 w.  | U601                | 19A134769P2                  | Linear: sim to TDA 2002.  |                      | 19A700115P3   | Insulator, plate. (Used with Q205 & U602).                                      |        |               | 1  |
| R208                 | 19A700019P29                | Deposited carbon: 220 ohms ±5%, 1/4 w.  | R612         | 19A700019P33                 | Deposited carbon: 470 ohms ±5%, 1/4 w.  | U602                | 19A138414G1                  | Regulator: 8.5 V.   |                      | 19A700068P1   | Insulator, bushing. (Used with Q205 & U602).                                    |        |               |  |
| R209                 | 19A700019P40                | Deposited carbon: 1.8K ohms ±5%, 1/4 w.   | R613         | 19A700019P36                 | Deposited carbon: 820 ohms ±5%, 1/4 w.  |                     | 1                            |   |                      | 19A702364P208 | Machine screw, metric: 2.545 x 10MM. (Secures                                   |        |               |  |
| R210                 | 19A700019P34                | Deposited carbon: 560 ohms ±5%, 1/4 w.  | R614         | 19A700019P44                 | Deposited carbon: 3.9K ohms ±5%, 1/4 w.   | W101                |                              | Part of printed board.  |                      | 1             | Q205, U601, U602).  | 1      |               |  |
| R211<br>R212         | 19A700106P35<br>19A700016P3 | Composition: 68 ohms ±5%, 1/4 w.  | R615         | 19A700019P57                 | Deposited carbon: 47K ohms ±5%, 1/4 w.  | thru<br>W103        |                              |   |                      | 1             |   |        |               |  |
| N212                 | 19810001013                 | Variable, cermet: 4.7K ohms ±10%, 1/2 w.  | R616         | 19A700019P49                 | Deposited carbon: 10K ohms ±5%, 1/4 w.  |                     |                              |   |                      |               |   |        |               |  |
|                      |                             |   | 1            |                              |   |                     |                              |   | 1                    | 1             |   | 1      |               |  |
|                      |                             |   |              |                              |   |                     | 1                            |   |                      |               | ]   |        |               |  |
| 1                    |                             |   |              |                              |   |                     |                              |   |                      |               |   |        |               |  |
|                      |                             |   |              |                              |   |                     |                              |   |                      |               |   |        |               | 1  |
|                      |                             |   |              | •                            | *· · · · · · · · · · · · · · · · · · ·  | - <del></del>       |                              |   |                      |               | ***   |        |               | <u> </u>   |

PRODUCTION CHANGES

Changes in the equipment to improve performance or to simplify circuits are identified by a "Revision Letter," which is stamped after the model number of the unit. The revision stamped on the unit includes all previous revisions. Refer to the Parts List for descriptions of parts affected by these revisions.

- REV. A Transmit/Receive Board 19D900623G2, 3
  - To eliminate possibility of solder bridges and shorts. Delete T101 and C111. Added L118.
  - T101 was: 19A701767G1 Transformer.

  - C111 was: 19A700219P10 Ceramic: 2.2 pf ±5%, 100 VDCW, temp. coef 0 PPW, C112 was: 19A700219P48 Ceramic: 36 pf ±5%, 100 VDCW, temp. coef 0 PPW,
- REV. B To improve PA operation at low temperatures. Changed C205, C205 was: 19A701225P1, Electrolyzic; 15  $\mu$ f  $\pm$ 75%, 63 VDCW; sim to Sprague 501D156-G025BB1C.
- REV. C To improve low end audio response (300 Hertz). Changed C607 from 10 Nanofarads to 15 Nanofarads. Old Part Number for C607 was: C607, 19A700234P7 Polyester: 0.01 µF ±10%, 50 VDCW.
- REV. D To improve operation of Receive Audio Circuit. Changed R647.
  Old Part Number was: C647, 19A700019P54 Deposited Carbon;
  27K ohms ±5%, 1/4 w.
- REV. E To improve operation of power control circuit. Changed C220. The old Part Number was: C220, 19A701534P4 Tantalum: 1  $\mu F$   $\pm 20\%$ , 35 VDCW.
- REV. F To improve decoupling of Power Control Circuit from vehicle battery and improve reliability of Q204. Changed C222 and added R215 in the 13 volt line between C222(+) and Q205-C. Break the printed wire run between the above and solder in R215. Old Part Number is: C222, 19A701534P4 Tantalum; 1 μF ±207, 35 VDCW.