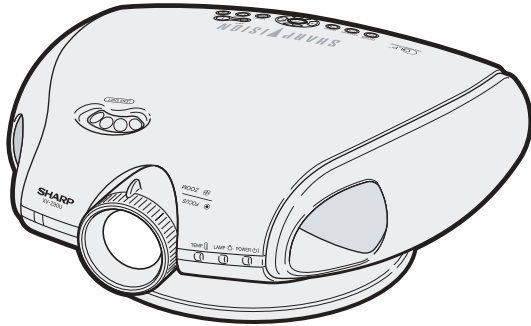


SHARP SERVICE MANUAL SERVICE-ANLEITUNG

1st Edition

PROJECTOR
PROJEKTOR



MODELS
MODELLE

XV-Z90U DT-200

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

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SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

Specifications

Product type	Theater Projector
Model	XV-Z90U/DT-200
Video system	PAL/PAL 60/PAL-M/PAL-N/SECAM/NTSC 3.58/NTSC 4.43/DTV 480i/480P/720P/1080i
Display method	DLP chip, RGB optical shutter method
DLP panel	Panel size: 0.55" (140mm) Display method: Single Panel Digital Micromirror Device (DMD™) by Texas Instruments Drive method: Digital Light Processing (DLP) No. of dots: 480,000 dots (800 [H] x 600 [V])
Lens	1–1.2 x zoom lens, F1.75–2.04, f=28–33.5 mm (XV-Z90U) F2–2.4, f=16.9–20.2 mm (DT-200)
Projection lamp	150 W SHP lamp
Video input signal	RCA Connector: VIDEO (INPUT 4), composite video, 1.0 Vp-p, sync negative, 75 Ω terminated
S-video input signal	4-pin Mini DIN connector (INPUT 3) Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Component input signal (INPUT 1)	RCA Connector Y: 1.0 Vp-p, sync negative, 75 Ω terminated PB: 0.7 Vp-p, 75 Ω terminated PR: 0.7 Vp-p, 75 Ω terminated
Component input signal (INPUT 2)	29-pin connector DVI input signal: Digital 250–1,000 mV 50 Ω Analog 0.7 Vp-p 75 Ω Y: 1.0 Vp-p, sync negative, 75 Ω terminated PB: 0.7 Vp-p, 75 Ω terminated PR: 0.7 Vp-p, 75 Ω terminated
Component RGB input signal (INPUT 2)	29-pin connector RGB separate/sync on green type analog input: 0–0.7 Vp-p, positive, 75 Ω terminated HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) VERTICAL SYNC. SIGNAL: Same as above
Horizontal resolution	520 TV lines (NTSC 3.58 input)
RGB input signal	15-PIN MINI D-SUB CONNECTOR (INPUT 2): RGB separate/composite sync/sync on green type analog input: 0–0.7 Vp-p, positive, 75 Ω terminated HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) or composite sync (Apple only) VERTICAL SYNC. SIGNAL: Same as above
Pixel clock	12–110 MHz
Vertical frequency	43–75 Hz
Horizontal frequency	15–70 kHz
Computer control signal	9-pin D-sub connector (RS-232C Port)
Rated voltage	AC 100–240 V
Input current	3.6 A
Rated frequency	50/60 Hz
Power consumption	200 W
Heat dissipation	1,400 BTU/hour
Operating temperature	41°F to 95°F (+5°C to +35°C)
Storage temperature	–4°F to 140°F (–20°C to +60°C)
Cabinet	Plastic
I/R carrier frequency	38 kHz
Dimensions (approx.)	14 1/2" (W) x 6 9/16" (H) x 12 7/8" (D) (368 x 153.8 x 327 mm) (including swivel stand) 14 1/2" (W) x 4 5/8" (H) x 12 7/8" (D) (368 x 118 x 327 mm) (main body only)
Weight (approx.)	9.5 lbs. (4.3 kg) (including swivel stand) 8.4 lbs. (3.8kg) (main body only)
Supplied accessories	Remote control, Two AA size batteries, Power cord (11' 10", 3.6 m), Terminal cover, Lens cap (attached on the body), Lens cap strap, Operation manual, Screws for terminal cover
Replacement parts	Lamp unit (Lamp/cage module) (BQC-XVZ90+++1), Remote control (RRMCGA064WJSA), AA size batteries, Power cord (QACDDA007WJPZ), Terminal cover (GCOVAA116WJKA), Lens cap (CCAPHA004WJ01), Lens cap strap (UBNDT0013CEZZ), Operation manual (TINS-A286WJZZ:XV-Z90U, TINS-A287WJZZ:DT-200), Screws for terminal cover (XBBSN40P10000)

This SHARP projector uses a DMD chip. This very sophisticated chip contains 480,000 pixels. As with any high technology electronic equipment such as large screen TVs, video systems and videocameras, there are certain acceptable tolerances that the equipment must conform to.

This unit has some inactive pixels within acceptable tolerances which may result in inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit. If you have any questions about this matter, please call toll free 1-877-DTV-SHARP (1-877-388-7427). U.S.A. ONLY

Specifications are subject to change without notice.

IMPORTANT SERVICE SAFETY NOTES (for USA)

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines as follows:

WARNING

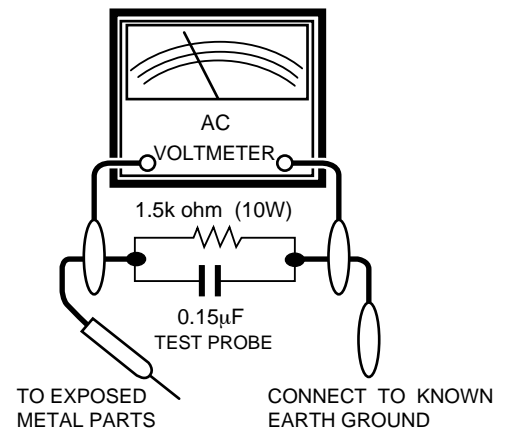
1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

BEFORE RETURNING THE PROJECTOR: (Fire & Shock Hazard)

Before returning the projector to the user, perform the following safety checks:

1. Inspect lead wires are not pinched between the chassis and other metal parts of the projector.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for current leakage in the following manner:
 - Plug the AC cord directly into a 120-volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in parallel between all exposed metal cabinet parts and earth ground.

- Use an AC voltmeter with sensitivity of 5000 ohm per volt., or higher, sensitivity to measure the AC voltage drop across the resistor (See Diagram).
- All checks must be repeated with the AC plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these checks.)
Any reading of 0.3 volts RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in Projector have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by “ \triangle ” and shaded areas in the Replacement Parts Lists and Schematic Diagrams. For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

WARNING: The bimetallic component has the primary conductive side exposed. Be very careful in handling this component when the power is on.

AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les projecteur à présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc. Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque “ \triangle ” et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques. Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies ou autres accidents.

