

**Pioneer**

# Service Manual

ORDER NO.  
RRV2095

DVD LD PLAYER

# DVL-919E

● Refer to the service manual RRV1888 for DVL-909/WY.

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

| Type  | Model    | Power Requirement | Region No. | Remarks |
|-------|----------|-------------------|------------|---------|
|       | DVL-919E |                   |            |         |
| WY    | ○        | AC220-240V        | 2          |         |
| WY/RD | ○        | AC220-240V        | 4          |         |
| WY/RE | ○        | AC220-240V        | 5          |         |

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# 1. CONTRAST OF MISCELLANEOUS PARTS

- NOTES :
- Parts marked by “ NSP ” are generally unavailable because they are not in our Master Spare Parts List.
  - The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
  - Reference Nos. indicate the pages and Nos. in the service manual for the base model.
  - When ordering resistors, first convert resistance values into code form as shown in the following examples.
- Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).
- 560  $\Omega$   $\rightarrow$   $56 \times 10^1 \rightarrow$  561 ..... RD1/4PU 5 6 1 J  
47k  $\Omega$   $\rightarrow$   $47 \times 10^3 \rightarrow$  473 ..... RD1/4PU 4 7 3 J  
0.5  $\Omega$   $\rightarrow$  R50 ..... RN2H R 5 0 K  
1  $\Omega$   $\rightarrow$  1R0 ..... RS1P 1 R 0 K
- Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).
- 5.62k  $\Omega$   $\rightarrow$   $562 \times 10^1 \rightarrow$  5621 ..... RN1/4PC 5 6 2 1 F

## ■ CONTRAST TABLE

DVL-919E/WY, WY/RD, WY/RE and DVL-909/WY are constructed the same except for the following:

| Ref. No.                                 | Mark | Symbol and Description                                                                                                                          | Part No.                                  |                                           |                                           |                                          | Remarks        |
|------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------|----------------|
|                                          |      |                                                                                                                                                 | DVL-909                                   | DVL-919E                                  |                                           |                                          |                |
|                                          |      |                                                                                                                                                 | WY                                        | WY                                        | WY/RD                                     | WY/RE                                    |                |
| P9 - 13<br>P7 - 21<br>P7 - 26            | NSP  | <b>PCB ASSEMBLIES</b><br>CLDGM ASSY<br>└ CLDM ASSY<br>└ JCKB ASSY<br>└ MSWB ASSY                                                                | VWM1806<br>VWS1332<br>VWV1578<br>VWG1895  | VWM1886<br>VWS1365<br>VWV1639<br>VWG2017  | VWM1886<br>VWS1365<br>VWV1639<br>VWG2017  | VWM1886<br>VWS1365<br>VWV1639<br>VWG2017 | *1<br>*2<br>*3 |
|                                          |      | DVDM ASSY                                                                                                                                       | VWS1328                                   | VWS1373                                   | VWS1373                                   | VWS1373                                  | *4             |
| P3 - 6<br>P3 - 6<br>P3 - 9               |      | <b>PACKING</b><br>Remote Control Unit (CU-DV013)<br>Remote Control Unit (CU-DV029)<br>Operating Instructions<br>(English/French/German/Italian) | VXX2534<br>Not used<br>VRE1069            | Not used<br>VXX2608<br>VRE1076            | Not used<br>VXX2608<br>VRE1076            | Not used<br>VXX2608<br>VRE1076           |                |
| P3 - 10                                  |      | Operating Instructions<br>(Spanish/Portuguese/Dutch/Swedish)                                                                                    | VRF1043                                   | VRF1047                                   | Not used                                  | Not used                                 |                |
| P3 - 11<br>P3 - 15<br>P3 - 16<br>P3 - 17 | NSP  | Warranty Card<br>Packing Case<br>Label<br>Label (Region)                                                                                        | ARY7008<br>VHG1724<br>Not used<br>VRW1701 | ARY7022<br>VHG1769<br>Not used<br>VRW1701 | Not used<br>VHG1769<br>VRW1761<br>VRW1705 | ARY7022<br>VHG1769<br>VRW1756<br>VRW1755 |                |
| P5 - 1<br>P5 - 18                        |      | <b>FRONT PANEL SECTION</b><br>Front Almi<br>Name Plate                                                                                          | VAH1280<br>VAM1051                        | VAH1304<br>PAN1377                        | VAH1304<br>PAN1377                        | VAH1304<br>PAN1377                       |                |
| P7 - 9<br>P7 - 10                        |      | <b>TOP VIEW SECTION</b><br>Heat Sink<br>Radiation Seat                                                                                          | VNE2134<br>VEB1282                        | Not used<br>Not used                      | Not used<br>Not used                      | Not used<br>Not used                     |                |
| P9 - 29<br>P9 - 35<br>P9 - 39            |      | <b>BOTTOM VIEW SECTION</b><br>Rear Cover<br>Housing Assy (13P)<br>Label (Region)                                                                | VNA1925<br>VKP2162<br>VRW1700             | VNA2030<br>VKP2199<br>Not used            | VNA2052<br>VKP2199<br>VRW1704             | VNA2052<br>VKP2199<br>VRW1754            |                |

\*1 : Refer to “ PCB PARTS LIST ”, “ 2. SCHEMATIC DIAGRAM ” and “ 3. PCB CONNECTION DIAGRAM ”.

