

# **PRESIDENT**

## **TRUMAN**

### **SERVICE MANUAL**

## **-TECNICAL CHARACTERISTICS**

### **TRUMAN ( config: E d EU EC U PL )**

#### **1-GENERAL:**

##### **-Multiconfiguration(E,d,EU,EC,U,PL)**

- E  $\Rightarrow$  40 channels AM/FM 4W (from 26,965Mhz to 27,405Mhz)
- d  $\Rightarrow$  80 channels FM 4W (from 26,565Mhz to 27,405Mhz)  
40 channels AM 1W (from 26,965Mhz to 27,405Mhz)
- EU  $\Rightarrow$  40 channels FM 4W/AM 1W (from 26,965Mhz to 27,405Mhz)
- EC  $\Rightarrow$  40 channels FM 4W (from 26,965Mhz to 27,405Mhz)
- U  $\Rightarrow$  40 channels CEPT FM 4W (from 26,965Mhz to 27,405Mhz)  
40 channels FM UK 4W (from 27,60125Mhz to 27,99125Mhz)
- PL  $\Rightarrow$  40 channels AM/FM 4W (from 26,960Mhz to 27,400Mhz)

##### **-Channel step**

- 10KHz

##### **-Class of emission**

- AM(A3E)/FM(F3E)

##### **-Power supply**

- 13,2V (from 10,8V to 15,6V)

##### **-Antenna impedance**

- 50 $\Omega$

##### **-Dimensions(in mm)**

- 125(L)x45(H)x150(D)

##### **-Weight**

- 0,7Kg

#### **2-TRANSMISSION:**

##### **-Frequency allowance**

- $\pm 200$ Hz

##### **-Transmission interference**

- Inferior to 4nW(-54dBm)

##### **-Audio frequency response**

- From 300Hz to 3kHz in AM/FM

##### **-Emitted power in the adjacent channel**

- Inferior to 20 $\mu$ W

##### **-Microphone sensitivity**

- Inferior to 10mV

##### **-Current drain**

- 1,7A(in transmission mode with modulation)

##### **-Modulated signal distortion**

- Inferior to 2%

### **3-RECEPTION:**

- Maximum sensitivity at 20dB sinad**  
-0,5 $\mu$ V(-113dBm) AM/FM
- Audio frequency response**  
-From 300Hz to 3kHz in AM/FM
- Adjacent channel selectivity**  
-Superior to 60dB
- Frequency image rejection**  
-Superior to 60dB
- Intermodulation response**  
-Superior to 54dB
- Maximum audio power**  
-3W
- Squelch sensitivity**  
-Threshold 0,2 $\mu$ V(-120dBm)/Tight 1mV(-47dBm)
- Current drain**  
-300mA nominal/750mA maximum

# **ALIGNMENT PROCEDURE (TRUMAN)**

## **\* VCO/PLL PORTION**

- Alignment procedure
  - Test points
- Frequencies chart

## **\* TRANSMITTER**

- Alignment procedure
  - Test points

## **\* RECEIVER**

- Alignment procedure
  - Test points

Test equipment required

Frequency counter 200 Mhz  
DC Voltmeter  
Distortimeter  
Wattmeter - Dummy load  
FM linear detector  
AF generator

HF Generator  
BF Voltmeter  
HF Voltmeter  
Oscilloscope  
Load 8  $\Omega$   
Sinad meter

## **Conditions of Measurements on HF Generator**

### **Reception**

AM mode: Level - 107 dBm Frequency 1 KHz with 60% of modulation.  
FM mode: Level - 107 dBm Frequency 1 KHz with 1,2KHz of deviation.

### **Transmission**

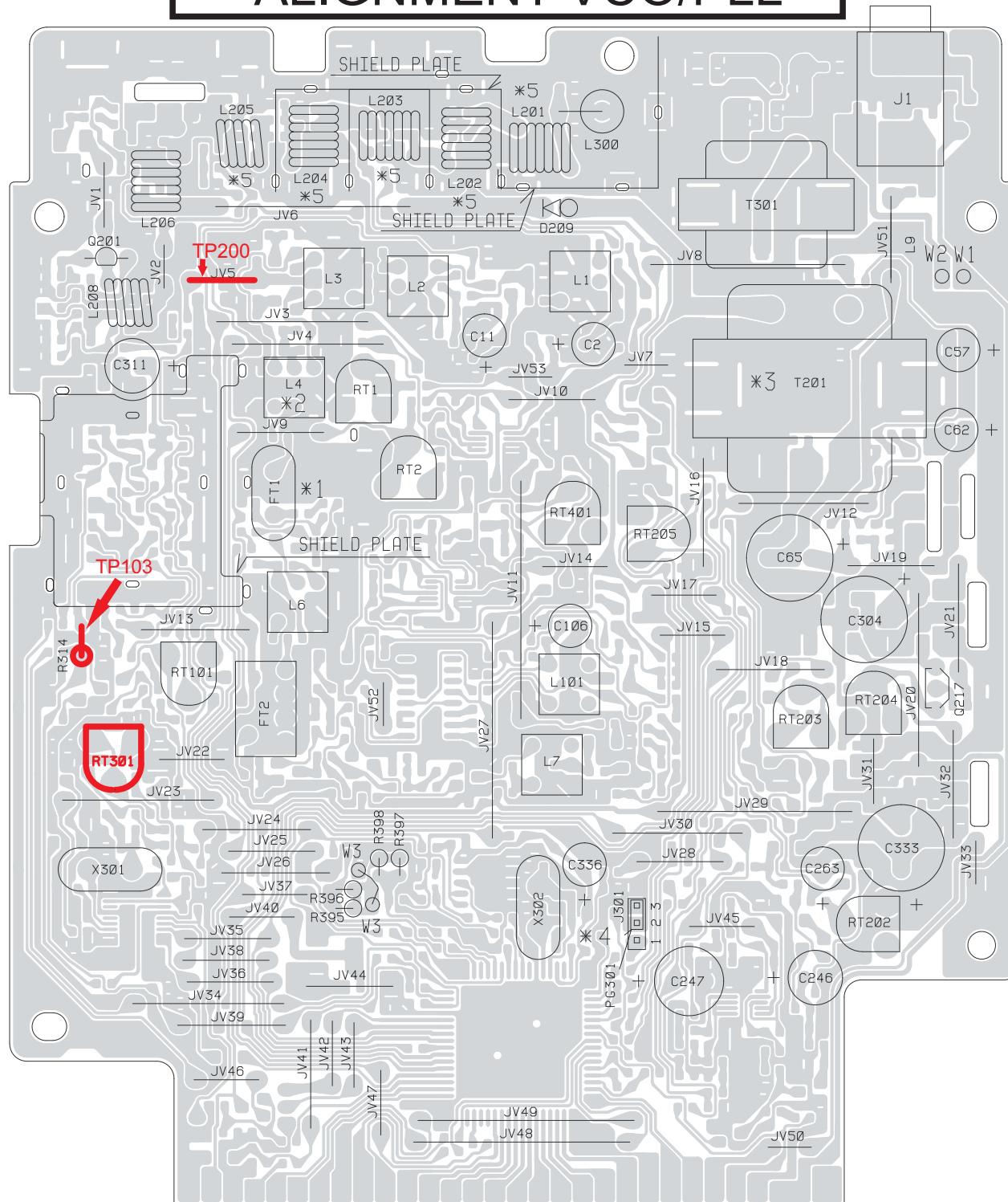
Frequency 1 KHz 30mV.

## ALIGNMENT VCO/PLL

### 1 - Alignment procedure(13,2V;configuration”EU,E,d”)

| STEP | CONDITION                                                     | ADJUSTMENT | REMARKS OF ADJUSTMENT                                                                                                                                                                |
|------|---------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | AM/FM(EU,E)<br>RX mode<br>Channel 20                          | RT301      | Connect a frequency counter to TP200,and adjust RT301 to reach 37,900MHz.                                                                                                            |
| 2    | AM/FM(EU,E)<br>TX/RX mode<br>Channel 40                       |            | Connect a voltmeter to TP 103,and check:<br>$2,2V \pm 0,1V \leq T_x \text{ Channel } 40 \leq 3,2V \pm 0,1V$<br>$2,5V \pm 0,1V \leq R_x \text{ Channel } 40 \leq 3,5V \pm 0,1V$       |
| 3    | AM/FM(EU,E)<br>TX/RX mode<br>Channel 1                        |            | Connect a voltmeter to TP 103,and check:<br>$T_x \text{ Channel } 1 = T_x \text{ Channel } 40 - 0,3V \pm 0,1V$<br>$R_x \text{ Channel } 1 = R_x \text{ Channel } 40 - 0,3V \pm 0,1V$ |
| 4    | AM/FM(EU,E)<br>TX/RX mode<br>Channel 1 to 40<br>or 1 to 80(d) |            | Connect a frequency counter to TP200,and check frequencies.                                                                                                                          |

## ALIGNMENT VCO/PLL



**- FREQUENCY LIST (EU,E,EC)**

| CH | Channels<br>Frequencies<br>(MHz) | VCO<br>Frequencies<br>(MHz) |
|----|----------------------------------|-----------------------------|
| 1  | 26,965                           | 37,660                      |
| 2  | 26,975                           | 37,670                      |
| 3  | 26,985                           | 37,680                      |
| 4  | 27,005                           | 37,700                      |
| 5  | 27,015                           | 37,710                      |
| 6  | 27,025                           | 37,720                      |
| 7  | 27,035                           | 37,730                      |
| 8  | 27,055                           | 37,750                      |
| 9  | 27,065                           | 37,760                      |
| 10 | 27,075                           | 37,770                      |
| 11 | 27,085                           | 37,780                      |
| 12 | 27,105                           | 37,800                      |
| 13 | 27,115                           | 37,810                      |
| 14 | 27,125                           | 37,820                      |
| 15 | 27,135                           | 37,830                      |
| 16 | 27,155                           | 37,850                      |
| 17 | 27,165                           | 37,860                      |
| 18 | 27,175                           | 37,870                      |
| 19 | 27,185                           | 37,880                      |
| 20 | 27,205                           | 37,900                      |
| 21 | 27,215                           | 37,910                      |
| 22 | 27,225                           | 37,930                      |
| 23 | 27,255                           | 37,950                      |
| 24 | 27,235                           | 37,930                      |
| 25 | 27,245                           | 37,940                      |
| 26 | 27,265                           | 37,960                      |
| 27 | 27,275                           | 37,970                      |
| 28 | 27,285                           | 37,980                      |
| 29 | 27,295                           | 37,990                      |
| 30 | 27,305                           | 38,000                      |
| 31 | 27,315                           | 38,010                      |
| 32 | 27,325                           | 38,020                      |
| 33 | 27,335                           | 38,030                      |
| 34 | 27,345                           | 38,040                      |
| 35 | 27,355                           | 38,050                      |
| 36 | 27,365                           | 38,060                      |
| 37 | 27,375                           | 38,070                      |
| 38 | 27,385                           | 38,080                      |
| 39 | 27,395                           | 38,090                      |
| 40 | 27,405                           | 38,100                      |

**- FREQUENCY LIST (PL)**

| CH | Channels<br>Frequencies<br>(MHz) | VCO<br>Frequencies<br>(MHz) |
|----|----------------------------------|-----------------------------|
| 1  | 26,960                           | 37,655                      |
| 2  | 26,970                           | 37,665                      |
| 3  | 26,980                           | 37,675                      |
| 4  | 27,000                           | 37,695                      |
| 5  | 27,010                           | 37,705                      |
| 6  | 27,020                           | 37,715                      |
| 7  | 27,030                           | 37,725                      |
| 8  | 27,050                           | 37,745                      |
| 9  | 27,060                           | 37,755                      |
| 10 | 27,070                           | 37,765                      |
| 11 | 27,080                           | 37,775                      |
| 12 | 27,100                           | 37,795                      |
| 13 | 27,110                           | 37,805                      |
| 14 | 27,120                           | 37,815                      |
| 15 | 27,130                           | 37,825                      |
| 16 | 27,150                           | 37,845                      |
| 17 | 27,160                           | 37,855                      |
| 18 | 27,170                           | 37,865                      |
| 19 | 27,180                           | 37,875                      |
| 20 | 27,200                           | 37,895                      |
| 21 | 27,210                           | 37,905                      |
| 22 | 27,220                           | 37,915                      |
| 23 | 27,250                           | 37,945                      |
| 24 | 27,230                           | 37,925                      |
| 25 | 27,240                           | 37,935                      |
| 26 | 27,260                           | 37,955                      |
| 27 | 27,270                           | 37,965                      |
| 28 | 27,280                           | 37,975                      |
| 29 | 27,290                           | 37,985                      |
| 30 | 27,300                           | 37,995                      |
| 31 | 27,310                           | 38,005                      |
| 32 | 27,320                           | 38,015                      |
| 33 | 27,330                           | 38,025                      |
| 34 | 27,340                           | 38,035                      |
| 35 | 27,350                           | 38,045                      |
| 36 | 27,360                           | 38,055                      |
| 37 | 27,370                           | 38,065                      |
| 38 | 27,380                           | 38,075                      |
| 39 | 27,390                           | 38,085                      |
| 40 | 27,400                           | 38,095                      |



