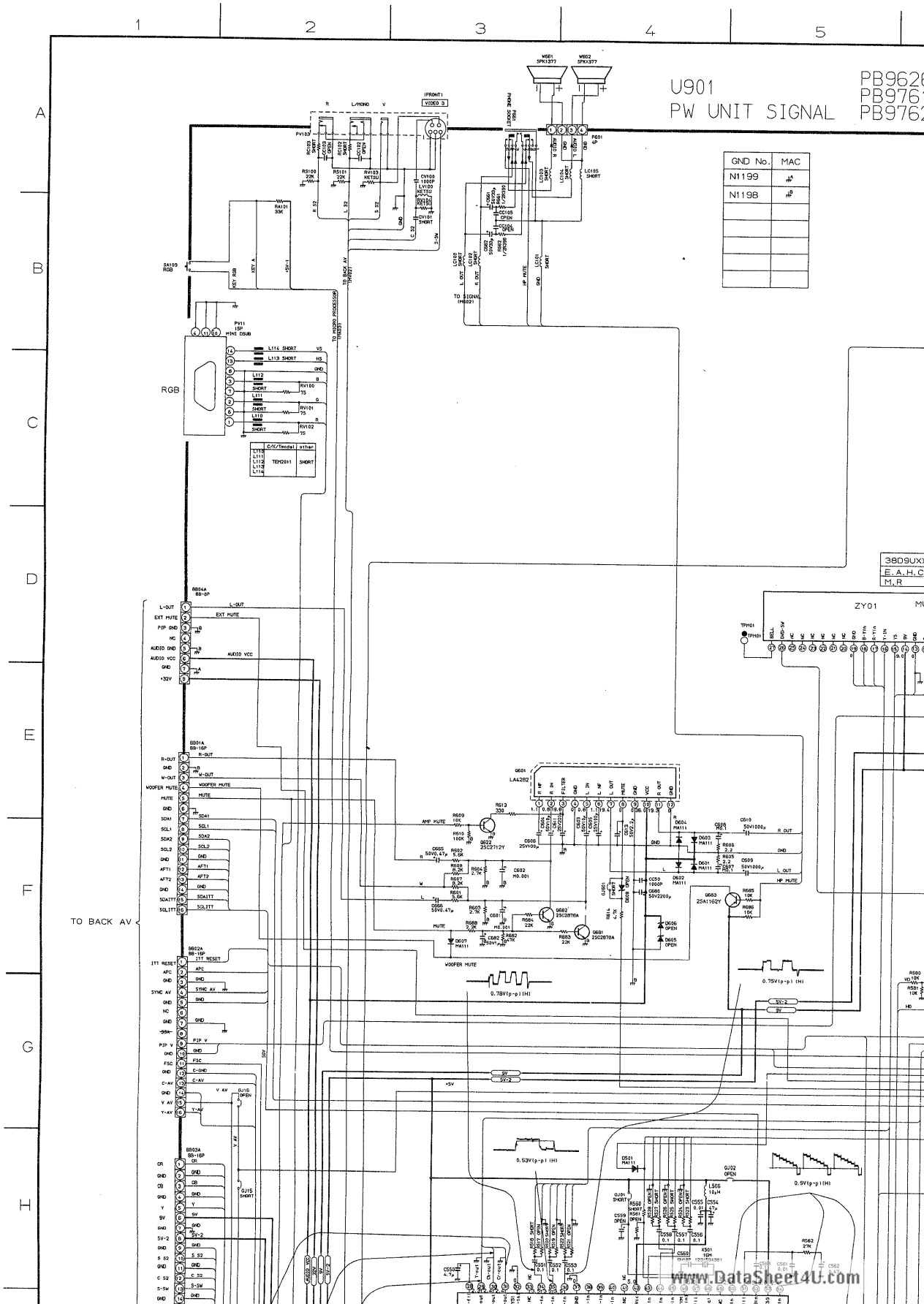


CAUTION: The international hazard symbols "△" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORM

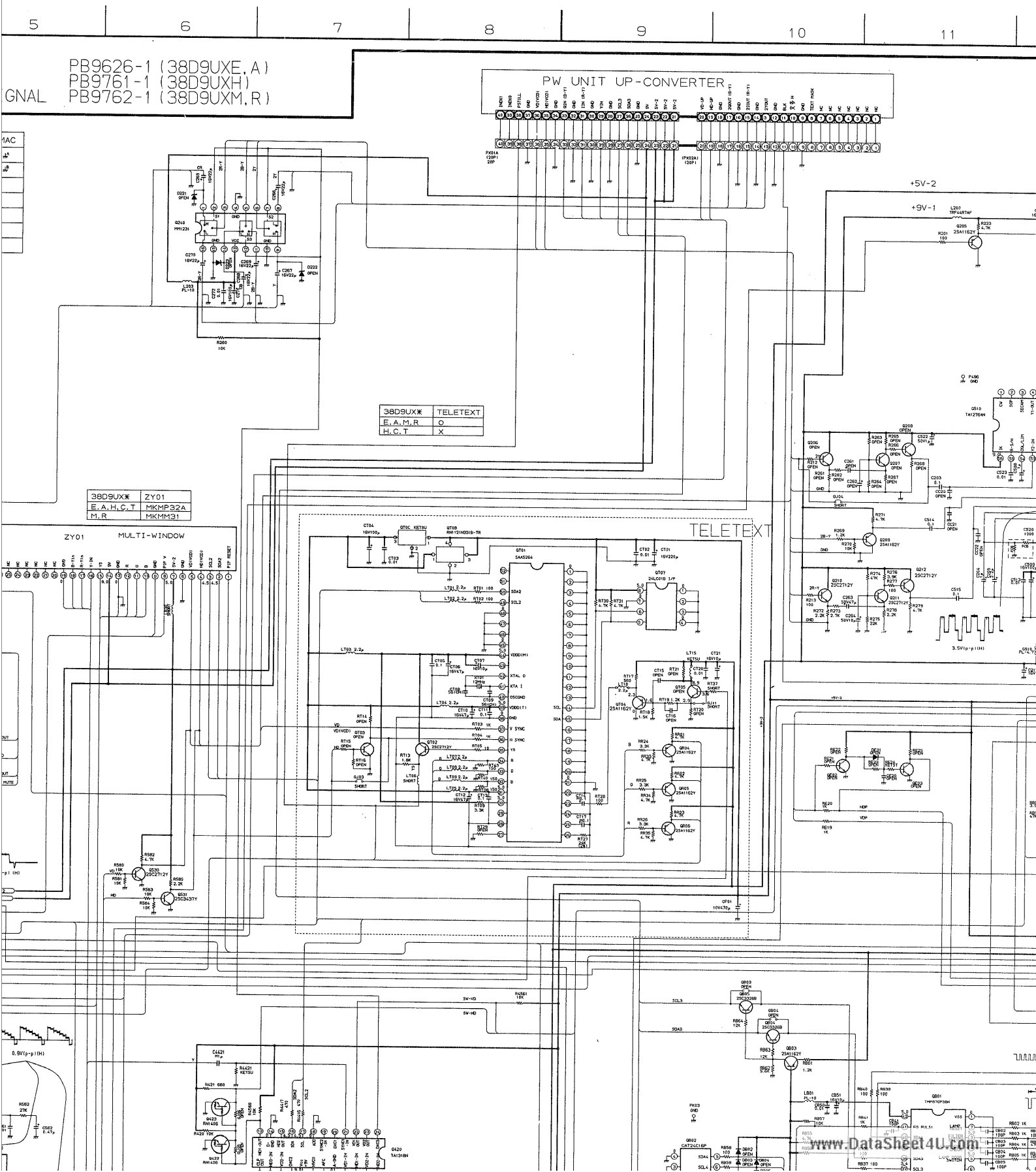
1. Voltages read with VTVM from point shown to volts, colour bar signal. Voltages reading may
 2. All waveforms are taken using a wide band oscil
 3. Waveforms are taken using a standard colour b
 4. Make sure that CONTRAST and COLOUR co
- BRIGHTNESS control is almost in maximum pos picture.

40200005



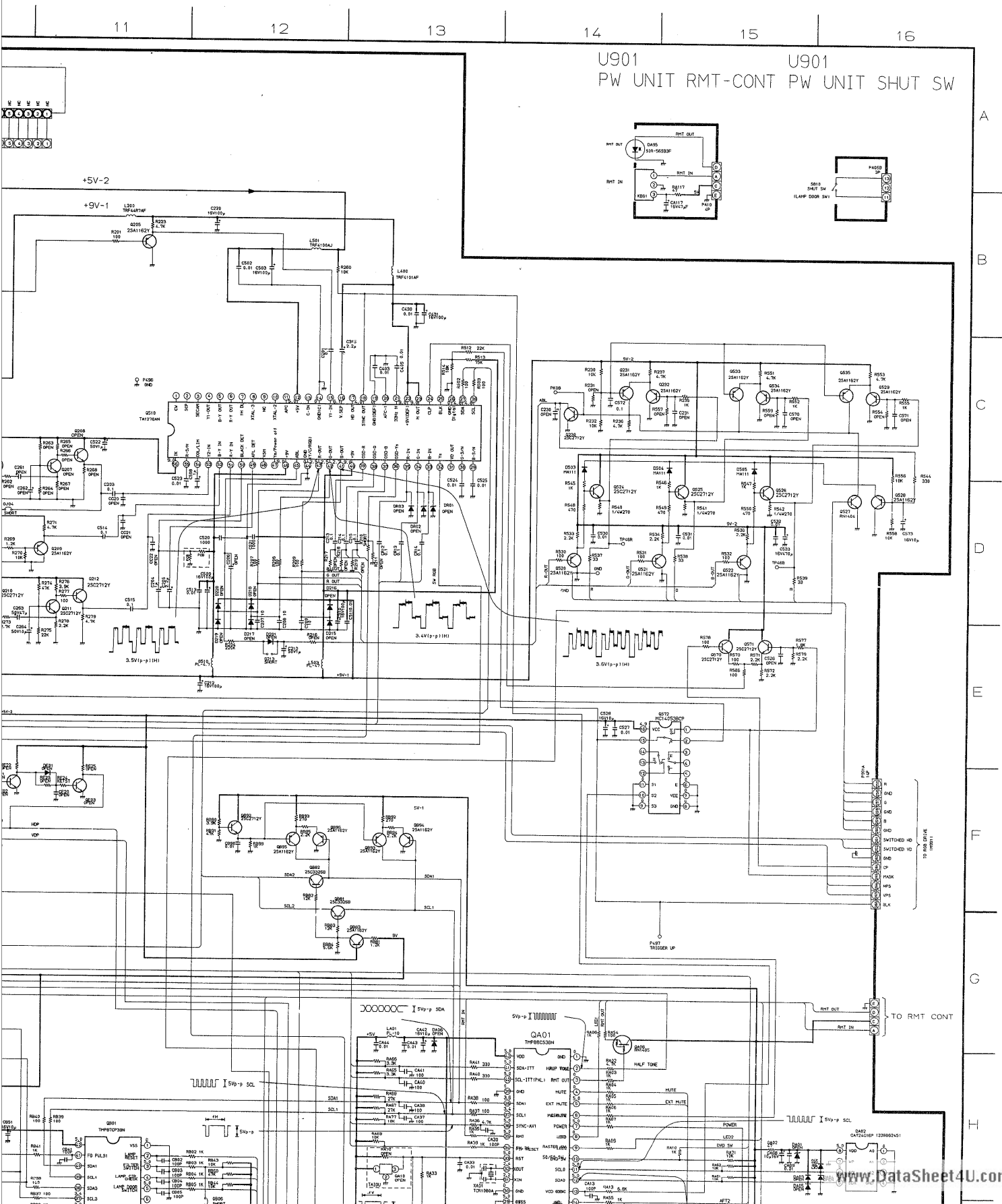
1 from point shown to chassis ground, line voltage 220 V. Voltages reading may vary $\pm 20\%$.
Using a wide band oscilloscope and a low capacity probe. Viewing a standard colour bar signal.
AST and COLOUR controls are in mid position and almost in maximum position. Set other controls for best picture.

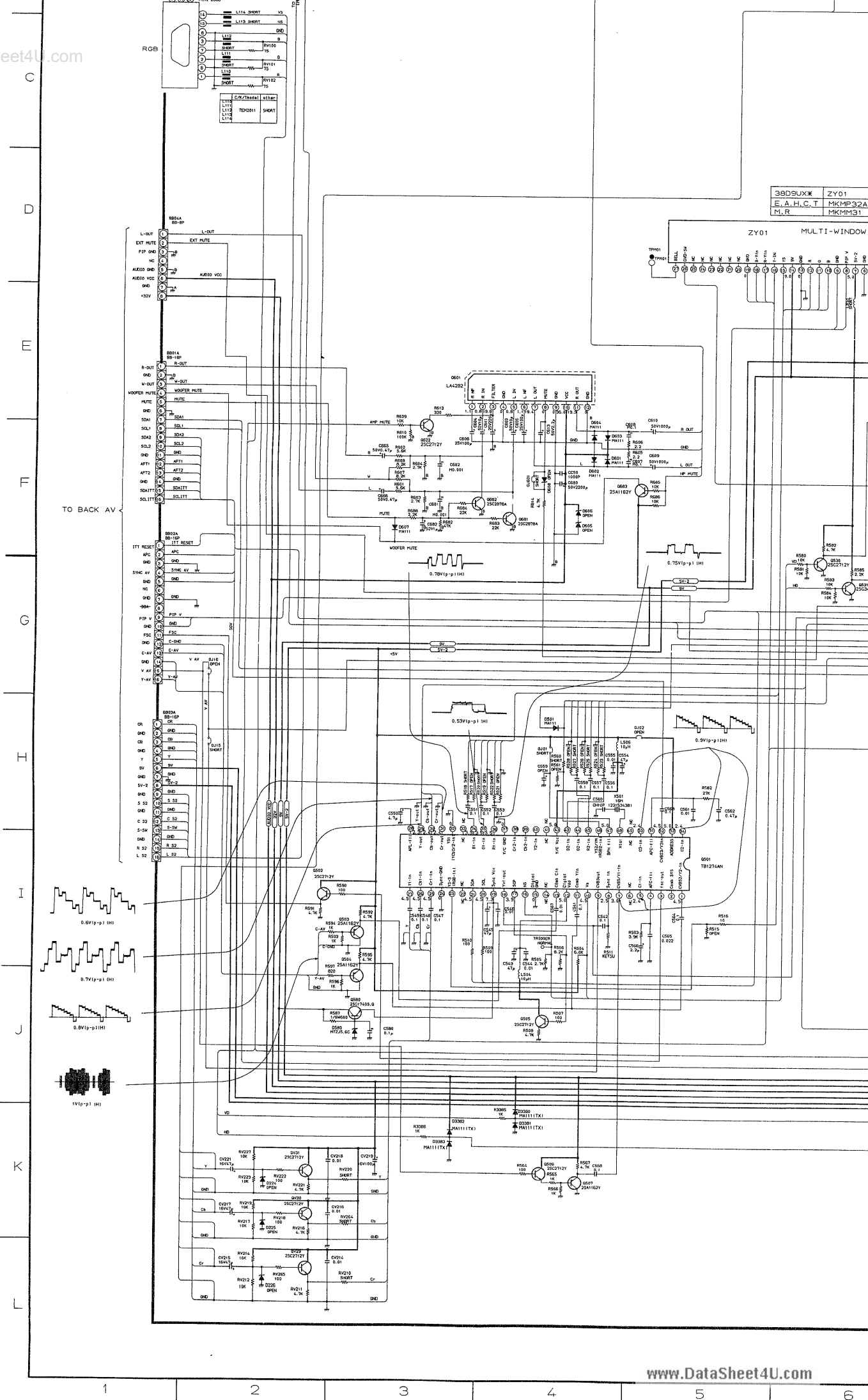
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. : Solder links.



schematic dia-

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH , and the values less than 1 in H.