\*2 : Although VWV1639 and VWV1578 are different in part number, they have same service parts.

\*3 : Although VWG2017 and VWG1895 are different in part number, they have same service parts.

\*4 : Refer to “ CONTRAST OF PCB ASSEMBLIES ”.

## ■ CONTRAST OF PCB ASSEMBLIES

### IF DVDM ASSY

VWS1373 and VWS1328 are constructed the same except for the following:

| Mark | Symbol and Description                                                    | Part No.                                                 |                                                                   | Remarks |
|------|---------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|---------|
|      |                                                                           | VWS1328                                                  | VWS1373                                                           |         |
|      | IC602<br>IC801<br>IC6003<br>R2<br>R137, R501, R502, R505, R506, R604–R607 | PDK026C<br>MB86371<br>VYW1615<br>RS1/16S103J<br>RA4C220J | PDK036A<br>MB86371C<br>VYW1597<br>RS1/16S223J<br>DCN1104<br>(20Ω) |         |
|      | R712, R713, R719, R724, R748, R749, R791                                  | RA4C220J                                                 | DCN1104<br>(20Ω)                                                  |         |
|      | R802, R803, R808, R901, R905, R907                                        | RA4C220J                                                 | DCN1104<br>(20Ω)                                                  |         |
|      | R909, R910, R912, R913, R916–R919                                         | RA4C220J                                                 | DCN1104<br>(20Ω)                                                  |         |
|      | R507, R508, R624, R628, R633, R703, R704                                  | RA4C103J                                                 | DCN1094<br>(10Ω)                                                  |         |
|      | R717, R718, R745, R746, R761, R762, R792                                  | RA4C103J                                                 | DCN1094<br>(10Ω)                                                  |         |
|      | R812, R813                                                                | RA4C103J                                                 | DCN1094<br>(10Ω)                                                  |         |
|      | R602, R603, R610, R613, R618                                              | RA4C470J                                                 | DCN1090<br>(47Ω)                                                  |         |

## ■ PCB PARTS LIST

| Mark                  | No.                        | Description  | Part No. | Mark                         | No. | Description | Part No. |
|-----------------------|----------------------------|--------------|----------|------------------------------|-----|-------------|----------|
| <b>IF CLDM ASSY</b>   |                            |              |          |                              |     |             |          |
| <b>SEMICONDUCTORS</b> |                            |              |          |                              |     |             |          |
|                       | IC761                      | BA10393F     |          | IC102                        |     | TC7S32F     |          |
|                       | IC251, IC680, IC905, IC906 | BA4560F      |          | IC205, IC207                 |     | TC7SH02F    |          |
|                       | IC203                      | CY2081SL-611 |          | IC550                        |     | TC7SU04F    |          |
|                       | IC171, IC803               | LA6510       |          | IC650                        |     | TC7W00F     |          |
|                       | IC400                      | LA7134M      |          | IC204, IC208                 |     | TC7WU04F    |          |
|                       | IC801                      | LA9425       |          | Q121, Q182, Q351, Q353, Q354 |     | 2PB709A     |          |
|                       | IC901                      | LA9430M      |          | Q356, Q411, Q451, Q456, Q461 |     | 2PB709A     |          |
|                       | IC908                      | LC78625E     |          | Q482, Q484, Q485, Q580, Q645 |     | 2PB709A     |          |
| ⚠                     | IC182, IC183               | MM6558XF     |          | Q672                         |     | 2PB709A     |          |
| ⚠                     | IC221                      | NJM78L08A    |          | Q269, Q270, Q391–Q393, Q401  |     | 2PD601A     |          |
|                       | IC222                      | NJM79L08A    |          | Q425, Q441, Q481, Q486, Q626 |     | 2PD601A     |          |
|                       | IC351                      | PA0061AM     |          | Q631, Q632, Q636, Q646, Q647 |     | 2PD601A     |          |
|                       | IC202                      | PD0236AM     |          | Q655–Q658, Q661, Q662, Q671  |     | 2PD601A     |          |
|                       | IC101                      | PD0261A2     |          | Q803, Q811, Q903–Q906        |     | 2PD601A     |          |
|                       | IC500                      | PD6159B      |          | Q834                         |     | 2SA854S     |          |
|                       | IC201                      | PE8001A      |          | Q141                         |     | 2SA933S     |          |
|                       | IC902                      | TA8410AK     |          | Q152                         |     | 2SC3082K    |          |
|                       | IC181, IC410, IC762, IC907 | TC4W53F      |          | Q261, Q262                   |     | 2SD2114K    |          |
|                       | IC620                      | TC74HC4053AF |          | Q211, Q213, Q217, Q357, Q358 |     | PDTA124EK   |          |
|                       | IC206                      | TC7S02F      |          | Q394, Q466, Q467, Q483, Q651 |     | PDTA124EK   |          |
|                       |                            |              |          | Q981                         |     | PDTA124EK   |          |
|                       |                            |              |          | Q122, Q142, Q143, Q181, Q215 |     | PDTC124EK   |          |
|                       |                            |              |          | Q218, Q233, Q652, Q901, Q908 |     | PDTC124EK   |          |
|                       |                            |              |          | D221                         |     | EC10QS04    |          |
|                       |                            |              |          | D311, D505, D510             |     | KV1851      |          |