**- FREQUENCY LIST (U)**

| CH<br>CEPT | Channels<br>Frequencies<br>(MHz) | VCO<br>Frequencies<br>(MHz) |
|------------|----------------------------------|-----------------------------|
| 1          | 26,965                           | 37,660                      |
| 2          | 26,975                           | 37,670                      |
| 3          | 26,985                           | 37,680                      |
| 4          | 27,005                           | 37,700                      |
| 5          | 27,015                           | 37,710                      |
| 6          | 27,025                           | 37,720                      |
| 7          | 27,035                           | 37,730                      |
| 8          | 27,055                           | 37,750                      |
| 9          | 27,065                           | 37,760                      |
| 10         | 27,075                           | 37,770                      |
| 11         | 27,085                           | 37,780                      |
| 12         | 27,105                           | 37,800                      |
| 13         | 27,115                           | 37,810                      |
| 14         | 27,125                           | 37,820                      |
| 15         | 27,135                           | 37,830                      |
| 16         | 27,155                           | 37,850                      |
| 17         | 27,165                           | 37,860                      |
| 18         | 27,175                           | 37,870                      |
| 19         | 27,185                           | 37,880                      |
| 20         | 27,205                           | 37,900                      |
| 21         | 27,215                           | 37,910                      |
| 22         | 27,225                           | 37,930                      |
| 23         | 27,255                           | 37,950                      |
| 24         | 27,235                           | 37,930                      |
| 25         | 27,245                           | 37,940                      |
| 26         | 27,265                           | 37,960                      |
| 27         | 27,275                           | 37,970                      |
| 28         | 27,285                           | 37,980                      |
| 29         | 27,295                           | 37,990                      |
| 30         | 27,305                           | 38,000                      |
| 31         | 27,315                           | 38,010                      |
| 32         | 27,325                           | 38,020                      |
| 33         | 27,335                           | 38,030                      |
| 34         | 27,345                           | 38,040                      |
| 35         | 27,355                           | 38,050                      |
| 36         | 27,365                           | 38,060                      |
| 37         | 27,375                           | 38,070                      |
| 38         | 27,385                           | 38,080                      |
| 39         | 27,395                           | 38,090                      |
| 40         | 27,405                           | 38,100                      |

**- FREQUENCY LIST (U)**

| CH<br>UK | Channels<br>Frequencies<br>(MHz) | VCO<br>Frequencies<br>(MHz) |
|----------|----------------------------------|-----------------------------|
| 1        | 27,60125                         | 38,29625                    |
| 2        | 27,61125                         | 38,30625                    |
| 3        | 27,62125                         | 38,31625                    |
| 4        | 27,63125                         | 38,32625                    |
| 5        | 27,64125                         | 38,33625                    |
| 6        | 27,65125                         | 38,34625                    |
| 7        | 27,66125                         | 38,35625                    |
| 8        | 27,67125                         | 38,36625                    |
| 9        | 27,68125                         | 38,37625                    |
| 10       | 27,69125                         | 38,38625                    |
| 11       | 27,70125                         | 38,39625                    |
| 12       | 27,71125                         | 38,40625                    |
| 13       | 27,72125                         | 38,41625                    |
| 14       | 27,73125                         | 38,42625                    |
| 15       | 27,74125                         | 38,43625                    |
| 16       | 27,75125                         | 38,44625                    |
| 17       | 27,76125                         | 38,45625                    |
| 18       | 27,77125                         | 38,46625                    |
| 19       | 27,78125                         | 38,47625                    |
| 20       | 27,79125                         | 38,48625                    |
| 21       | 27,80125                         | 38,49625                    |
| 22       | 27,81125                         | 38,50625                    |
| 23       | 27,82125                         | 38,51625                    |
| 24       | 27,83125                         | 38,52625                    |
| 25       | 27,84125                         | 38,53625                    |
| 26       | 27,85125                         | 38,54625                    |
| 27       | 27,86125                         | 38,55625                    |
| 28       | 27,87125                         | 38,56625                    |
| 29       | 27,88125                         | 38,57625                    |
| 30       | 27,89125                         | 38,58625                    |
| 31       | 27,90125                         | 38,59625                    |
| 32       | 27,91125                         | 38,60625                    |
| 33       | 27,92125                         | 38,61625                    |
| 34       | 27,93125                         | 38,62625                    |
| 35       | 27,94125                         | 38,63625                    |
| 36       | 27,95125                         | 38,64625                    |
| 37       | 27,96125                         | 38,65625                    |
| 38       | 27,97125                         | 38,66625                    |
| 39       | 27,98125                         | 38,67625                    |
| 40       | 27,99125                         | 38,68625                    |

**- FREQUENCY LIST (d)**

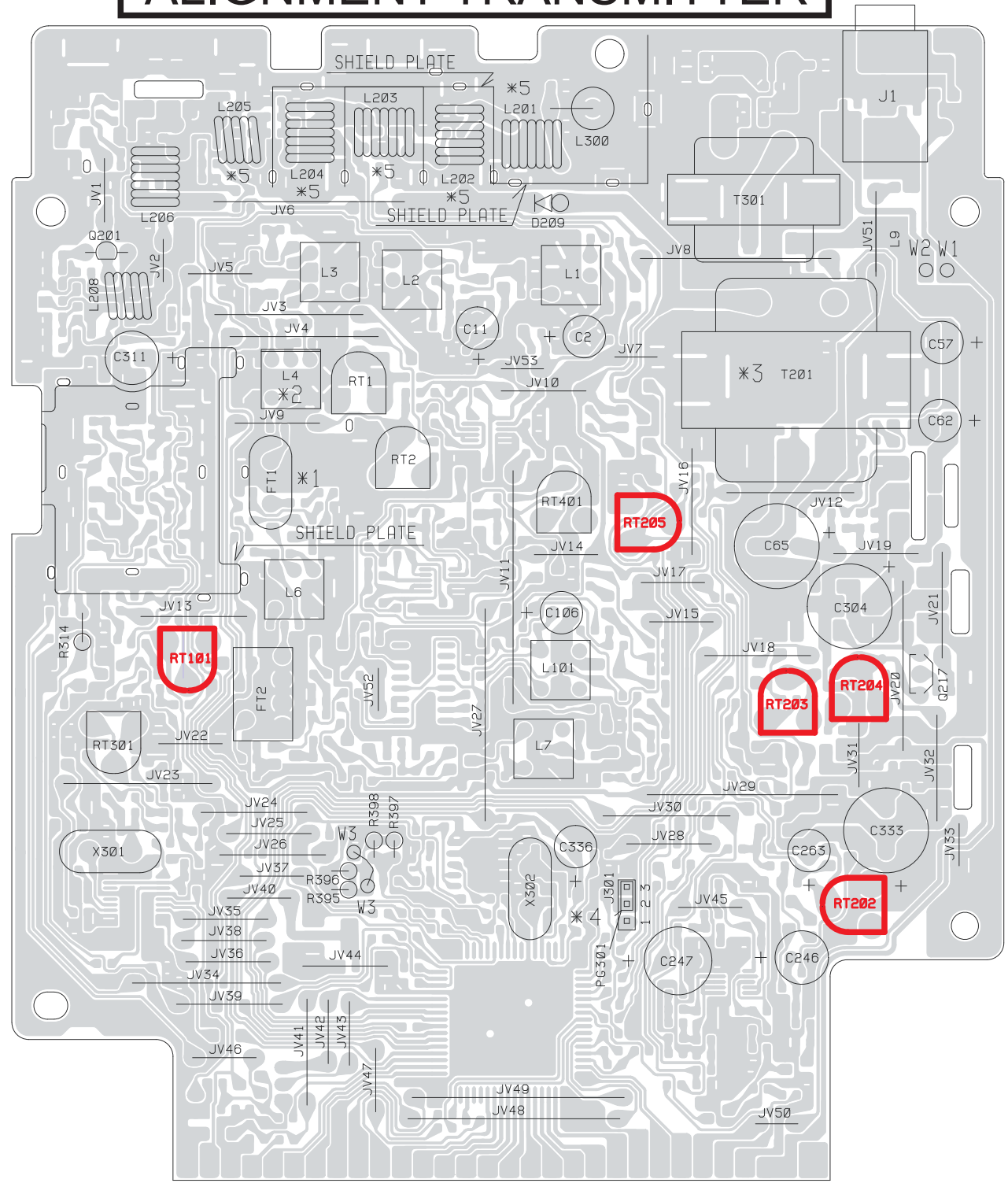
| CH | Channels             | VCO                  | CH | Channels             | VCO                  |
|----|----------------------|----------------------|----|----------------------|----------------------|
| D  | Frequencies<br>(MHz) | Frequencies<br>(MHz) | D  | Frequencies<br>(MHz) | Frequencies<br>(MHz) |
| 1  | 26,965               | 37,660               | 41 | 26,565               | 37,260               |
| 2  | 26,975               | 37,670               | 42 | 26,575               | 37,270               |
| 3  | 26,985               | 37,680               | 43 | 26,585               | 37,280               |
| 4  | 27,005               | 37,70                | 44 | 26,595               | 37,290               |
| 5  | 27,015               | 37,710               | 45 | 26,605               | 37,300               |
| 6  | 27,025               | 37,720               | 46 | 26,615               | 37,310               |
| 7  | 27,035               | 37,730               | 47 | 26,625               | 37,320               |
| 8  | 27,055               | 37,750               | 48 | 26,635               | 37,330               |
| 9  | 27,065               | 37,760               | 49 | 26,645               | 37,340               |
| 10 | 27,075               | 37,770               | 50 | 26,655               | 37,350               |
| 11 | 27,085               | 37,780               | 51 | 26,665               | 37,360               |
| 12 | 27,105               | 37,800               | 52 | 26,675               | 37,370               |
| 13 | 27,115               | 37,810               | 53 | 26,685               | 37,380               |
| 14 | 27,125               | 37,820               | 54 | 26,695               | 37,390               |
| 15 | 27,135               | 37,830               | 55 | 26,705               | 37,400               |
| 16 | 27,155               | 37,850               | 56 | 26,715               | 37,410               |
| 17 | 27,165               | 37,860               | 57 | 26,725               | 37,420               |
| 18 | 27,175               | 37,870               | 58 | 26,735               | 37,430               |
| 19 | 27,185               | 37,880               | 59 | 26,745               | 37,440               |
| 20 | 27,205               | 37,900               | 60 | 26,755               | 37,450               |
| 21 | 27,215               | 37,910               | 61 | 26,765               | 37,460               |
| 22 | 27,225               | 37,930               | 62 | 26,775               | 37,470               |
| 23 | 27,255               | 37,950               | 63 | 26,785               | 37,480               |
| 24 | 27,235               | 37,930               | 64 | 26,795               | 37,490               |
| 25 | 27,245               | 37,940               | 65 | 26,805               | 37,500               |
| 26 | 27,265               | 37,960               | 66 | 26,815               | 37,510               |
| 27 | 27,275               | 37,970               | 67 | 26,825               | 37,520               |
| 28 | 27,285               | 37,980               | 68 | 26,835               | 37,530               |
| 29 | 27,295               | 37,990               | 69 | 26,845               | 37,540               |
| 30 | 27,305               | 38,000               | 70 | 26,855               | 37,550               |
| 31 | 27,315               | 38,010               | 71 | 26,865               | 37,560               |
| 32 | 27,325               | 38,020               | 72 | 26,875               | 37,570               |
| 33 | 27,335               | 38,030               | 73 | 26,885               | 37,580               |
| 34 | 27,345               | 38,040               | 74 | 26,895               | 37,590               |
| 35 | 27,355               | 38,050               | 75 | 26,905               | 37,600               |
| 36 | 27,365               | 38,060               | 76 | 26,915               | 37,610               |
| 37 | 27,375               | 38,070               | 77 | 26,925               | 37,620               |
| 38 | 27,385               | 38,080               | 78 | 26,935               | 37,630               |
| 39 | 27,395               | 38,090               | 79 | 26,945               | 37,640               |
| 40 | 27,405               | 38,100               | 80 | 26,955               | 37,650               |

# ALIGNMENT TRANSMITTER

## 1 - Alignment procedure(13,2V;configuration"EU,E")

| STEP | CONDITION                               | ADJUSTMENT  | REMARKS OF ADJUSTMENT                                                                                                                                                 |
|------|-----------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | AM(EU)TX<br>Channel 20                  | RT203       | Connect a wattmeter to jack antenna, adjust RT203 to reach 1W on the wattmeter.                                                                                       |
| 2    | FM(EU)TX<br>Channel 20                  | RT204       | Connect a wattmeter to jack antenna, adjust RT204 to reach 4W on the wattmeter.                                                                                       |
| 3    | Same as 1                               |             | Connect a dummy load to jack antenna. Check that the "RF meter" display S1                                                                                            |
| 4    | Same as 2                               |             | Connect a dummy load to jack antenna. Check that the "RF meter" display S9                                                                                            |
| 5    | FM(EU)TX<br>Mod<br>30 mV 1 KHz<br>CH 20 | RT101       | Adjust RT101 reach $\pm 1,2$ KHz of deviation.                                                                                                                        |
| 6    | AM(E)TX<br>Mod<br>30 mV 1 KHz<br>CH 20  | RT202/RT205 | First: Adjust RT202 and RT205 to the maximum of modulation, then adjust RT205 to reach $\pm 90\%$ of modulation, then adjust RT202 to reach $\pm 85\%$ of modulation. |

