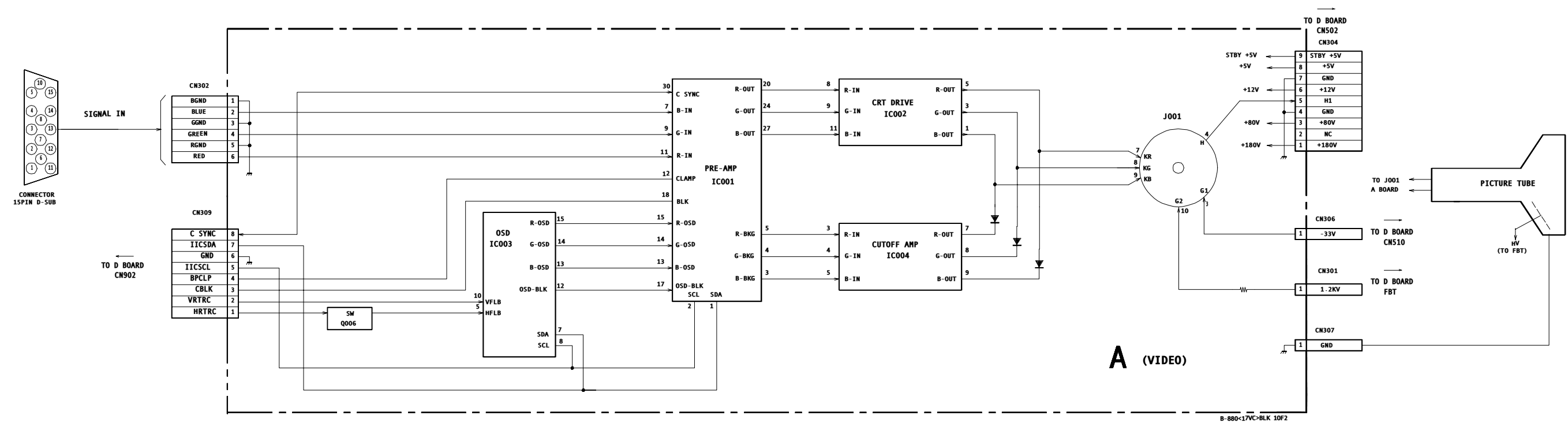
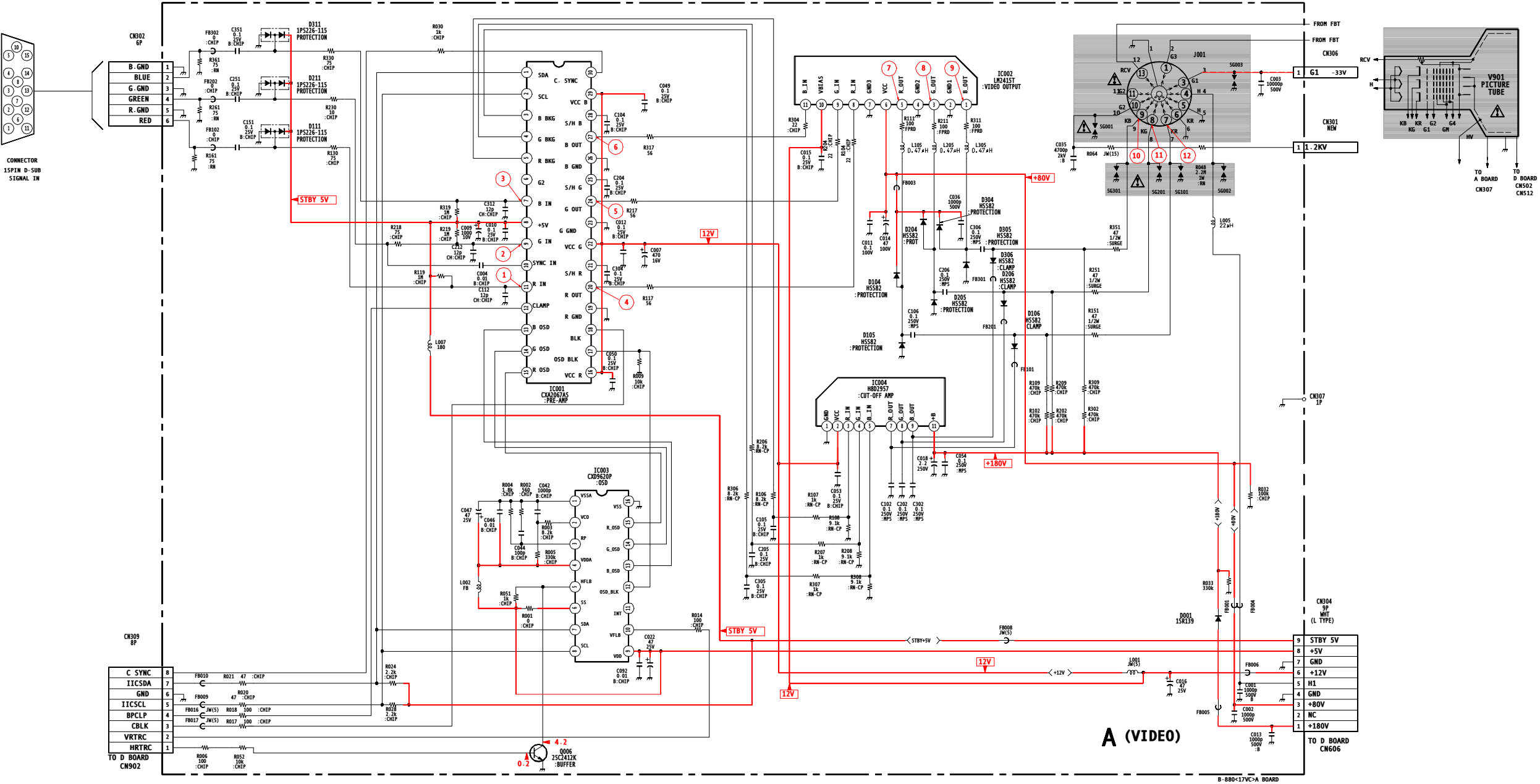


