

# WM-D6C/TC-D6C

## SONY SERVICE MANUAL

US Model  
Canadian Model  
AEP Model  
UK Model  
E Model

## SUPPLEMENT-2

File this supplement with the service manual.

**Subject: Change of the Main Board.**

This Supplement-2 contains only the information about WM-D6C.

The printed circuit boards changes to the new one.

The spectral skewing board and the DC-DC board are built in the new main board.

| Destination | Serial No.    |
|-------------|---------------|
| US          | After 267,201 |
| Canadian    | After 270,001 |
| AEP         | After 269,301 |
| UK          | After 269,601 |
| E           | After 270,001 |

- SCHEMATIC DIAGRAM
- PRINTED WIRING BOARD
- ELECTRICAL PARTS LIST

Sony Corporation  
General Audio Group

English  
94C05103-1  
Printed in Japan  
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Published by Audio Sector Quality Assurance Dept.

AUTO OFF

LED

### SECTION 5 EXPLODED VIEWS AND PARTS LIST (Service Manual see pages 31 to 36)

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms.  
METAL: Metal-film resistor.  
METAL OXIDE: Metal oxide-film resistor.  
F: nonflammable

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A., uPA...:  $\mu$ PA.,  
uPB...:  $\mu$ PB., uPC...:  $\mu$ PC., uPD...:  $\mu$ PD.
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

When indicating parts by reference number, please include the board.

| Ref. No. | Part No.     | Description                       | Remark |
|----------|--------------|-----------------------------------|--------|
| *        | A-3060-814-A | AUTO OFF BOARD, COMPLETE<br>***** |        |
| *        | 3-308-430-00 | RETAINER, REFLECTOR, PHOTO        |        |

#### < CAPACITOR >

|      |              |               |       |     |     |
|------|--------------|---------------|-------|-----|-----|
| C701 | 1-163-038-00 | CERAMIC CHIP  | 0.1uF |     | 25V |
| C702 | 1-135-161-21 | TANTALUM CHIP | 22uF  | 10% | 10V |
| C703 | 1-163-097-00 | CERAMIC CHIP  | 15PF  | 5%  | 50V |
| C704 | 1-163-097-00 | CERAMIC CHIP  | 15PF  | 5%  | 50V |
| C705 | 1-163-105-00 | CERAMIC CHIP  | 33PF  | 5%  | 50V |

|      |              |               |      |     |     |
|------|--------------|---------------|------|-----|-----|
| C706 | 1-135-159-21 | TANTALUM CHIP | 10uF | 10% | 20V |
|------|--------------|---------------|------|-----|-----|

#### < DIODE >

|      |              |       |        |  |  |
|------|--------------|-------|--------|--|--|
| D701 | 8-719-801-78 | DIODE | 1SS184 |  |  |
|------|--------------|-------|--------|--|--|

#### < IC >

|       |              |    |            |  |  |
|-------|--------------|----|------------|--|--|
| IC701 | 8-759-958-14 | IC | MSM58141RS |  |  |
|-------|--------------|----|------------|--|--|

#### < PHOTO INTERRUPTER >

|       |              |       |             |  |  |
|-------|--------------|-------|-------------|--|--|
| PH701 | 8-719-751-42 | DIODE | NJL5141E-AA |  |  |
|-------|--------------|-------|-------------|--|--|

#### < TRANSISTOR >

|      |              |            |              |  |  |
|------|--------------|------------|--------------|--|--|
| Q701 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 |  |  |
| Q702 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 |  |  |
| Q703 | 8-729-420-50 | TRANSISTOR | UN5215       |  |  |
| Q704 | 8-729-420-50 | TRANSISTOR | UN5215       |  |  |

#### < RESISTOR >

|      |              |             |      |    |       |
|------|--------------|-------------|------|----|-------|
| R701 | 1-216-057-00 | METAL CHIP  | 2.2K | 5% | 1/10W |
| R702 | 1-216-109-00 | METAL CHIP  | 330K | 5% | 1/10W |
| R703 | 1-216-097-00 | METAL CHIP  | 100K | 5% | 1/10W |
| R704 | 1-216-103-91 | METAL GLAZE | 180K | 5% | 1/10W |
| R705 | 1-216-103-91 | METAL GLAZE | 180K | 5% | 1/10W |

|      |              |             |      |    |       |
|------|--------------|-------------|------|----|-------|
| R706 | 1-216-089-91 | METAL GLAZE | 47K  | 5% | 1/10W |
| R708 | 1-216-081-00 | METAL CHIP  | 22K  | 5% | 1/10W |
| R710 | 1-216-101-00 | METAL CHIP  | 150K | 5% | 1/10W |
| R711 | 1-216-057-00 | METAL CHIP  | 2.2K | 5% | 1/10W |
| R712 | 1-216-097-00 | METAL CHIP  | 100K | 5% | 1/10W |

| Ref. No. | Part No.     | Description | Remark        |
|----------|--------------|-------------|---------------|
| R713     | 1-216-121-00 | METAL CHIP  | 1M 5% 1/10W   |
| R714     | 1-216-081-00 | METAL CHIP  | 22K 5% 1/10W  |
| R715     | 1-216-129-00 | METAL CHIP  | 2.2M 5% 1/10W |
| R716     | 1-216-031-00 | METAL CHIP  | 180 5% 1/10W  |

#### < VIBRATOR >

|      |              |                               |  |  |  |
|------|--------------|-------------------------------|--|--|--|
| X701 | 1-527-957-00 | OSCILLATOR, CRYSTAL (34.7KHz) |  |  |  |
|------|--------------|-------------------------------|--|--|--|