# ALIGNMENT TRANSMITTER

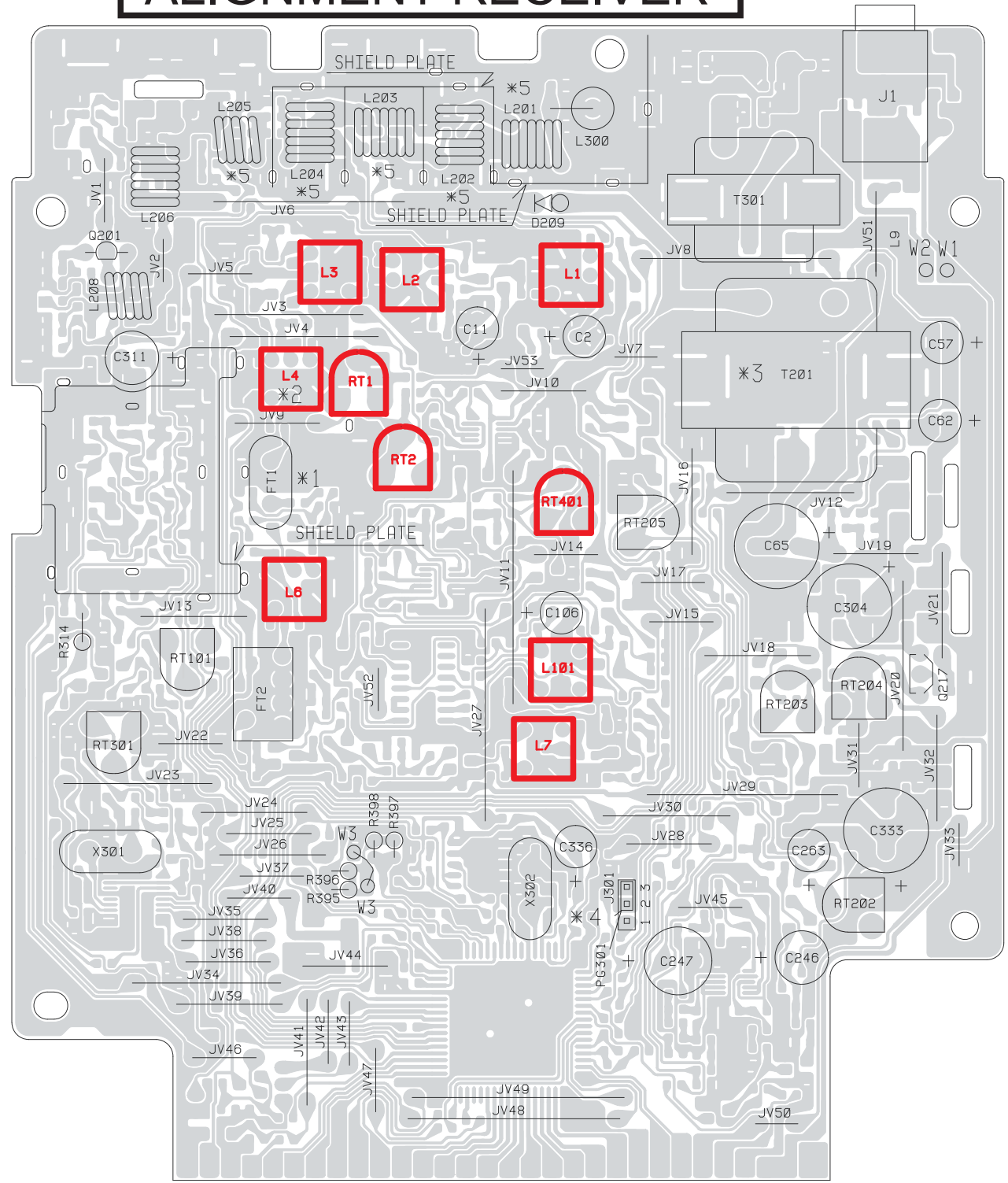


# ALIGNMENT RECEIVER

## 1 - Alignment procedure(13,2V;configuration"EU,E")

| STEP | CONDITION                                                                               | ADJUSTMENT           | REMARKS OF ADJUSTMENT                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | AM(EU,E)<br>Channel 20<br>Middle volume level.<br>No squelch active                     | L1-L2-L3<br>L4-L6-L7 | Connect HF generator to jack antenna adjusted at ( -107dBm 1KHz 60%), connect sinad meter to jack EXT speaker and adjust coils for maximum sensitivity( $\geq 20\text{dB}$ sinad).                                |
| 2    | FM(EU,E)<br>Channel 20<br>Middle volume level<br>No squelch active                      | L 101                | Connect HF generator to jack antenna adjusted at ( -107dBm 1KHz 1,2KHz Dev),connect sinad meter to jack EXT speaker and adjust L101for maximum sensitivity( $\geq 20\text{dB}$ sinad).                            |
| 3    | AM(EU,E)<br>Channel 20<br>Middle volume level<br>No squelch active                      | RT1(S-METER)         | Connect HF generator to jack antenna adjusted at ( -67dBm 1KHz 60%) and adjust RT1 so that the "S meter" display S9.                                                                                              |
| 4    | AM(EU,E)<br>Channel 20<br>Middle volume level<br>Squelch maximum clockwise              | RT2(SQ)              | Connect HF generator to jack antenna adjusted at ( -47dBm 1KHz 60%) and adjust RT2 so that the signal is audible .                                                                                                |
| 5    | AM(EU,E)<br>Channel 20<br>Middle volume level<br>Squelch maximum counterclockwise (ASC) | RT401(ASC)           | Connect HF generator to jack antenna. Connect sinad meter to jack EXT speaker, adjust the ouput level of HF generator and check that the opening ASC sinad is $20\text{dB} \pm 2\text{dB}$ . If not adjust RT401. |