4-3. DIAGRAMS    BLOCK DIAGRAM (1/2)

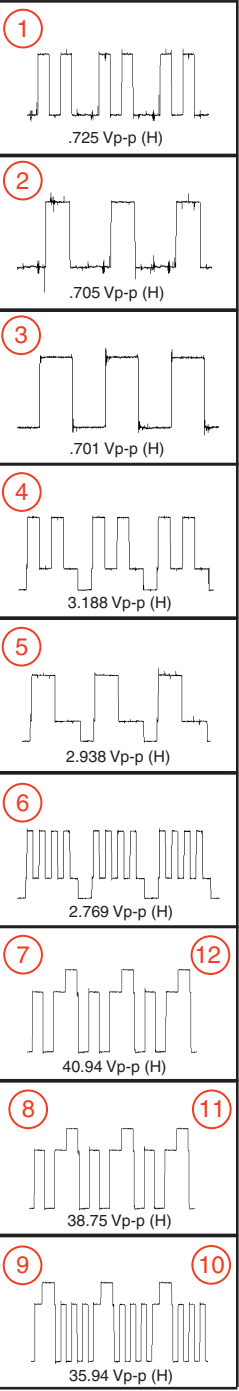


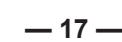


A BOARD SCHEMATIC DIAGRAM



A BOARD WAVEFORMS



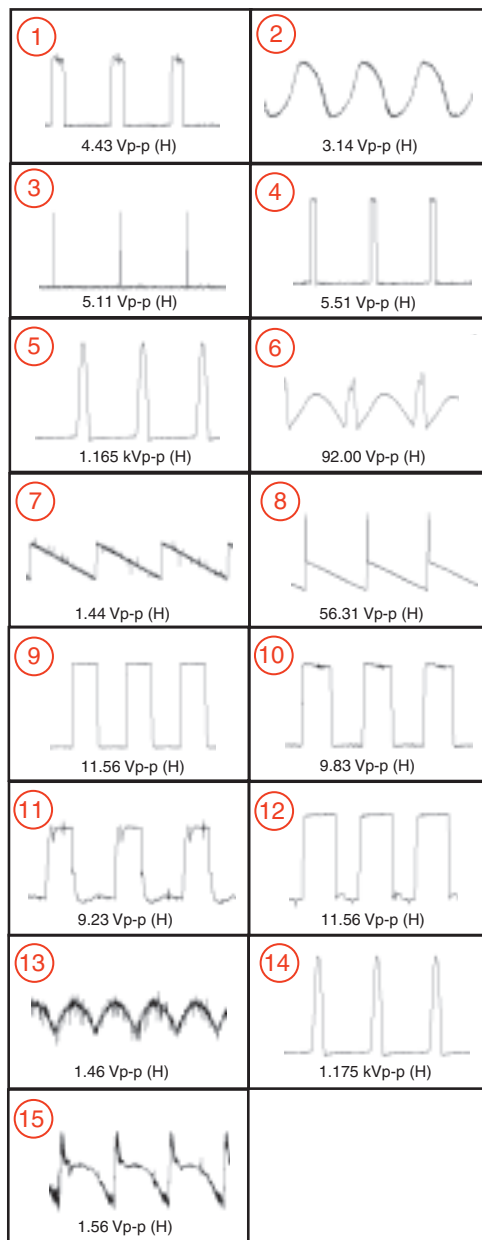




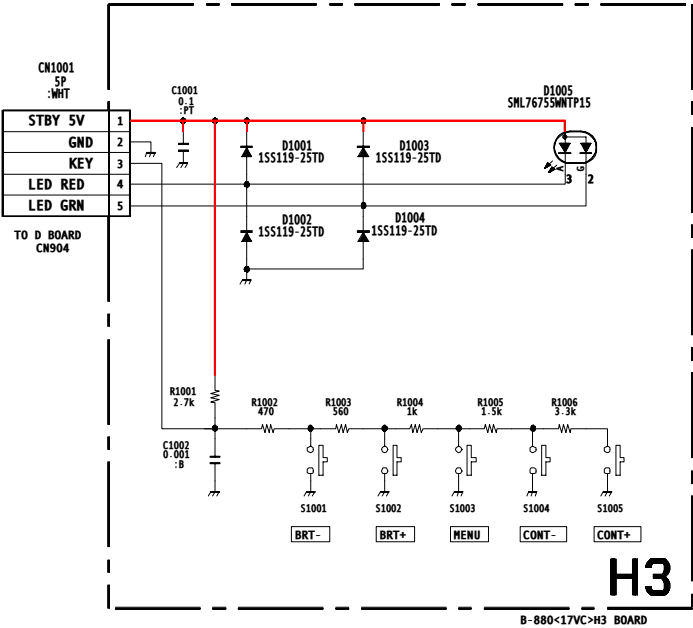
## D BOARD IC VOLTAGE LIST

| IC401 |       | 8     | -75.1 | IC611 |       | 2     | 0.0   | 40    | NC   | IC904                 |      |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------------------|------|
| pin   | volt  | 9     | -74.9 | pin   | volt  | 3     | 2.5   | 41    | NC   | pin                   | volt |
| 1     | 1.6   | 10    | NC    | 1     | 2.5   | 4     | 2.5   | 42    | NC   | 1                     | GND  |
| 2     | 14.3  | 11    | GND   | 2     | GND   | 5     | -14.8 | 43    | NC   | 2                     | GND  |
| 3     | -13.3 | 12    | NC    | 3     | 4.5   | 6     | 2.5   | 44    | 0.1  | 3                     | GND  |
| 4     | -14.4 | 13    | 0     | IC612 |       | 7     | 2.5   | 45    | 2.4  | 4                     | 5.0  |
| 5     | 0.3   | 14    | 6.1   | pin   | volt  | 8     | 0.2   | 46    | 0.5  | 5                     | 5.0  |
| 6     | 13.8  | IC602 |       | 1     | 0.1   | 9     | 0.2   | 47    | 0.5  | IC905                 |      |
| 7     | 1.6   | pin   | volt  | 2     | 1.2   | 10    | 14.7  | 48    | 3.7  | pin                   | volt |
| IC501 |       | 1     | 3.0   | 3     | 0.6   | IC901 |       | 49    | 5    | 1                     | GND  |
| 1     | 12.1  | 2     | 8.7   | 4     | GND   | pin   | volt  | 50    | 0.3  | 2                     | GND  |
| 2     | 4.7   | 3     | GND   | 5     | 4.9   | 1     | 0.1   | 51    | 5    | 3                     | GND  |
| 3     | 4     | 4     | 6.3   | 6     | 3.3   | 2     | 4.9   | 52    | 5    | 4                     | GND  |