AVERTISSEMENT: La composante bimétallique dispose du conducteur primaire dénudé. Faire attention lors de la manipulation de cette composante sous tension.

NOTE TO SERVICE PERSONNEL

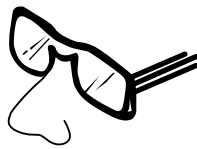
UV-RADIATION PRECAUTION

The light source, metal halide lamp, in the projector emits small amounts of UV-Radiation.

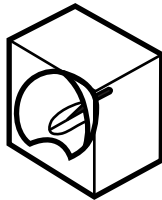
AVOID DIRECT EYE AND SKIN EXPOSURE.

To ensure safety please adhere to the following:

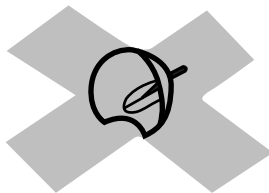
1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.



2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type BQC-XVZ90+++1 rated 70V/150W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

NOTE POUR LE PERSONNEL D'ENTRETIEN

PRECAUTION POUR LES RADIATIONS UV

La source de lumière, la lampe métal halide, dans le projecteur émet de petites quantités de radiation UV.

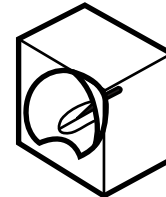
EVITEZ TOUTE EXPOSITION DIRECTE DES YEUX ET DE LA PEAU.

Pour votre sécurité, nous vous prions de respecter les points suivants:

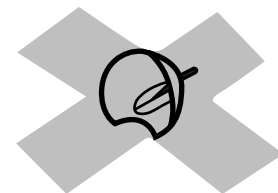
1. Toujours porter des lunettes de soleil lors d'un entretien du projecteur avec la lampe allumée et le haut du coffret retiré.



2. Ne pas faire fonctionner la lampe à l'extérieur du boîtier de lampe.



3. Ne pas faire fonctionner plus de 2 heures avec le coffret retiré.



Précautions pour les radiations UV et la lampe moyenne pression

1. Toujours débrancher la fiche AC lors du remplacement de la lampe.
2. Laisser l'unité refroidir pendant une heure avant de procéder à l'entretien.
3. Ne remplacer qu'avec une lampe du même type. Type BQC-XVZ90+++1 caractéristique 70V/150W.
4. La lampe émet de petites quantités de radiation UV-éviter tout contact direct avec les yeux.
5. La lampe moyenne pression implique un risque d'explosion. Toujours suivre les instructions d'installation décrites ci-dessous et manipuler la lampe avec soin.

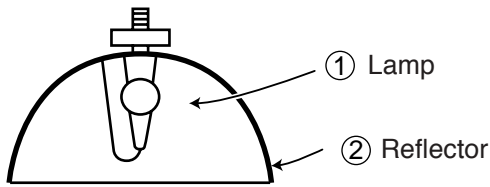
UV-RADIATION PRECAUTION (Continued)

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.) Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.

[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposure.

Note: Please obtain a lens cap before servicing a models XV-Z90U/DT-200 that is received without one.

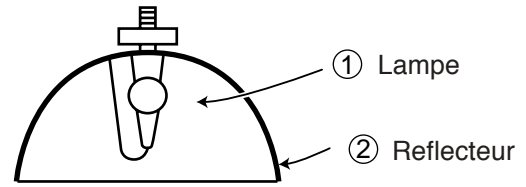
PRECAUTION POUR LES RADIATIONS UV (Suite)

■ Remplacement de la lampe

Remarque:

Comme la lampe devient très chaude pendant le fonctionnement de l'unité, son remplacement ne doit être effectué au moins une heure après avoir coupé l'alimentation (pour permettre à la lampe de refroidir). En installant la nouvelle lampe, s'assurer de ne pas toucher la lampe (ampoule). Remplacer la lampe en tenant son réflecteur ②.

[N'utiliser qu'un remplacement d'origine.]





DANGER ! — Ne jamais mettre sous tension sans la lampe pour éviter un choc électrique ou des dommages des appareils car le stabilisateur génère de hautes tensions à sa mise en route.

Comme de petites quantités de radiation UV sont émises par une ouverture entre le couvercle du conduit et le boîtier de la lampe, il est recommandé de placer le CAPUCHON D'OPTIQUE sur l'ouverture pendant l'entretien pour éviter une exposition des yeux et la peau.

Remarque: Prière de se procurer un capuchon d'optique avant d'entretenir un modèle XV-Z90U/DT-200 qui est livré sans.

WARNING: High brightness light source, do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly in to the beam of light.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO MOISTURE OR WET LOCATIONS.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT REMOVE SCREWS EXCEPT SPECIFIED USER SERVICE SCREWS	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE CABINET. NO USER-SERVICEABLE PARTS EXCEPT LAMP UNIT. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		





The lighting flash with arrowhead within a triangle is intended to tell the user that parts inside the product are risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the manual with the projector.

AVERTISSEMENT: Source lumineuse de grande intensité. Ne pas fixer le faisceau lumineux ou le regarder directement. Veiller particulièrement à éviter que les enfants ne fixent directement le faisceau lumineux.

AVERTISSEMENT: AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION, NE PAS PLACER CET APPAREIL DANS UN ENDROIT HUMIDE OU MOUILLE.

	ATTENTION RISQUE D'ELECTROCUTION NE PAS RETIRER LES VIS, A L'EXCEPTION DES VIS DE REPARATION UTILISATEUR SPECIFIEES	
ATTENTION: POUR EVITER TOUT RISQUE D'ELECTROCUTION, NE PAS RETIRER LE CAPOT. AUCUNE DES PIECES INTERIEURES N'EST REPARABLE PAR L'UTILISATEUR, A L'EXCEPTION DE L'UNITE DE LAMPE. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN D'ENTRETIEN QUALIFIE.		



L'éclair terminé d'une flèche à l'intérieur d'un triangle indique à l'utilisateur que les pièces se trouvant dans l'appareil sont susceptibles de provoquer une décharge électrique.



Le point d'exclamation à l'intérieur d'un triangle indique à l'utilisateur que les instructions de fonctionnement et d'entretien sont détaillées dans les documents fournis avec le projecteur.

Precautions for using lead-free solder

1 Employing lead-free solder

"Front-R/C, LED, DVi-TANi, terminal 2,Rear-R/C and key PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldening bit, contact our service station or service ranch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you conurm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

if a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Becareful when replacing parts with polarity indication on the PWB silk.