#### < SWITCH >

|   |              |                              |  |  |  |
|---|--------------|------------------------------|--|--|--|
| * | A-3060-816-A | LED BOARD, COMPLETE<br>***** |  |  |  |
|---|--------------|------------------------------|--|--|--|

|   |              |                     |  |  |  |
|---|--------------|---------------------|--|--|--|
| * | 3-305-888-00 | RETAINER            |  |  |  |
|   | 3-305-897-00 | HOLDER, LED         |  |  |  |
|   | 3-557-575-00 | SPRING, COMPRESSION |  |  |  |
|   | 3-831-441-XX | SPACER              |  |  |  |
|   | 4-017-441-01 | CUSHION (B)         |  |  |  |

|  |              |                           |  |  |  |
|--|--------------|---------------------------|--|--|--|
|  | 7-627-451-38 | SCREW, PRECISION *K 1.4X2 |  |  |  |
|--|--------------|---------------------------|--|--|--|

#### < CAPACITOR >

|      |              |              |       |     |      |
|------|--------------|--------------|-------|-----|------|
| C801 | 1-126-193-11 | ELECT        | 1uF   | 20% | 50V  |
| C802 | 1-126-603-11 | ELECT CHIP   | 4.7uF | 20% | 35V  |
| C803 | 1-124-778-00 | ELECT CHIP   | 22uF  | 20% | 6.3V |
| C804 | 1-135-091-91 | TANTAL. CHIP | 1uF   | 20% | 16V  |

#### < DIODE >

|      |              |       |         |  |  |
|------|--------------|-------|---------|--|--|
| D801 | 8-719-915-54 | DIODE | SLP159B |  |  |
| D802 | 8-719-915-54 | DIODE | SLP159B |  |  |
| D803 | 8-719-915-54 | DIODE | SLP159B |  |  |
| D804 | 8-719-915-54 | DIODE | SLP159B |  |  |
| D805 | 8-719-915-54 | DIODE | SLP159B |  |  |

#### < IC >

|       |              |    |            |  |  |
|-------|--------------|----|------------|--|--|
| IC801 | 8-752-060-72 | IC | CX10043-T4 |  |  |
|-------|--------------|----|------------|--|--|

#### < TRANSISTOR >

|      |              |            |              |  |  |
|------|--------------|------------|--------------|--|--|
| Q801 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 |  |  |
|------|--------------|------------|--------------|--|--|

| Ref. No.     | Part No.     | Description | Remark        |
|--------------|--------------|-------------|---------------|
| < RESISTOR > |              |             |               |
| R801         | 1-216-073-00 | METAL CHIP  | 10K 5% 1/10W  |
| R802         | 1-216-073-00 | METAL CHIP  | 10K 5% 1/10W  |
| R804         | 1-216-097-00 | METAL CHIP  | 100K 5% 1/10W |
| R805         | 1-216-073-00 | METAL CHIP  | 10K 5% 1/10W  |
| R806         | 1-216-097-00 | METAL CHIP  | 100K 5% 1/10W |
| R807         | 1-216-073-00 | METAL CHIP  | 10K 5% 1/10W  |
| R808         | 1-216-075-00 | METAL CHIP  | 12K 5% 1/10W  |
| R809         | 1-216-091-00 | METAL CHIP  | 56K 5% 1/10W  |
| R810         | 1-216-093-00 | METAL CHIP  | 68K 5% 1/10W  |
| R811         | 1-216-065-00 | METAL CHIP  | 4.7K 5% 1/10W |

|      |              |            |               |
|------|--------------|------------|---------------|
| R812 | 1-216-071-00 | METAL CHIP | 8.2K 5% 1/10W |
| R813 | 1-216-001-00 | METAL CHIP | 10 5% 1/10W   |
| R814 | 1-216-031-00 | METAL CHIP | 180 5% 1/10W  |
| R815 | 1-216-031-00 | METAL CHIP | 180 5% 1/10W  |
| R816 | 1-216-031-00 | METAL CHIP | 180 5% 1/10W  |

|      |              |            |              |
|------|--------------|------------|--------------|
| R817 | 1-216-031-00 | METAL CHIP | 180 5% 1/10W |
| R818 | 1-216-031-00 | METAL CHIP | 180 5% 1/10W |
| R819 | 1-216-049-00 | METAL CHIP | 1K 5% 1/10W  |

#### < SWITCH >

|      |              |                           |  |  |  |
|------|--------------|---------------------------|--|--|--|
| S801 | 1-554-746-11 | SWITCH, SLIDE (PEAK/BATT) |  |  |  |
| S802 | 1-552-642-00 | SWITCH (DOLBY NR)         |  |  |  |
| S803 | 1-552-642-00 | SWITCH (TAPE)             |  |  |  |

#### < CAPACITOR >

|      |              |               |          |     |      |
|------|--------------|---------------|----------|-----|------|
| C131 | 1-135-177-21 | TANTALUM CHIP | 1uF      | 20% | 20V  |
| C132 | 1-135-177-21 | TANTALUM CHIP | 1uF      | 20% | 20V  |
| C133 | 1-104-551-11 | FILM CHIP     | 0.01uF   | 5%  | 16V  |
| C134 | 1-163-011-11 | CERAMIC CHIP  | 0.0015uF | 10% | 50V  |
| C135 | 1-135-177-21 | TANTALUM CHIP | 1uF      | 20% | 20V  |
| C136 | 1-135-177-21 | TANTALUM CHIP | 1uF      | 20% | 20V  |
| C137 | 1-126-205-11 | ELECT CHIP    | 47uF     | 20% | 6.3V |
| C138 | 1-126-206-11 | ELECT CHIP    | 100uF    | 20% | 6.3V |
| C139 | 1-126-601-11 | ELECT CHIP    | 2.2uF    | 20% | 50V  |
| C141 | 1-163-007-11 | CERAMIC CHIP  | 680PF    | 10% | 50V  |

|      |              |               |         |     |     |
|------|--------------|---------------|---------|-----|-----|
| C142 | 1-135-070-00 | TANTALUM CHIP | 0.1uF   | 10% | 35V |
| C143 | 1-135-179-21 | TANTAL. CHIP  | 2.2uF   | 10% | 16V |
| C144 | 1-135-210-11 | TANTALUM CHIP | 4.7uF   | 20% | 10V |
| C145 | 1-104-551-11 | FILM CHIP     | 0.01uF  | 5%  | 16V |
| C146 | 1-104-553-11 | FILM CHIP     | 0.015uF | 5%  | 16V |