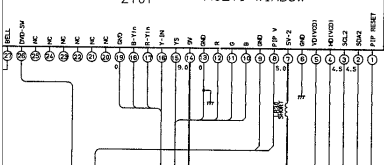




38D9UXK	TELETEXT
E.A.M.R	O
H.C.T	X

38D9UXK	ZY01
E.A.H.C.T	MKMP32A
M.R	MKMM31

ZY01 MULTI-WINDOW



R. OUT
DND
L. OUT
H. MUTE

75V(p-p) 100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

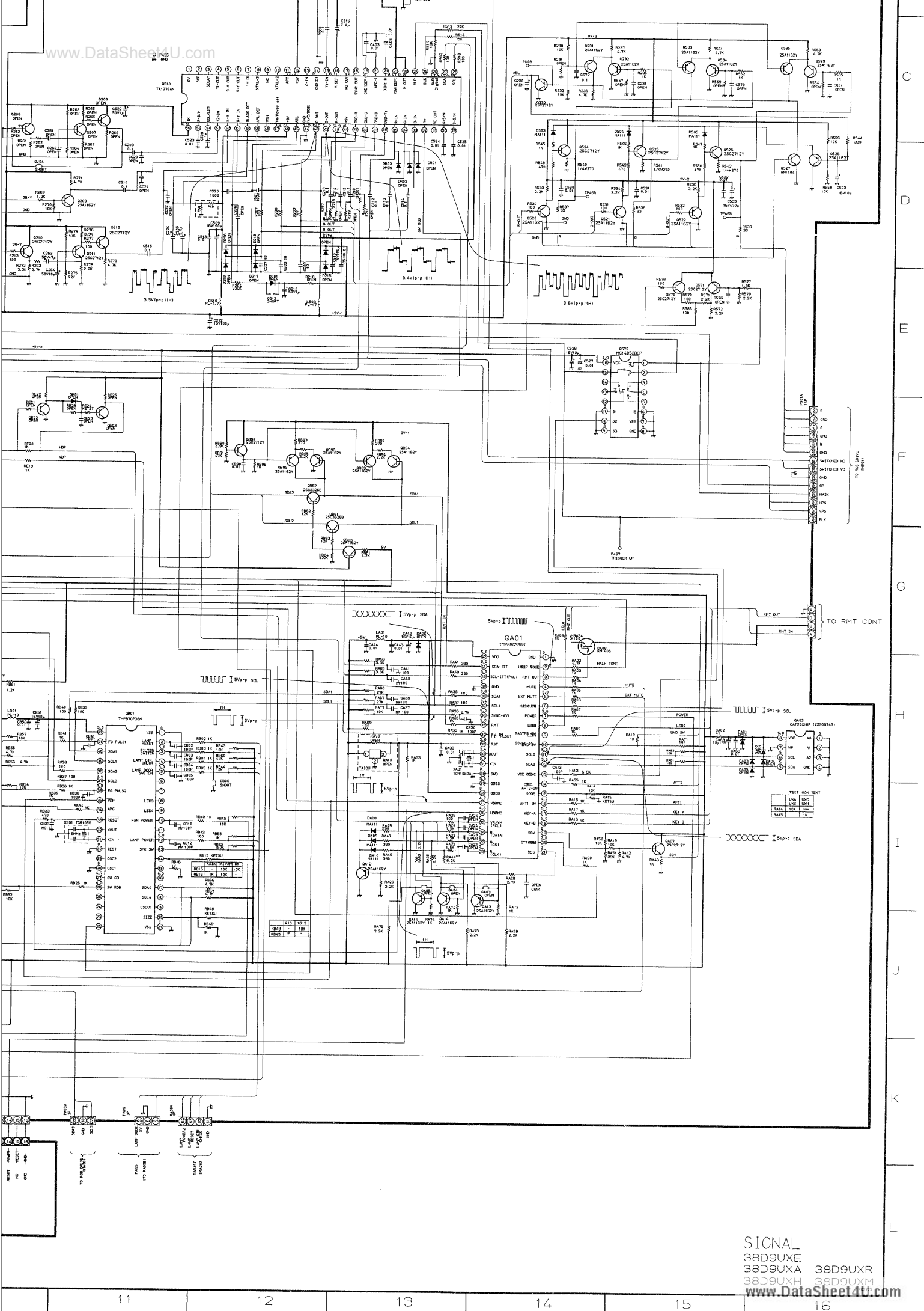
0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

0.5V(p-p) 1100

PW UNIT POWER



SCHEMATIC DIAGRAM

MODEL : 38D9UXE / 38D9UXA (2/5)
38D9UXH / 38D9UXR
38D9UXM

38D9UXM

(2/5)
OBSERVATION OF VOLTAGES AND WAVEFORMS

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary $\pm 20\%$.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

NOTES:

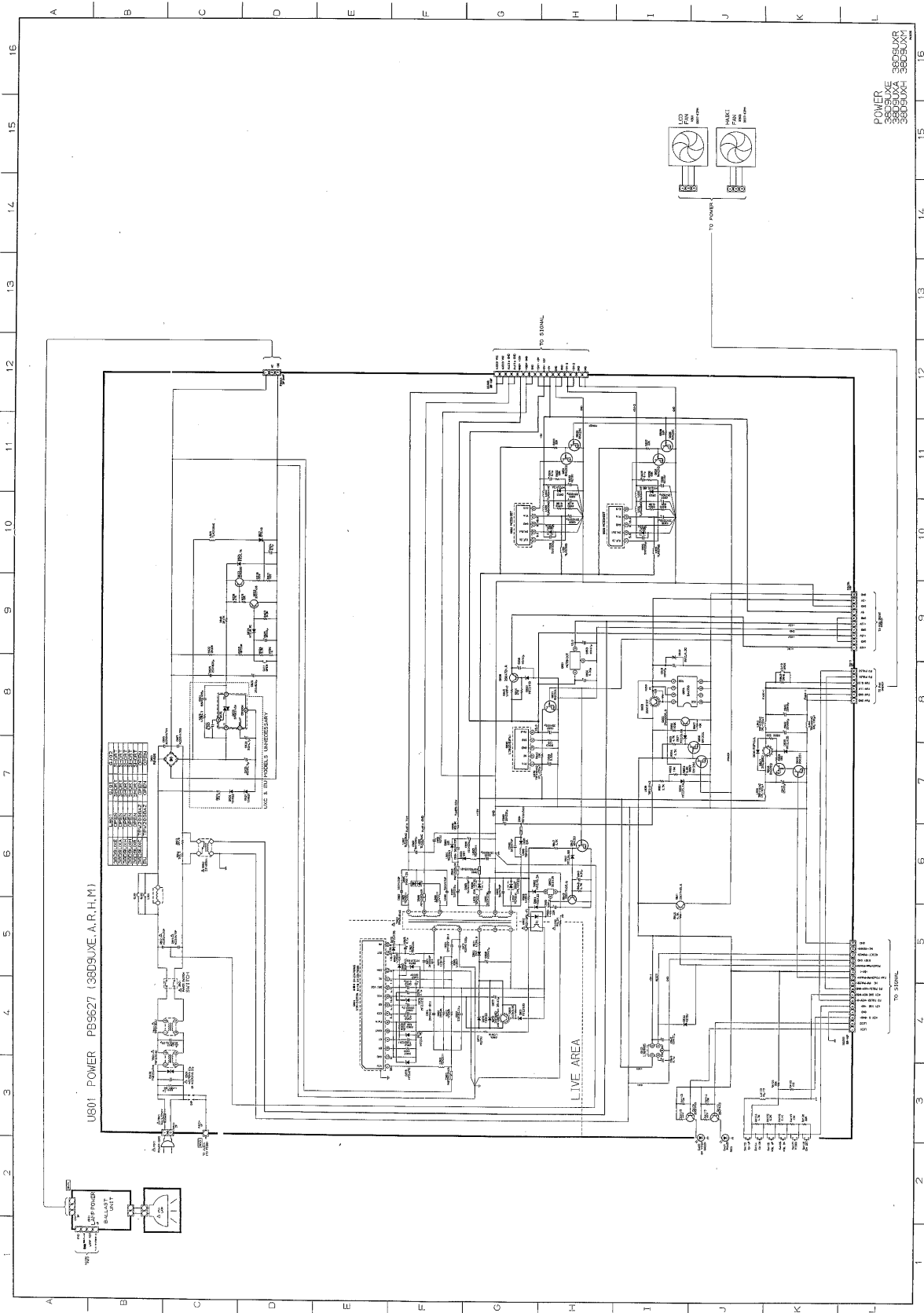
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.

EXPRESSION

VALUE OF RECYCLED[®] CAPACITORS AND INDUCTORS

VALUE OF RESISTOR, CAPACITOR AND INDUCTOR

1. Resistance is shown in ohm, $k=1,000$, $M=1,000,000$
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in pF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in mH and the values less than 1 are in μH .

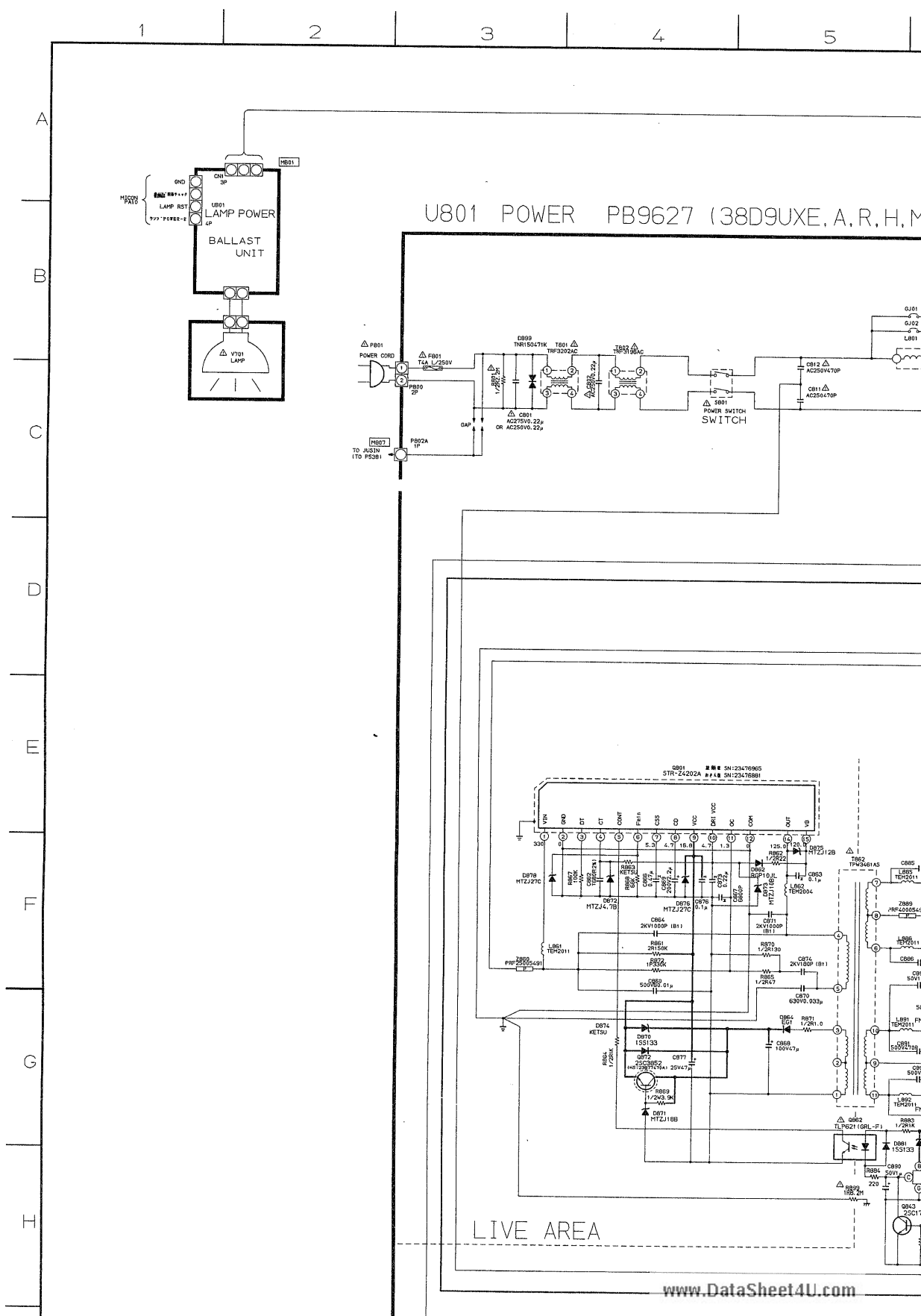


CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to volts, colour bar signal. Voltages reading may
 2. All waveforms are taken using a wide band osci
 3. Waveforms are taken using a standard colour
 4. Make sure that CONTRAST and COLOUR c
- BRIGHTNESS control is almost in maximum po
picture.