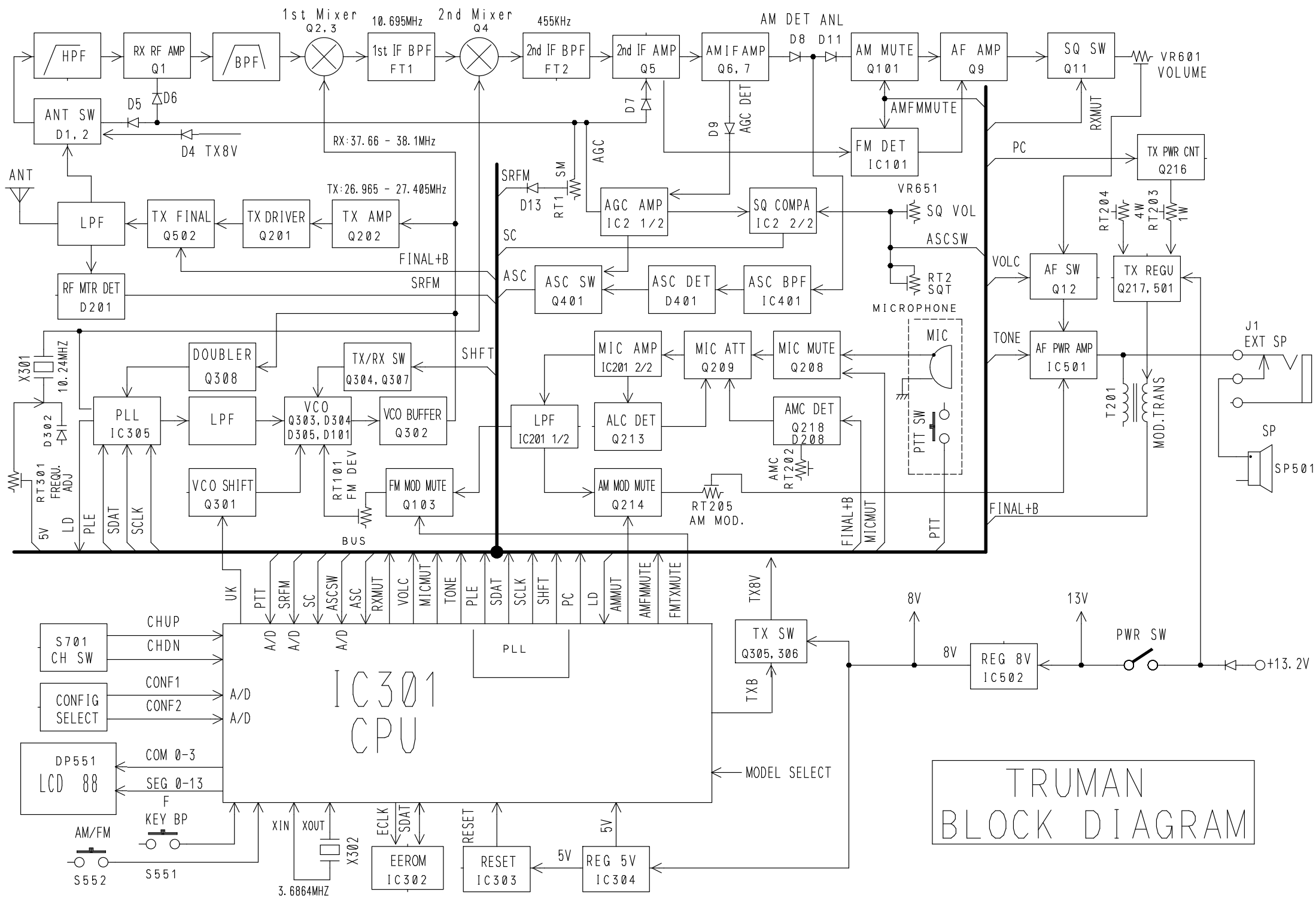
# ALIGNMENT RECEIVER



**TRUMAN**

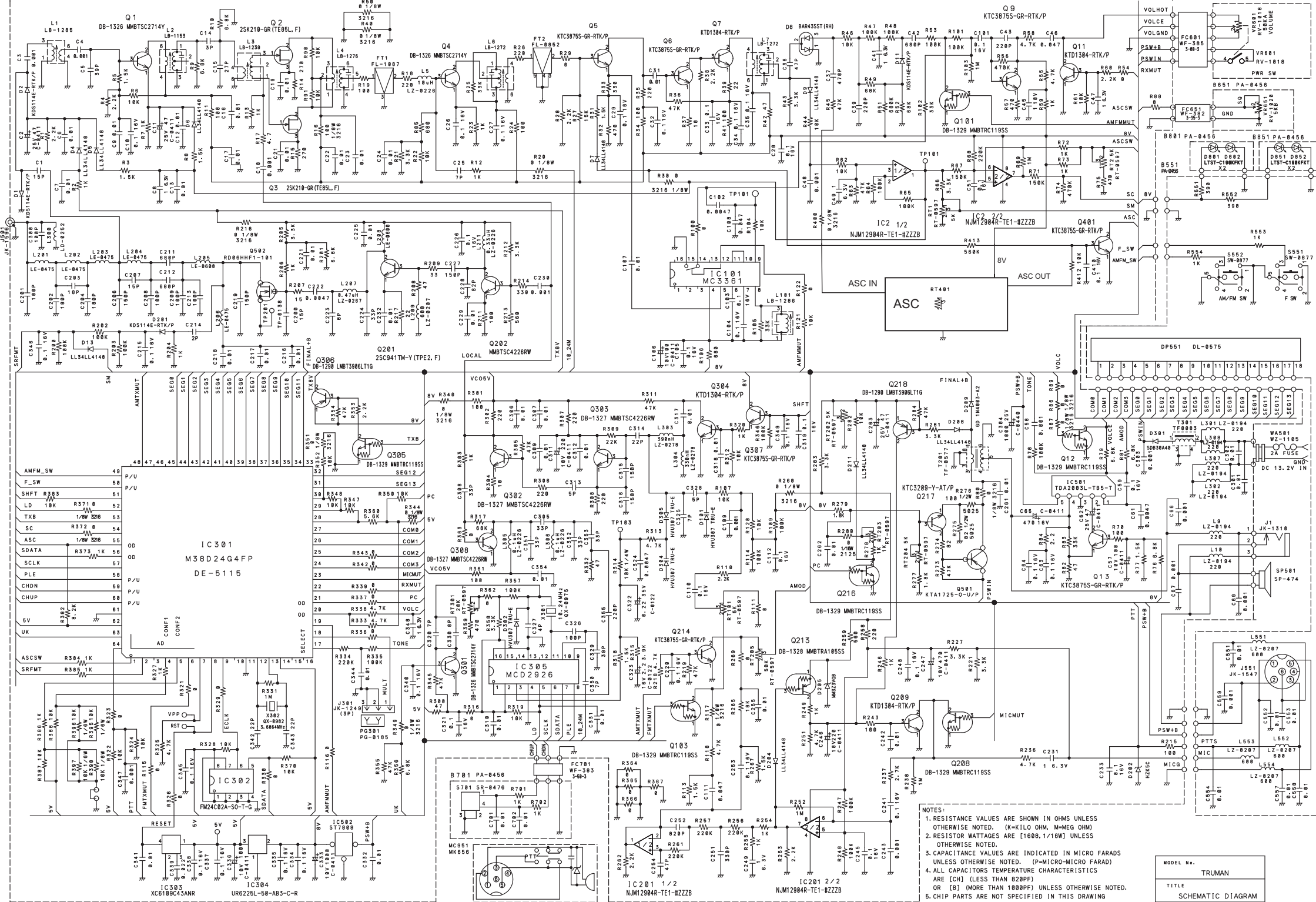
**BLOC DIAGRAM**





**TRUMAN**

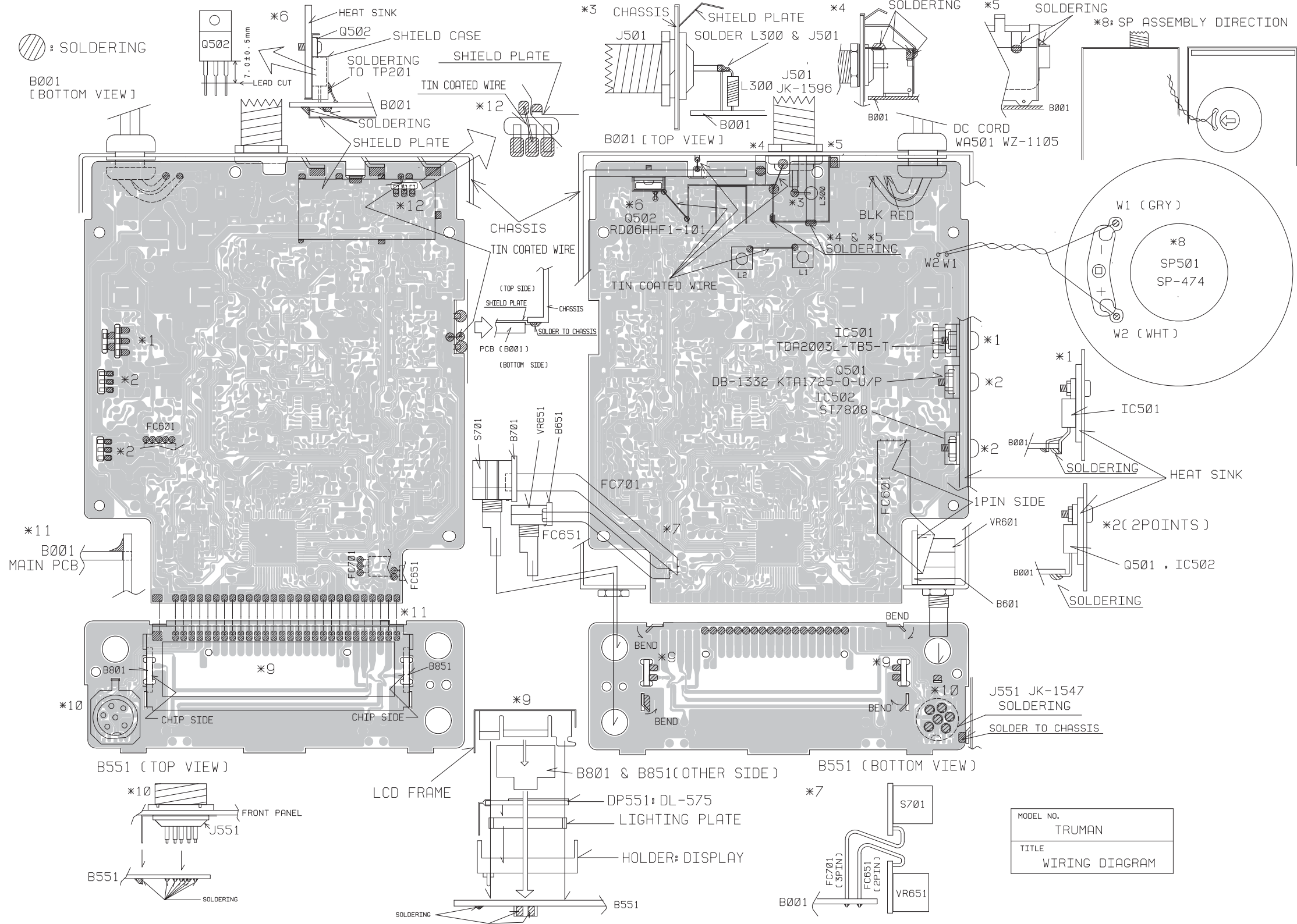
**SCHEMATIC DIAGRAM**



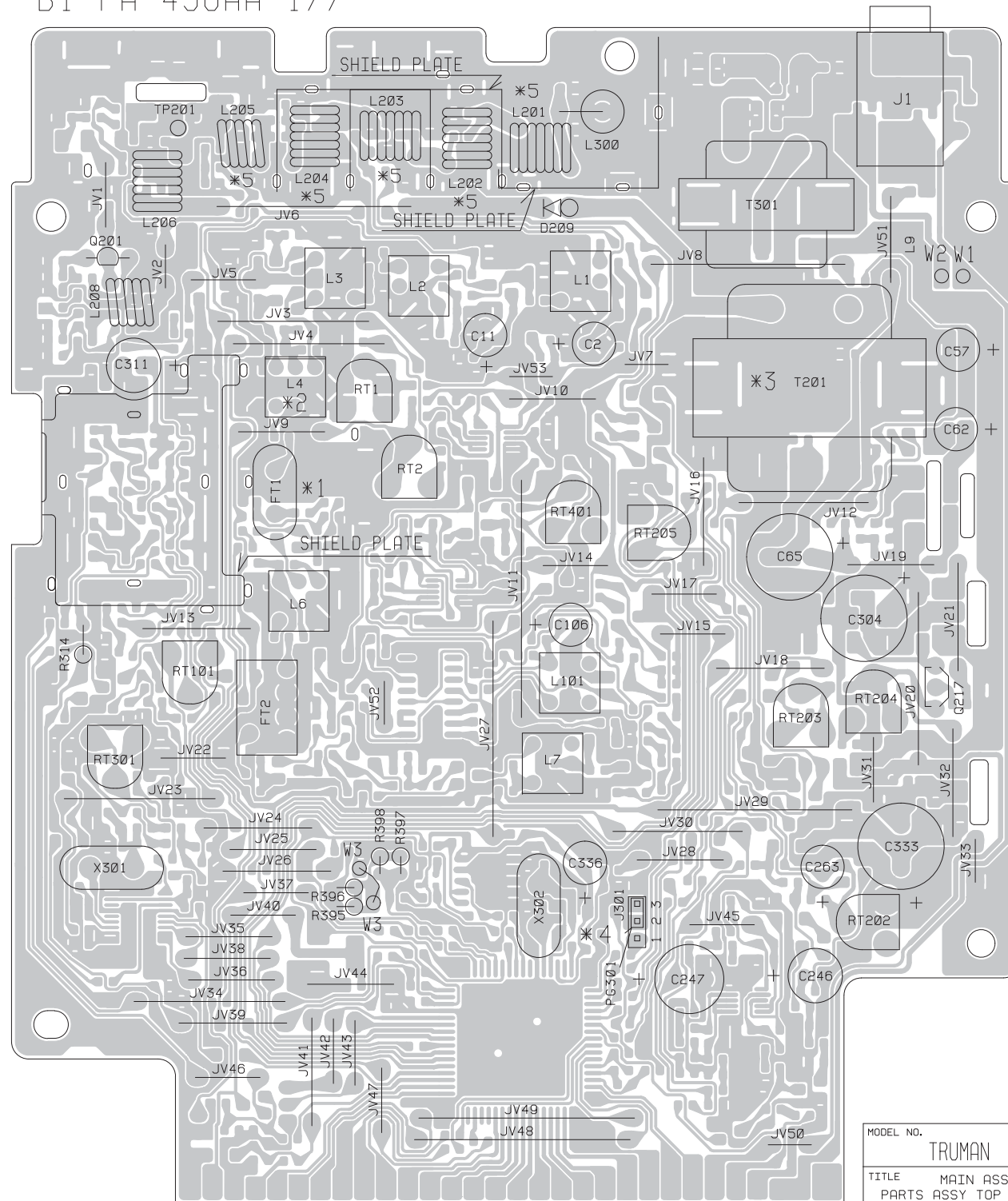
**TRUMAN**

**COMPONENT LAYOUT**

B001  
[ BOTTOM VIEW ]



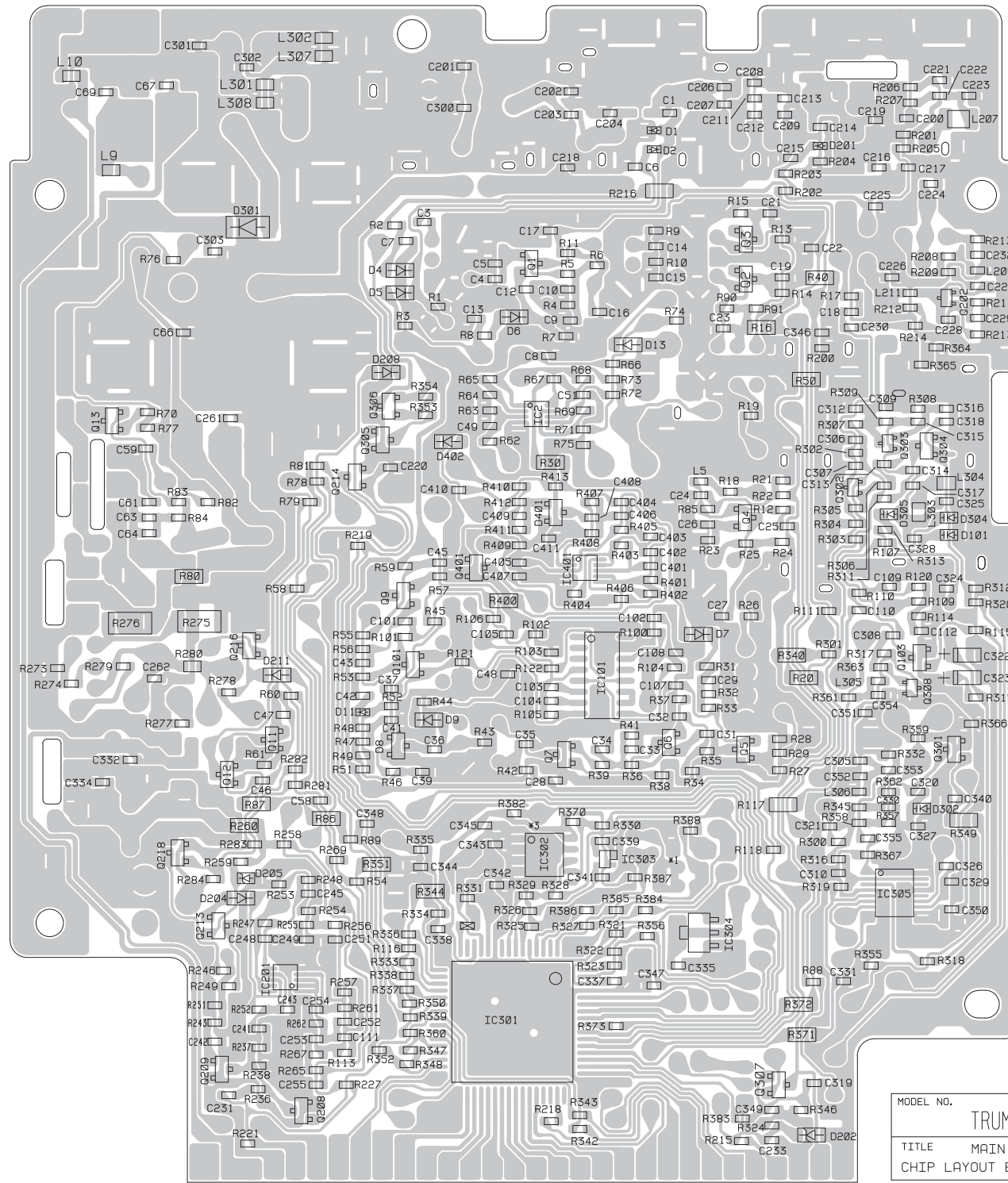
(MAIN PCB TOP VIEW)  
B1 PA-456AA 1/7



|           |                     |
|-----------|---------------------|
| MODEL NO. | TRUMAN              |
| TITLE     | MAIN ASSY           |
|           | PARTS ASSY TOP VIEW |



(MAIN PCB BOTTOM VIEW)  
B1 PA-456AA 1/7



|                         |           |
|-------------------------|-----------|
| MODEL NO.               | TRUMAN    |
| TITLE                   | MAIN ASSY |
| CHIP LAYOUT BOTTOM VIEW |           |

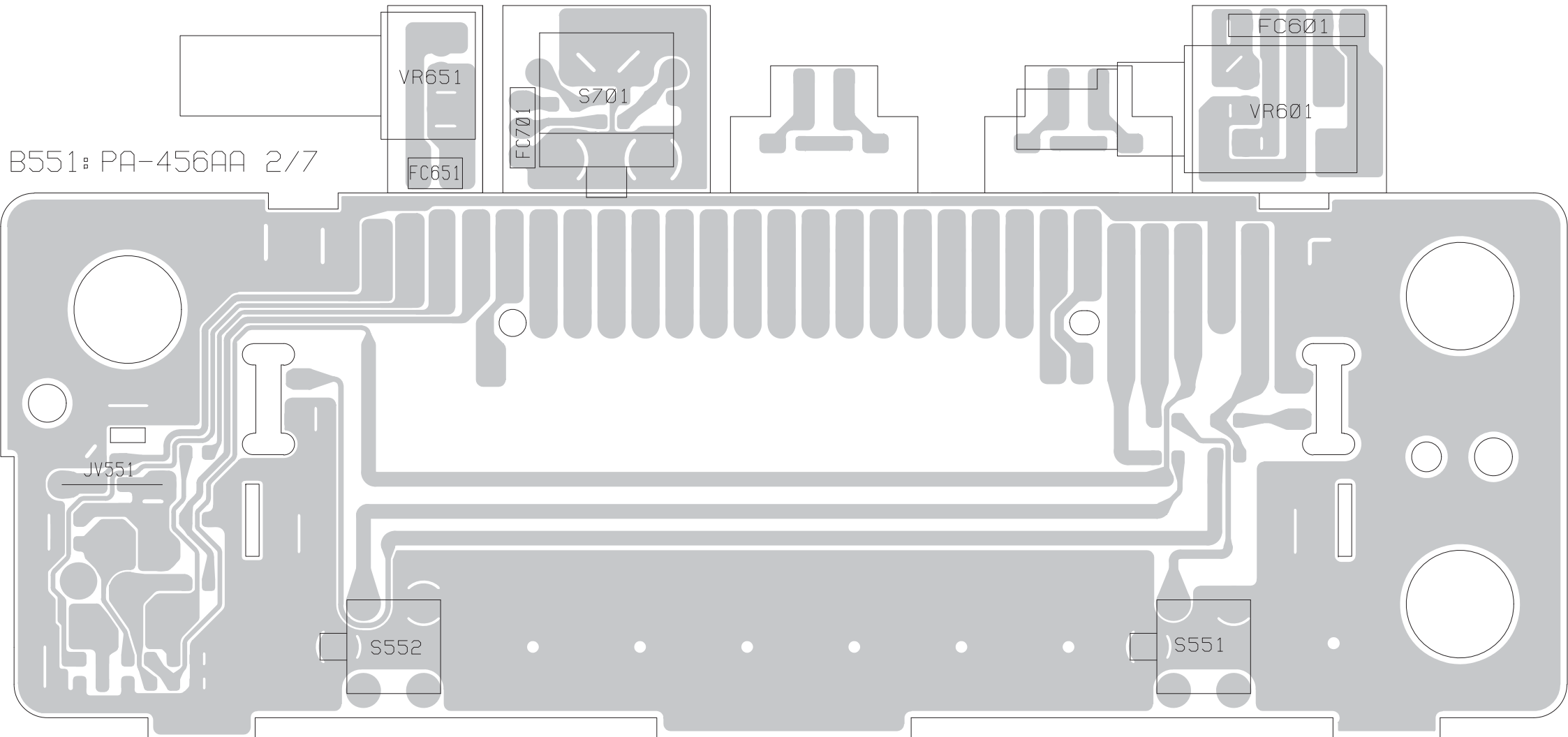
[ TOP VIEW ]