|      |              |                |         |        |      |
|------|--------------|----------------|---------|--------|------|
| C147 | 1-104-552-11 | FILM CHIP      | 0.012uF | 5%     | 16V  |
| C148 | 1-104-553-11 | FILM CHIP      | 0.015uF | 5%     | 16V  |
| C149 | 1-109-809-91 | CAP. CHIP MICA | 2.2PF   | 0.25PF | 100V |
| C151 | 1-163-988-11 | CERAMIC CHIP   | 180PF   | 5%     | 100V |
| C152 | 1-163-009-11 | CERAMIC CHIP   | 0.001uF | 10%    | 50V  |

|      |              |               |         |     |     |
|------|--------------|---------------|---------|-----|-----|
| C101 | 1-128-594-11 | ELECT CHIP    | 1uF     | 20% | 50V |
| C102 | 1-163-009-11 | CERAMIC CHIP  | 0.001uF | 10% | 50V |
| C103 | 1-126-207-11 | ELECT CHIP    | 33uF    | 20% | 4V  |
| C104 | 1-135-177-21 | TANTALUM CHIP | 1uF     | 20% | 20V |
| C105 | 1-135-177-21 | TANTALUM CHIP | 1uF     | 20% | 20V |

|      |              |               |          |     |      |
|------|--------------|---------------|----------|-----|------|
| C106 | 1-163-009-11 | CERAMIC CHIP  | 0.001uF  | 10% | 50V  |
| C107 | 1-126-603-11 | ELECT CHIP    | 4.7uF    | 20% | 35V  |
| C108 | 1-163-019-00 | CERAMIC CHIP  | 0.0068uF | 10% | 50V  |
| C109 | 1-163-007-11 | CERAMIC CHIP  | 680PF    | 10% | 50V  |
| C110 | 1-135-181-21 | TANTALUM CHIP | 4.7uF    | 20% | 6.3V |

|      |              |               |         |     |      |
|------|--------------|---------------|---------|-----|------|
| C111 | 1-163-009-11 | CERAMIC CHIP  | 0.001uF | 10% | 50V  |
| C112 | 1-135-181-21 | TANTALUM CHIP | 4.7uF   | 20% | 6.3V |

LED

MAIN

MAIN

| Ref. No. | Part No.     | Description   | Remark          |
|----------|--------------|---------------|-----------------|
| C113     | 1-163-006-11 | CERAMIC CHIP  | 560PF 10% 50V   |
| C114     | 1-104-555-11 | FILM CHIP     | 0.022uF 5% 16V  |
| C115     | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V     |
| C116     | 1-104-547-11 | FILM CHIP     | 0.0047uF 5% 16V |
| C117     | 1-163-121-00 | CERAMIC CHIP  | 150PF 5% 50V    |
| C118     | 1-104-551-11 | FILM CHIP     | 0.01uF 5% 16V   |
| C119     | 1-104-551-11 | FILM CHIP     | 0.01uF 5% 16V   |
| C120     | 1-135-201-11 | TANTALUM CHIP | 10uF 20% 4V     |
| C121     | 1-163-024-00 | CERAMIC CHIP  | 0.018uF 10% 50V |
| C122     | 1-126-193-11 | ELECT         | 1uF 20% 50V     |
| C123     | 1-135-072-21 | TANTALUM CHIP | 0.22uF 10% 35V  |
| C124     | 1-104-559-11 | FILM CHIP     | 0.047uF 5% 16V  |
| C125     | 1-104-559-11 | FILM CHIP     | 0.047uF 5% 16V  |

|      |              |               |                  |
|------|--------------|---------------|------------------|
| C126 | 1-104-559-11 | FILM CHIP     | 0.047uF 5% 16V   |
| C127 | 1-135-070-00 | TANTALUM CHIP | 0.1uF 10% 35V    |
| C128 | 1-135-072-21 | TANTALUM CHIP | 0.22uF 10% 35V   |
| C129 | 1-163-020-00 | CERAMIC CHIP  | 0.0082uF 10% 50V |
| C130 | 1-126-190-11 | ELECT         | 0.33uF 20% 50V   |

|      |              |               |                  |
|------|--------------|---------------|------------------|
| C131 | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V      |
| C132 | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V      |
| C133 | 1-104-551-11 | FILM CHIP     | 0.01uF 5% 16V    |
| C134 | 1-163-011-11 | CERAMIC CHIP  | 0.0015uF 10% 50V |
| C135 | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V      |

|      |              |               |                |
|------|--------------|---------------|----------------|
| C136 | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V    |
| C137 | 1-126-205-11 | ELECT CHIP    | 47uF 20% 6.3V  |
| C138 | 1-126-206-11 | ELECT CHIP    | 100uF 20% 6.3V |
| C139 | 1-126-601-11 | ELECT CHIP    | 2.2uF 20% 50V  |
| C141 | 1-163-007-11 | CERAMIC CHIP  | 680PF 10% 50V  |

|      |              |               |                |
|------|--------------|---------------|----------------|
| C142 | 1-135-070-00 | TANTALUM CHIP | 0.1uF 10% 35V  |
| C143 | 1-135-179-21 | TANTAL. CHIP  | 2.2uF 10% 16V  |
| C144 | 1-135-210-11 | TANTALUM CHIP | 4.7uF 20% 10V  |
| C145 | 1-104-551-11 | FILM CHIP     | 0.01uF 5% 16V  |
| C146 | 1-104-553-11 | FILM CHIP     | 0.015uF 5% 16V |