40200005

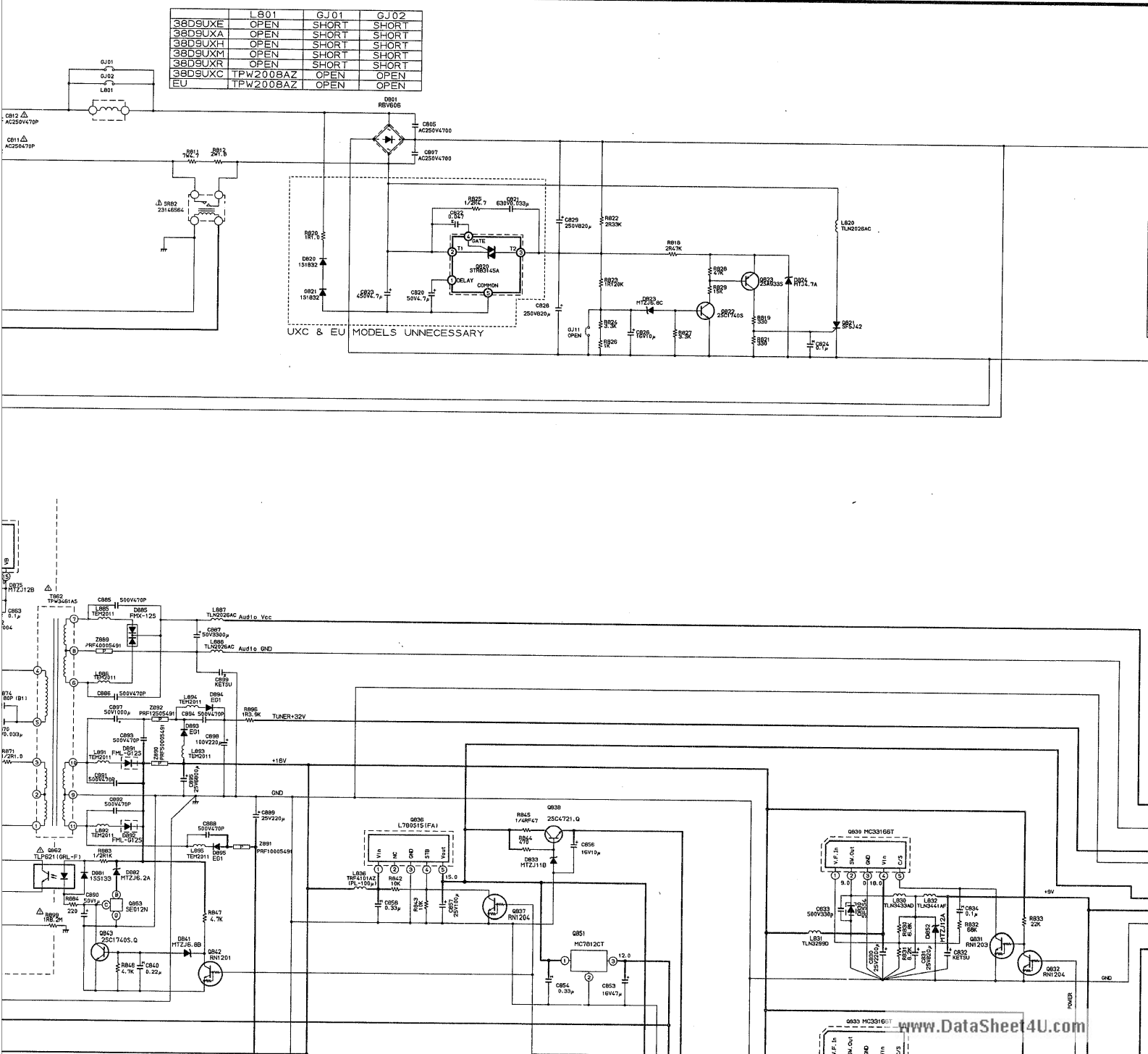


S AND WAVEFORMS
 from point shown to chassis ground, line voltage 220
 stages reading may vary $\pm 20\%$.
 ng a wide band oscilloscope and a low capacity probe.
 a standard colour bar signal.
 T and COLOUR controls are in mid position and
 ost in maximum position. Set other controls for best

NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. ● : Solder links.

(E, A, R, H, M)



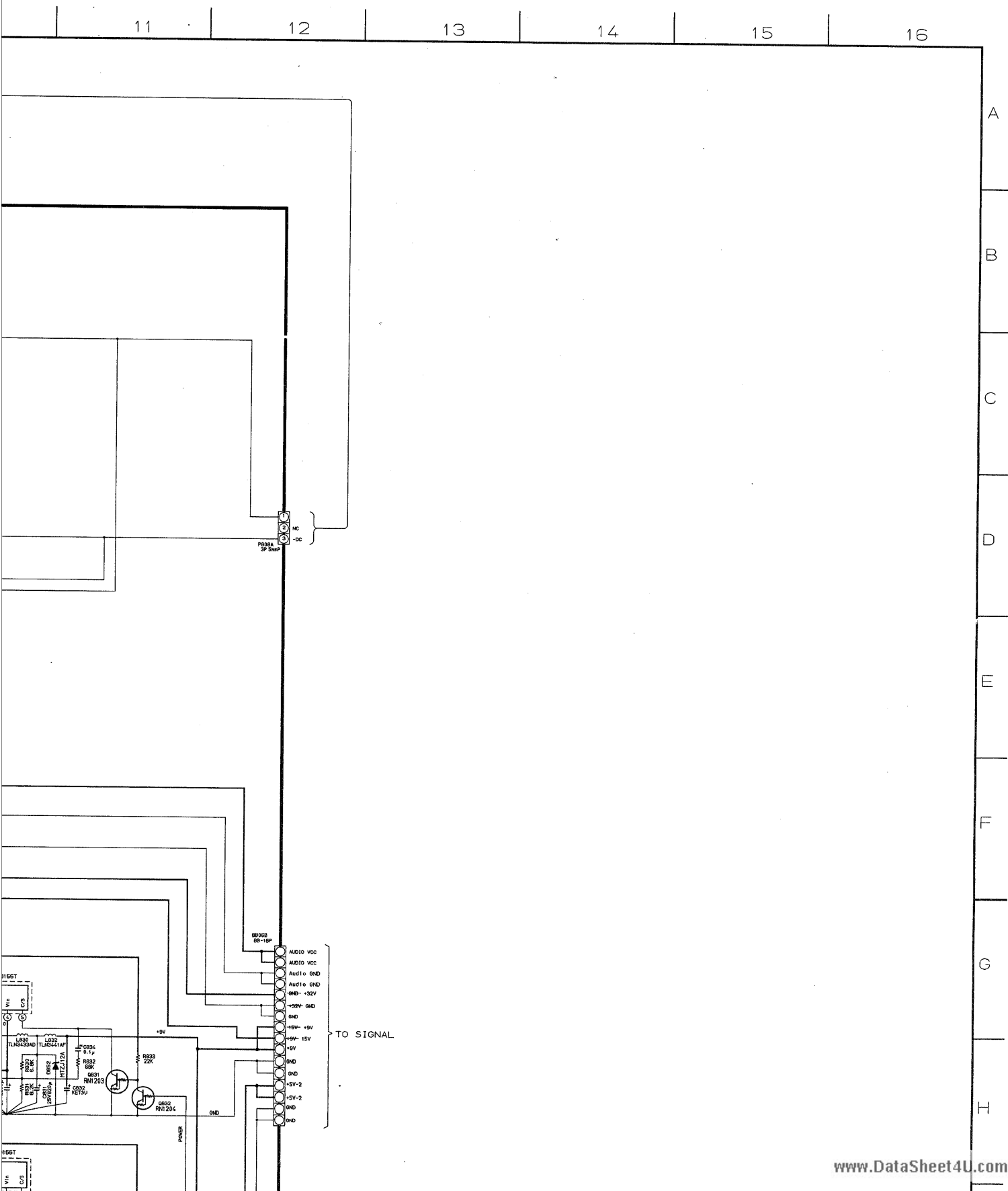
EXPRESSION

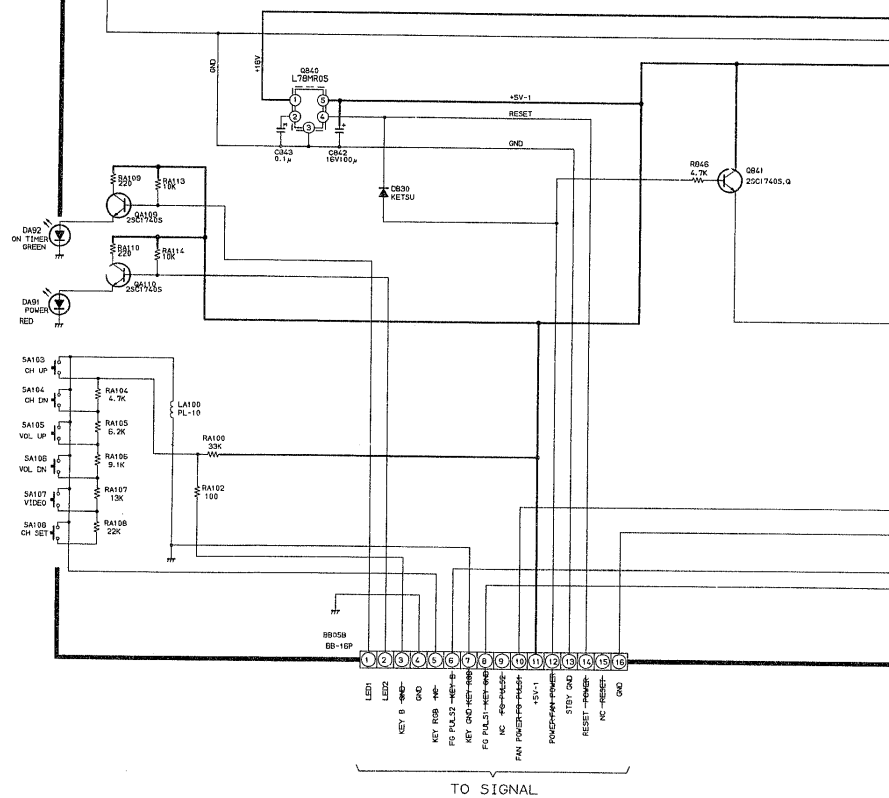
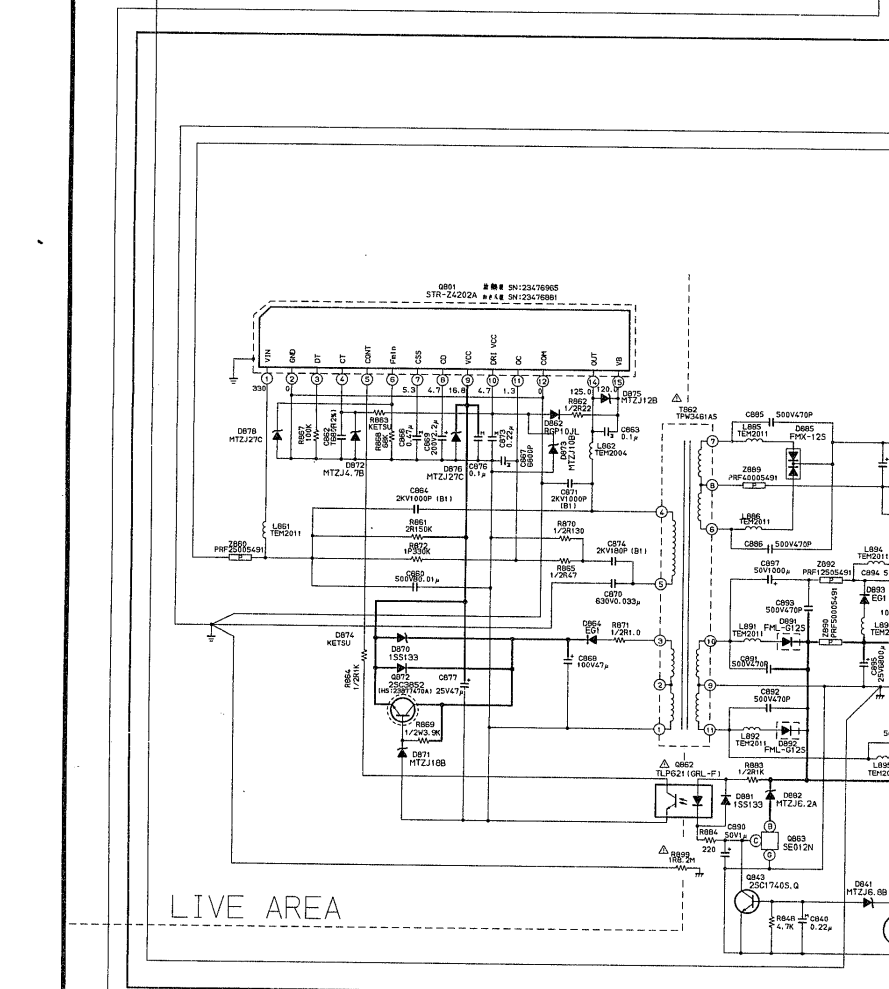
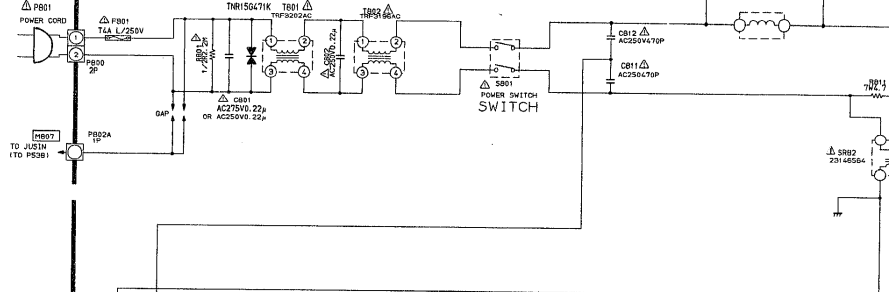
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is schematic dia-