| 4     | 6.3   | 5     | 1.2   | 7     | 1.2   | 3     | 2.7   | 53    | 5    | 5                     | 5    |
| 5     | 8.8   | IC603 |       | 8     | 12.7  | 4     | 1.6   | 54    | 5    | 6                     | 5    |
| 6     | 6.2   | pin   | volt  | IC701 |       | 5     | 4.8   | 55    | NC   | 7                     | 5    |
| 7     | GND   | 1     | 9.3   | pin   | volt  | 6     | 4.8   | 56    | GND  | 8                     | 5    |
| 8     | 0.2   | 2     | 8.2   | 1     | 4.8   | 7     | 0     | IC902 |      | IC906                 |      |
| 9     | GND   | 3     | -73.9 | 2     | 4.9   | 8     | NC    | pin   | volt | pin                   | volt |
| 10    | 8.4   | 4     | -65.3 | 3     | 4.9   | 9     | 5     | 1     | 2.2  | 1                     | GND  |
| 11    | 4.6   | IC604 |       | 4     | 4.8   | 10    | GND   | 2     | 4.9  | 2                     | GND  |
| 12    | 5.8   | pin   | volt  | 5     | 4.9   | 11    | 5     | 3     | 4.7  | 3                     | GND  |
| 13    | 5.8   | 1     | 2.5   | 6     | 4.9   | 12    | 5     | 4     | 4.5  | 4                     | GND  |
| 14    | 5.8   | 2     | GND   | 7     | 4.9   | 13    | 5     | 5     | GND  | 5                     | 5    |
| 15    | 7.1   | 3     | 6.9   | 8     | 4.9   | 14    | 0.5   | 6     | 3.9  | 6                     | 5    |
| 16    | 11.6  | IC605 |       | 9     | 4.8   | 15    | 5     | 7     | 6    | 7                     | 5    |
| 17    | 12.1  | pin   | volt  | 10    | 12.1  | 16    | 4.3   | 8     | 4.9  | 8                     | 4.9  |
| 18    | 8.8   | 1     | 14.7  | 11    | 4.1   | 17    | NC    | 9     | 4    | IC908                 |      |
| 19    | 9.4   | 2     | 12.1  | 12    | 4.9   | 18    | 4     | 10    | 5    | pin                   | volt |
| 20    | 8.2   | 3     | GND   | 13    | 4.9   | 19    | -0.2  | 11    | 6.8  | 1                     | 0    |