B651: PA-456AA 4/7

B701: PA-456AA 5/7

B601: PA-456AA 3/7

B551: PA-456AA 2/7



|           |                                            |
|-----------|--------------------------------------------|
| MODEL NO. | TRUMAN                                     |
| TITLE     | FRONT/VOL/SQ/CH SW<br>PARTS ASS'Y TOP VIEW |



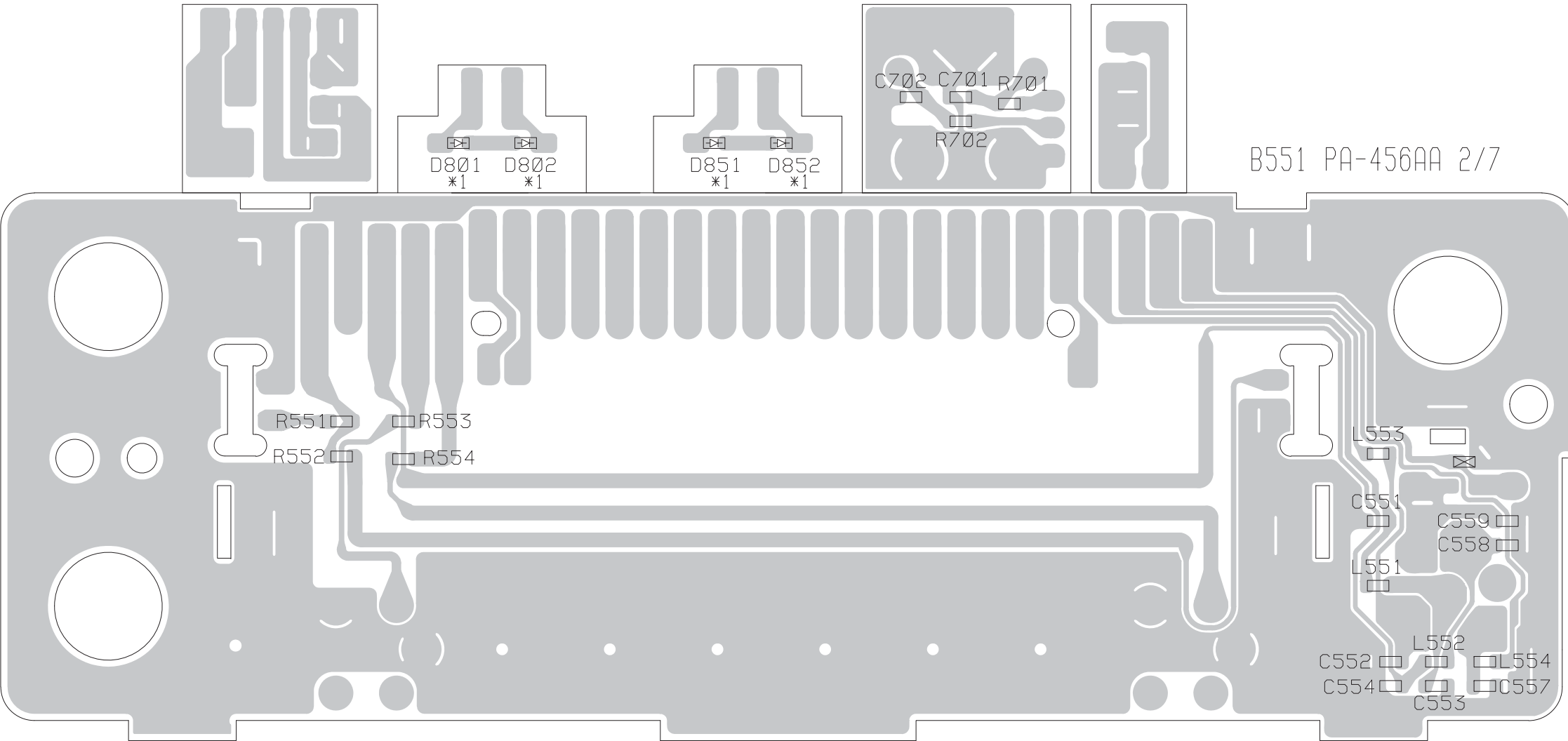
# ( BOTTOM VIEW )

B801 PA-456AA 6/7

B851 PA-456AA 7/7

B701 PA-456AA 5/7

B551 PA-456AA 2/7



MODEL NO.

TRUMAN

TITLE FRONT/CH SW/LED L/LED R  
CHIP LAYOUT BOTTOM VIEW

**TRUMAN**

**COMPONENTS LIST**

# COMPONENTS LIST

## TRUMAN INQUIRY BOM

| ASSY CODE  | PARTS CODE  | DESCRIPTION               | SPEC               | REF NO |
|------------|-------------|---------------------------|--------------------|--------|
| AT384ZKBAE | BCHL111016G | C:ELECTROLYTIC            | 100UF 10V M C-411  | C057   |
| AT384ZKBAE | BCHL111016G | C:ELECTROLYTIC            | 100UF 10V M C-411  | C106   |
| AT384ZKBAE | BCHL111016G | C:ELECTROLYTIC            | 100UF 10V M C-411  | C336   |
| AT384ZKBAE | BCHL111026G | C:ELECTROLYTIC            | 1000UF 10V M C-411 | C333   |
| AT384ZKBAE | BCHL112216G | C:ELECTROLYTIC            | 220UF 10V M C-411  | C246   |
| AT384ZKBAE | BCHL112216G | C:ELECTROLYTIC            | 220UF 10V M C-411  | C311   |
| AT384ZKBAE | BCHL114716G | C:ELECTROLYTIC            | 470UF 10V M C-411  | C247   |
| AT384ZKBAE | BCHL314716G | C:ELECTROLYTIC            | 470UF 16V M C-411  | C065   |
| AT384ZKBAE | BCHL514706G | C:ELECTROLYTIC            | 47UF 25V M C-411   | C002   |
| AT384ZKBAE | BCHL514706G | C:ELECTROLYTIC            | 47UF 25V M C-411   | C011   |
| AT384ZKBAE | BCHL514706G | C:ELECTROLYTIC            | 47UF 25V M C-411   | C062   |
| AT384ZKBAE | BCHL514706G | C:ELECTROLYTIC            | 47UF 25V M C-411   | C263   |
| AT384ZKBAE | BCJW511026G | C:ELECTROLYTIC            | 1000UF 25V M C-440 | C304   |
| AT384ZKBAE | BCML111055G | C:CERAMIC M/L (1608) TAPE | 1UF 10V K B        | C045   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C010   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C026   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C027   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C028   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C029   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C032   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C033   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C034   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C035   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C051   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C059   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C063   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C064   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C101   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C103   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C104   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C105   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C110   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C112   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C215   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C220   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C226   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C233   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C241   |
| AT384ZKBAE | BCML311045G | C:CERAMIC M/L (1608) TAPE | 0.1UF 16V K B      | C245   |

[illegible]

|            |             |                           |                  |      |
|------------|-------------|---------------------------|------------------|------|
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C217 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C218 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C221 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C225 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C229 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C232 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C242 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C255 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C261 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C262 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C301 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C302 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C306 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C307 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C309 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C310 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C312 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C317 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C318 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C331 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C332 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C341 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C344 |
| AT384ZKBAE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B   | C354 |
| AT384ZKBAE | BCML812235G | C:CERAMIC M/L (1608) TAPE | 0.022UF 50V K B  | C339 |
| AT384ZKBAE | BCML814725G | C:CERAMIC M/L (1608) TAPE | 0.0047UF 50V K B | C061 |
| AT384ZKBAE | BCML814725G | C:CERAMIC M/L (1608) TAPE | 0.0047UF 50V K B | C102 |
| AT384ZKBAE | BCML814725G | C:CERAMIC M/L (1608) TAPE | 0.0047UF 50V K B | C222 |
| AT384ZKBAE | BCML814725G | C:CERAMIC M/L (1608) TAPE | 0.0047UF 50V K B | C324 |
| AT384ZKBAE | BCML814735G | C:CERAMIC M/L (1608) TAPE | 0.047UF 50V K B  | C046 |
| AT384ZKBAE | BCML814735G | C:CERAMIC M/L (1608) TAPE | 0.047UF 50V K B  | C108 |
| AT384ZKBAE | BCML814735G | C:CERAMIC M/L (1608) TAPE | 0.047UF 50V K B  | C111 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C008 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C041 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C047 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C049 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C231 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C249 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C348 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C409 |
| AT384ZKBAE | BCML901055G | C:CERAMIC M/L (1608) TAPE | 1UF 6.3V K B     | C411 |
| AT384ZKBAE | BCMM811014G | C:CERAMIC M/L (1608) TAPE | 100PF 50V J CH   | C201 |
| AT384ZKBAE | BCMM811014G | C:CERAMIC M/L (1608) TAPE | 100PF 50V J CH   | C208 |
| AT384ZKBAE | BCMM811014G | C:CERAMIC M/L (1608) TAPE | 100PF 50V J CH   | C209 |

|            |             |                            |                |      |
|------------|-------------|----------------------------|----------------|------|
| AT384ZKBAE | BCMM811014G | C:CERAMIC M/L (1608) TAPE  | 100PF 50V J CH | C213 |
| AT384ZKBAE | BCMM811014G | C:CERAMIC M/L (1608) TAPE  | 100PF 50V J CH | C300 |
| AT384ZKBAE | BCMM811014G | C:CERAMIC M/L (1608) TAPE  | 100PF 50V J CH | C326 |
| AT384ZKBAE | BCMM811504G | C:CERAMIC M/L (1608) TAPE  | 15PF 50V J CH  | C001 |
| AT384ZKBAE | BCMM811504G | C:CERAMIC M/L (1608) TAPE  | 15PF 50V J CH  | C200 |
| AT384ZKBAE | BCMM811504G | C:CERAMIC M/L (1608) TAPE  | 15PF 50V J CH  | C207 |
| AT384ZKBAE | BCMM811514G | C:CERAMIC M/L (1608) TAPE  | 150PF 50V J CH | C206 |
| AT384ZKBAE | BCMM811514G | C:CERAMIC M/L (1608) TAPE  | 150PF 50V J CH | C219 |
| AT384ZKBAE | BCMM811514G | C:CERAMIC M/L (1608) TAPE  | 150PF 50V J CH | C227 |
| AT384ZKBAE | BCMM811514G | C:CERAMIC M/L (1608) TAPE  | 150PF 50V J CH | C315 |
| AT384ZKBAE | BCMM811514G | C:CERAMIC M/L (1608) TAPE  | 150PF 50V J CH | C316 |
| AT384ZKBAE | BCMM811804G | C:CERAMIC M/L (1608) TAPE  | 18PF 50V J CH  | C203 |
| AT384ZKBAE | BCMM811814G | C:CERAMIC M/L (1608) TAPE  | 180PF 50V J CH | C202 |
| AT384ZKBAE | BCMM811814G | C:CERAMIC M/L (1608) TAPE  | 180PF 50V J CH | C204 |
| AT384ZKBAE | BCMM812098G | C: CERAMIC M/L (1608) TAPE | 2PF 50V B CH   | C214 |
| AT384ZKBAE | BCMM812204G | C:CERAMIC M/L (1608) TAPE  | 22PF 50V J CH  | C314 |
| AT384ZKBAE | BCMM812204G | C:CERAMIC M/L (1608) TAPE  | 22PF 50V J CH  | C342 |
| AT384ZKBAE | BCMM812204G | C:CERAMIC M/L (1608) TAPE  | 22PF 50V J CH  | C343 |
| AT384ZKBAE | BCMM812214G | C:CERAMIC M/L (1608) TAPE  | 220PF 50V J CH | C039 |
| AT384ZKBAE | BCMM812214G | C:CERAMIC M/L (1608) TAPE  | 220PF 50V J CH | C043 |
| AT384ZKBAE | BCMM812214G | C:CERAMIC M/L (1608) TAPE  | 220PF 50V J CH | C355 |
| AT384ZKBAE | BCMM812704G | C:CERAMIC M/L (1608) TAPE  | 27PF 50V J CH  | C015 |
| AT384ZKBAE | BCMM812714G | C:CERAMIC M/L (1608) TAPE  | 270PF 50V J CH | C403 |
| AT384ZKBAE | BCMM812714G | C:CERAMIC M/L (1608) TAPE  | 270PF 50V J CH | C406 |
| AT384ZKBAE | BCMM813098G | C: CERAMIC M/L (1608) TAPE | 3PF 50V B CH   | C014 |
| AT384ZKBAE | BCMM813304G | C:CERAMIC M/L (1608) TAPE  | 33PF 50V J CH  | C224 |
| AT384ZKBAE | BCMM813304G | C:CERAMIC M/L (1608) TAPE  | 33PF 50V J CH  | C305 |
| AT384ZKBAE | BCMM813304G | C:CERAMIC M/L (1608) TAPE  | 33PF 50V J CH  | C308 |
| AT384ZKBAE | BCMM813304G | C:CERAMIC M/L (1608) TAPE  | 33PF 50V J CH  | C351 |
| AT384ZKBAE | BCMM813304G | C:CERAMIC M/L (1608) TAPE  | 33PF 50V J CH  | C352 |
| AT384ZKBAE | BCMM813304G | C:CERAMIC M/L (1608) TAPE  | 33PF 50V J CH  | C353 |
| AT384ZKBAE | BCMM813314G | C:CERAMIC M/L (1608) TAPE  | 330PF 50V J CH | C251 |
| AT384ZKBAE | BCMM813904G | C:CERAMIC M/L (1608) TAPE  | 39PF 50V J CH  | C005 |
| AT384ZKBAE | BCMM813904G | C:CERAMIC M/L (1608) TAPE  | 39PF 50V J CH  | C329 |
| AT384ZKBAE | BCMM814098G | C:CERAMIC M/L (1608) TAPE  | 4PF 50V B CH   | C327 |
| AT384ZKBAE | BCMM814704G | C:CERAMIC M/L (1608) TAPE  | 47PF 50V J CH  | C036 |
| AT384ZKBAE | BCMM814704G | C:CERAMIC M/L (1608) TAPE  | 47PF 50V J CH  | C254 |
| AT384ZKBAE | BCMM814714G | C:CERAMIC M/L (1608) TAPE  | 470PF 50V J CH | C037 |
| AT384ZKBAE | BCMM814714G | C:CERAMIC M/L (1608) TAPE  | 470PF 50V J CH | C401 |
| AT384ZKBAE | BCMM814714G | C:CERAMIC M/L (1608) TAPE  | 470PF 50V J CH | C402 |
| AT384ZKBAE | BCMM814714G | C:CERAMIC M/L (1608) TAPE  | 470PF 50V J CH | C404 |
| AT384ZKBAE | BCMM815091G | C: CERAMIC M/L (1608) TAPE | 5PF 50V C CH   | C313 |
| AT384ZKBAE | BCMM815098G | C: CERAMIC M/L (1608) TAPE | 5PF 50V B CH   | C328 |
| AT384ZKBAE | BCMM816814G | C:CERAMIC M/L (1608) TAPE  | 680PF 50V J CH | C042 |