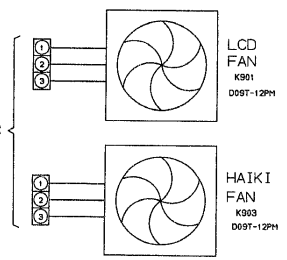
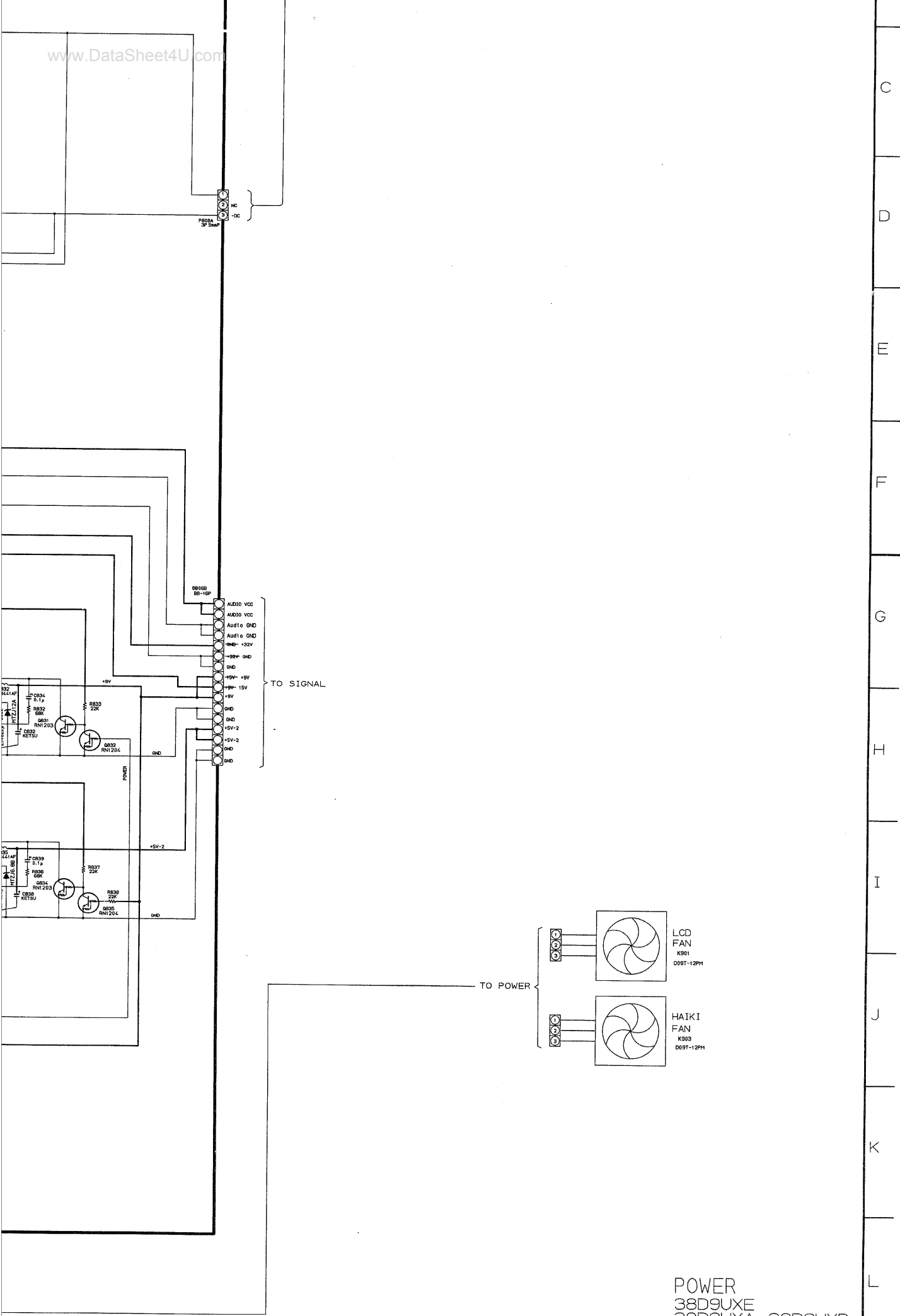
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH , and the values less than 1 in H.









POWER
38D9UXE
38D9UXA 38D9UXR
38D9UXH 38D9UXM

SCHEMATIC DIAGRAM **MODEL : 38D9UXE / 38D9UXA (3/5)**
38D9UXH / 38D9UXR
38D9UXM

CAUTION: The international hazard symbol "A" in the schematic diagram and the parts list designates components which may be dangerous to life or health if not properly handled. The meaning of this symbol is to be identical with original. Before replacing any of these components, read carefully the **PRODUCT SAFETY NOTICE** on page 3. Do not depend on the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGE AND WAVEFORMS

1. Voltages read with VTVM from point shown in chassis ground, line voltage 230 volts, colour bar signal. Voltage reading may vary $\pm 50\%$, a low-capacity probe.
2. Waveforms are taken using a standard colour bar signal.
3. Waveforms are taken using a standard colour bar signal.
4. BRIGHTNESS control is shown in maximum position. See other control for best picture.

NOTES:

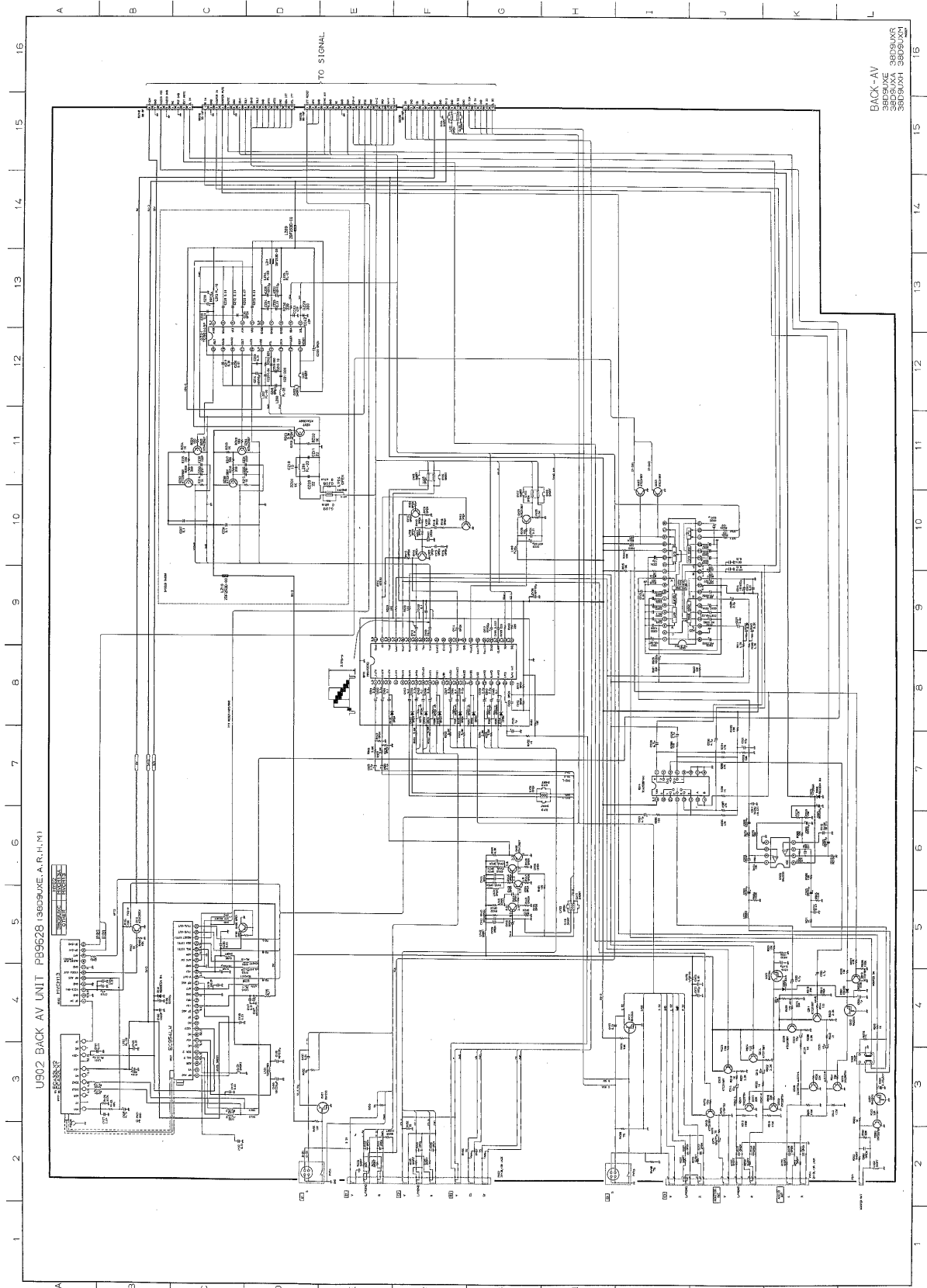
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are intended for separated from the circuit.
2. Unless otherwise noted in schematic, all capacitor values less than 1 μ F are expressed in pF, and the value more than 1 μ F is expressed in μ F.
3. $\bullet$ Solder lugs.

EXPRESSION

VALUE OF RESISTOR, CAPACITOR AND INDUCTOR

1. Unless otherwise noted in schematic, all capacitor values less than 1 μ F are expressed in pF, and the value more than 1 μ F is expressed in μ F.
2. Unless otherwise noted in schematic, all capacitor values less than 1 μ F are expressed in pF, and the value more than 1 μ F is expressed in μ F.
3. Unless otherwise noted in schematic, all capacitor values less than 1 μ F are expressed in pF, and the value more than 1 μ F is expressed in μ F.

40200005

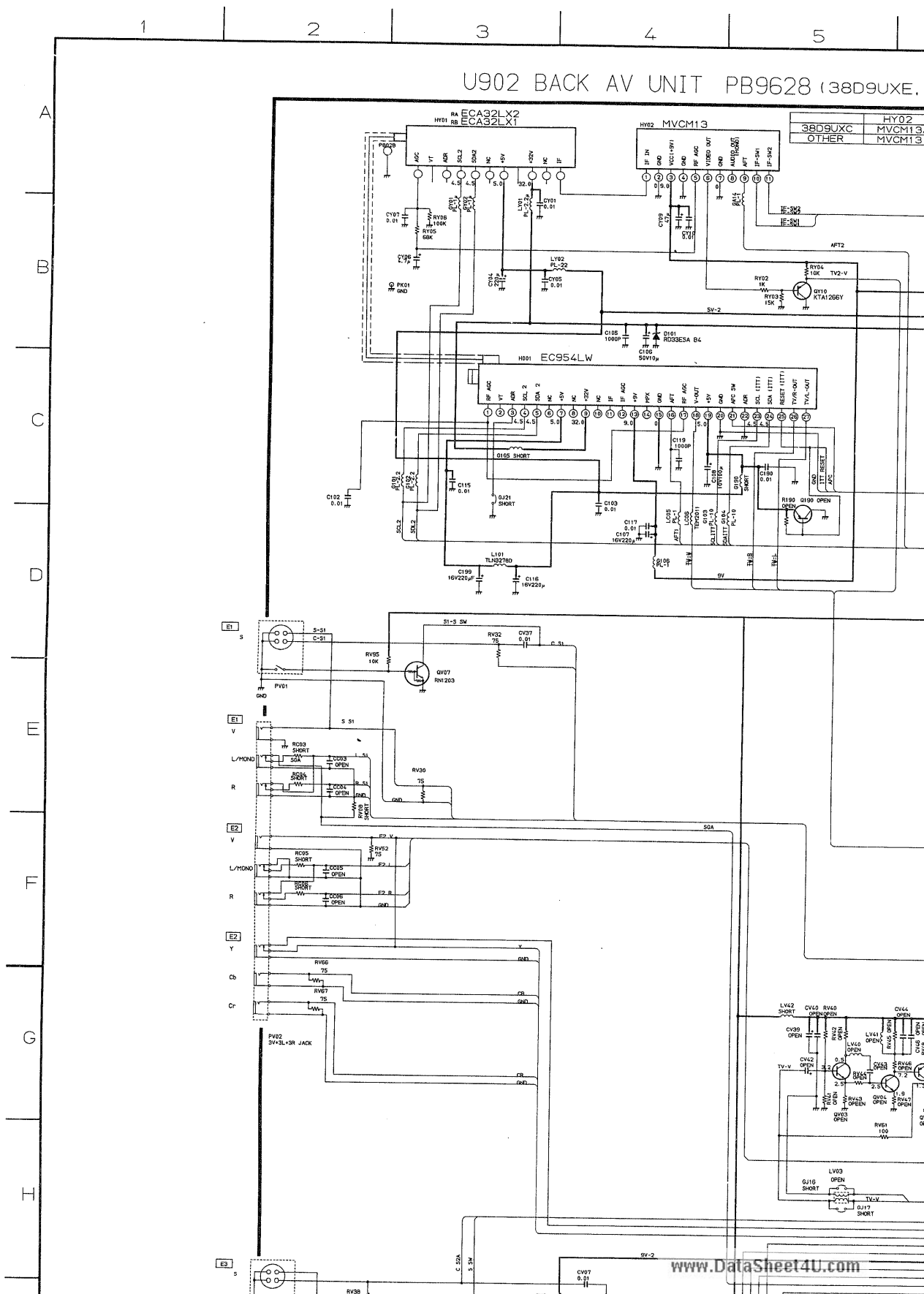


CAUTION: The international hazard symbols "A" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to c volts, colour bar signal. Voltages reading may v
 2. All waveforms are taken using a wide band oscillo
 3. Waveforms are taken using a standard colour ba
 4. Make sure that CONTRAST and COLOUR con
- BRIGHTNESS control is almost in maximum posi picture.

40200005



S AND WAVEFORMS

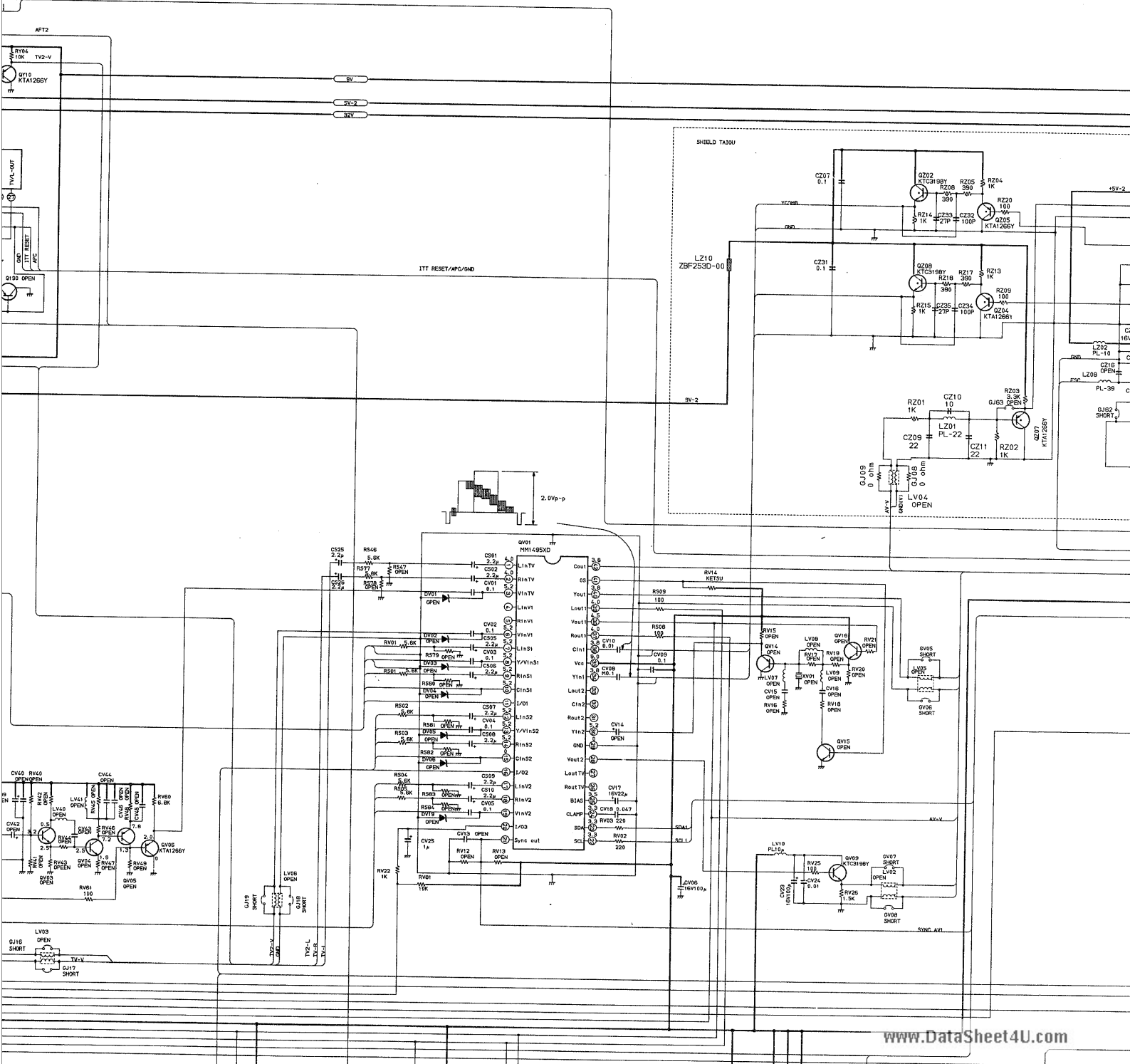
om point shown to chassis ground, line voltage 220
tages reading may vary $\pm 20\%$.
g a wide band oscilloscope and a low capacity probe.
a standard colour bar signal.
F and COLOUR controls are in mid position and
ost in maximum position. Set other controls for best

NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. $\bullet$: Solder links.