| Mark | No.                          | Description | Part No. |
|------|------------------------------|-------------|----------|
|      | D101, D141, D181, D250, D480 |             | MA111    |
|      | D650, D655, D902, D981       |             | MA111    |
|      | D355, D356                   |             | MA152WA  |
|      | D115, D142, D143             |             | UDZS5.1B |

## COILS AND FILTERS

|                              |                     |         |
|------------------------------|---------------------|---------|
| F590                         | CHIP BEAD           | DTF1069 |
| L9231, L9232, L9584          | CHIP INPEDER        | DTL1028 |
| L413, L414                   |                     | LAU120J |
| L401                         |                     | LAU121J |
| L482                         |                     | LAU180J |
| L352, L821–L823              |                     | LAU181J |
| L201, L209, L251, L311, L312 |                     | LAU220J |
| L351, L461, L831             |                     | LAU220J |
| L412, L587                   |                     | LAU270J |
| L431, L484                   |                     | LAU330J |
| L432                         |                     | LAU390J |
| L433, L575                   |                     | LAU430J |
| L411                         |                     | LAU470J |
| L671                         |                     | LAU4R7J |
| L462                         |                     | LAU560J |
| L483                         |                     | LAU8R2J |
| L832                         |                     | LFA220J |
| L463                         |                     | LFA561J |
| F361                         | 684KHz FILTER       | VTF1035 |
| F362                         | 1066KHz FILTER      | VTF1036 |
| F571                         | 15.0MHz FILTER      | VTF1068 |
| F238–F240                    | CHIP SOLID INDUCTOR | VTF1096 |
| F573                         | 14.3MHz FILTER      | VTF1099 |
| L403, L404                   | (22μH)              | VTL1058 |
| L223, L230                   | CHIP BEADS          | VTL1098 |
| L233                         | CHIP BEADS          | VTL1101 |

## CAPACITORS

|                              |              |
|------------------------------|--------------|
| C229, C414, C418, C421, C429 | CCSQCH100D50 |
| C483, C543, C577             | CCSQCH100D50 |
| C353, C412, C655, C821       | CCSQCH101J50 |
| C837–C839, C843, C864, C865  | CCSQCH101J50 |
| C921, C943                   | CCSQCH102J50 |
| C484                         | CCSQCH120J50 |
| C413                         | CCSQCH121J50 |
| C497, C569                   | CCSQCH150J50 |
| C355, C494, C823, C901       | CCSQCH151J50 |
| C313, C352, C432             | CCSQCH180J50 |
| C205, C504, C509, C824, C973 | CCSQCH220J50 |
| C255, C256, C489, C555       | CCSQCH221J50 |
| C230, C354, C416, C428, C433 | CCSQCH270J50 |
| C485, C830                   | CCSQCH270J50 |
| C104, C105, C257, C258, C356 | CCSQCH330J50 |
| C431, C451, C458, C579, C596 | CCSQCH330J50 |
| C456                         | CCSQCH360J50 |
| C351, C405, C672             | CCSQCH390J50 |
| C671                         | CCSQCH391J50 |
| C217, C222, C461             | CCSQCH470J50 |