|      |              |                |                   |
|------|--------------|----------------|-------------------|
| C147 | 1-104-552-11 | FILM CHIP      | 0.012uF 5% 16V    |
| C148 | 1-104-553-11 | FILM CHIP      | 0.015uF 5% 16V    |
| C149 | 1-109-809-91 | CAP. CHIP MICA | 2.2PF 0.25PF 100V |
| C151 | 1-163-988-11 | CERAMIC CHIP   | 180PF 5% 100V     |
| C152 | 1-163-009-11 | CERAMIC CHIP   | 0.001uF 10% 50V   |

|      |              |              |                  |
|------|--------------|--------------|------------------|
| C153 | 1-163-011-11 | CERAMIC CHIP | 0.0015uF 10% 50V |
| C154 | 1-163-117-00 | CERAMIC CHIP | 100PF 5% 50V     |
| C155 | 1-163-006-11 | CERAMIC CHIP | 560PF 10% 50V    |
| C201 | 1-128-594-11 | ELECT CHIP   | 1uF 20% 50V      |
| C202 | 1-163-009-11 | CERAMIC CHIP | 0.001uF 10% 50V  |

|      |              |               |                 |
|------|--------------|---------------|-----------------|
| C203 | 1-126-207-11 | ELECT CHIP    | 33uF 20% 4V     |
| C204 | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V     |
| C205 | 1-135-177-21 | TANTALUM CHIP | 1uF 20% 20V     |
| C206 | 1-163-009-11 | CERAMIC CHIP  | 0.001uF 10% 50V |
| C207 | 1-126-603-11 | ELECT CHIP    | 4.7uF 20% 35V   |

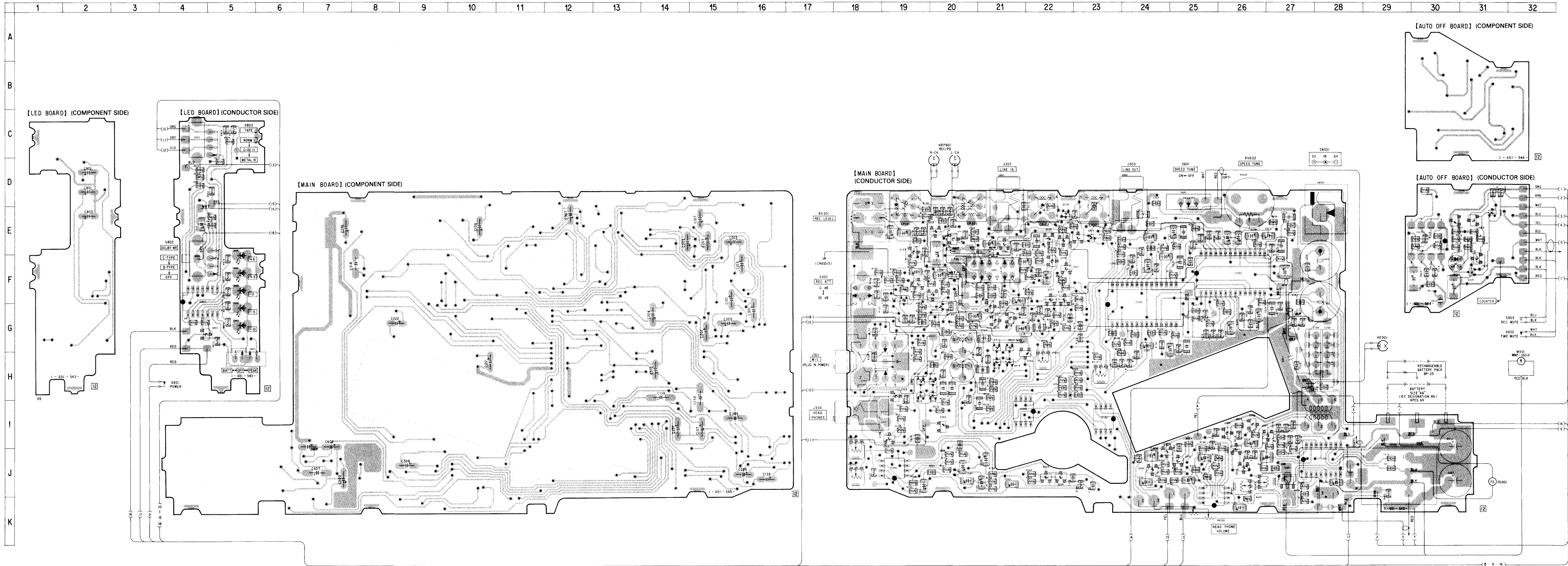
| Ref. No. | Part No.     | Description   |          | Remark   |
|----------|--------------|---------------|----------|----------|
| C208     | 1-163-019-00 | CERAMIC CHIP  | 0.0068uF | 10% 50V  |
| C209     | 1-163-007-11 | CERAMIC CHIP  | 680PF    | 10% 50V  |
| C210     | 1-135-181-21 | TANTALUM CHIP | 4.7uF    | 20% 6.3V |
| C211     | 1-163-009-11 | CERAMIC CHIP  | 0.001uF  | 10% 50V  |
| C212     | 1-135-181-21 | TANTALUM CHIP | 4.7uF    | 20% 6.3V |
| C213     | 1-163-006-11 | CERAMIC CHIP  | 560PF    | 10% 50V  |
| C214     | 1-104-555-11 | FILM CHIP     | 0.022uF  | 5% 16V   |
| C215     | 1-135-177-21 | TANTALUM CHIP | 1uF      | 20% 20V  |
| C216     | 1-104-547-11 | FILM CHIP     | 0.0047uF | 5% 16V   |
| C217     | 1-163-121-00 | CERAMIC CHIP  | 150PF    | 5% 50V   |