8 (38D9UXE, A. R. H. M)

	HY02
38D9UXC	MVCM13A
OTHER	MVCM13



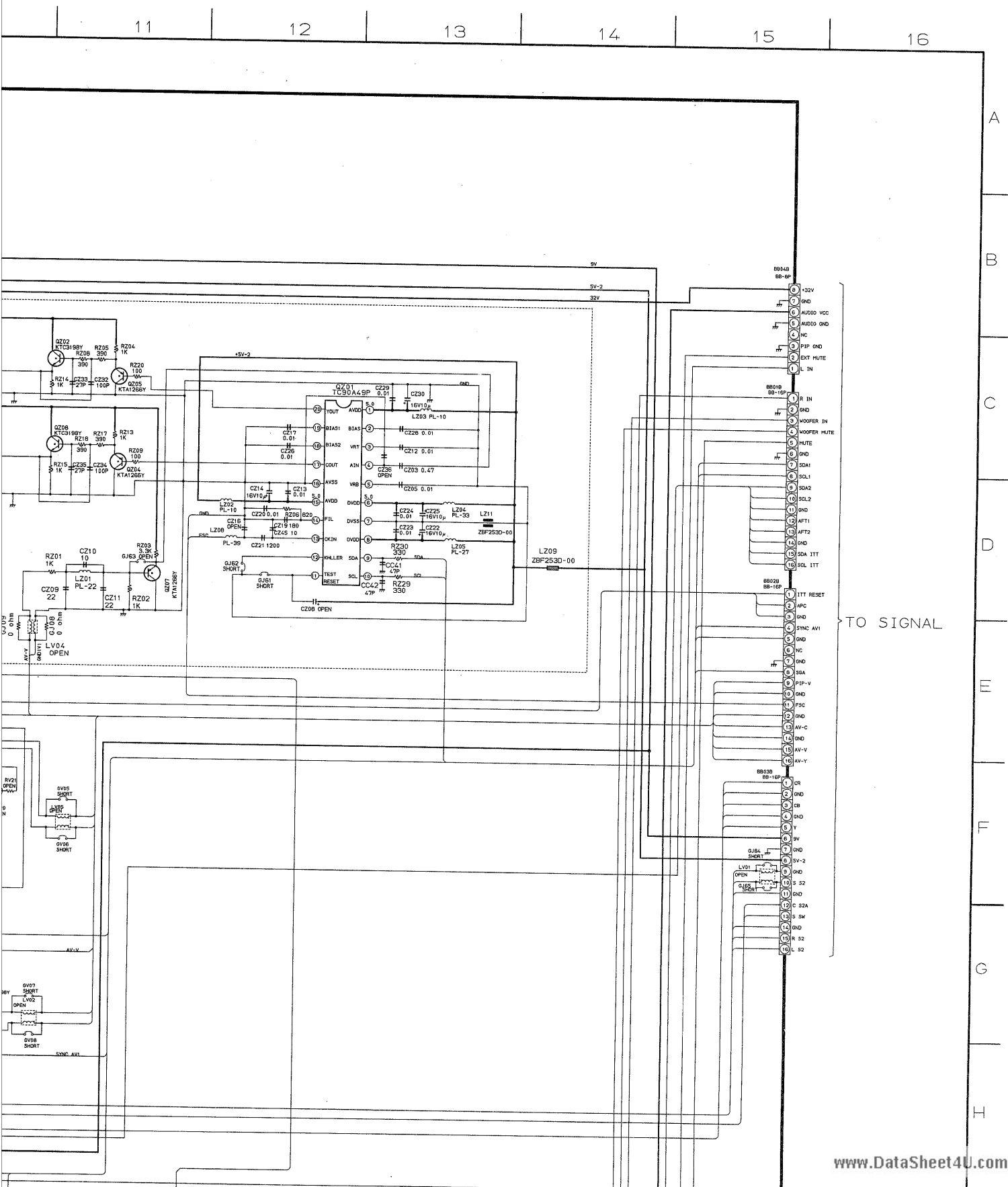
EXPRESSION

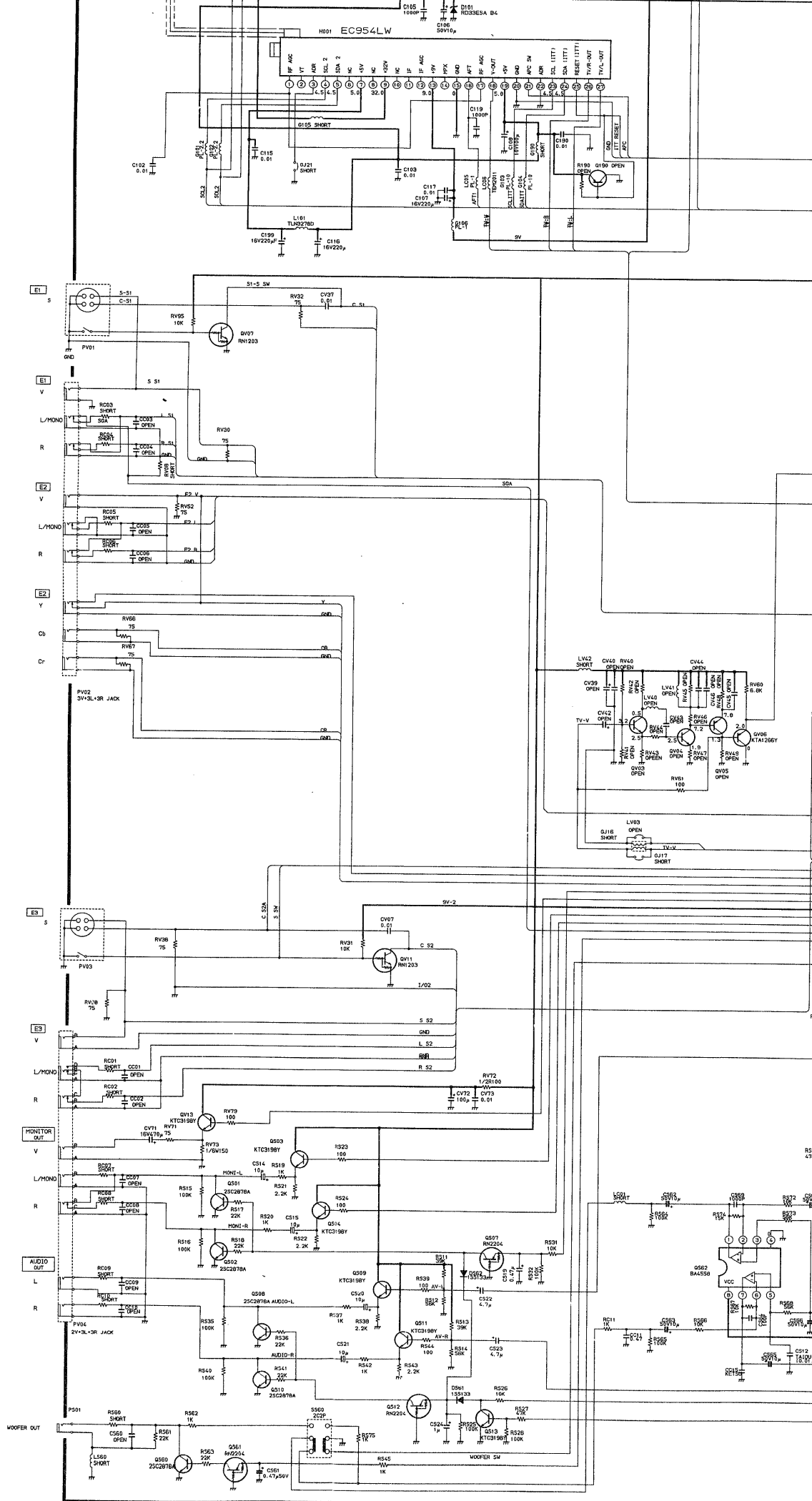
www.DataSheet4U.com

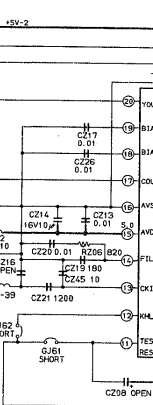
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

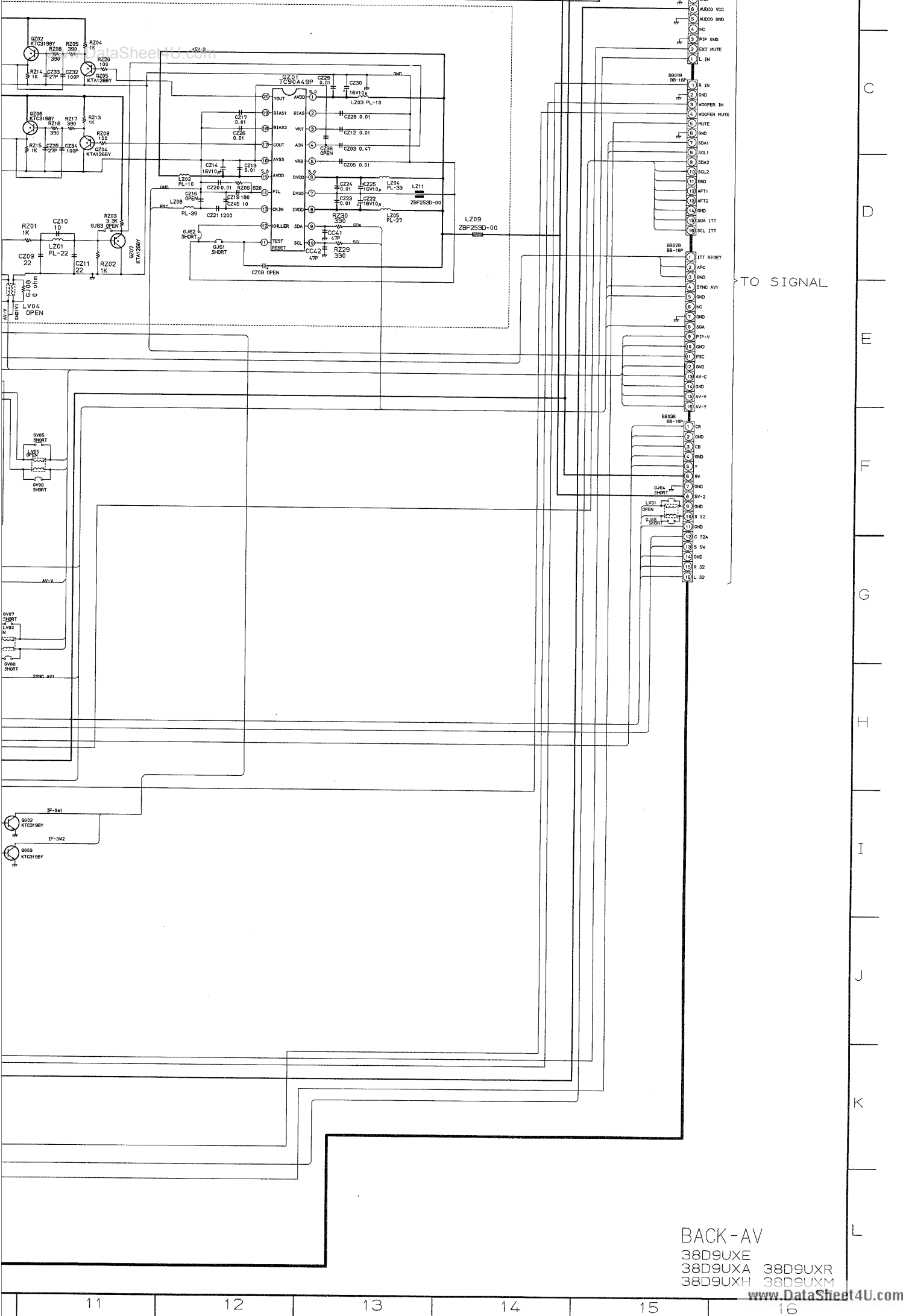
1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μ F and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μ H, and the values less than 1 in H.

his schematic dia-









CAUTION: The international hazard symbol "A" in the schematic diagram and the parts list designates parts which are potentially hazardous to life and health. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on Page 3 to the diagram to identify the correct through-hole components.

OBSERVATION OF VOLTAGE AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 VAC, 50/60 Hz.
2. All voltages are peak-to-peak unless otherwise noted.
3. Waveforms are shown using a standard color bar signal.
4. BRIGHTNESS control is aimed in maximum position. See other circuits for best picture.