| 21    | 0     | 4     | 4.8   | 14    | 4.4   | 20    | 0.1   | 12    | 4.6  | 2                     | 5    |
| 22    | 4.7   | IC607 |       | 15    | 1.1   | 21    | NC    | 13    | NC   | 3                     | 5    |
| 23    | 4     | pin   | volt  | 16    | 4.7   | 22    | 0.1   | 14    | 0.4  | 4                     | 0    |
| 24    | 4     | 1     | 5     | 17    | 4.4   | 23    | 4.9   | 15    | GND  | 5                     | GND  |
| IC502 |       | 2     | 0     | 18    | GND   | 24    | 5     | 16    | 11.7 | 6                     | NC   |
| pin   | volt  | 3     | GND   | IC702 |       | 25    | 0.0   | 17    | 0.4  | 7                     | GND  |
| 1     | 1.1   | IC608 |       | pin   | volt  | 26    | 0     | 18    | 4.9  | 8                     | 5    |
| 2     | 1.1   | pin   | volt  | 1     | -0.1  | 27    | 0.4   | 19    | 10.7 | 9                     | 0    |
| 3     | -14.9 | 1     | 12.1  | 2     | 0.0   | 28    | 0.1   | 20    | 9.9  | 10                    | 0.4  |
| 4     | -2.8  | 2     | 5     | 3     | 2.2   | 29    | GND   | 21    | 1.5  | 11                    | 4.7  |
| 5     | 14.7  | 3     | GND   | 4     | 2.2   | 30    | 0.4   | 22    | 10.4 | 12                    | 4.7  |
| IC601 |       | IC610 |       | 5     | 2.2   | 31    | 5     | 23    | 4.9  | 13                    | 0    |
| pin   | volt  | pin   | volt  | 6     | 0.0   | 32    | 0.4   | 24    | 5.1  | 14                    | 5    |
| 1     | 77.4  | 1     | -71.3 | 7     | -14.8 | 33    | 0.5   | 25    | 4    | All voltages are in V |      |
| 2     | NC    | 2     | NC    | 8     | GND   | 34    | 5     | 26    | 0.4  |                       |      |
| 3     | GND   | 3     | 0     | 9     | 14.7  | 35    | 5     | 27    | 4.9  |                       |      |