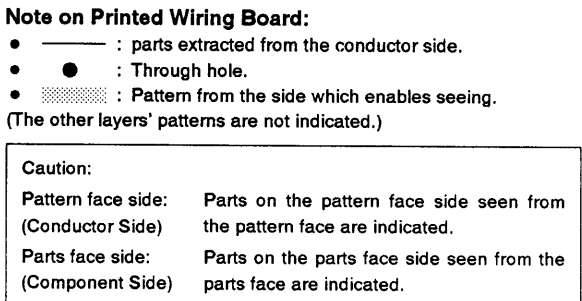
SECTION 4 DIAGRAMS  
(Service Manual see pages 20 to 25)

PRINTED WIRING BOARDS

• Semiconductor  
Location

| Ref. No. | Location |
|----------|----------|
| D302     | H-21     |
| D303     | I-20     |
| D701     | E-30     |
| D801     | G-5      |
| D802     | G-5      |
| D803     | F-5      |
| D804     | F-5      |
| D805     | F-5      |
| IC101    | G-24     |
| IC102    | I-23     |
| IC201    | F-26     |
| IC202    | I-21     |
| IC301    | J-25     |
| IC302    | J-19     |
| IC601    | J-28     |
| IC701    | E-30     |
| IC801    | F-4      |
| PH701    | F-30     |
| Q101     | F-19     |
| Q102     | F-19     |
| Q103     | E-19     |
| Q104     | E-21     |
| Q105     | E-22     |
| Q106     | F-22     |
| Q107     | F-22     |
| Q108     | I-19     |
| Q109     | J-22     |
| Q201     | G-20     |
| Q202     | F-20     |
| Q203     | E-20     |
| Q204     | G-21     |
| Q205     | G-21     |
| Q206     | G-21     |
| Q207     | F-22     |
| Q208     | H-19     |
| Q209     | J-22     |
| Q301     | E-20     |
| Q302     | J-25     |
| Q303     | J-24     |
| Q304     | J-24     |
| Q305     | J-26     |
| Q306     | J-26     |
| Q307     | I-27     |
| Q308     | I-26     |
| Q309     | I-26     |
| Q310     | H-19     |
| Q311     | H-20     |
| Q312     | H-19     |
| Q313     | H-20     |
| Q314     | H-21     |
| Q315     | H-21     |
| Q316     | G-21     |
| Q317     | G-21     |
| Q318     | E-22     |
| Q319     | E-23     |
| Q320     | E-23     |
| Q321     | F-22     |
| Q322     | E-22     |
| Q601     | J-27     |
| Q701     | F-31     |
| Q702     | E-31     |
| Q703     | F-31     |
| Q704     | E-31     |
| Q801     | G-4      |





MAIN

MAIN

| Ref. No.       | Part No.                                          | Description        | Remark |
|----------------|---------------------------------------------------|--------------------|--------|
| < IC >         |                                                   |                    |        |
| IC101          | 8-752-070-19 IC                                   | CX20218-T6         |        |
| IC102          | 8-759-700-50 IC                                   | NJM386M            |        |
| IC201          | 8-752-070-19 IC                                   | CX20218-T6         |        |
| IC202          | 8-759-700-50 IC                                   | NJM386M            |        |
| IC301          | 8-759-100-96 IC                                   | uPC455862          |        |
| IC302          | 8-759-100-96 IC                                   | uPC455862          |        |
| IC601          | 8-759-909-45 IC                                   | CX20084            |        |
| < JACK >       |                                                   |                    |        |
| J301           | 1-507-794-31 JACK, SMALL TYPE (WITH SWITCH) (MIC) |                    |        |
| J302           | 1-507-929-41 JACK (LINE IN)                       |                    |        |
| J303           | 1-507-929-41 JACK (LINE OUT)                      |                    |        |
| J304           | 1-507-929-11 JACK (HEADPHONES)                    |                    |        |
| < COIL >       |                                                   |                    |        |
| L101           | 1-408-682-00 INDUCTOR                             | 10mH               |        |
| L102           | 1-408-930-00 INDUCTOR                             | 33mH               |        |
| L201           | 1-408-682-00 INDUCTOR                             | 10mH               |        |
| L202           | 1-408-930-00 INDUCTOR                             | 33mH               |        |
| L301           | 1-410-198-51 INDUCTOR CHIP                        | 3.3uH              |        |
| < TRANSISTOR > |                                                   |                    |        |
| Q101           | 8-729-013-29 TRANSISTOR                           | 2SA1587-GRBL-TE85L |        |
| Q102           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q103           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q104           | 8-729-016-80 TRANSISTOR                           | 2SC2412KLN-T146-R  |        |
| Q105           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q106           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q107           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q108           | 8-729-920-31 TRANSISTOR                           | DTC343TK           |        |
| Q109           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q201           | 8-729-013-29 TRANSISTOR                           | 2SA1587-GRBL-TE85L |        |
| Q202           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q203           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q204           | 8-729-016-80 TRANSISTOR                           | 2SC2412KLN-T146-R  |        |
| Q205           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q206           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q207           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q208           | 8-729-920-31 TRANSISTOR                           | DTC343TK           |        |
| Q209           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q301           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q302           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q303           | 8-729-162-45 TRANSISTOR                           | 2SB624-BV5         |        |
| Q304           | 8-729-120-28 TRANSISTOR                           | 2SC1623-L5L6       |        |
| Q305           | 8-729-920-31 TRANSISTOR                           | DTC343TK           |        |
| Q306           | 8-729-920-31 TRANSISTOR                           | DTC343TK           |        |
| Q307           | 8-729-141-75 TRANSISTOR                           | 2SD596DV345        |        |