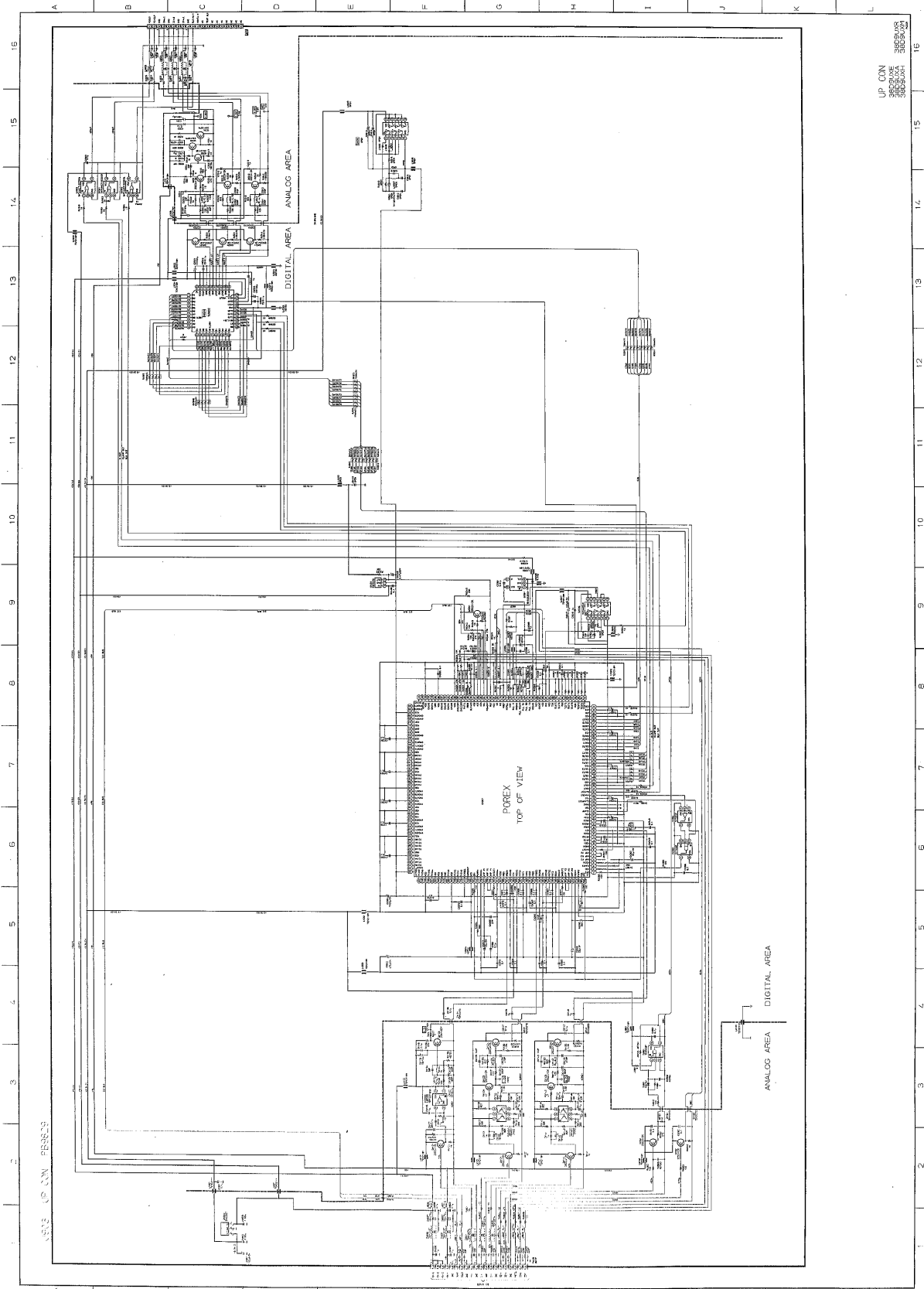
NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram.
2. The circuit is subject to change without notice.
3. Solder links.

EXPRESSION

- VALUE OF RESISTOR, CAPACITOR AND INDUCTOR
1. Resistance is shown in ohm, k=1,000, M=1,000,000.
 2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF.
 3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in mH, and the values less than 1 in H.

40200005

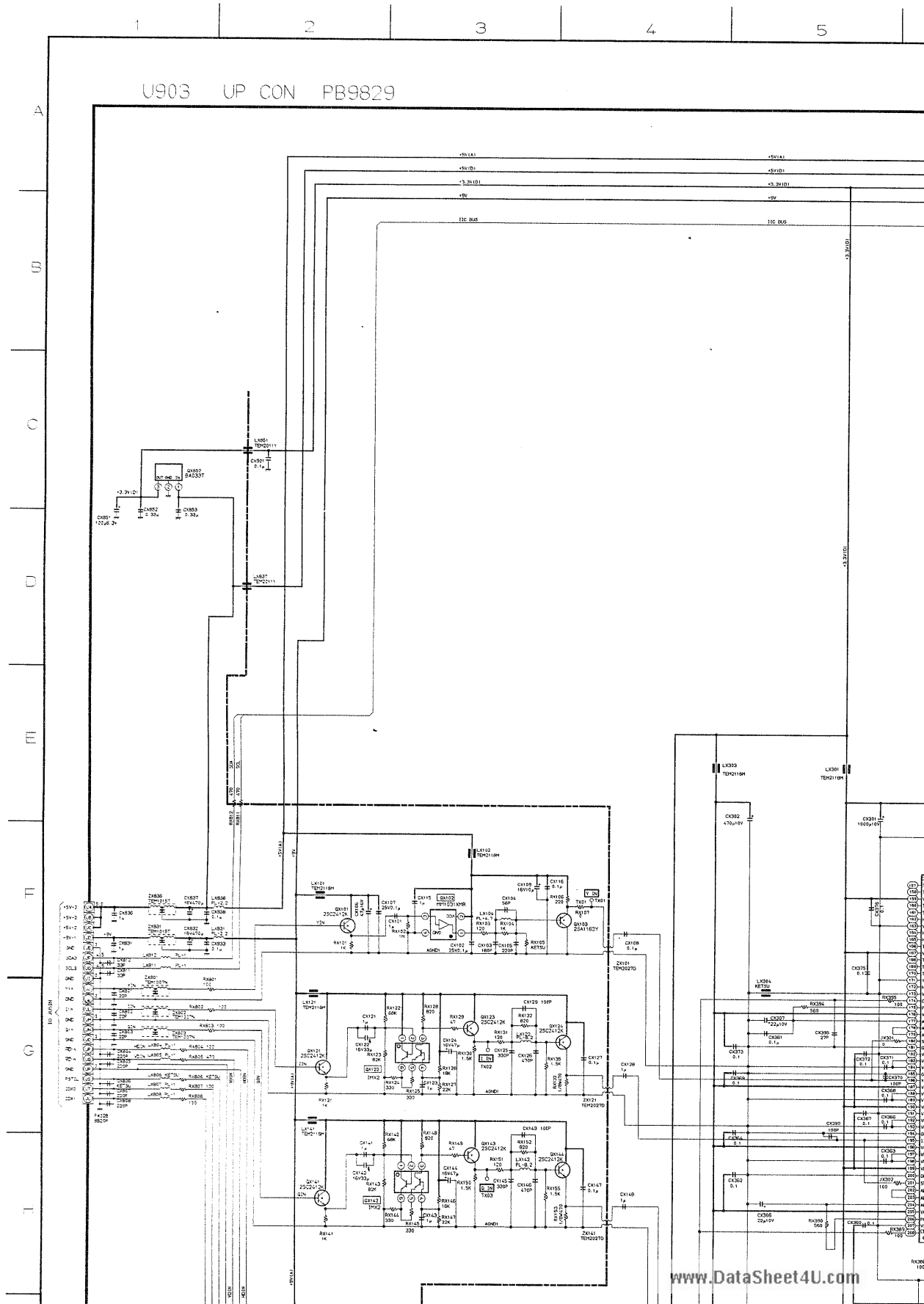


CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORM

1. Voltages read with VTVM from point shown to volts, colour bar signal. Voltages reading may
2. All waveforms are taken using a wide band oscilloscope.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR control is almost in maximum position. BRIGHTNESS control is almost in maximum position.

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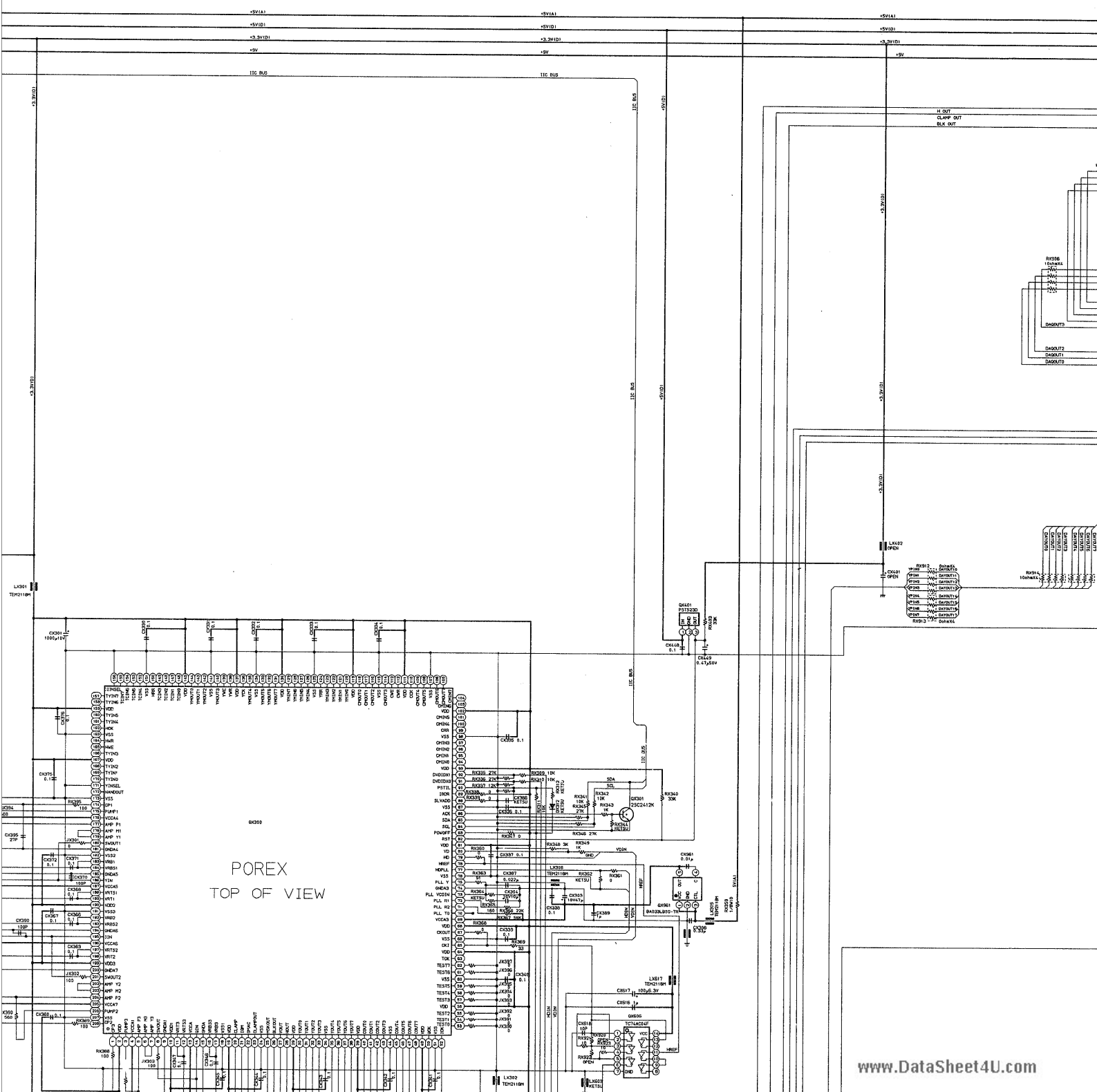


AND WAVEFORMS
 n point shown to chassis ground, line voltage 220
 ges reading may vary $\pm 20\%$.
 a wide band oscilloscope and a low capacity probe.
 standard colour bar signal.
 and COLOUR controls are in mid position and
 st in maximum position. Set other controls for best

NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. $\bullet$: Solder links.