|            |             |                            |                                |      |
|------------|-------------|----------------------------|--------------------------------|------|
| AT384ZKBAE | BCMM816814G | C:CERAMIC M/L (1608) TAPE  | 680PF 50V J CH                 | C211 |
| AT384ZKBAE | BCMM816814G | C:CERAMIC M/L (1608) TAPE  | 680PF 50V J CH                 | C212 |
| AT384ZKBAE | BCMM817092G | C: CERAMIC M/L (1608) TAPE | 7PF 50V D CH                   | C025 |
| AT384ZKBAE | BCMM817092G | C: CERAMIC M/L (1608) TAPE | 7PF 50V D CH                   | C320 |
| AT384ZKBAE | BCMM817092G | C: CERAMIC M/L (1608) TAPE | 7PF 50V D CH                   | C325 |
| AT384ZKBAE | BCMM817092G | C: CERAMIC M/L (1608) TAPE | 7PF 50V D CH                   | C350 |
| AT384ZKBAE | BCMM818092G | C: CERAMIC M/L (1608) TAPE | 8PF 50V D CH                   | C223 |
| AT384ZKBAE | BCMM818092G | C: CERAMIC M/L (1608) TAPE | 8PF 50V D CH                   | C330 |
| AT384ZKBAE | BCMM818204G | C:CERAMIC M/L (1608) TAPE  | 82PF 50V J CH                  | C228 |
| AT384ZKBAE | BCMM818214G | C:CERAMIC M/L (1608) TAPE  | 820PF 50V J CH                 | C252 |
| AT384ZKBAE | BCSH312296G | C:TANTALUM CHIP TAPE       | 2.2UF 16V M C-122 TAPE         | C323 |
| AT384ZKBAE | BCSH662286G | CAPACITOR:TANTALUM CHIP    | 0.22UF 35V M C-122 TAPE        | C322 |
| AT384ZKBAE | BDAG1268001 | DIODE                      | KDS226-RTK/P                   | D401 |
| AT384ZKBAE | BDAG1269001 | DIODE                      | KDS114E-RTK/P                  | D001 |
| AT384ZKBAE | BDAG1269001 | DIODE                      | KDS114E-RTK/P                  | D002 |
| AT384ZKBAE | BDAG1269001 | DIODE                      | KDS114E-RTK/P                  | D011 |
| AT384ZKBAE | BDAG1269001 | DIODE                      | KDS114E-RTK/P                  | D201 |
| AT384ZKBAE | BDAG1280001 | DIODE:VARICAP              | HVU307 TRU-E                   | D101 |
| AT384ZKBAE | BDAG1280001 | DIODE:VARICAP              | HVU307 TRU-E                   | D302 |
| AT384ZKBAE | BDAG1280001 | DIODE:VARICAP              | HVU307 TRU-E                   | D304 |
| AT384ZKBAE | BDAG1280001 | DIODE:VARICAP              | HVU307 TRU-E                   | D305 |
| AT384ZKBAE | BDAG1349001 | DIODE                      | GD 1N4003-A2                   | D209 |
| AT384ZKBAE | BDAG1355001 | DIODE                      | SDB30A40                       | D301 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D004 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D005 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D006 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D007 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D009 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D013 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D204 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D208 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D211 |
| AT384ZKBAE | BDAG1414001 | DIODE                      | DA-1414 LL34LL4148             | D402 |
| AT384ZKBAE | BDAG1423002 | DIODE:ZENER                | HZK5C                          | D202 |
| AT384ZKBAE | BDAG1572016 | DIODE:ZENER                | MM3Z3V0B                       | D205 |
| AT384ZKBAE | BDAG1590001 | DIODE                      | BAR43SST(RH)                   | D008 |
| AT384ZKBAE | BDBL0941112 | TRANSISTOR                 | DB-1212 2SC941TM-Y(TPE2_F)     | Q201 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q005 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q006 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q009 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q013 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q214 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q307 |
| AT384ZKBAE | BDBN1259001 | TRANSISTOR                 | DB-1259 KTC3875S-GR-RTK/P TAPE | Q401 |

|            |             |                         |                                 |       |
|------------|-------------|-------------------------|---------------------------------|-------|
| AT384ZKBAE | BDBN1290001 | TRANSISTOR              | DB-1290 LMBT3906LT1G            | Q218  |
| AT384ZKBAE | BDBN1290001 | TRANSISTOR              | DB-1290 LMBT3906LT1G            | Q306  |
| AT384ZKBAE | BDBN1326001 | TRANSISTOR              | DB-1326 MMBTSC2714Y             | Q001  |
| AT384ZKBAE | BDBN1326001 | TRANSISTOR              | DB-1326 MMBTSC2714Y             | Q004  |
| AT384ZKBAE | BDBN1326001 | TRANSISTOR              | DB-1326 MMBTSC2714Y             | Q301  |
| AT384ZKBAE | BDBN1327001 | TRANSISTOR              | DB-1327 MMBTSC4226RW            | Q202  |
| AT384ZKBAE | BDBN1327001 | TRANSISTOR              | DB-1327 MMBTSC4226RW            | Q302  |
| AT384ZKBAE | BDBN1327001 | TRANSISTOR              | DB-1327 MMBTSC4226RW            | Q303  |
| AT384ZKBAE | BDBN1327001 | TRANSISTOR              | DB-1327 MMBTSC4226RW            | Q308  |
| AT384ZKBAE | BDBN1328001 | TRANSISTOR              | DB-1328 MMBTRA105SS             | Q213  |
| AT384ZKBAE | BDBN1329001 | TRANSISTOR              | DB-1329 MMBTRC119SS             | Q012  |
| AT384ZKBAE | BDBN1329001 | TRANSISTOR              | DB-1329 MMBTRC119SS             | Q101  |
| AT384ZKBAE | BDBN1329001 | TRANSISTOR              | DB-1329 MMBTRC119SS             | Q103  |
| AT384ZKBAE | BDBN1329001 | TRANSISTOR              | DB-1329 MMBTRC119SS             | Q208  |
| AT384ZKBAE | BDBN1329001 | TRANSISTOR              | DB-1329 MMBTRC119SS             | Q216  |
| AT384ZKBAE | BDBN1329001 | TRANSISTOR              | DB-1329 MMBTRC119SS             | Q305  |
| AT384ZKBAE | BDBN1330001 | TRANSISTOR              | DB-1330 KTC3209-Y-AT/P          | Q217  |
| AT384ZKBAE | BDBN1331001 | TRANSISTOR              | DB-1331 KTD1304-RTK/P           | Q007  |
| AT384ZKBAE | BDBN1331001 | TRANSISTOR              | DB-1331 KTD1304-RTK/P           | Q011  |
| AT384ZKBAE | BDBN1331001 | TRANSISTOR              | DB-1331 KTD1304-RTK/P           | Q209  |
| AT384ZKBAE | BDBN1331001 | TRANSISTOR              | DB-1331 KTD1304-RTK/P           | Q304  |
| AT384ZKBAE | BDCK0210303 | FIELD EFFECT TRANSISTOR | DC-310 2SK210-GR(TE85L_F)       | Q002  |
| AT384ZKBAE | BDCK0210303 | FIELD EFFECT TRANSISTOR | DC-310 2SK210-GR(TE85L_F)       | Q003  |
| AT384ZKBAE | BDEG4463003 | INTEGRATED CIRCUIT      | NJM12904R-TE1-#ZZZB             | IC002 |
| AT384ZKBAE | BDEG4463003 | INTEGRATED CIRCUIT      | NJM12904R-TE1-#ZZZB             | IC201 |
| AT384ZKBAE | BDEG4463003 | INTEGRATED CIRCUIT      | NJM12904R-TE1-#ZZZB             | IC401 |
| AT384ZKBAE | BDEG4680003 | INTEGRATED CIRCUIT      | XC6109C43ANR                    | IC303 |
| AT384ZKBAE | BDEG5115001 | INTEGRATED CIRCUIT      | M38D24G4FP                      | IC301 |
| AT384ZKBAE | BDEG5165003 | INTEGRATED CIRCUIT      | MCD2926                         | IC305 |
| AT384ZKBAE | BDEG5186003 | INTEGRATED CIRCUIT      | MC3361                          | IC101 |
| AT384ZKBAE | BDEG5191003 | INTEGRATED CIRCUIT      | FM24C02A-SO-T-G                 | IC302 |
| AT384ZKBAE | BDEG5193003 | INTEGRATED CIRCUIT      | UR6225L-50-AB3-C-R              | IC304 |
| AT384ZKBAE | BFLG0852001 | FILTER:CERAMIC          | FL-852 LTS455HTW                | FT002 |
| AT384ZKBAE | BFLG1087001 | FILTER:CRYSTAL          | FL-1087 10M07AZ                 | FT001 |
| AT384ZKBAE | BJKG1249003 | JACK                    | JK-1249 IMSA-9210B-1-03Z058-PT1 | J301  |
| AT384ZKBAE | BJKG1310001 | JACK:EARPHONE           | JK-1310 PJ-305C                 | J001  |
| AT384ZKBAE | BLBG1276001 | COIL                    | LB-1276                         | L004  |
| AT384ZKBAE | BLBG1285001 | COIL                    | LB-1285                         | L001  |
| AT384ZKBAE | BLBG1286001 | COIL                    | LB-1286                         | L101  |
| AT384ZKBAE | BLBH1153001 | COIL                    | LB-1153 KS2485NC                | L002  |
| AT384ZKBAE | BLBH1239001 | COIL                    | LB-1239 KS2585N                 | L003  |
| AT384ZKBAE | BLBH1272001 | COIL                    | LB-1272 7MK4A035A               | L006  |
| AT384ZKBAE | BLBH1272001 | COIL                    | LB-1272 7MK4A035A               | L007  |
| AT384ZKBAE | BLDH0252001 | COIL                    | LD-252 SZFDLLD-252              | L300  |



|            |             |                           |                            |       |
|------------|-------------|---------------------------|----------------------------|-------|
| AT384ZKBAE | BLEG0600001 | COIL                      | LE-0600                    | L205  |
| AT384ZKBAE | BLEG0600001 | COIL                      | LE-0600                    | L208  |
| AT384ZKBAE | BLEH0475001 | COIL                      | LE-475 SZFDLLE-475         | L201  |
| AT384ZKBAE | BLEH0475001 | COIL                      | LE-475 SZFDLLE-475         | L202  |
| AT384ZKBAE | BLEH0475001 | COIL                      | LE-475 SZFDLLE-475         | L203  |
| AT384ZKBAE | BLEH0475001 | COIL                      | LE-475 SZFDLLE-475         | L204  |
| AT384ZKBAE | BLEH0475001 | COIL                      | LE-475 SZFDLLE-475         | L206  |
| AT384ZKBAE | BLZG0194221 | INDUCTOR:MOLDED CHIP      | LZ-194 MPZ2012S221AT 220   | L009  |
| AT384ZKBAE | BLZG0194221 | INDUCTOR:MOLDED CHIP      | LZ-194 MPZ2012S221AT 220   | L010  |
| AT384ZKBAE | BLZG0194221 | INDUCTOR:MOLDED CHIP      | LZ-194 MPZ2012S221AT 220   | L301  |
| AT384ZKBAE | BLZG0194221 | INDUCTOR:MOLDED CHIP      | LZ-194 MPZ2012S221AT 220   | L302  |
| AT384ZKBAE | BLZG0194221 | INDUCTOR:MOLDED CHIP      | LZ-194 MPZ2012S221AT 220   | L307  |
| AT384ZKBAE | BLZG0194221 | INDUCTOR:MOLDED CHIP      | LZ-194 MPZ2012S221AT 220   | L308  |
| AT384ZKBAE | BLZG0207601 | INDUCTOR:MOLDED CHIP      | LZ-207 MMZ1608Y601BT 600   | L209  |
| AT384ZKBAE | BLZG0226100 | INDUCTOR:MOLDED CHIP      | LZ-226 SGMI1608K100K T     | L005  |
| AT384ZKBAE | BLZG0226108 | INDUCTOR:MOLDED CHIP      | LZ-226 SGMI1608GR10K T     | L305  |
| AT384ZKBAE | BLZG0226108 | INDUCTOR:MOLDED CHIP      | LZ-226 SGMI1608GR10K T     | L306  |
| AT384ZKBAE | BLZG0226338 | INDUCTOR:MOLDED CHIP      | LZ-226 SGMI1608GR33K T     | L211  |
| AT384ZKBAE | BLZG0267478 | INDUCTOR:MOLDED CHIP      | LZ-267 NLV25T-R47J-PF      | L207  |
| AT384ZKBAE | BLZG0278338 | INDUCTOR:MOLDED CHIP      | LZ-278 LLQ2012-FR33J 330NH | L304  |
| AT384ZKBAE | BLZG0278398 | INDUCTOR:MOLDED CHIP      | LZ-278 LLQ2012-FR39J 390NH | L303  |
| AT384ZKBAE | BPAG0456AA1 | PCB:MAIN                  | PA-456AA 1/7               | B001  |
| AT384ZKBAE | BPGG0185001 | PLUG                      | PG-185 IMSA-9215H-T        | PG301 |
| AT384ZKBAE | BQXG0975001 | CRYSTAL                   | QX-975 10.24MHZ            | X301  |
| AT384ZKBAE | BQXG0982001 | CRYSTAL                   | QX-982 3.6864MHZ           | X302  |
| AT384ZKBAE | BRFC010004G | R:CARBON FIXED CHIP(2125) | 0 1/10W J TAPE             | R280  |
| AT384ZKBAE | BRFC121014G | R:CARBON FIXED CHIP(5025) | 100 1/2W J TAPE            | R276  |
| AT384ZKBAE | BRFC128204G | R:CARBON FIXED CHIP(5025) | 82 1/2W J TAPE             | R275  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R029  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R054  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R088  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R089  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R100  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R111  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R115  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R116  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R122  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R269  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R316  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R321  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R323  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R326  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R329  |
| AT384ZKBAE | BRFC160004G | R:CARBON FIXED CHIP(1608) | 0 1/16W J TAPE             | R330  |