| Ref. No.     | Part No.                 | Description  | Remark |
|--------------|--------------------------|--------------|--------|
| Q308         | 8-729-162-45 TRANSISTOR  | 2SB624-BV5   |        |
| Q309         | 8-729-120-28 TRANSISTOR  | 2SC1623-L5L6 |        |
| Q310         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q311         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q312         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q313         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q314         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q315         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q316         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q317         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q318         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q319         | 8-729-420-50 TRANSISTOR  | UN5215       |        |
| Q320         | 8-729-120-28 TRANSISTOR  | 2SC1623-L5L6 |        |
| Q321         | 8-729-120-28 TRANSISTOR  | 2SC1623-L5L6 |        |
| Q322         | 8-729-216-22 TRANSISTOR  | 2SA1162-G    |        |
| Q601         | 8-729-101-07 TRANSISTOR  | 2SB798-DL    |        |
| < RESISTOR > |                          |              |        |
| R101         | 1-216-097-00 METAL CHIP  | 100K 5%      | 1/10W  |
| R102         | 1-216-083-00 METAL CHIP  | 27K 5%       | 1/10W  |
| R103         | 1-216-073-00 METAL CHIP  | 10K 5%       | 1/10W  |
| R104         | 1-216-029-00 METAL CHIP  | 150 5%       | 1/10W  |
| R105         | 1-216-085-00 METAL CHIP  | 33K 5%       | 1/10W  |
| R106         | 1-216-053-00 METAL CHIP  | 1.5K 5%      | 1/10W  |
| R107         | 1-216-063-00 METAL CHIP  | 3.9K 5%      | 1/10W  |
| R108         | 1-216-081-00 METAL CHIP  | 22K 5%       | 1/10W  |
| R109         | 1-216-113-00 METAL CHIP  | 470K 5%      | 1/10W  |
| R110         | 1-216-121-00 METAL CHIP  | 1M 5%        | 1/10W  |
| R111         | 1-216-067-00 METAL CHIP  | 5.6K 5%      | 1/10W  |
| R112         | 1-216-047-00 METAL CHIP  | 820 5%       | 1/10W  |
| R113         | 1-216-095-00 METAL CHIP  | 82K 5%       | 1/10W  |
| R114         | 1-216-095-00 METAL CHIP  | 82K 5%       | 1/10W  |
| R115         | 1-216-027-00 METAL CHIP  | 120 5%       | 1/10W  |
| R116         | 1-216-067-00 METAL CHIP  | 5.6K 5%      | 1/10W  |
| R117         | 1-216-097-00 METAL CHIP  | 100K 5%      | 1/10W  |
| R118         | 1-216-037-00 METAL CHIP  | 330 5%       | 1/10W  |
| R119         | 1-216-075-00 METAL CHIP  | 12K 5%       | 1/10W  |
| R120         | 1-216-053-00 METAL CHIP  | 1.5K 5%      | 1/10W  |
| R121         | 1-216-099-00 METAL CHIP  | 120K 5%      | 1/10W  |
| R122         | 1-216-069-00 METAL CHIP  | 6.8K 5%      | 1/10W  |
| R123         | 1-216-071-00 METAL CHIP  | 8.2K 5%      | 1/10W  |
| R124         | 1-216-075-00 METAL CHIP  | 12K 5%       | 1/10W  |
| R125         | 1-216-079-00 METAL CHIP  | 18K 5%       | 1/10W  |
| R126         | 1-216-113-00 METAL CHIP  | 470K 5%      | 1/10W  |
| R127         | 1-216-061-00 METAL CHIP  | 3.3K 5%      | 1/10W  |
| R128         | 1-216-068-00 METAL CHIP  | 6.2K 5%      | 1/10W  |
| R129         | 1-216-066-00 METAL CHIP  | 5.1K 5%      | 1/10W  |
| R130         | 1-216-092-00 METAL GLAZE | 62K 5%       | 1/10W  |

| Ref. No. | Part No.                 | Description | Remark |
|----------|--------------------------|-------------|--------|
| R131     | 1-216-056-00 METAL GLAZE | 2K 5%       | 1/10W  |
| R132     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R133     | 1-216-056-00 METAL GLAZE | 2K 5%       | 1/10W  |
| R134     | 1-216-689-11 METAL CHIP  | 39K 0.5%    | 1/10W  |
| R135     | 1-216-090-00 METAL CHIP  | 51K 5%      | 1/10W  |
| R136     | 1-216-109-00 METAL CHIP  | 330K 5%     | 1/10W  |
| R137     | 1-216-049-00 METAL CHIP  | 1K 5%       | 1/10W  |
| R138     | 1-216-076-00 METAL CHIP  | 13K 5%      | 1/10W  |
| R139     | 1-216-076-00 METAL CHIP  | 13K 5%      | 1/10W  |
| R140     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R141     | 1-216-045-00 METAL CHIP  | 680 5%      | 1/10W  |
| R142     | 1-216-056-00 METAL GLAZE | 2K 5%       | 1/10W  |
| R143     | 1-216-053-00 METAL CHIP  | 1.5K 5%     | 1/10W  |
| R144     | 1-216-089-91 METAL GLAZE | 47K 5%      | 1/10W  |
| R145     | 1-216-091-00 METAL CHIP  | 56K 5%      | 1/10W  |
| R146     | 1-216-073-00 METAL CHIP  | 10K 5%      | 1/10W  |
| R147     | 1-216-057-00 METAL CHIP  | 2.2K 5%     | 1/10W  |
| R148     | 1-216-057-00 METAL CHIP  | 2.2K 5%     | 1/10W  |
| R149     | 1-216-077-00 METAL CHIP  | 15K 5%      | 1/10W  |
| R150     | 1-216-089-91 METAL GLAZE | 47K 5%      | 1/10W  |
| R151     | 1-216-039-00 METAL CHIP  | 390 5%      | 1/10W  |
| R152     | 1-216-005-00 METAL CHIP  | 15 5%       | 1/10W  |
| R154     | 1-216-108-00 METAL GLAZE | 300K 5%     | 1/10W  |
| R155     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R156     | 1-216-091-00 METAL CHIP  | 56K 5%      | 1/10W  |
| R157     | 1-216-097-00 METAL CHIP  | 100K 5%     | 1/10W  |
| R158     | 1-216-063-00 METAL CHIP  | 3.9K 5%     | 1/10W  |
| R159     | 1-216-069-00 METAL CHIP  | 6.8K 5%     | 1/10W  |
| R160     | 1-216-073-00 METAL CHIP  | 10K 5%      | 1/10W  |
| R161     | 1-216-033-00 METAL CHIP  | 220 5%      | 1/10W  |
| R162     | 1-216-029-00 METAL CHIP  | 150 5%      | 1/10W  |
| R163     | 1-216-035-00 METAL CHIP  | 270 5%      | 1/10W  |
| R165     | 1-216-069-00 METAL CHIP  | 6.8K 5%     | 1/10W  |
| R166     | 1-216-072-00 METAL CHIP  | 9.1K 5%     | 1/10W  |
| R167     | 1-216-097-00 METAL CHIP  | 100K 5%     | 1/10W  |
| R168     | 1-216-095-00 METAL CHIP  | 82K 5%      | 1/10W  |
| R169     | 1-216-070-00 METAL CHIP  | 7.5K 5%     | 1/10W  |
| R170     | 1-216-121-00 METAL CHIP  | 1M 5%       | 1/10W  |
| R171     | 1-216-049-00 METAL CHIP  | 1K 5%       | 1/10W  |
| R172     | 1-216-081-00 METAL CHIP  | 22K 5%      | 1/10W  |
| R201     | 1-216-097-00 METAL CHIP  | 100K 5%     | 1/10W  |
| R202     | 1-216-083-00 METAL CHIP  | 27K 5%      | 1/10W  |
| R203     | 1-216-073-00 METAL CHIP  | 10K 5%      | 1/10W  |
| R204     | 1-216-029-00 METAL CHIP  | 150 5%      | 1/10W  |
| R205     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R206     | 1-216-053-00 METAL CHIP  | 1.5K 5%     | 1/10W  |
| R207     | 1-216-063-00 METAL CHIP  | 3.9K 5%     | 1/10W  |
| R208     | 1-216-081-00 METAL CHIP  | 22K 5%      | 1/10W  |
| R209     | 1-216-113-00 METAL CHIP  | 470K 5%     | 1/10W  |