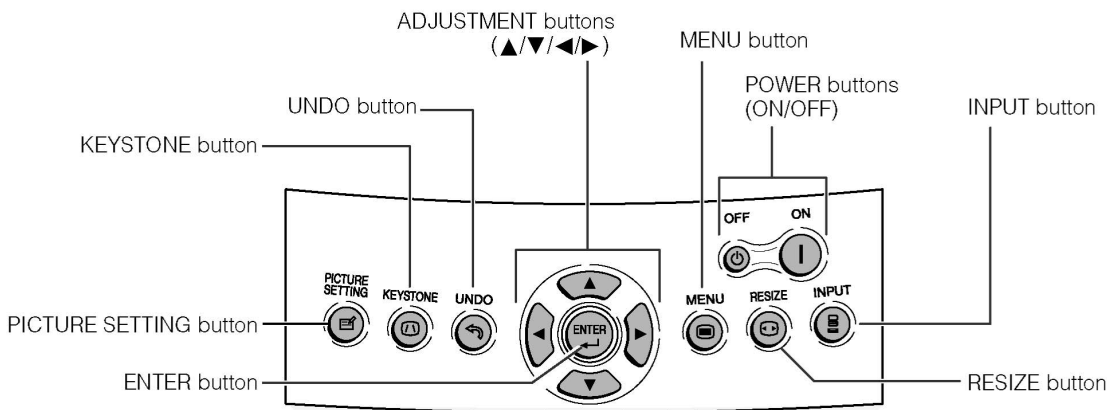
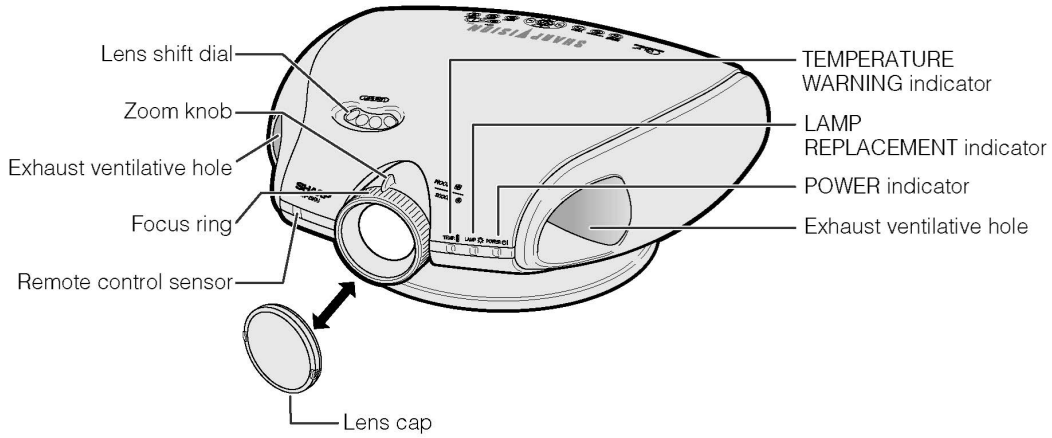
Lead-free wire solder for servicing

Part No.	★	Description	Code
ZHNDAi123250E	J	φ0.3mm 250g(1roll)	BL
ZHNDAi126500E	J	φ0.6mm 500g(1roll)	BK
ZHNDAi12801KE	J	φ1.0mm 1kg(1roll)	BM