[illegible]

[illegible]

|            |             |                           |                   |      |
|------------|-------------|---------------------------|-------------------|------|
| AT384ZKBAE | BRFC161044G | R:CARBON FIXED CHIP(1608) | 100K 1/16W J TAPE | R247 |
| AT384ZKBAE | BRFC161044G | R:CARBON FIXED CHIP(1608) | 100K 1/16W J TAPE | R248 |
| AT384ZKBAE | BRFC161044G | R:CARBON FIXED CHIP(1608) | 100K 1/16W J TAPE | R335 |
| AT384ZKBAE | BRFC161044G | R:CARBON FIXED CHIP(1608) | 100K 1/16W J TAPE | R346 |
| AT384ZKBAE | BRFC161044G | R:CARBON FIXED CHIP(1608) | 100K 1/16W J TAPE | R357 |
| AT384ZKBAE | BRFC161054G | R:CARBON FIXED CHIP(1608) | 1M 1/16W J TAPE   | R069 |
| AT384ZKBAE | BRFC161054G | R:CARBON FIXED CHIP(1608) | 1M 1/16W J TAPE   | R103 |
| AT384ZKBAE | BRFC161054G | R:CARBON FIXED CHIP(1608) | 1M 1/16W J TAPE   | R238 |
| AT384ZKBAE | BRFC161054G | R:CARBON FIXED CHIP(1608) | 1M 1/16W J TAPE   | R252 |
| AT384ZKBAE | BRFC161054G | R:CARBON FIXED CHIP(1608) | 1M 1/16W J TAPE   | R331 |
| AT384ZKBAE | BRFC161504G | R:CARBON FIXED CHIP(1608) | 15 1/16W J TAPE   | R207 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R003 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R005 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R008 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R031 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R077 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R113 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R267 |
| AT384ZKBAE | BRFC161524G | R:CARBON FIXED CHIP(1608) | 1.5K 1/16W J TAPE | R318 |
| AT384ZKBAE | BRFC161534G | R:CARBON FIXED CHIP(1608) | 15K 1/16W J TAPE  | R027 |
| AT384ZKBAE | BRFC161544G | R:CARBON FIXED CHIP(1608) | 150K 1/16W J TAPE | R067 |
| AT384ZKBAE | BRFC161544G | R:CARBON FIXED CHIP(1608) | 150K 1/16W J TAPE | R071 |
| AT384ZKBAE | BRFC161824G | R:CARBON FIXED CHIP(1608) | 1.8K 1/16W J TAPE | R277 |
| AT384ZKBAE | BRFC161824G | R:CARBON FIXED CHIP(1608) | 1.8K 1/16W J TAPE | R279 |
| AT384ZKBAE | BRFC161834G | R:CARBON FIXED CHIP(1608) | 18K 1/16W J TAPE  | R265 |
| AT384ZKBAE | BRFC162204G | R:CARBON FIXED CHIP(1608) | 22 1/16W J TAPE   | R039 |
| AT384ZKBAE | BRFC162204G | R:CARBON FIXED CHIP(1608) | 22 1/16W J TAPE   | R217 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R018 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R026 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R035 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R258 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R302 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R306 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R307 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R308 |
| AT384ZKBAE | BRFC162214G | R:CARBON FIXED CHIP(1608) | 220 1/16W J TAPE  | R410 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R001 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R004 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R028 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R038 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R060 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R110 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R253 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R262 |

|            |             |                           |                   |      |
|------------|-------------|---------------------------|-------------------|------|
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R353 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R404 |
| AT384ZKBAE | BRFC162224G | R:CARBON FIXED CHIP(1608) | 2.2K 1/16W J TAPE | R408 |
| AT384ZKBAE | BRFC162234G | R:CARBON FIXED CHIP(1608) | 22K 1/16W J TAPE  | R309 |
| AT384ZKBAE | BRFC162244G | R:CARBON FIXED CHIP(1608) | 220K 1/16W J TAPE | R068 |
| AT384ZKBAE | BRFC162244G | R:CARBON FIXED CHIP(1608) | 220K 1/16W J TAPE | R256 |
| AT384ZKBAE | BRFC162244G | R:CARBON FIXED CHIP(1608) | 220K 1/16W J TAPE | R257 |
| AT384ZKBAE | BRFC162244G | R:CARBON FIXED CHIP(1608) | 220K 1/16W J TAPE | R261 |
| AT384ZKBAE | BRFC162244G | R:CARBON FIXED CHIP(1608) | 220K 1/16W J TAPE | R334 |
| AT384ZKBAE | BRFC162294G | R:CARBON FIXED CHIP(1608) | 2.2 1/16W J TAPE  | R084 |
| AT384ZKBAE | BRFC162714G | R:CARBON FIXED CHIP(1608) | 270 1/16W J TAPE  | R014 |
| AT384ZKBAE | BRFC162714G | R:CARBON FIXED CHIP(1608) | 270 1/16W J TAPE  | R015 |
| AT384ZKBAE | BRFC162724G | R:CARBON FIXED CHIP(1608) | 2.7K 1/16W J TAPE | R237 |
| AT384ZKBAE | BRFC163304G | R:CARBON FIXED CHIP(1608) | 33 1/16W J TAPE   | R209 |
| AT384ZKBAE | BRFC163314G | R:CARBON FIXED CHIP(1608) | 330 1/16W J TAPE  | R033 |
| AT384ZKBAE | BRFC163314G | R:CARBON FIXED CHIP(1608) | 330 1/16W J TAPE  | R214 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R021 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R043 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R066 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R205 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R212 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R221 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R227 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R281 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R283 |
| AT384ZKBAE | BRFC163324G | R:CARBON FIXED CHIP(1608) | 3.3K 1/16W J TAPE | R358 |
| AT384ZKBAE | BRFC163334G | R:CARBON FIXED CHIP(1608) | 33K 1/16W J TAPE  | R025 |
| AT384ZKBAE | BRFC163334G | R:CARBON FIXED CHIP(1608) | 33K 1/16W J TAPE  | R083 |
| AT384ZKBAE | BRFC163334G | R:CARBON FIXED CHIP(1608) | 33K 1/16W J TAPE  | R102 |
| AT384ZKBAE | BRFC163334G | R:CARBON FIXED CHIP(1608) | 33K 1/16W J TAPE  | R105 |
| AT384ZKBAE | BRFC163334G | R:CARBON FIXED CHIP(1608) | 33K 1/16W J TAPE  | R409 |
| AT384ZKBAE | BRFC163924G | R:CARBON FIXED CHIP(1608) | 3.9K 1/16W J TAPE | R315 |
| AT384ZKBAE | BRFC163924G | R:CARBON FIXED CHIP(1608) | 3.9K 1/16W J TAPE | R401 |
| AT384ZKBAE | BRFC164704G | R:CARBON FIXED CHIP(1608) | 47 1/16W J TAPE   | R042 |
| AT384ZKBAE | BRFC164704G | R:CARBON FIXED CHIP(1608) | 47 1/16W J TAPE   | R082 |
| AT384ZKBAE | BRFC164704G | R:CARBON FIXED CHIP(1608) | 47 1/16W J TAPE   | R208 |
| AT384ZKBAE | BRFC164704G | R:CARBON FIXED CHIP(1608) | 47 1/16W J TAPE   | R300 |
| AT384ZKBAE | BRFC164704G | R:CARBON FIXED CHIP(1608) | 47 1/16W J TAPE   | R332 |
| AT384ZKBAE | BRFC164714G | R:CARBON FIXED CHIP(1608) | 470 1/16W J TAPE  | R032 |
| AT384ZKBAE | BRFC164714G | R:CARBON FIXED CHIP(1608) | 470 1/16W J TAPE  | R057 |
| AT384ZKBAE | BRFC164714G | R:CARBON FIXED CHIP(1608) | 470 1/16W J TAPE  | R075 |
| AT384ZKBAE | BRFC164714G | R:CARBON FIXED CHIP(1608) | 470 1/16W J TAPE  | R359 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R055 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R058 |

|            |             |                           |                   |      |
|------------|-------------|---------------------------|-------------------|------|
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R118 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R218 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R236 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R251 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R313 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R325 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R333 |
| AT384ZKBAE | BRFC164724G | R:CARBON FIXED CHIP(1608) | 4.7K 1/16W J TAPE | R338 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R036 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R045 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R063 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R219 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R273 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R284 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R305 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R311 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R345 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R354 |
| AT384ZKBAE | BRFC164734G | R:CARBON FIXED CHIP(1608) | 47K 1/16W J TAPE  | R355 |
| AT384ZKBAE | BRFC164744G | R:CARBON FIXED CHIP(1608) | 470K 1/16W J TAPE | R056 |
| AT384ZKBAE | BRFC164744G | R:CARBON FIXED CHIP(1608) | 470K 1/16W J TAPE | R074 |
| AT384ZKBAE | BRFC164794G | R:CARBON FIXED CHIP(1608) | 4.7 1/16W J TAPE  | R017 |
| AT384ZKBAE | BRFC165614G | R:CARBON FIXED CHIP(1608) | 560 1/16W J TAPE  | R213 |
| AT384ZKBAE | BRFC165614G | R:CARBON FIXED CHIP(1608) | 560 1/16W J TAPE  | R259 |
| AT384ZKBAE | BRFC165624G | R:CARBON FIXED CHIP(1608) | 5.6K 1/16W J TAPE | R360 |
| AT384ZKBAE | BRFC165644G | R:CARBON FIXED CHIP(1608) | 560K 1/16W J TAPE | R407 |
| AT384ZKBAE | BRFC165644G | R:CARBON FIXED CHIP(1608) | 560K 1/16W J TAPE | R413 |
| AT384ZKBAE | BRFC166814G | R:CARBON FIXED CHIP(1608) | 680 1/16W J TAPE  | R085 |
| AT384ZKBAE | BRFC166814G | R:CARBON FIXED CHIP(1608) | 680 1/16W J TAPE  | R106 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R009 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R010 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R076 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R079 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R081 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R201 |
| AT384ZKBAE | BRFC166824G | R:CARBON FIXED CHIP(1608) | 6.8K 1/16W J TAPE | R356 |
| AT384ZKBAE | BRFC166834G | R:CARBON FIXED CHIP(1608) | 68K 1/16W J TAPE  | R049 |
| AT384ZKBAE | BRFC166834G | R:CARBON FIXED CHIP(1608) | 68K 1/16W J TAPE  | R052 |
| AT384ZKBAE | BRFC166834G | R:CARBON FIXED CHIP(1608) | 68K 1/16W J TAPE  | R317 |
| AT384ZKBAE | BRFC166844G | R:CARBON FIXED CHIP(1608) | 680K 1/16W J TAPE | R051 |
| AT384ZKBAE | BRFC166844G | R:CARBON FIXED CHIP(1608) | 680K 1/16W J TAPE | R403 |
| AT384ZKBAE | BRFC168204G | R:CARBON FIXED CHIP(1608) | 82 1/16W J TAPE   | R274 |
| AT384ZKBAE | BRFC168224G | R:CARBON FIXED CHIP(1608) | 8.2K 1/16W J TAPE | R382 |
| AT384ZKBAE | BRFC168224G | R:CARBON FIXED CHIP(1608) | 8.2K 1/16W J TAPE | R405 |