| Ref. No. | Part No.                 | Description | Remark |
|----------|--------------------------|-------------|--------|
| R210     | 1-216-121-00 METAL CHIP  | 1M 5%       | 1/10W  |
| R211     | 1-216-067-00 METAL CHIP  | 5.6K 5%     | 1/10W  |
| R212     | 1-216-047-00 METAL CHIP  | 820 5%      | 1/10W  |
| R213     | 1-216-095-00 METAL CHIP  | 82K 5%      | 1/10W  |
| R214     | 1-216-095-00 METAL CHIP  | 82K 5%      | 1/10W  |
| R215     | 1-216-027-00 METAL CHIP  | 120 5%      | 1/10W  |
| R216     | 1-216-067-00 METAL CHIP  | 5.6K 5%     | 1/10W  |
| R217     | 1-216-097-00 METAL CHIP  | 100K 5%     | 1/10W  |
| R218     | 1-216-037-00 METAL CHIP  | 330 5%      | 1/10W  |
| R219     | 1-216-075-00 METAL CHIP  | 12K 5%      | 1/10W  |
| R220     | 1-216-053-00 METAL CHIP  | 1.5K 5%     | 1/10W  |
| R221     | 1-216-099-00 METAL CHIP  | 120K 5%     | 1/10W  |
| R222     | 1-216-069-00 METAL CHIP  | 6.8K 5%     | 1/10W  |
| R223     | 1-216-071-00 METAL CHIP  | 8.2K 5%     | 1/10W  |
| R224     | 1-216-075-00 METAL CHIP  | 12K 5%      | 1/10W  |
| R225     | 1-216-079-00 METAL CHIP  | 18K 5%      | 1/10W  |
| R226     | 1-216-113-00 METAL CHIP  | 470K 5%     | 1/10W  |
| R227     | 1-216-061-00 METAL CHIP  | 3.3K 5%     | 1/10W  |
| R228     | 1-216-068-00 METAL CHIP  | 6.2K 5%     | 1/10W  |
| R229     | 1-216-066-00 METAL CHIP  | 5.1K 5%     | 1/10W  |
| R230     | 1-216-092-00 METAL GLAZE | 62K 5%      | 1/10W  |
| R231     | 1-216-056-00 METAL GLAZE | 2K 5%       | 1/10W  |
| R232     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R233     | 1-216-056-00 METAL GLAZE | 2K 5%       | 1/10W  |
| R234     | 1-216-689-11 METAL CHIP  | 39K 0.5%    | 1/10W  |
| R235     | 1-216-090-00 METAL CHIP  | 51K 5%      | 1/10W  |
| R236     | 1-216-109-00 METAL CHIP  | 330K 5%     | 1/10W  |
| R237     | 1-216-049-00 METAL CHIP  | 1K 5%       | 1/10W  |
| R238     | 1-216-076-00 METAL CHIP  | 13K 5%      | 1/10W  |
| R239     | 1-216-076-00 METAL CHIP  | 13K 5%      | 1/10W  |
| R240     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R241     | 1-216-045-00 METAL CHIP  | 680 5%      | 1/10W  |
| R242     | 1-216-056-00 METAL GLAZE | 2K 5%       | 1/10W  |
| R243     | 1-216-053-00 METAL CHIP  | 1.5K 5%     | 1/10W  |
| R244     | 1-216-089-91 METAL GLAZE | 47K 5%      | 1/10W  |
| R245     | 1-216-091-00 METAL CHIP  | 56K 5%      | 1/10W  |
| R246     | 1-216-073-00 METAL CHIP  | 10K 5%      | 1/10W  |
| R247     | 1-216-057-00 METAL CHIP  | 2.2K 5%     | 1/10W  |
| R248     | 1-216-057-00 METAL CHIP  | 2.2K 5%     | 1/10W  |
| R249     | 1-216-077-00 METAL CHIP  | 15K 5%      | 1/10W  |
| R250     | 1-216-089-91 METAL GLAZE | 47K 5%      | 1/10W  |
| R251     | 1-216-039-00 METAL CHIP  | 390 5%      | 1/10W  |
| R252     | 1-216-005-00 METAL CHIP  | 15 5%       | 1/10W  |
| R254     | 1-216-108-00 METAL GLAZE | 300K 5%     | 1/10W  |
| R255     | 1-216-085-00 METAL CHIP  | 33K 5%      | 1/10W  |
| R256     | 1-216-091-00 METAL CHIP  | 56K 5%      | 1/10W  |
| R257     | 1-216-097-00 METAL CHIP  | 100K 5%     | 1/10W  |
| R258     | 1-216-063-00 METAL CHIP  | 3.9K 5%     | 1/10W  |