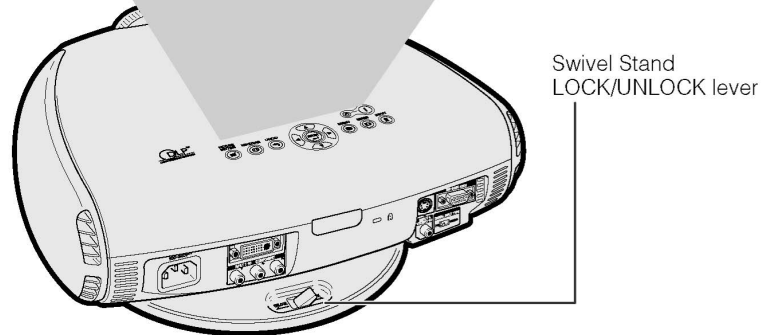
Location of Controls

Projector

Front and Top View

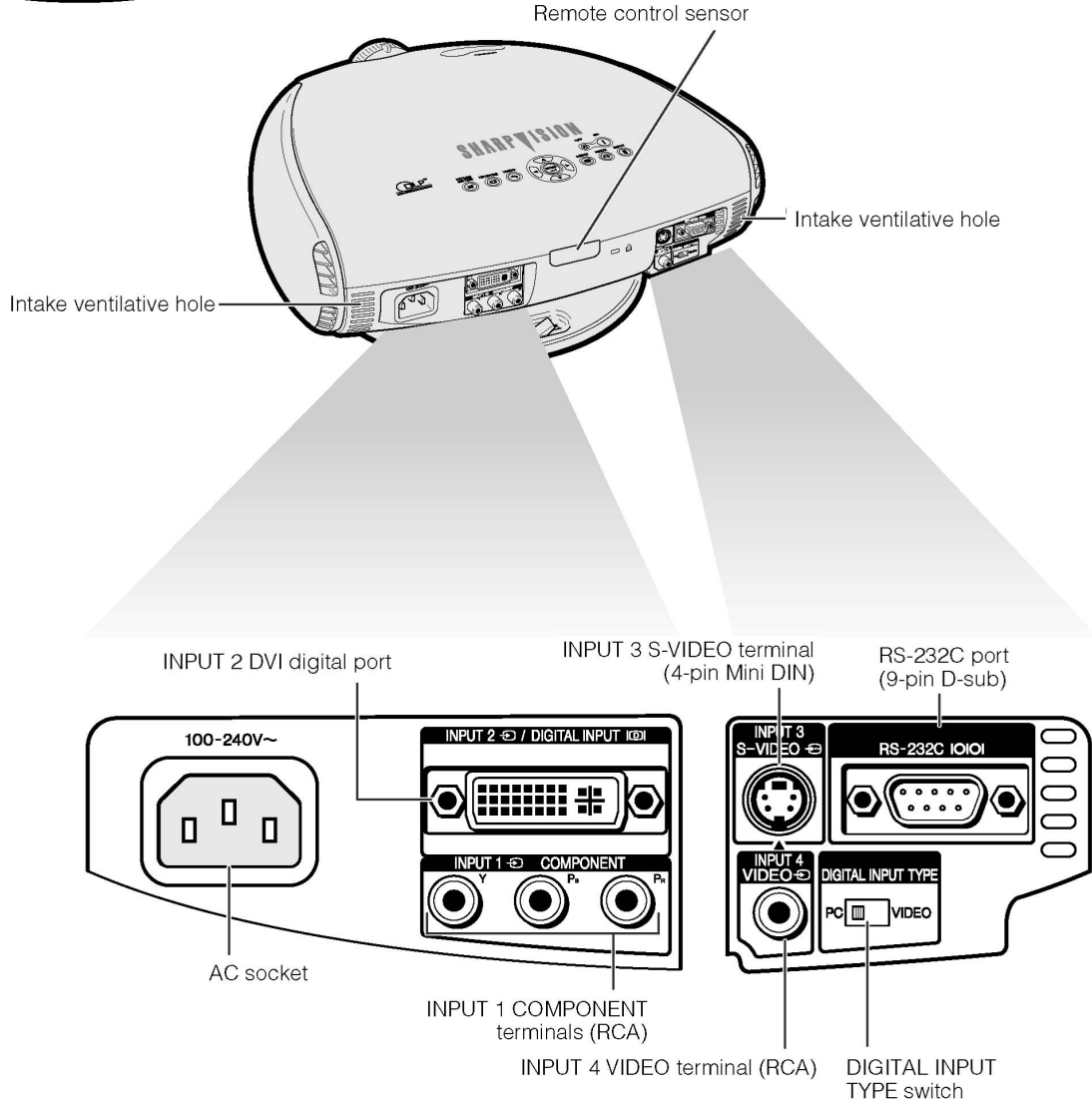


Side and Rear View



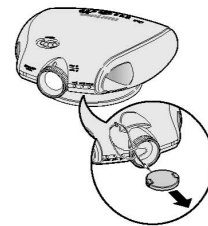
Projector

Side and Rear View

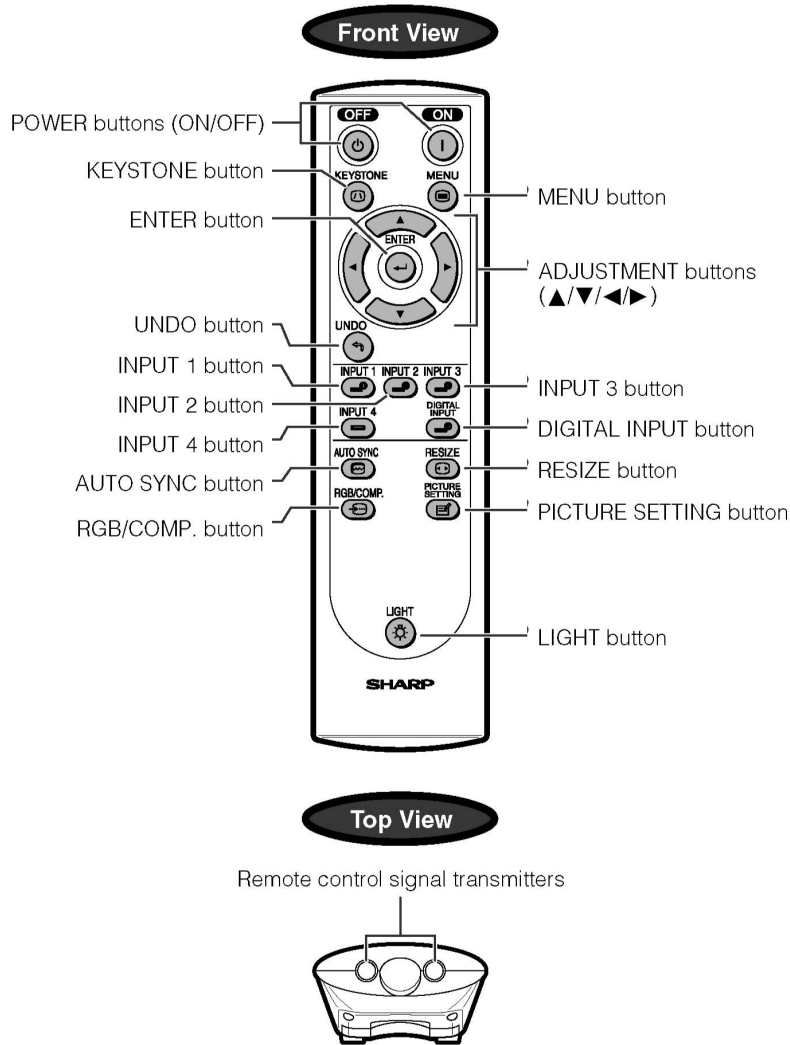


Attaching the Lens Cap

After putting the lens cap strap on the lens cap, pass the other end of the strap through the hole under the projector, next to the lens.



Remote Control

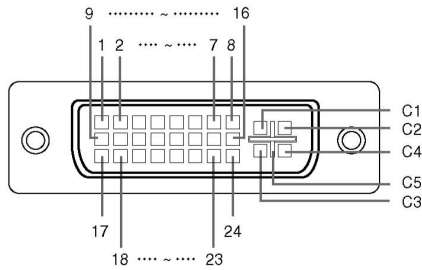


Inserting the batteries

<p>1 Pull down the tab on the battery cover and remove the cover towards the direction of the arrow.</p>	<p>2 Insert two AA size batteries, making sure the polarities match the + and - marks inside the battery compartment.</p>	<p>3 Insert the lower tab of the battery cover into the opening, and press the cover until it clicks in place.</p>
<p>Battery cover</p>	<p>Battery compartment</p>	<p>Battery cover</p>

Connection Pin Assignments

DVI-I (INPUT 2 / DIGITAL INPUT) port : 29 pin connector



• DVI Digital INPUT

Pin No.	Signal	Pin No.	Signal
1	T.M.D.S data 2-	16	Hot plug detection
2	T.M.D.S data 2+	17	T.M.D.S data 0-
3	T.M.D.S data 2 shield	18	T.M.D.S data 0+
4	Not connected	19	T.M.D.S data 0 shield
5	Not connected	20	Not connected
6	DDC clock	21	Not connected
7	DDC data	22	T.M.D.S clock shield
8	Not connected	23	T.M.D.S clock+
9	T.M.D.S data 1-	24	T.M.D.S clock-
10	T.M.D.S data 1+	C1	Not connected
11	T.M.D.S data 1 shield	C2	Not connected
12	Not connected	C3	Not connected
13	Not connected	C4	Not connected
14	+5V power	C5	Ground
15	Ground		

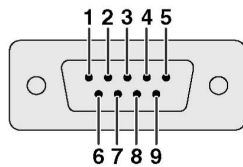
• DVI Analog RGB Input

Pin No.	Signal	Pin No.	Signal
1	Not connected	16	Hot plug detection
2	Not connected	17	Not connected
3	Not connected	18	Not connected
4	Not connected	19	Not connected
5	Not connected	20	Not connected
6	DDC clock	21	Not connected
7	DDC data	22	Not connected
8	Vertical sync	23	Not connected
9	Not connected	24	Not connected
10	Not connected	C1	Analog input Red
11	Not connected	C2	Analog input Green
12	Not connected	C3	Analog input Blue
13	Not connected	C4	Horizontal sync
14	+5V power	C5	Ground
15	Ground		