|            |             |                           |                          |       |
|------------|-------------|---------------------------|--------------------------|-------|
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R020  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R030  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R040  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R050  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R080  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R086  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R087  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R117  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R216  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R260  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R340  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R344  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R349  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R351  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R371  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R372  |
| AT384ZKBAE | BRFC180004G | R:CARBON FIXED CHIP(3216) | 0 1/8W J TAPE            | R400  |
| AT384ZKBAE | BRFC181014G | R:CARBON FIXED CHIP(3216) | 100 1/8W J TAPE          | R016  |
| AT384ZKBAE | BRFT141034G | R:CARBON AXIAL LEAD (52)  | 10K 1/4W J TAPE          | R314  |
| AT384ZKBAE | BRPA611034G | R:CARBON AXIAL LEAD (26)  | 10K 1/6W J TAPE          | R395  |
| AT384ZKBAE | BRPA611034G | R:CARBON AXIAL LEAD (26)  | 10K 1/6W J TAPE          | R396  |
| AT384ZKBAE | BRPA611034G | R:CARBON AXIAL LEAD (26)  | 10K 1/6W J TAPE          | R397  |
| AT384ZKBAE | BRPA611034G | R:CARBON AXIAL LEAD (26)  | 10K 1/6W J TAPE          | R398  |
| AT384ZKBAE | BRTG0597102 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B102   | RT203 |
| AT384ZKBAE | BRTG0597203 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B203   | RT301 |
| AT384ZKBAE | BRTG0597501 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B501   | RT401 |
| AT384ZKBAE | BRTG0597502 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B502   | RT001 |
| AT384ZKBAE | BRTG0597502 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B502   | RT002 |
| AT384ZKBAE | BRTG0597502 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B502   | RT101 |
| AT384ZKBAE | BRTG0597502 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B502   | RT202 |
| AT384ZKBAE | BRTG0597502 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B502   | RT204 |
| AT384ZKBAE | BRTG0597503 | R:SEMI-FIXED              | RT-597 PA0630-HA1-B503   | RT205 |
| AT384ZKBAE | BTFG0083001 | TRANSFORMER:AF CHOKE      | TF-083                   | T301  |
| AT384ZKBAE | BTFG0577001 | TRANS                     | TF-577                   | T201  |
| AT384ZKBAE | BTPG0138001 | TEST PIN                  | TP-138 IPS-1820-01-PT    | TP201 |
| AT384ZKBAM | HSDC3E7852Z | SHIELD PLATE              | SPTE                     |       |
| AT384ZKBAM | HSDC4E6442Z | SHIELD CASE               | SPTE                     |       |
| AT384ZKBAM | HSDC4E6476Z | SHIELD CASE               | SPTE                     |       |
| AT384ZKBAM | HSDC4E6477Z | SHIELD CASE(COMP)         | SPTE                     |       |
| AT384ZKBAM | HSDC4E8735Z | SHIELD PLATE              | SPTE                     |       |
| AT384ZKBAW | CUAH013011G | WIRE                      | UL 1007 #24 3-130- 3 GRY | W001  |
| AT384ZKBAW | CUAJ013011G | WIRE                      | UL 1007 #24 3-130- 3 WHT | W002  |
| AT384ZKBAW | CUPJ003511G | WIRE W-004                | UL 1571 #26 3- 35- 3 WHT | W003  |
| AT384ZKBBE | BCML811025G | C:CERAMIC M/L (1608) TAPE | 0.001UF 50V K B          | C559  |

|            |             |                           |                                 |       |
|------------|-------------|---------------------------|---------------------------------|-------|
| AT384ZKBBE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C551  |
| AT384ZKBBE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C552  |
| AT384ZKBBE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C553  |
| AT384ZKBBE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C554  |
| AT384ZKBBE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C557  |
| AT384ZKBBE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C558  |
| AT384ZKBBE | BDLG0575001 | LIQUID CRYSTAL DISPLAY    | DL-575 912-442A-4231            | DP551 |
| AT384ZKBBE | BJKG1547001 | JACK                      | JK-1547                         | J551  |
| AT384ZKBBE | BLZG0207601 | INDUCTOR:MOLDED CHIP      | LZ-207 MMZ1608Y601BT 600        | L551  |
| AT384ZKBBE | BLZG0207601 | INDUCTOR:MOLDED CHIP      | LZ-207 MMZ1608Y601BT 600        | L552  |
| AT384ZKBBE | BLZG0207601 | INDUCTOR:MOLDED CHIP      | LZ-207 MMZ1608Y601BT 600        | L553  |
| AT384ZKBBE | BLZG0207601 | INDUCTOR:MOLDED CHIP      | LZ-207 MMZ1608Y601BT 600        | L554  |
| AT384ZKBBE | BPAG0456AA2 | PCB:FRONT                 | PA-456AA 2/7                    | B551  |
| AT384ZKBBE | BRFC161024G | R:CARBON FIXED CHIP(1608) | 1K 1/16W J TAPE                 | R553  |
| AT384ZKBBE | BRFC161024G | R:CARBON FIXED CHIP(1608) | 1K 1/16W J TAPE                 | R554  |
| AT384ZKBBE | BRFC163914G | R:CARBON FIXED CHIP(1608) | 390 1/16W J TAPE                | R551  |
| AT384ZKBBE | BRFC163914G | R:CARBON FIXED CHIP(1608) | 390 1/16W J TAPE                | R552  |
| AT384ZKBBE | BSWG0877001 | SWITCH:TACT               | SW-877 TC-1105                  | S551  |
| AT384ZKBBE | BSWG0877001 | SWITCH:TACT               | SW-877 TC-1105                  | S552  |
| AT384ZKBBM | GETC3E6434Z | LIGHTING PLATE            | PMMA                            |       |
| AT384ZKBBM | GHDZ3E6433Z | HOLDER:DISPLAY            | ABS                             |       |
| AT384ZKBBM | HSDC3E6435Z | LCD FRAME                 | SPTE                            |       |
| AT384ZKBCE | BPAG0456AA3 | PCB:VOL                   | PA-456AA 3/7                    | B601  |
| AT384ZKBCE | BRVG1018001 | VOLUME                    | RV-1018 R09711NS-FR25.5A10-A503 | VR601 |
| AT384ZKBCE | BWFG3850809 | FLAT CABLE                | WF-385 3-80-3 5P                | FC601 |
| AT384ZKBDE | BPAG0456AA4 | PCB:SQ                    | PA-456AA 4/7                    | B651  |
| AT384ZKBDE | BRVG1020001 | VOLUME                    | RV-1020 R09711NO-FR25.5A10-B502 | VR651 |
| AT384ZKBDE | BWFG3820359 | FLAT CABLE                | WF-382 3-35-3 2P                | FC651 |
| AT384ZKBEE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C701  |
| AT384ZKBEE | BCML811035G | C:CERAMIC M/L (1608) TAPE | 0.01UF 50V K B                  | C702  |
| AT384ZKBEE | BPAG0456AA5 | PCB:CH SW                 | PA-456AA 5/7                    | B701  |
| AT384ZKBEE | BRFC161024G | R:CARBON FIXED CHIP(1608) | 1K 1/16W J TAPE                 | R701  |
| AT384ZKBEE | BRFC161024G | R:CARBON FIXED CHIP(1608) | 1K 1/16W J TAPE                 | R702  |
| AT384ZKBEE | BSRG0476001 | SWITCH:ROTARY             | SR-476 PS1020-20-FB25A10-00     | S701  |
| AT384ZKBEE | BWFG3830509 | FLAT CABLE                | WF-383 3-50-3 3P                | FC701 |
| AT384ZKBFE | BDAG1031001 | DIODE:LED                 | LTST-C190KFKT                   | D801  |
| AT384ZKBFE | BDAG1031001 | DIODE:LED                 | LTST-C190KFKT                   | D802  |
| AT384ZKBFE | BPAG0456AA6 | PCB:LED L                 | PA-456AA 6/7                    | B801  |
| AT384ZKBGE | BDAG1031001 | DIODE:LED                 | LTST-C190KFKT                   | D851  |
| AT384ZKBGE | BDAG1031001 | DIODE:LED                 | LTST-C190KFKT                   | D852  |
| AT384ZKBGE | BPAG0456AA7 | PCB:LED R                 | PA-456AA 7/7                    | B851  |
| AT384ZKBYE | BDBN1332001 | TRANSISTOR                | DB-1332 KTA1725-O-U/P           | Q501  |
| AT384ZKBYE | BDCN0336001 | FIELD EFFECT TRANSISTOR   | DC-336 RD06HHF1-101             | Q502  |
| AT384ZKBYE | BDEG5194001 | INTEGRATED CIRCUIT        | TDA2003L-TB5-T                  | IC501 |



|            |             |                             |                       |       |
|------------|-------------|-----------------------------|-----------------------|-------|
| AT384ZKBYE | BDEG5195001 | INTEGRATED CIRCUIT          | ST7808                | IC502 |
| AT384ZKBYE | BJKG1596003 | JACK:ANT W/O ACC            | JK-1596 M-RM-L 102    | J501  |
| AT384ZKBYE | BSPG0474001 | SPEAKER                     | SP-474 YD77A-64F8     | SP501 |
| AT384ZKBYE | BWZY1105001 | CORD:DC CORD                | WZ-1105 1500 W/P      | WA501 |
| AT384ZKBYM | GCAS3F2124Z | PANEL:FRONT                 | ABS                   |       |
| AT384ZKBYM | GNBC484572Z | KNOB CHANNEL                | ABS BLACK             |       |
| AT384ZKBYM | GNBY484578Z | KNOB                        | ABS BLACK             |       |
| AT384ZKBYM | HCAS3E6437Z | COVER:TOP                   | VINY TOP              |       |
| AT384ZKBYM | HCAS3E6438Z | COVER:BOTTOM                | VINY TOP              |       |
| AT384ZKBYM | HCSY3E6849Z | CHASSIS                     | SECC                  |       |
| AT384ZKBYM | HETC4F2308Z | SPRING PLATE                | **                    |       |
| AT384ZKBYM | HHSK3E6441Z | HEAT SINK(COMP)             | A1070P(AL)            |       |
| AT384ZKBYM | HHSK4E6440Z | HEAT SINK                   | A1070P(AL)            |       |
| AT384ZKBYM | HSDC3E8736Z | SHIELD PLATE                | C5210(PBSP)           |       |
| AT384ZKBYM | HSDC4E6436Z | SHIELD PLATE                | SPTE                  |       |
| AT384ZKBYM | HSDC4E7851Z | SHIELD CASE                 | SPTE                  |       |
| AT384ZKBYM | HSDC4E8737Z | SHIELD PLATE                | SPTE                  |       |
| AT384ZKBYM | HSDC4E8739Z | SHIELD CASE                 | SPTE                  |       |
| AT384ZKBYM | KDPZ4F2126Z | PLATE:DISPLAY               | PC                    |       |
| AT384ZKBYM | LNBY4F2125Z | KEY RUBBER                  | SI                    |       |
| AT384ZKBYM | MSCW4F2297Z | NUT                         | **                    |       |
| AT384ZKBYM | RETC490493A | SPACER                      | WOOL TACK,0.5T,BLACK  |       |
| AT384ZKBYM | RUTC418435Z | WOOL-COATED PAPER:WOOL TACK | WOOL PAPER,100*5*0.3T |       |
| AT384ZKBYM | SSCW133004N | SCREW:FLAT HD +             | M3X4 NI               | 1     |
| AT384ZKBYM | SSCW193006N | SCREW:BIND HD +             | M3X6 NI               | 1     |
| AT384ZKBYM | SSCW193006N | SCREW:BIND HD +             | M3X6 NI               | 2     |
| AT384ZKBYM | SSCW193006N | SCREW:BIND HD +             | M3X6 NI               | 3     |
| AT384ZKBYM | SSCW193008B | SCREW:BIND HD +             | M3X8 BLK NI           | 1     |
| AT384ZKBYM | SSCW193010N | SCREW:BIND HD +             | M3X10 NI              | 1     |
| AT384ZKBYM | SSCW343006B | SCREW:TAPTIGHT BIND HD +    | M3X6 BLK NI           | 1     |
| AT384ZKBYM | SSCW343006N | SCREW:TAPTIGHT BIND HD +    | M3X6 NI               | 1     |
| AT384ZKBYM | SSCW450030N | NUT:HEX                     | M3 NI                 | 1     |
| AT384ZKBYM | SSCW480030N | NUT:FLANGE                  | M3 NI                 | 1     |
| AT384ZKBYM | SSCW802608N | SCREW:P TIGHT BIND HD +     | D2.6X8 NI             | 1     |
| AT384ZKBYM | TSTD0150007 | TERMINAL:LUG SOLDER         | D3.2XL14              |       |
| AT384ZKBYM | TSTD0200006 | SPRING PLATE:KNOB           | D6XL5.2               |       |
| AT384ZKXYE | BMKG0656001 | MICROPHONE                  | MK-656 IP743-H010605  | MC951 |
| AT384ZKXYM | GMSC480407A | SCREW:MOUNTING              | ABS,BLACK             |       |
| AT384ZKXYM | HBCT4E6444Z | MOUNTING BRACKET            | SPCC                  |       |
| AT384ZKXYM | HMHG402919Z | HANGER:MICROPHONE           | SPCC,1.0T,NI          |       |
| AT384ZKXYM | LWSR450288Z | RUBBER WASHER               | EPDM                  |       |
| AT384ZKXYM | SSCW293508N | SCREW:TAPPING ROUND HD +    | D3.5X8 NI             | 1     |
| AT384ZKXYM | SSCW295010N | SCREW:TAPPING ROUND HD +    | D5X10 NI              | 1     |
| AT384ZKXYM | SSCW530035N | WASHER:LOCK                 | D3.5 NI               | 1     |

|            |             |                     |       |   |
|------------|-------------|---------------------|-------|---|
| AT384ZKXYM | SSCW540050N | WASHER:STAR         | D5 NI | 1 |
| AT384ZKXYM | UTZZ01380ZZ | OWNERS MANUAL       | **    |   |
| AT384ZKXYM | WBAG4C2090Z | PACKING BAG         | **    |   |
| AT384ZKXYM | WBAG4C3715Z | PACKING BAG         | **    |   |
| AT384ZKXYM | WBAG4C3716Z | PACKING BAG         | **    |   |
| AT384ZKXYM | WBAG4C3719A | PACKING BAG         | **    |   |
| AT384ZKXYM | WBAG4C3877Z | PACKING BAG         | **    |   |
| AT384ZKXYM | WBXZ3E8936A | DISPLAY BOX         | **    |   |
| AT384ZKXYM | WCTZ3E8937Z | SHIPPING CARTON BOX | **    |   |
| AT384ZKXYM | WSLV3E8067Z | SLEEVE              | **    |   |
| AT384ZKXYM | WSLV4E8068Z | SLEEVE              | **    |   |
| AT384ZKXYM | WSLV4E8069Z | SLEEVE              | **    |   |
| AT384ZKXYM | WSLV4E8156Z | SLEEVE              | **    |   |