5 6 7 8 9 10 11



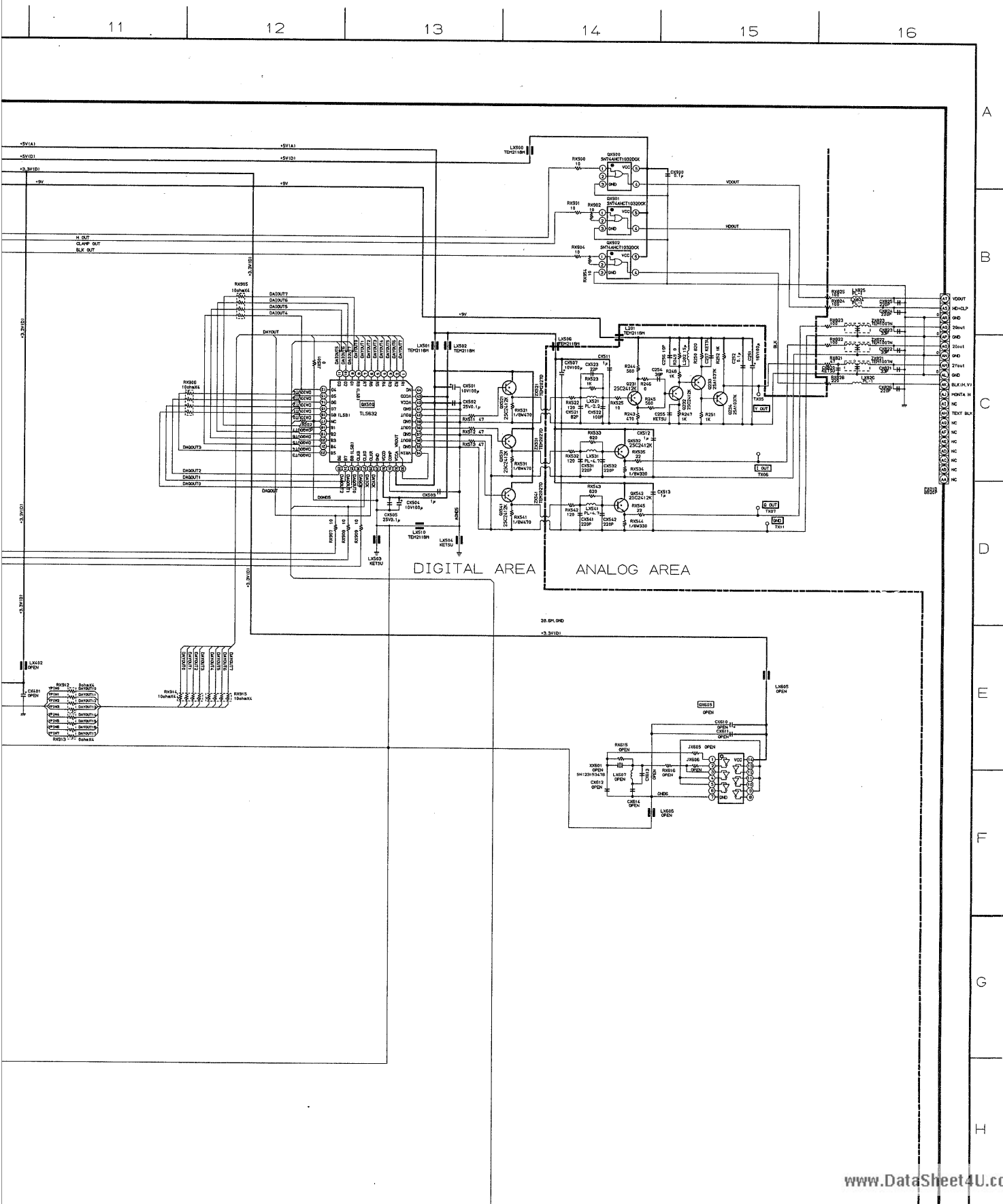
EXPRESSION

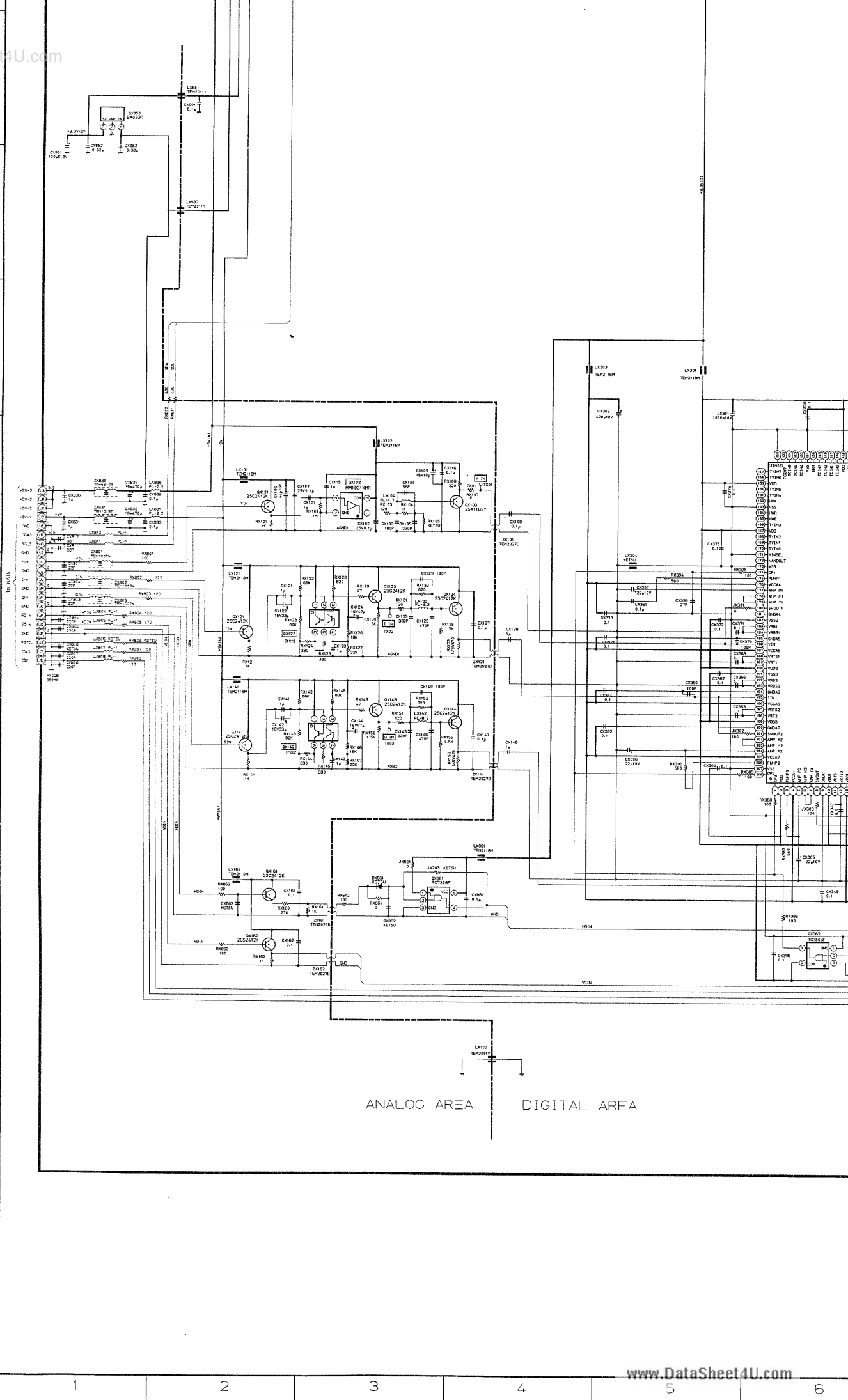
www.DataSheet4U.com

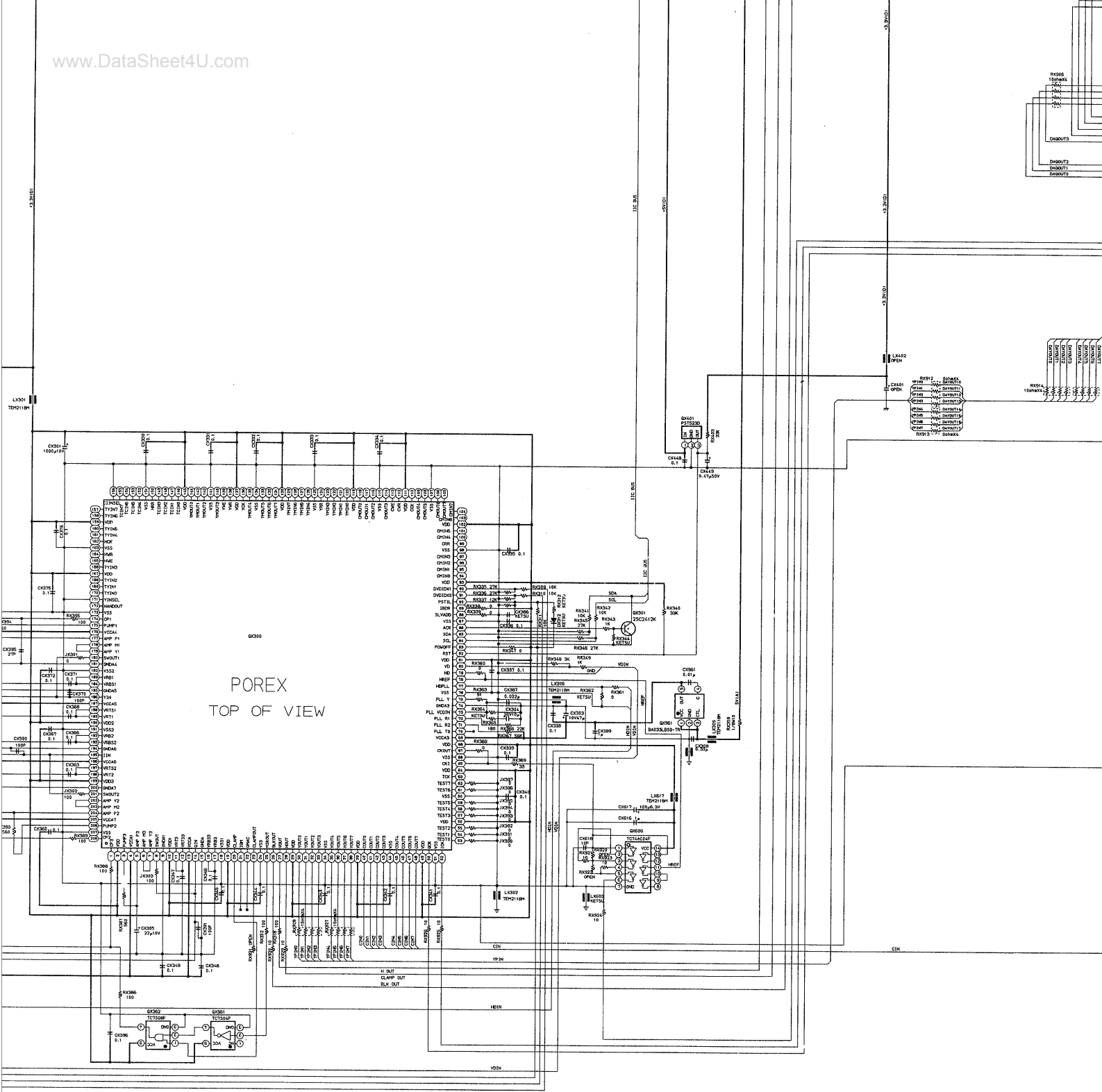
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

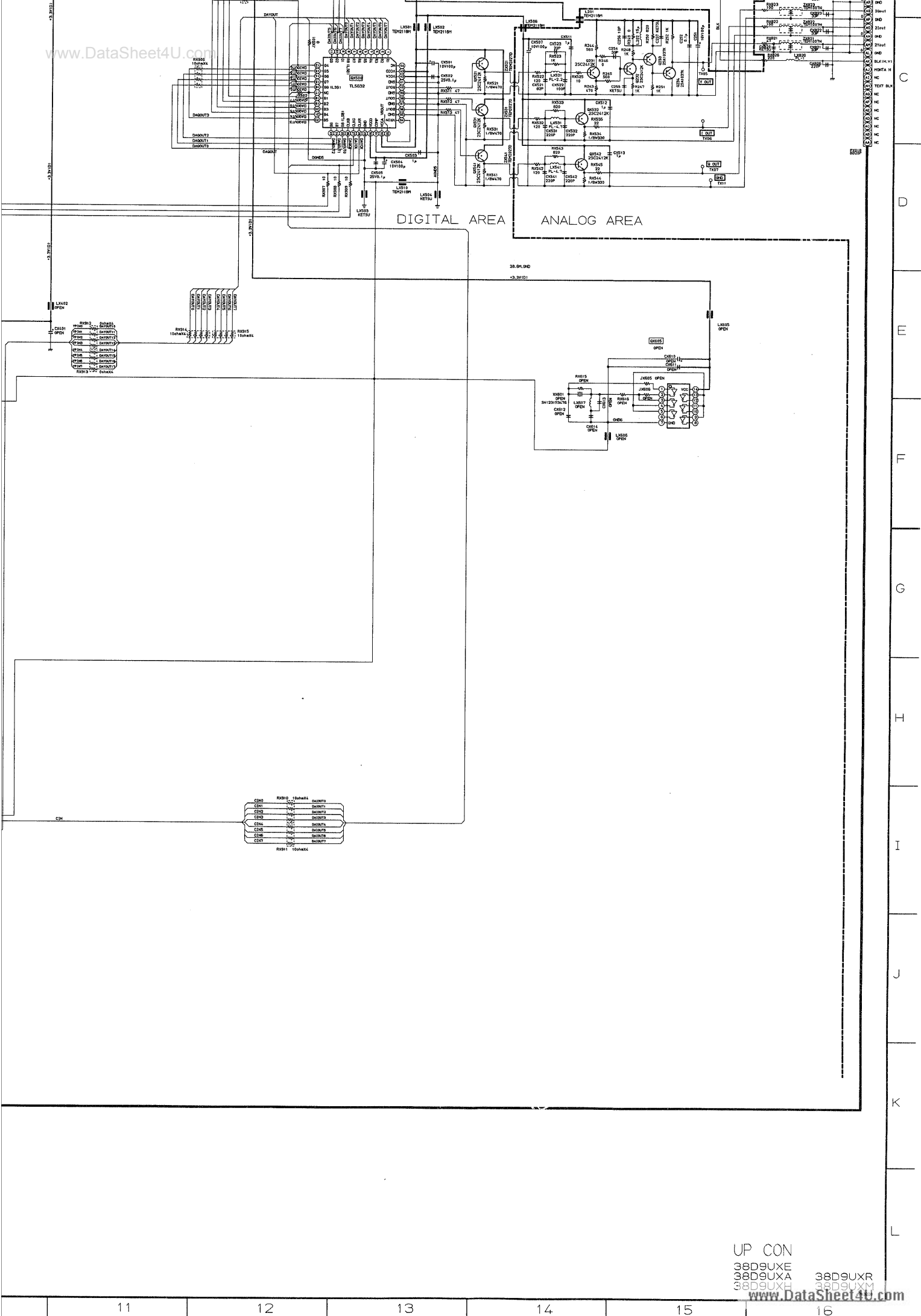
1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH , and the values less than 1 in H.

ematic dia-









(5/5)

MODEL : 38D9UXE / 38D9UXA
38D9UXH / 38D9UXR
38D9UXM

SCHEMATIC DIAGRAM

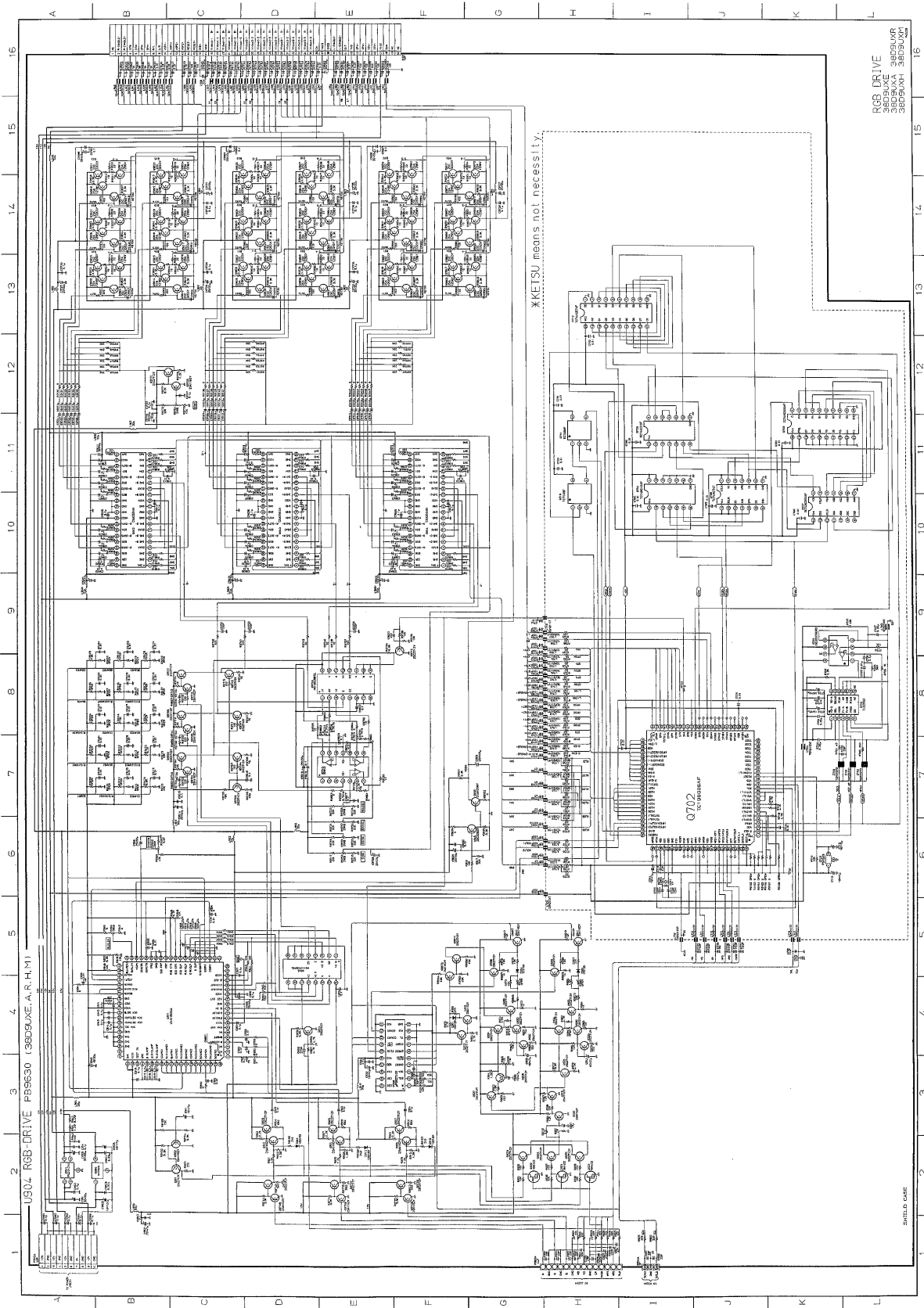
CAUTION: The international heard symbols "A" in the schematic diagram and the parts list designate components which have special characteristics important for safety. Therefore, please be careful to use only the components with original Edoine replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

- EXPLANATION OF VOLTAGES AND WAVEFORMS**
1. Voltages are V_{PP} (V_{PP}) from spot shown to chassis ground. (line voltage 230 V with colour bar signal. Voltages reading may vary slightly.)
 2. Waveforms are taken using a standard colour bar signal.
 3. Waveforms are taken using a standard colour bar signal.
 4. Waveforms are taken using a standard colour bar signal.