• DVI Analog Component Input

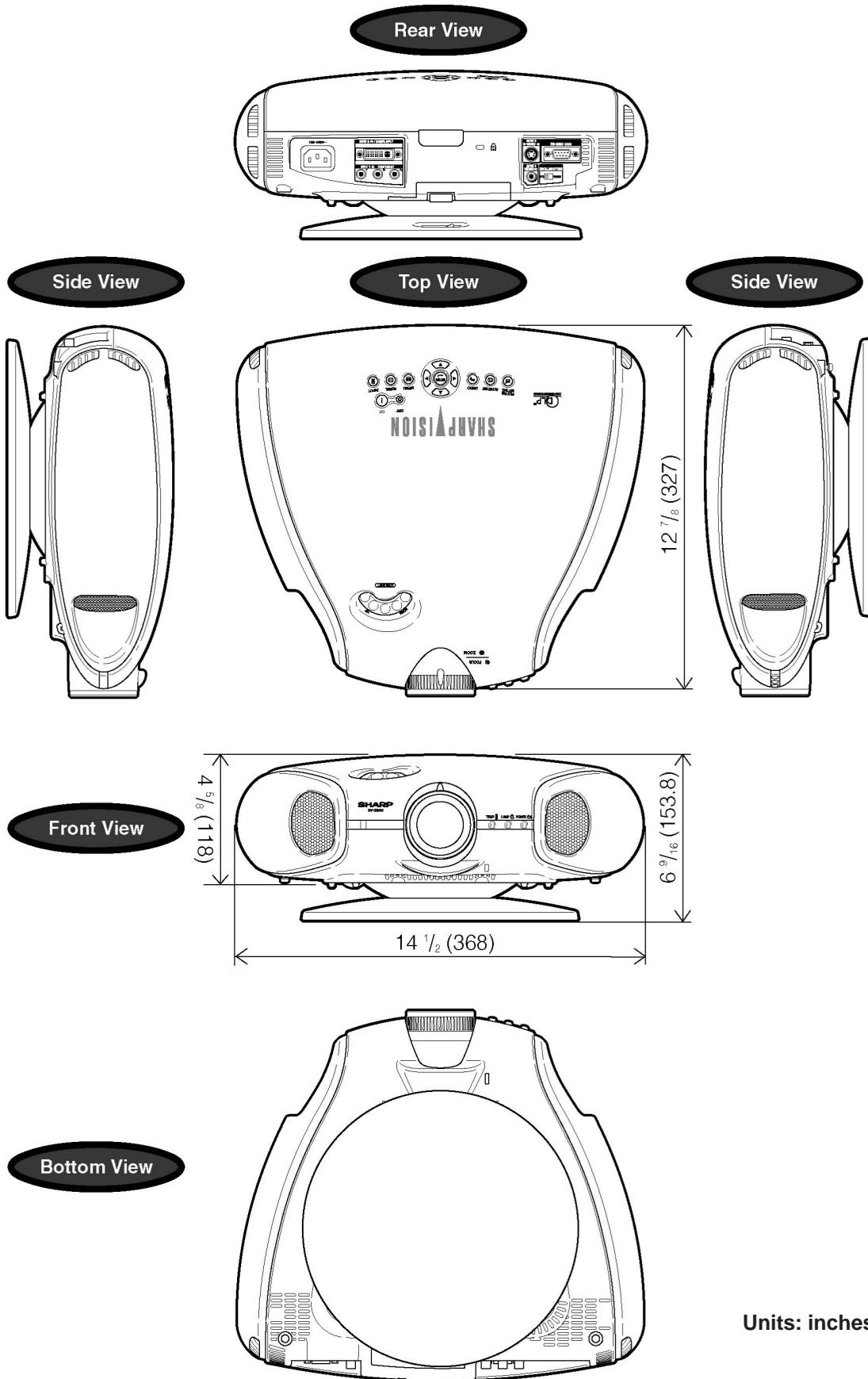
Pin No.	Signal	Pin No.	Signal
1	Not connected	16	Not connected
2	Not connected	17	Not connected
3	Not connected	18	Not connected
4	Not connected	19	Not connected
5	Not connected	20	Not connected
6	Not connected	21	Not connected
7	Not connected	22	Not connected
8	Not connected	23	Not connected
9	Not connected	24	Not connected
10	Not connected	C1	Analog input Pr/Cr
11	Not connected	C2	Analog input Y
12	Not connected	C3	Analog input Pb/Cb
13	Not connected	C4	Not connected
14	Not connected	C5	Ground
15	Ground		

RS-232C Port: 9-pin D-sub male connector of the DIN-D-sub RS-232C cable



Pin No.	Signal	Name	I/O	Reference
1				Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4		Reserved		Connected to internal circuit
5	SG	Signal Ground		Connected to internal circuit
6		Reserved		Connected to internal circuit
7		Reserved		Connected to internal circuit
8		Reserved		Connected to internal circuit
9				Not connected

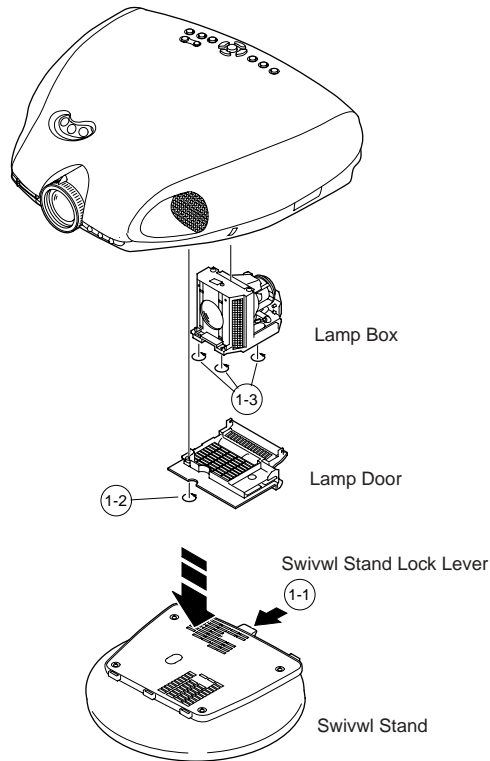
Dimensions



Units: inches (mm)