| Ref. No. | Part No.     | Description |      |      |       | Remark |
|----------|--------------|-------------|------|------|-------|--------|
| R259     | 1-216-069-00 | METAL CHIP  | 6.8K | 5%   | 1/10W |        |
| R260     | 1-216-073-00 | METAL CHIP  | 10K  | 5%   | 1/10W |        |
| R261     | 1-216-033-00 | METAL CHIP  | 220  | 5%   | 1/10W |        |
| R262     | 1-216-029-00 | METAL CHIP  | 150  | 5%   | 1/10W |        |
| R263     | 1-216-035-00 | METAL CHIP  | 270  | 5%   | 1/10W |        |
| R265     | 1-216-069-00 | METAL CHIP  | 6.8K | 5%   | 1/10W |        |
| R266     | 1-216-072-00 | METAL CHIP  | 9.1K | 5%   | 1/10W |        |
| R267     | 1-216-097-00 | METAL CHIP  | 100K | 5%   | 1/10W |        |
| R268     | 1-216-095-00 | METAL CHIP  | 82K  | 5%   | 1/10W |        |
| R269     | 1-216-070-00 | METAL CHIP  | 7.5K | 5%   | 1/10W |        |
| R270     | 1-216-121-00 | METAL CHIP  | 1M   | 5%   | 1/10W |        |
| R271     | 1-216-049-00 | METAL CHIP  | 1K   | 5%   | 1/10W |        |
| R272     | 1-216-081-00 | METAL CHIP  | 22K  | 5%   | 1/10W |        |
| R301     | 1-216-075-00 | METAL CHIP  | 12K  | 5%   | 1/10W |        |
| R302     | 1-216-073-00 | METAL CHIP  | 10K  | 5%   | 1/10W |        |
| R303     | 1-216-075-00 | METAL CHIP  | 12K  | 5%   | 1/10W |        |
| R305     | 1-216-083-00 | METAL CHIP  | 27K  | 5%   | 1/10W |        |
| R306     | 1-216-081-00 | METAL CHIP  | 22K  | 5%   | 1/10W |        |
| R307     | 1-216-097-00 | METAL CHIP  | 100K | 5%   | 1/10W |        |
| R308     | 1-216-065-00 | METAL CHIP  | 4.7K | 5%   | 1/10W |        |
| R309     | 1-216-097-00 | METAL CHIP  | 100K | 5%   | 1/10W |        |
| R310     | 1-216-081-00 | METAL CHIP  | 22K  | 5%   | 1/10W |        |
| R311     | 1-216-083-00 | METAL CHIP  | 27K  | 5%   | 1/10W |        |
| R312     | 1-216-044-00 | METAL CHIP  | 620  | 5%   | 1/10W |        |
| R313     | 1-216-042-00 | METAL CHIP  | 510  | 5%   | 1/10W |        |
| R316     | 1-216-013-00 | METAL CHIP  | 33   | 5%   | 1/10W |        |
| R317     | 1-216-089-91 | METAL GLAZE | 47K  | 5%   | 1/10W |        |
| R318     | 1-216-085-00 | METAL CHIP  | 33K  | 5%   | 1/10W |        |
| R319     | 1-216-085-00 | METAL CHIP  | 33K  | 5%   | 1/10W |        |
| R320     | 1-216-099-00 | METAL CHIP  | 120K | 5%   | 1/10W |        |
| R321     | 1-216-049-00 | METAL CHIP  | 1K   | 5%   | 1/10W |        |
| R322     | 1-216-073-00 | METAL CHIP  | 10K  | 5%   | 1/10W |        |
| R323     | 1-216-089-91 | METAL GLAZE | 47K  | 5%   | 1/10W |        |
| R324     | 1-216-097-00 | METAL CHIP  | 100K | 5%   | 1/10W |        |
| R325     | 1-216-105-00 | METAL CHIP  | 220K | 5%   | 1/10W |        |
| R326     | 1-216-081-00 | METAL CHIP  | 22K  | 5%   | 1/10W |        |
| R327     | 1-216-089-91 | METAL GLAZE | 47K  | 5%   | 1/10W |        |
| R601     | 1-216-051-00 | METAL CHIP  | 1.2K | 5%   | 1/10W |        |
| R602     | 1-216-091-00 | METAL CHIP  | 56K  | 5%   | 1/10W |        |
| R603     | 1-218-756-11 | METAL CHIP  | 150K | 0.5% | 1/10W |        |
| R604     | 1-218-756-11 | METAL CHIP  | 150K | 0.5% | 1/10W |        |
| R605     | 1-216-073-00 | METAL CHIP  | 10K  | 5%   | 1/10W |        |
| R607     | 1-216-097-00 | METAL CHIP  | 100K | 5%   | 1/10W |        |
| R608     | 1-216-065-00 | METAL CHIP  | 4.7K | 5%   | 1/10W |        |
| R609     | 1-216-113-00 | METAL CHIP  | 470K | 5%   | 1/10W |        |
| R610     | 1-216-093-00 | METAL CHIP  | 68K  | 5%   | 1/10W |        |
| R611     | 1-216-113-00 | METAL CHIP  | 470K | 5%   | 1/10W |        |