| Mark | No.                          | Description | Part No.     |
|------|------------------------------|-------------|--------------|
|      | C371, C372, C925             |             | CCSQCH471J50 |
|      | C459                         |             | CCSQCH560J50 |
|      | C941                         |             | CCSQCH561J50 |
|      | C597                         |             | CCSQCH5R0C50 |
|      | C358, C408, C598, C806       |             | CCSQCH680J50 |
|      | C920                         |             | CCSQCH681J50 |
|      | C434–C436, C822, C829        |             | CCSQCH7R0D50 |
|      | C357, C825                   |             | CCSQCH820J50 |
|      | C462                         |             | CCSQCH910J50 |
|      | C123                         |             | CCSQSL102J50 |
|      | C656                         |             | CEANP100M16  |
|      | C629, C639                   |             | CEANP220M10  |
|      | C986                         |             | CEANP3R3M50  |
|      | C187, C441, C856             |             | CEANP470M6R3 |
|      | C221, C394, C975             |             | CEAT100M50   |
|      | C391, C437, C832, C834, C884 |             | CEAT101M10   |
|      | C259                         |             | CEAT102M6R3  |
|      | C269, C270, C867, C929       |             | CEAT1R0M50   |
|      | C495, C927, C928, C931       |             | CEAT220M50   |
|      | C981, C982                   |             | CEAT220M50   |
|      | C102, C204, C209, C223, C224 |             | CEAT470M16   |
|      | C244, C251, C316, C317, C382 |             | CEAT470M16   |
|      | C390, C802, C804, C842, C852 |             | CEAT470M16   |
|      | C854, C859, C860             |             | CEAT470M16   |
|      | C253, C254, C261–C264        |             | CEAT470M25   |
|      | C984                         |             | CEAT4R7M50   |
|      | C383, C922                   |             | CEATR47M50   |
|      | C936, C940                   |             | CEJA101M6R3  |
|      | C902                         |             | CEJA220M50   |
|      | C863, C934                   |             | CEJA2R2M50   |
|      | C862                         |             | CEJA4R7M50   |
|      | C439                         |             | CEV100M16    |
|      | C471, C473, C475, C507, C531 |             | CEV101M6R3   |
|      | C535, C537, C539, C541, C561 |             | CEV101M6R3   |
|      | C571, C581, C591, C593       |             | CEV101M6R3   |
|      | C631                         |             | CEV470M6R3   |
|      | C477                         |             | CFTLA154J50  |
|      | C478                         |             | CFTLA683J50  |
|      | C425, C910                   |             | CKSQYB102K50 |
|      | C620, C845, C881, C917, C942 |             | CKSQYB104K25 |
|      | C506, C511, C933             |             | CKSQYB105K10 |
|      | C923                         |             | CKSQYB153K25 |
|      | C911                         |             | CKSQYB154K16 |
|      | C903                         |             | CKSQYB222K50 |
|      | C379, C380                   |             | CKSQYB392K50 |
|      | C373–C376, C388, C912, C932  |             | CKSQYB472K50 |
|      | C963                         |             | CKSQYB473K25 |
|      | C763                         |             | CKSQYB682K50 |
|      | C106–C112, C117, C121, C124  |             | CKSQYF103Z50 |
|      | C153, C155, C173, C181       |             | CKSQYF103Z50 |
|      | C183, C184, C188, C189, C203 |             | CKSQYF103Z50 |
|      | C206, C208, C210, C231–C235  |             | CKSQYF103Z50 |
|      | C240–C242, C245–C247         |             | CKSQYF103Z50 |
|      | C249, C250, C252, C281, C282 |             | CKSQYF103Z50 |
|      | C311, C315, C318, C359–C362  |             | CKSQYF103Z50 |

| Mark | No.                          | Description | Part No.     |
|------|------------------------------|-------------|--------------|
|      | C381, C386, C389, C411, C419 |             | CKSQYF103Z50 |
|      | C422, C426, C442, C452, C457 |             | CKSQYF103Z50 |
|      | C466, C505, C510, C558, C573 |             | CKSQYF103Z50 |
|      | C575, C576, C580, C583, C587 |             | CKSQYF103Z50 |
|      | C761, C762, C801, C803, C811 |             | CKSQYF103Z50 |
|      | C831, C833, C836, C841, C846 |             | CKSQYF103Z50 |
|      | C851, C853, C861, C882, C883 |             | CKSQYF103Z50 |
|      | C885, C924, C935, C937, C939 |             | CKSQYF103Z50 |
|      | C945–C947, C962, C974, C983  |             | CKSQYF103Z50 |
|      | C101, C103, C122, C151, C152 |             | CKSQYF104Z25 |
|      | C171, C172, C182, C199       |             | CKSQYF104Z25 |
|      | C267, C268, C385, C387, C392 |             | CKSQYF104Z25 |
|      | C402, C404, C430, C438, C440 |             | CKSQYF104Z25 |
|      | C445, C447, C467, C468, C472 |             | CKSQYF104Z25 |
|      | C474, C476, C491, C493, C496 |             | CKSQYF104Z25 |
|      | C498, C508, C524, C532, C536 |             | CKSQYF104Z25 |
|      | C538, C540, C542, C556, C557 |             | CKSQYF104Z25 |
|      | C562, C572, C582, C586, C589 |             | CKSQYF104Z25 |
|      | C592, C594, C622, C626–C628  |             | CKSQYF104Z25 |
|      | C630, C636, C638, C660       |             | CKSQYF104Z25 |
|      | C681–C683, C764, C805, C847  |             | CKSQYF104Z25 |
|      | C857, C858, C866, C913, C914 |             | CKSQYF104Z25 |
|      | C919, C971, C972, C976       |             | CKSQYF104Z25 |
|      | C186, C685, C855, C926, C930 |             | CKSQYF223Z50 |
|      | C938                         |             | CKSQYF223Z50 |
|      | C377, C378, C908, C909       |             | CKSQYF224Z25 |
|      | C154, C156, C174, C312, C460 |             | CKSQYF473Z50 |
|      | C826, C828                   |             | CKSQYF473Z50 |
|      | C265, C266                   |             | CQ MBA332J50 |
|      | VC301 (20pF)                 |             | VCM1008      |