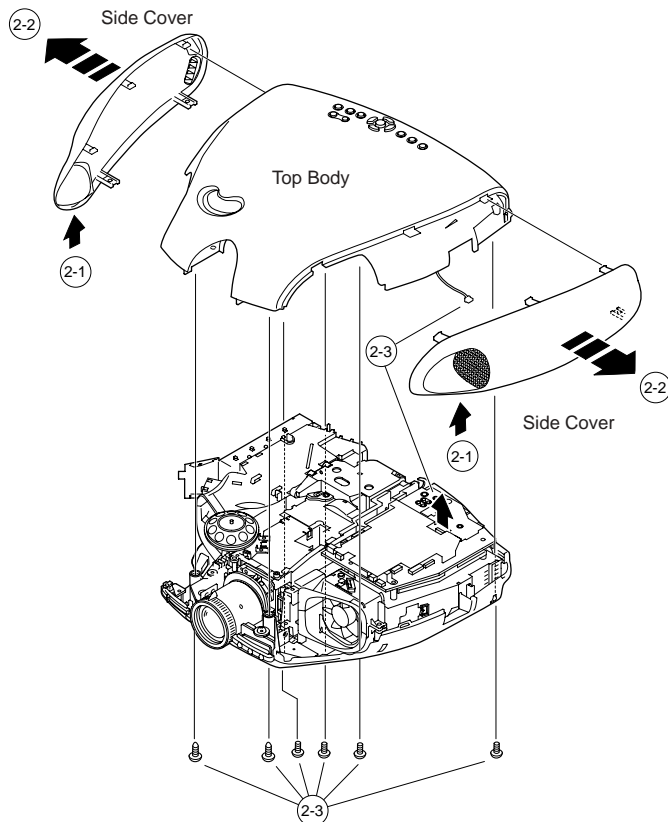
REMOVING OF MAJOR PARTS

1. Removing the swivel stand and the lamp box.



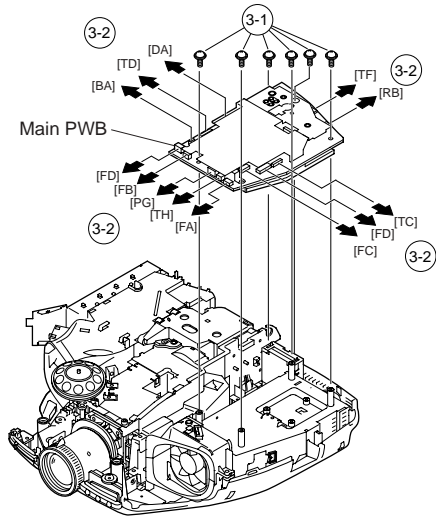
- 1-1. Remove lock lever, and remove the swivel stand.
- 1-2. Loosen 1 screw, and remove the lamp door .
- 1-3. Loosen 3 screws, and take out a lamp box.

2. Removing the side covers and the top body.



- 2-1. Push front end of the side cover from bottom, and remove a hook.
- 2-2. Pull the side cover in the direction of the arrow, and remove it.
- 2-3. Remove 6 screws and 1 connector, and remove a top body.

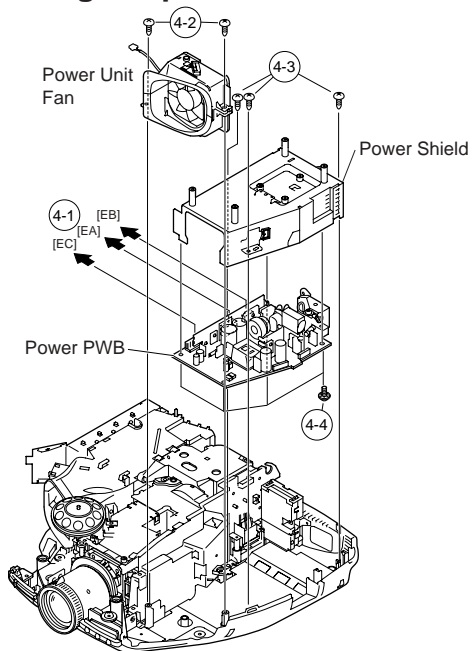
3. Removing the main PWB.



3-1. Remove 6 screws.

3-2. Remove each connector on the main PWB.

4. Removing the power unit.



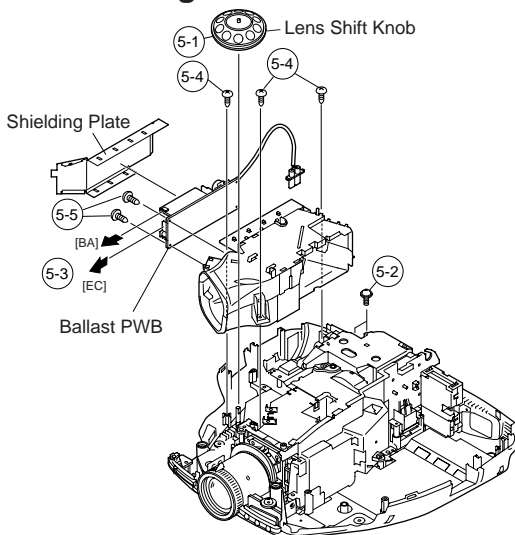
4-1. Remove each connector on the power PWB.

4-2. Remove 2 screws, and remove the power unit fan.

4-3. Remove 3 screws, and take out the power unit assembly.

4-4. Remove 4 screws, and remove power shield.

5. Removing the Ballast unit.



5-1. Remove lens shift knob.

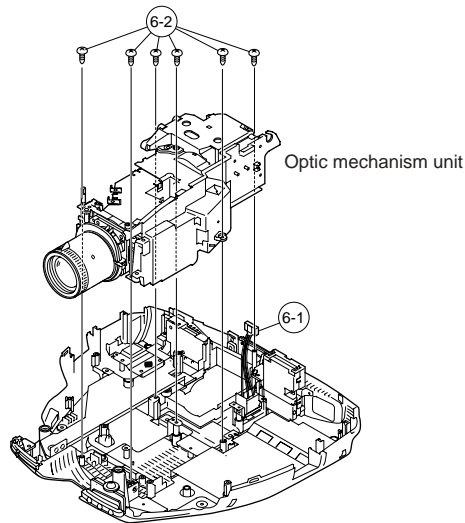
5-2. Remove 2 screws, and remove the ballast socket.

5-3. Remove 3 screws, and remove the ballast unit.

5-4. Remove shielding plate, and remove 2 connectors on the ballast PWB.

5-5. Remove 2 screws, and remove ballast PWB.

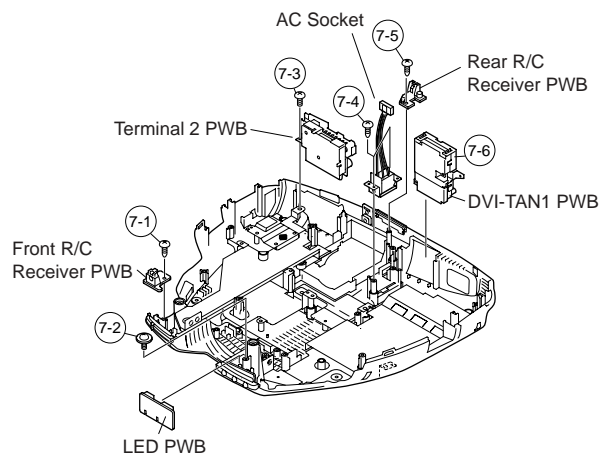
6. Removing the optic mechanism unit.



6-1. Remove a connector.

6-2. Remove 6 screws, and remove the optic mechanism unit.

7. Removing the each other PWBs.



7-1. Remove 1 screw, and remove front R/C receiver PWB unit .

7-2. Remove 1 screw, and remove LED PWB unit.