## D BOARD WAVEFORMS

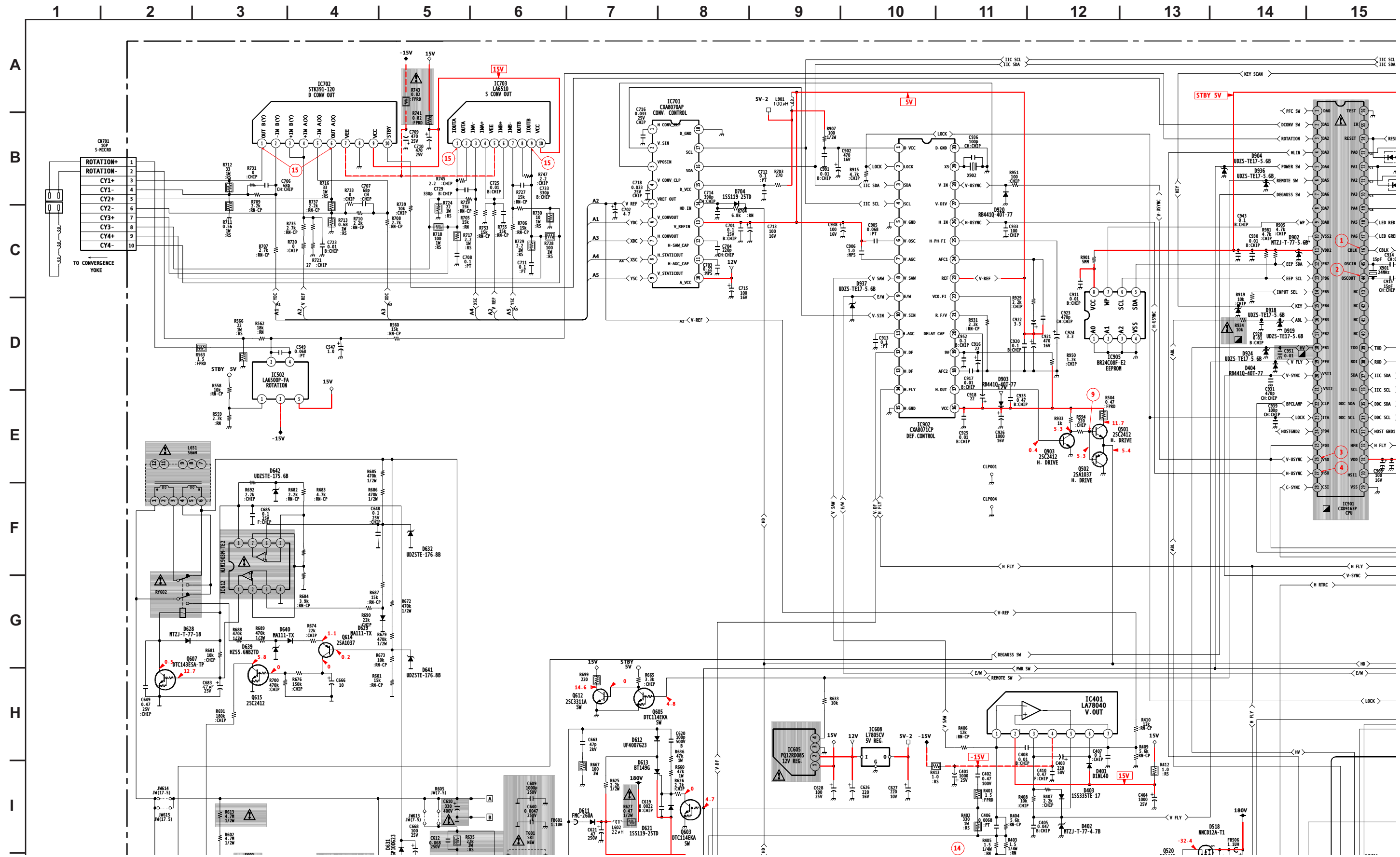


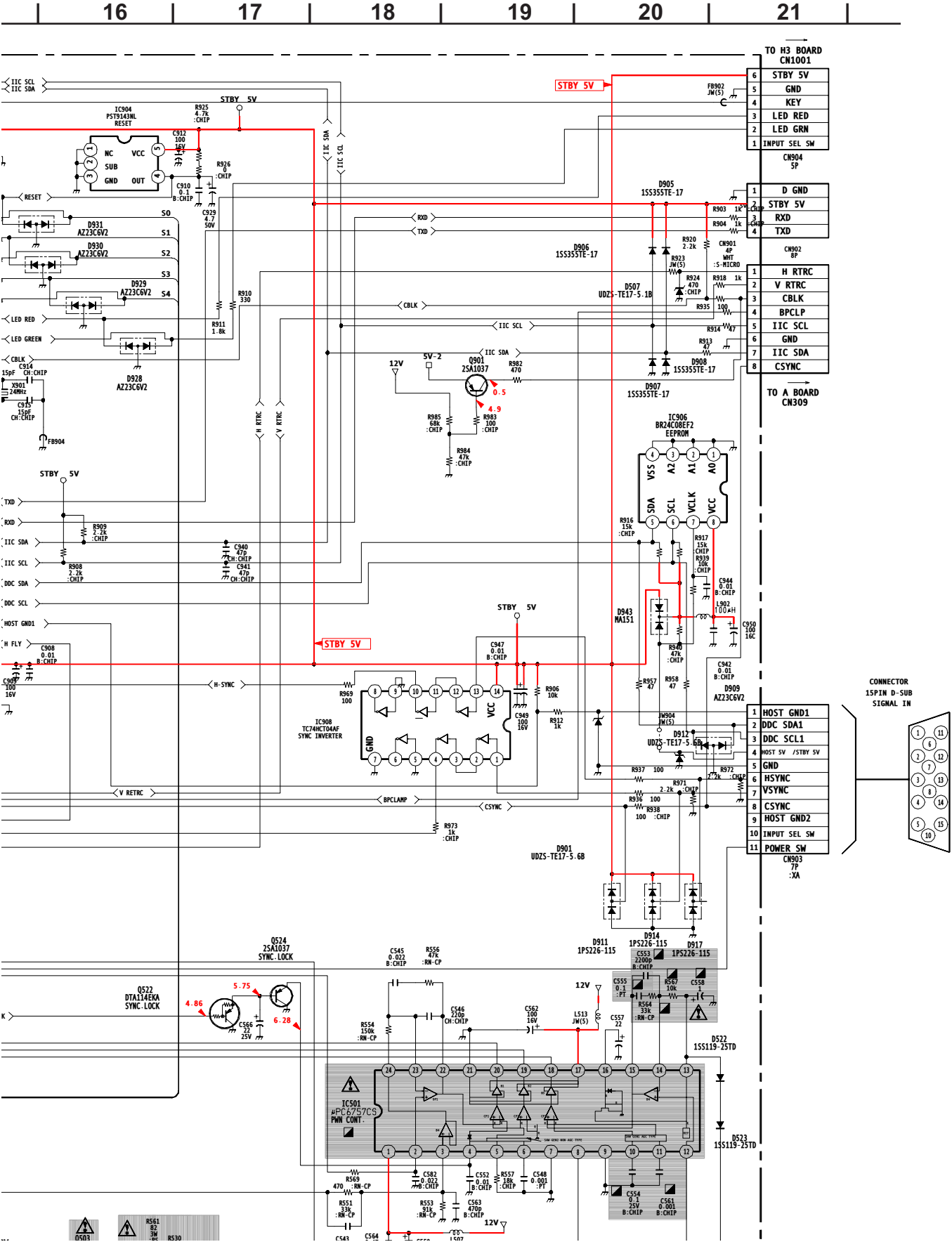