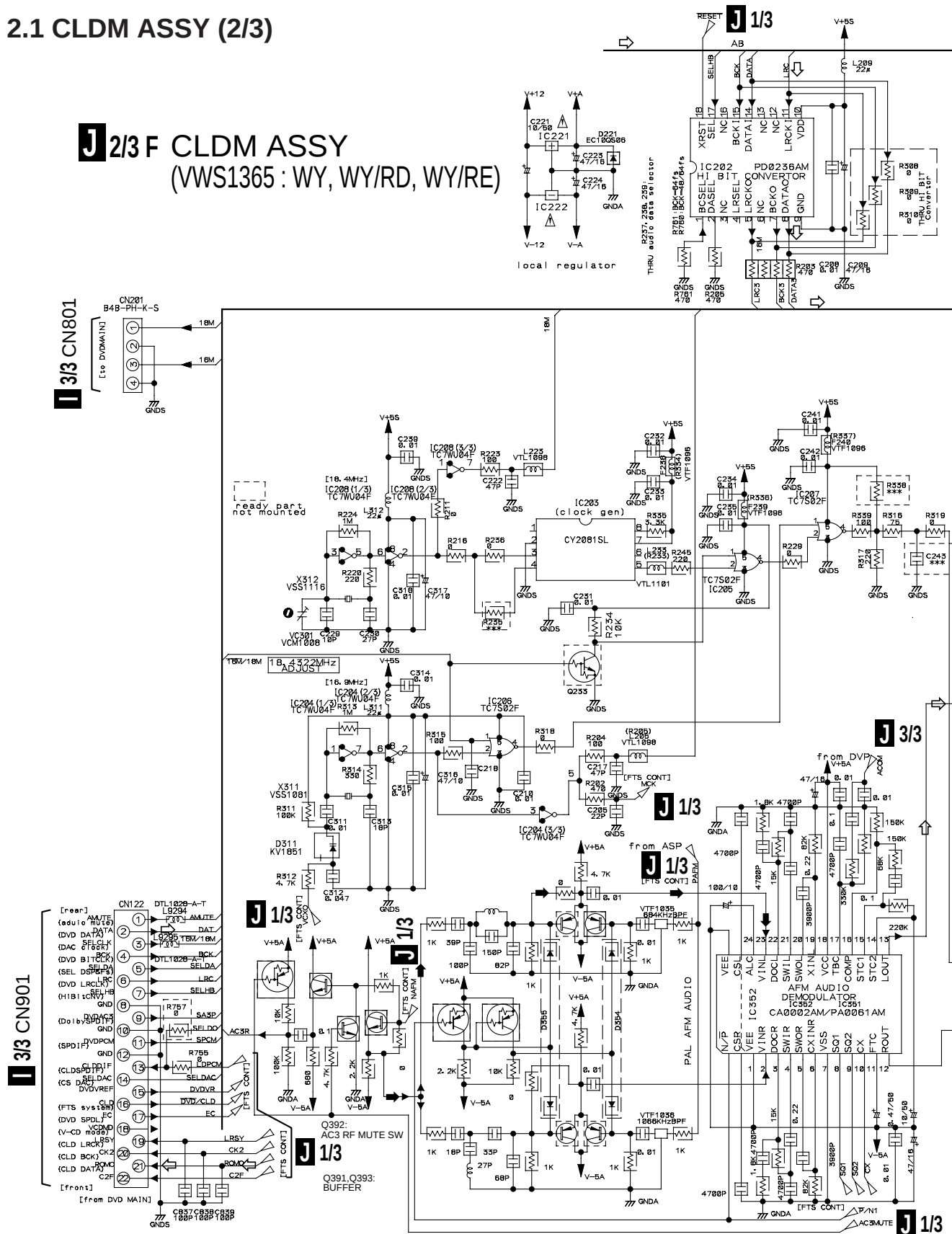
RESISTORS

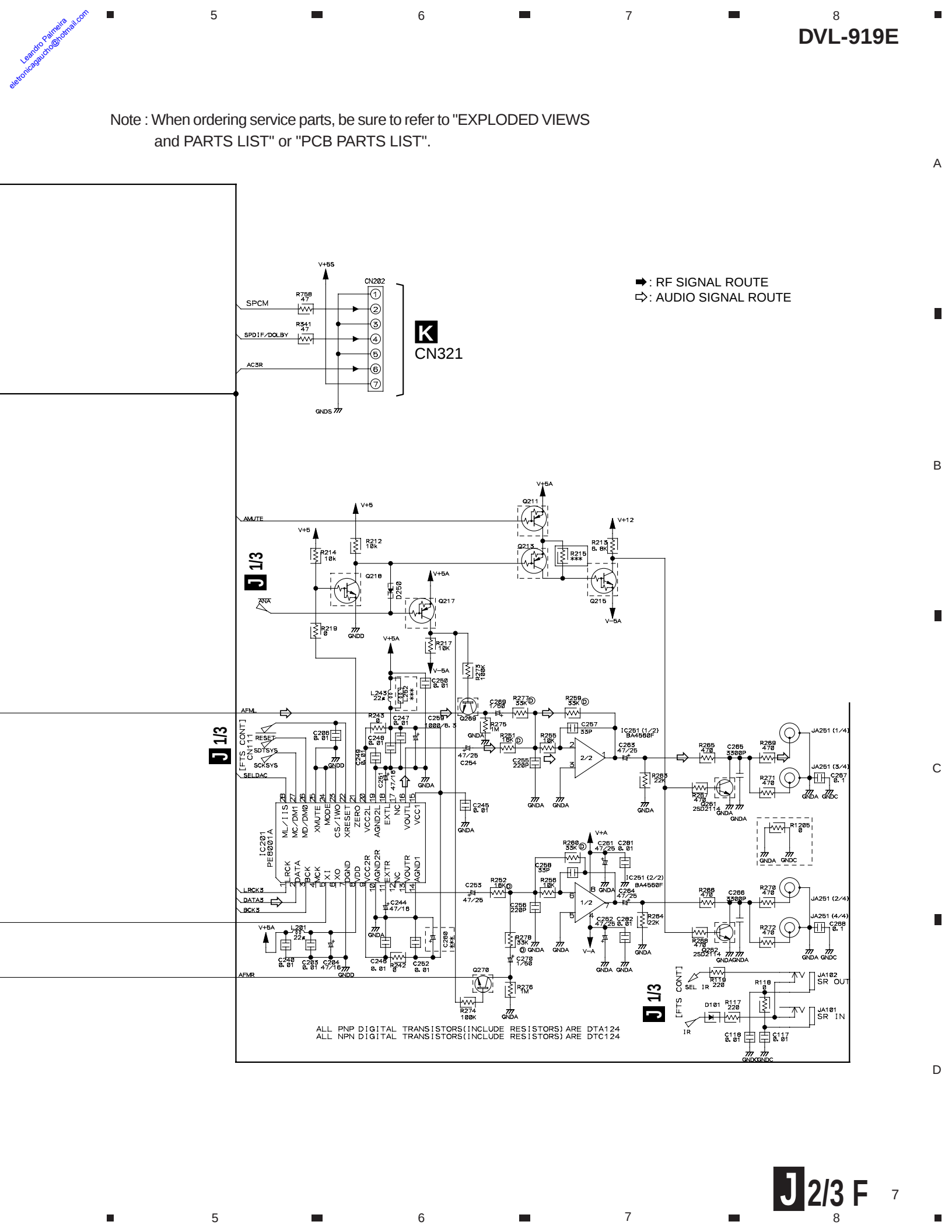
|                              |  |               |
|------------------------------|--|---------------|
| R753                         |  | RA4C221J      |
| R203, R752                   |  | RA4C471J      |
| R591, R592                   |  | RA4C681J      |
| R833, R834, R837, R839       |  | RN1/10SE1002D |
| R891, R892                   |  | RN1/10SE1002D |
| R152, R156, R618             |  | RN1/10SE1003D |
| R532                         |  | RN1/10SE1100D |
| R425                         |  | RN1/10SE1202D |
| R251, R252                   |  | RN1/10SE1602D |
| R531                         |  | RN1/10SE1800D |
| R631                         |  | RN1/10SE2201D |
| R635                         |  | RN1/10SE2701D |
| R151, R259, R260, R277, R278 |  | RN1/10SE3302D |
| R893, R894                   |  | RN1/10SE3302D |
| R153, R154                   |  | RN1/10SE4702D |
| R653                         |  | RN1/10SE5601D |
| R650                         |  | RN1/10SE6800D |
| VR450 (2.2kΩ)                |  | PCP1025       |
| VR603 (4.7kΩ)                |  | PCP1028       |
| VR604, VR607, VR609 (47kΩ)   |  | PCP1031       |
| Other Resistors              |  | RS1/10S□□□J   |