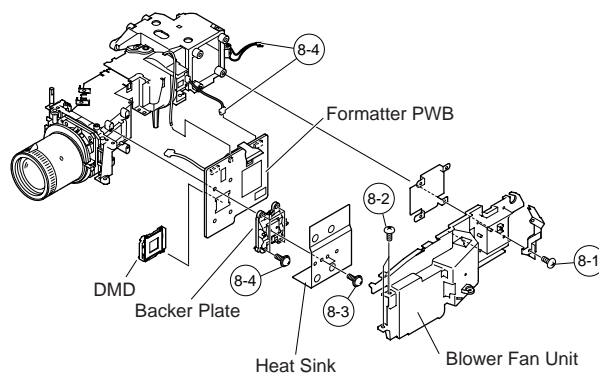
7-3. Remove 1 screw, and remove a terminal-2 PWB unit.

7-4. Remove 2 screws, and remove an AC socket.

7-5. Remove 1 screw, and remove rear R/C receiver PWB unit.

7-6. Remove 1 screw, and remove DVI-TAN1 PWB unit.

8. Removing the formatter PWB.



8-1. Remove 1 screws, and remove the angle.

8-2. Remove 2 screws, and remove the blower fan unit.

8-3. Remove 2 screws, and remove the heat sink.

8-4. Remove 4 screws and two connectors, and remove the formatter PWB.

Precautions in replacing the DMD chip

Note: Be careful not to allow dust and fingerprint on the cover glass of DMD chip and prism surface of optical engine.

1. When you fix 4 screws of backer plate assembly, press backer plate to formatter PWB and fix by cross multiply step by step.
2. If something shade appears on the projection screen like Fig1, release 2 screws on mirror adjusting plate and move that plate to adjust illumination area of DMD chip.

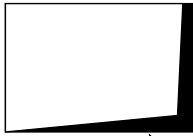
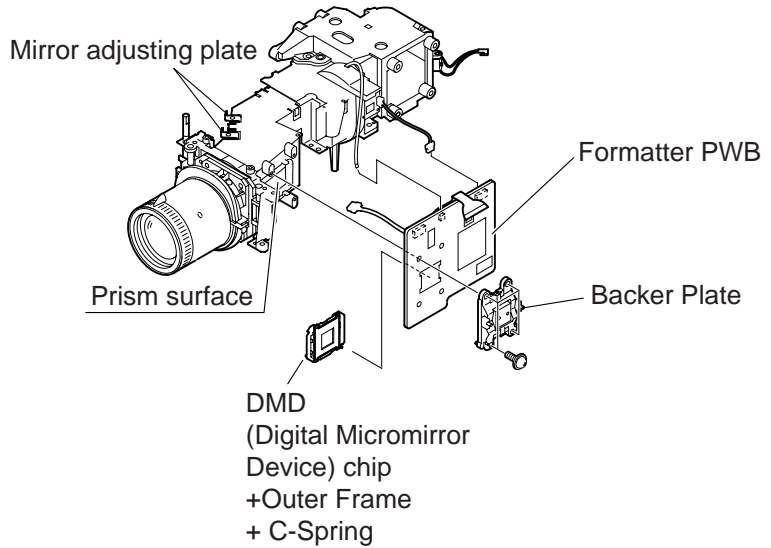
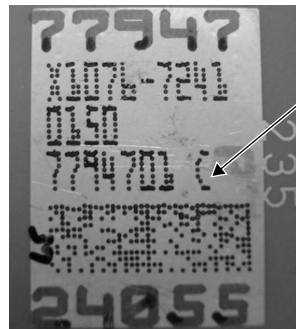


Fig.1 Shade

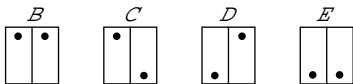
*** Precautions in setting up the DMD (Digital Micromirror Device) unit**

Before connecting the formatter PWB to the optical engine, take the following steps. Look at the voltage rank marking that is on the DMD itself. Referring to this marking, set the DIP switches on the formatter PWB. And connect this PWB to the optical engine. Wrong settings will adversely affect the system performance.



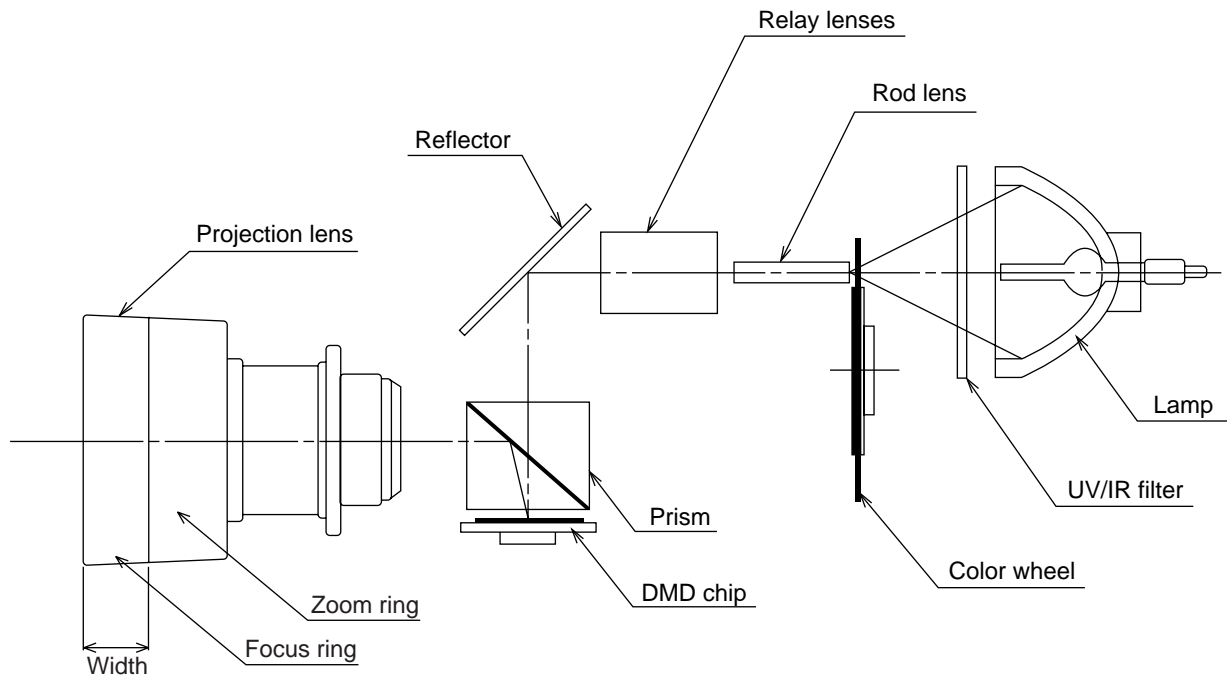
Voltage rank marking
This sample is "C".