H3 BOARD SCHEMATIC DIAGRAM



H3

### D BOARD SCHEMATIC DIAGRAM







J

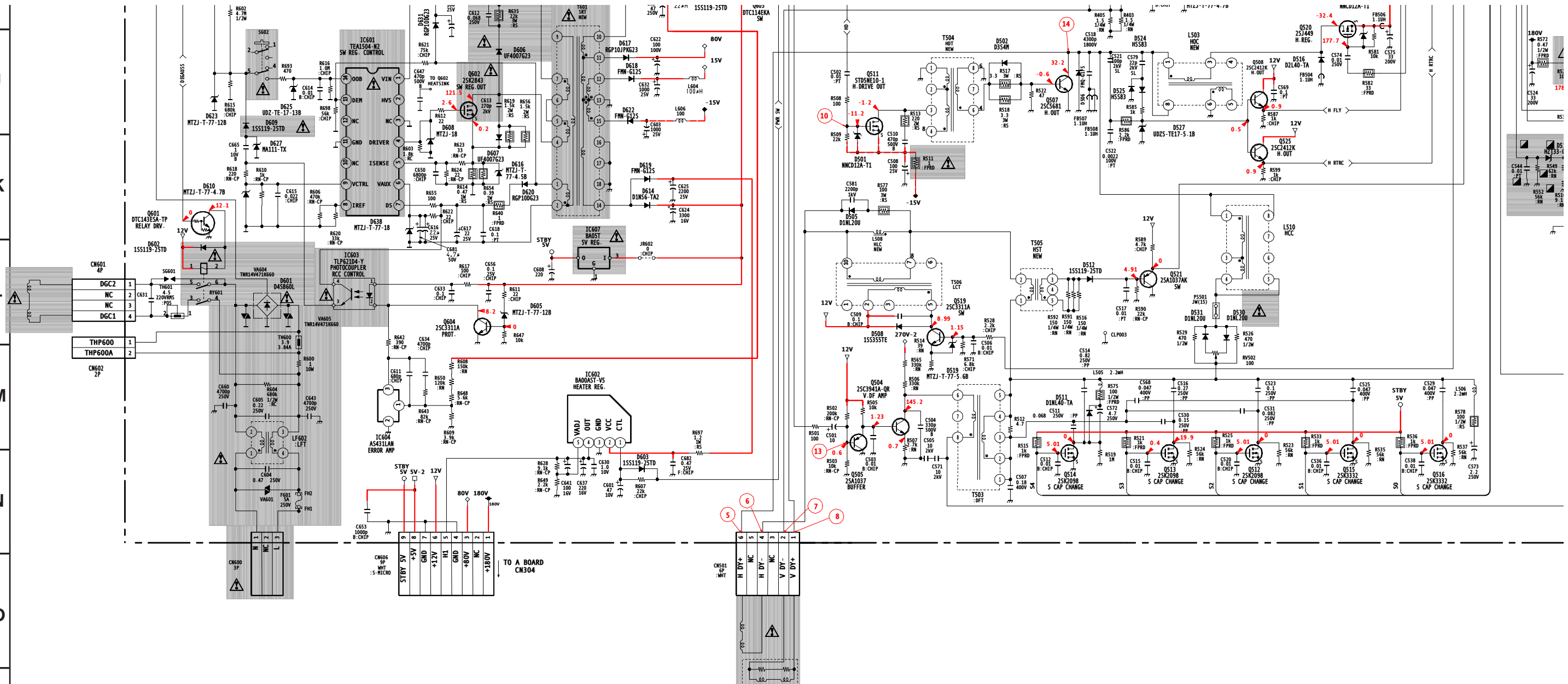
K

L

M

N

O





|      |   |
|------|---|
| -33V | 1 |
|------|---|

B-880&lt;17VC&gt;D BOARD