| Mark   | No.          | Description                  | Part No.     |
|--------|--------------|------------------------------|--------------|
| OTHERS |              |                              |              |
|        | CN103, CN404 | 6P FFC CONNECTOR             | 52045-0645   |
|        | CN102        | 10P FFC CONNECTOR            | 52045-1045   |
|        | CN101        | 15P FFC CONNECTOR            | 52045-1545   |
|        | CN802        | 11P CONNECTOR                | B11P-SHF-1AA |
|        | CN403        | KR CONNECTOR                 | B13B-PH-K-S  |
|        | CN201        | KR CONNECTOR                 | B4B-PH-K-S   |
|        | CN202        | KR CONNECTOR                 | B7B-PH-K-S   |
|        |              | SCREW                        | BBZ30P060FCC |
|        | CN402        | 14P CONNECTOR                | BTFN14S-3SB7 |
|        | CN401        | 20P CONNECTOR                | BTFN20S-3SB7 |
|        | JA252        | 2P JACK                      | PKB1024      |
|        | JA101, JA102 | JACK                         | RKN1004      |
|        |              | PCB BINDER                   | VEF1040      |
|        | CN111, CN122 | 22P FFC CONNECTOR            | VKN1253      |
|        | CN801        | 27P FFC CONNECTOR            | VKN1258      |
|        |              | SCREW PLATE                  | VNE1948      |
|        | S102         | SLIDE SWITCH                 | VSH1020      |
|        | X101         | CERAMIC RESONATOR(9MHz)      | VSS1040      |
|        | X311         | CRYSTAL RESONATOR(16MHz)     | VSS1081      |
|        | X505         | CRYSTAL RESONATOR(14MHz)     | VSS1103      |
|        | X312         | CRYSTAL RESONATOR(18.432MHz) | VSS1116      |
|        | X510         | CRYSTAL RESONATOR(15MHz)     | VSS1125      |