- NOTES:**
1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
 2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, and the values less than 1 in H.
 3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in mH, and the values less than 1 in H.
 4. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in mH, and the values less than 1 in H.

EXPRESSION

- VALUE OF RESISTOR, CAPACITOR AND INDUCTOR**
1. Resistance is shown in ohm, k=1,000, M=1,000,000.
 2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, and the values less than 1 in H.
 3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in mH, and the values less than 1 in H.



RGB DRIVE
38D9UXE
38D9UXH
38D9UXM

SHIELD CASE

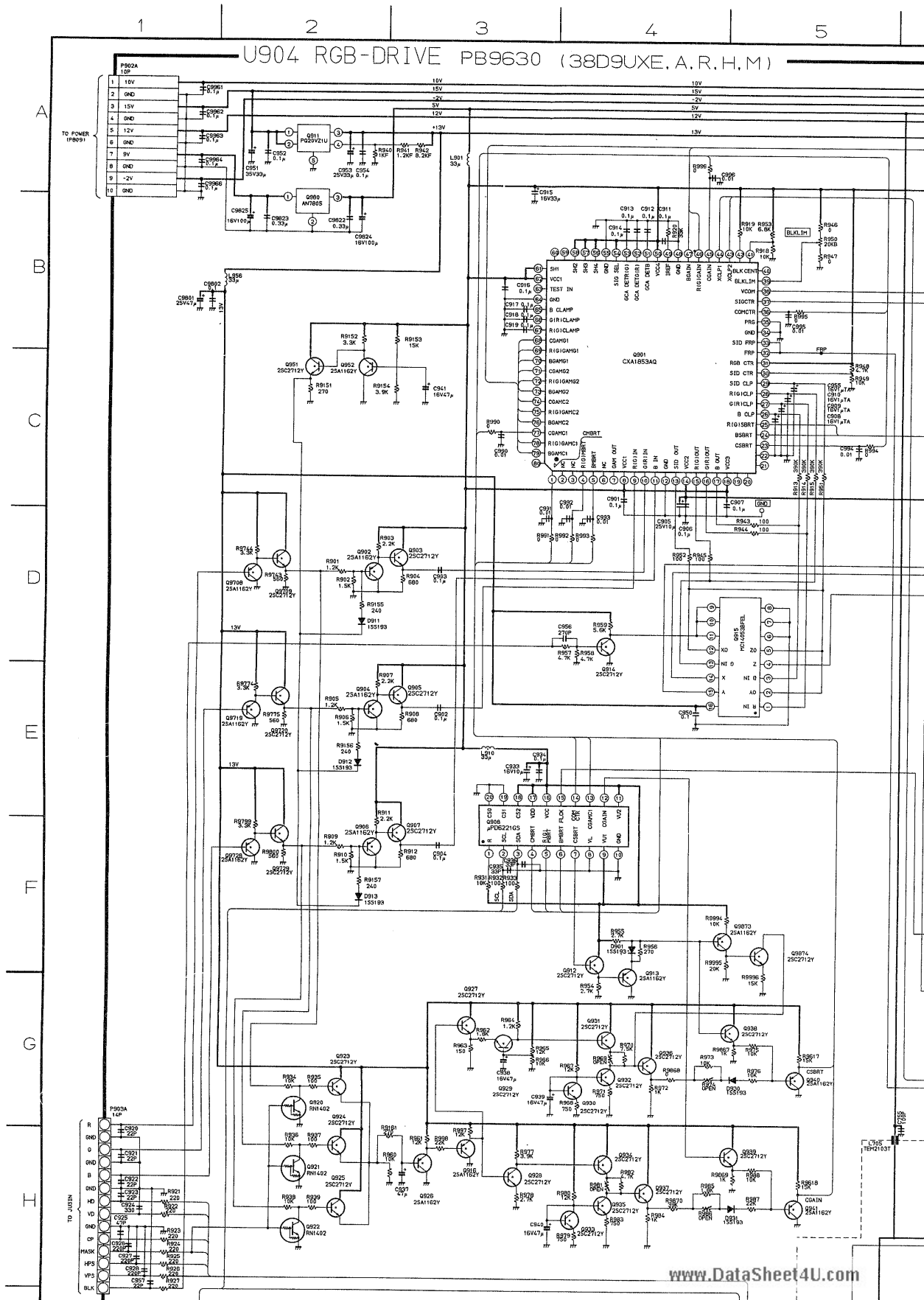
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CAUTION: The international hazard symbols "A" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 3. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to colour bar signal. Voltages reading may vary.
2. All waveforms are taken using a wide band oscilloscope.
3. Waveforms are taken using a standard colour bar.
4. Make sure that CONTRAST and COLOUR control is almost in maximum position. BRIGHTNESS control is almost in maximum position.

40200005



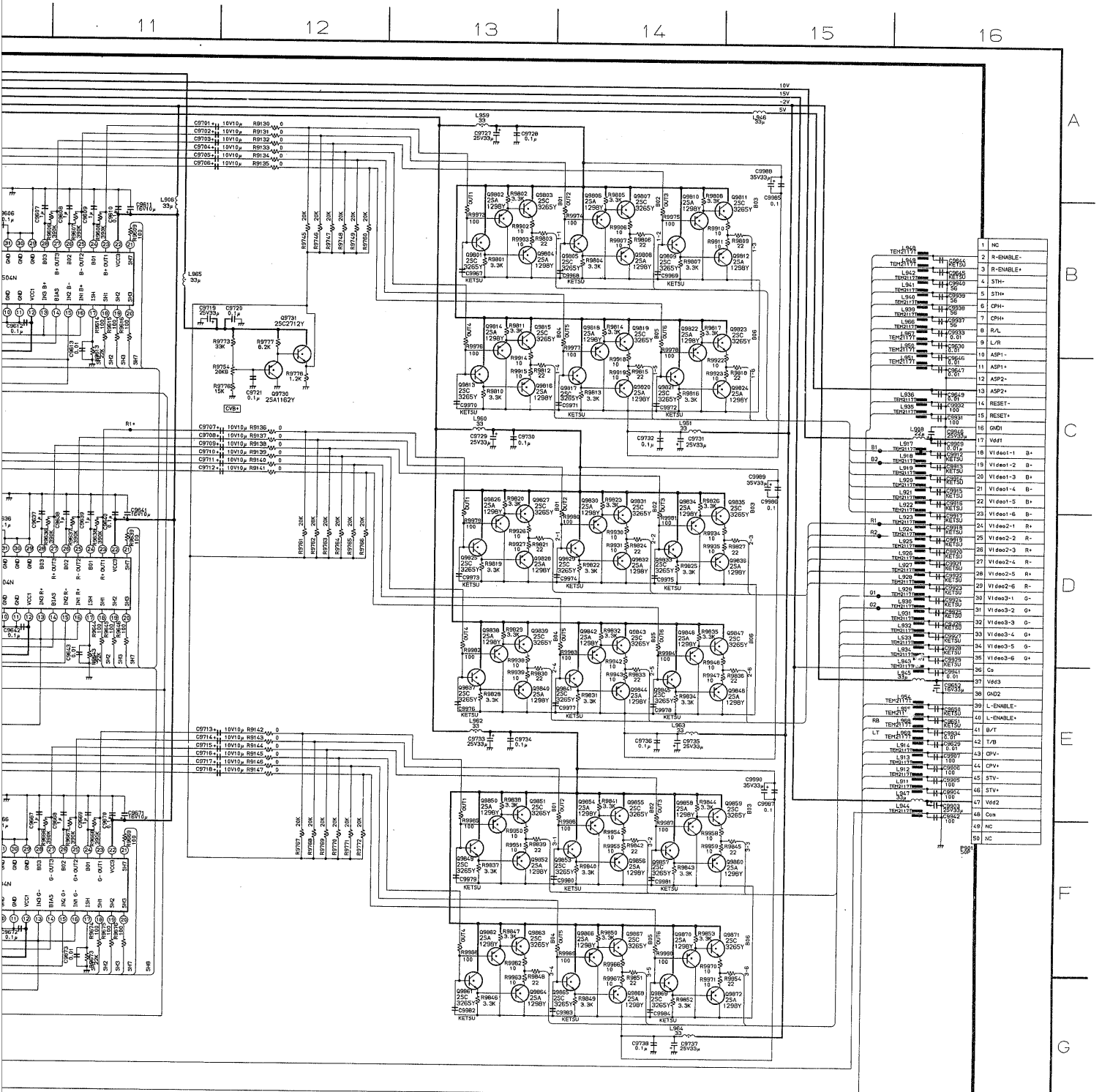
point shown to chassis ground, line voltage 220 es reading may vary $\pm 20\%$. wide band oscilloscope and a low capacity probe. standard colour bar signal. and COLOUR controls are in mid position and in maximum position. Set other controls for best

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. : Solder links.

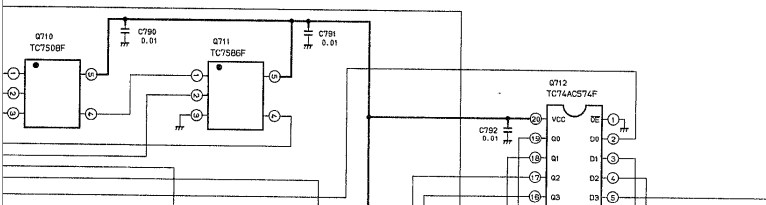


s schematic dia-

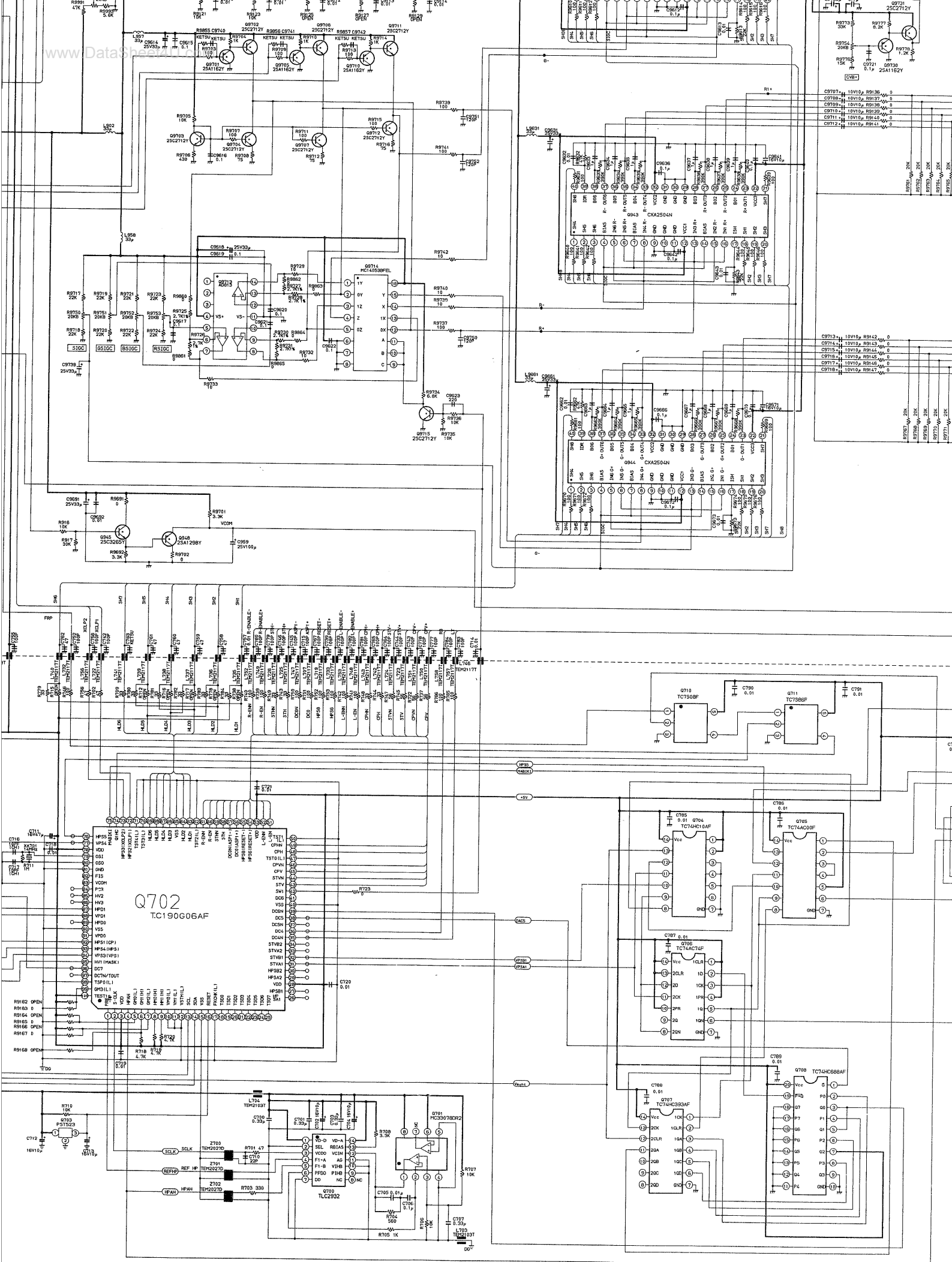
1. Resistance is shown in ohm, k=1,000, M=1,000,000
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH , and the values less than 1 in H.

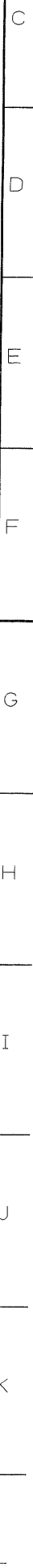


*KETSU means not necessity.









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