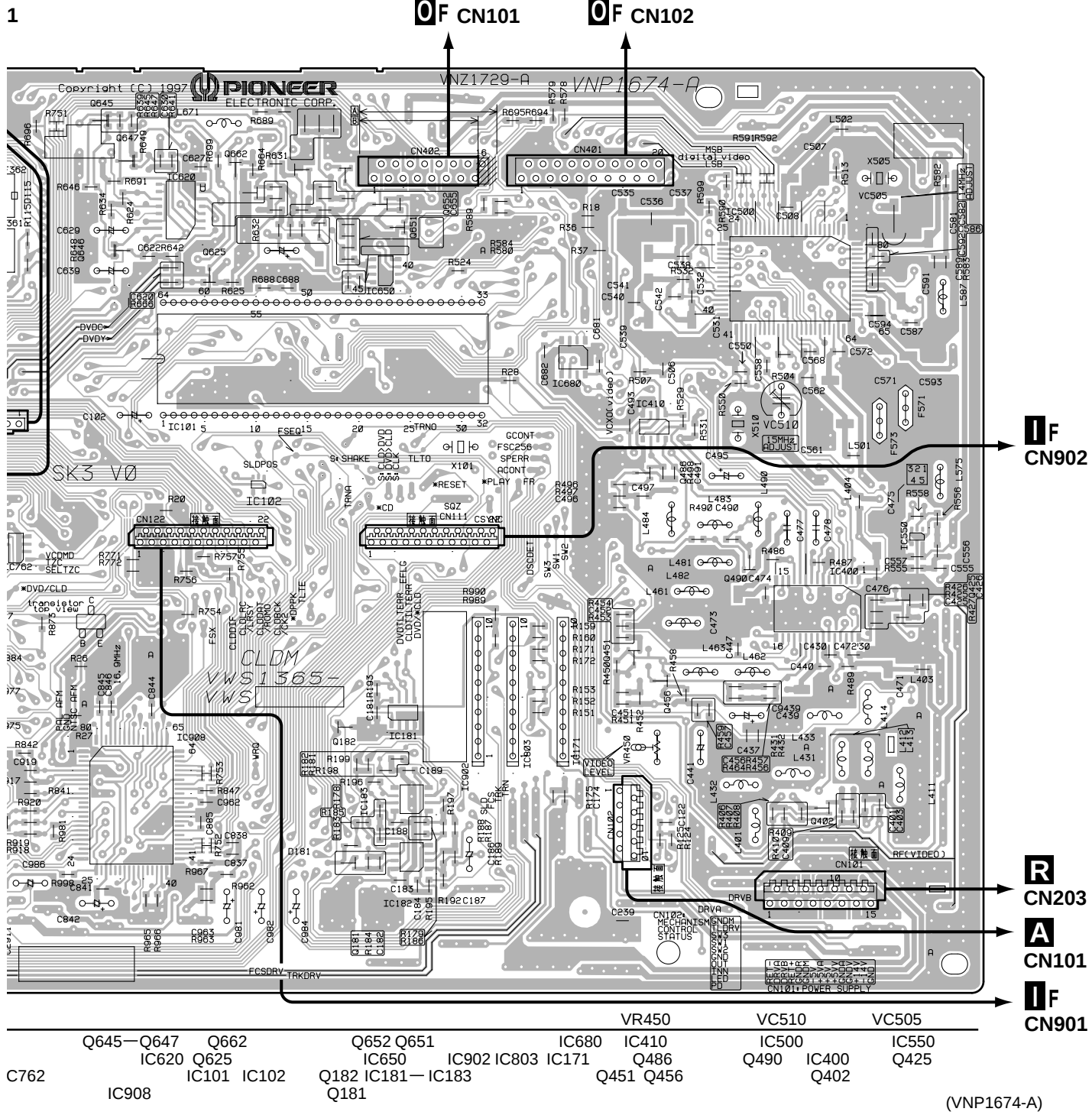
## 2. SCHEMATIC DIAGRAM

## 2.1 CLDM ASSY (2/3)



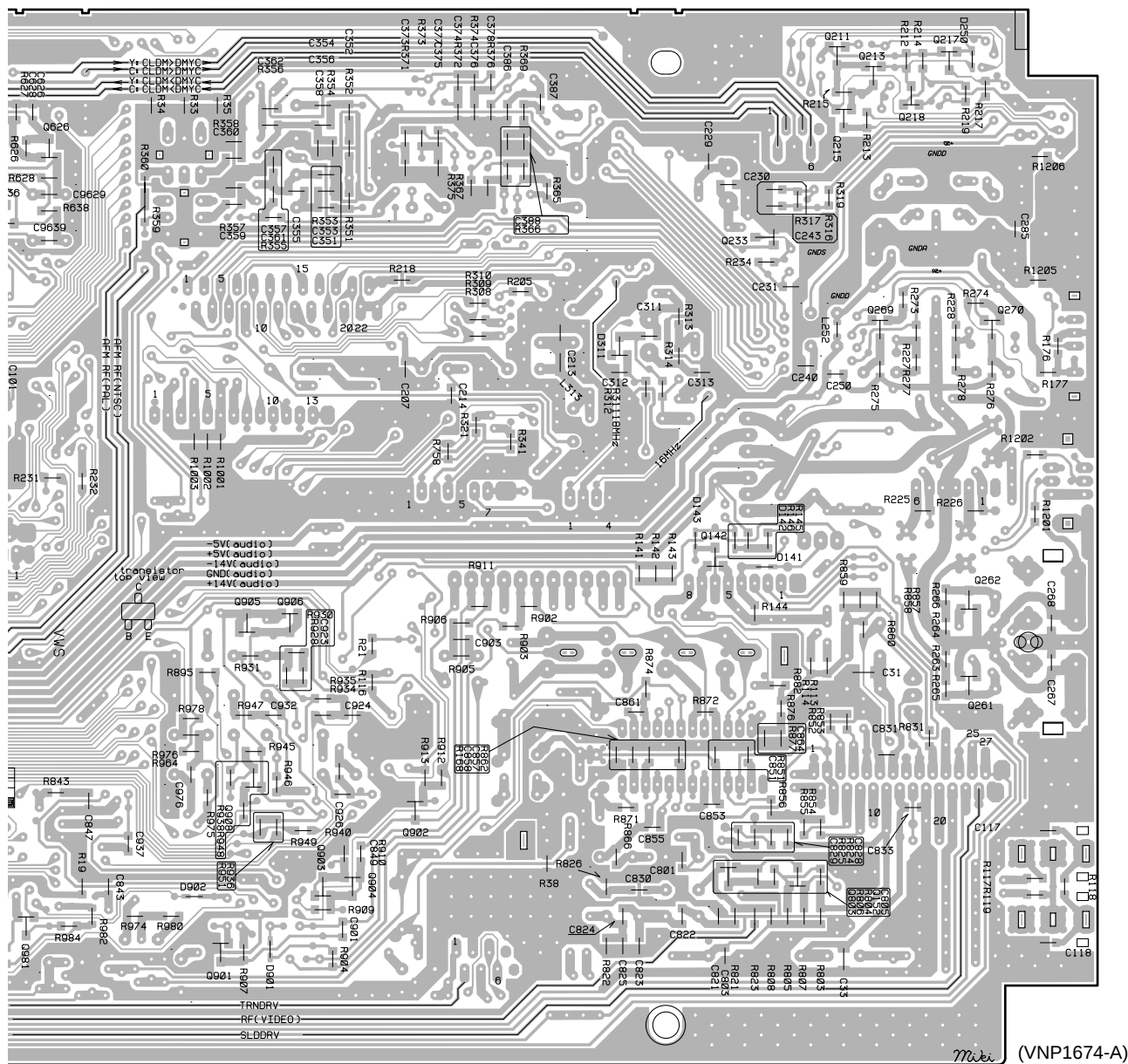






SIDE A

10



Q626  
Q636  
2 Q981

Q908  
Q901 — Q906

Q142  
Q803

Q211 — Q217  
Q152 Q269

Q270  
Q262  
Q261

SIDE B