Voltage ranking system with the switch switches on formatter PWB



Outline of the optical unit

<Layout>



Item	Function
Lamp	Light source. DC-driven high-pressure mercury vapor lamp.
UV/IR filter	Used to absorb ultraviolet and infrared rays.
Color wheel	Used to let the source light through the color filter and to separate it into R, G and B colors.
Rod lens	Used to make for uniform light beams.
Relay lenses	Used to collect the light from the rod lens into the DMD chip.
Reflector	Used to reflect the light from the relay lenses against the DMD chip.
Prism	Used to introduce the light from the reflector over the effective surface of the DMD chip. When the micromirror gets tilted (ON) as specified, the reflected light is guided to the projection lens.
DMD chip	Used to turn on and off the micromirror in response to the ratio of color components at each dot and thus to reflect the incoming light accordingly.
Projection lens	Used to enlarge the light from the DMD chip and to get the light projected on the screen.

Distinction between long and short focal length lens

- Long focal length lens: focus ring width: about 18 mm ▶ XV-Z90U
- Short focal length lens: focus ring width: about 27 mm ▶ DT-200

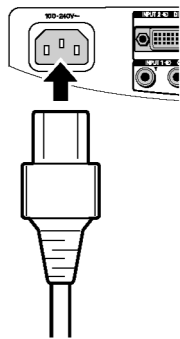
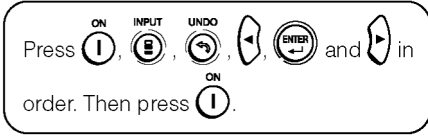
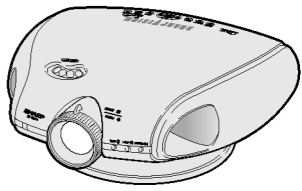
Caution when repairing without top cabinet

To repair this set without top cabinet, attach the left side body beforehand. (Since the exhaust heat gets in around the set and the temperature sensor detects it giving the TEMP error and the lamp goes off.)

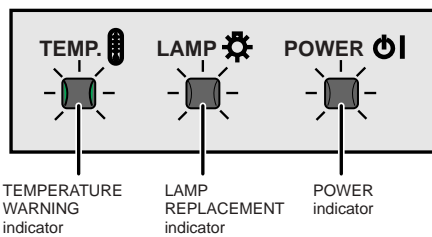
RESETTING THE TOTAL LAMP TIMER

You need to reset the lamp timer every time you replace the lamp and confirm it is reset on the “Lamp Timer” menu.

How to reset the total lamp timer.

<p>1. Plug the power cord</p>	<p>2. Press POWER ON on the projector to reset the lamp timer.</p>
	  <p>“LAMP 0000H” is displayed on the screen.</p>

Maintenance Indicators



- The warning lights on the projector indicate problems inside the projector.
- There are two types of warning lights: a TEMPERATURE WARNING indicator that warns you when the projector is too hot, and a LAMP REPLACEMENT indicator that warns you when to change the lamp.
- If a problem occurs, either the TEMPERATURE WARNING indicator or the LAMP REPLACEMENT indicator will illuminate in red. After turning off the power, follow the procedures given below.

Maintenance Indicator	Condition	Problem	Possible Solution
TEMPERATURE WARNING indicator	The internal temperature is abnormally high.	• Blocked air intake.	• Relocate the projector to an area with proper ventilation.
		• Clogged ventilative hole.	• Clean the ventilative holes.
		• Cooling fan breakdown. • Internal circuit failure.	• Take the projector to your nearest Authorized SharpVision Service Center or Dealer for repair.
LAMP REPLACEMENT indicator	The lamp does not light up.	• Burnt-out lamp. • Lamp circuit failure.	• Carefully replace the lamp. • Take the projector to your nearest Authorized SharpVision Service Center or Dealer for repair.
	The lamp requires replacement.	• Lamp has been used for over 2,400 hours.	

NOTE

- If the TEMPERATURE WARNING indicator lights up, follow the above possible solutions and then wait until the projector has cooled down completely before turning the power back on. (At least 5 minutes.)
- If the power is turned off and then turned on again, for example during a brief rest, the may be triggered, preventing the power from going on. Should this occur, unplug the power cord from the wall outlet and plug it back in again.

ELECTRICAL ADJUSTMENT

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
1	Initialization of EEPROM	1. Turn on the power (the lamp lights up) and warm up the system for 15 minutes.	1. Carry out the following setting. Press SW2002 to enter the process mode, and execute SS2 on SS menu.
2	Adjustment of CW index	1. Input the gradation pattern of RGB. 2. Select the following group and subject. Group: DLP Subject: Select CW-INDEX.	1. Select subject and make adjustment so that the lamp gradation patterns of R, G and B should be smooth without noise. <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;"> <p style="margin: 0;">R <input style="width: 150px;" type="text"/></p> <p style="margin: 0;">G <input style="width: 150px;" type="text"/></p> <p style="margin: 0;">B <input style="width: 150px;" type="text"/></p> </div>
3-1	Adjustment of R brightness/contrast	1. Select the following group and subject. Group: AD Subject: R-Bright R-Contrast 2. Feed the window patten having 100% R signal and 0%. (Process gamma interlock)	1. On the bit-less screen, adjust in the order of black side R-bright and white side R-contrast.
3-2	Adjustment of G brightness/contrast	1. Select the following group and subject. Group: AD Subject: G-Bright G-Contrast 2. Feed the window patten having 100% G signal and 0%. (Process gamma interlock)	1. On the bit-less screen, adjust in the order of black side G-bright and white side G-contrast.
3-3	Adjustment of B brightness/contrast	1. Select the following group and subject. Group: AD Subject: B-Bright B-Contrast 2. Feed the window patten having 100% B signal and 0%. (Process gamma interlock)	1. On the bit-less screen, adjust in the order of black side B-bright and white side B-contrast.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
4	Adjustment of RGB white balance	<ol style="list-style-type: none"> 1. Feed 75% gray signal (SVGA,60 Hz). 2. Select the following group and subject. Group: DLP Subject: R-Contrast (R) B-Contrast (B) (8,500°K Standard) 	<ol style="list-style-type: none"> 1. Adjust the white balance using R-contrast and B-contrast. (Set it to X=284 and y=318.)
5	Adjustment of Video brightness/contrast	<ol style="list-style-type: none"> 1. Feed NTSC 100% Black/White window pattern signal. 2. Select the following group and subject. Group: VIDEO Subject: Bright Contrast (Process gamma interlock) 	<ol style="list-style-type: none"> 1. On the bit-less screen, adjust in the order of black side Bbright and white side Contrast.
6	Adjustment of Video tint	<ol style="list-style-type: none"> 1. Select the following group and subject. Group: VIDEO Subject: N-Tint P-Tint S-Tint 	<ol style="list-style-type: none"> 1. Confirm the fixed value. N-Tint: 8 P-Tint: 8 S-Tint: 8
7	Adjustment of Video color saturation	<ol style="list-style-type: none"> 1. Select the following group and subject. Group: VIDEO Subject: N-Color P-Color S-Color 	<ol style="list-style-type: none"> 1. Confirm the fixed value. N-Color: 7 P-Color: 7 S-Color: 7
8	Adjustment of Video white balance	<ol style="list-style-type: none"> 1. Feed NTSC 75% gray signal. 2. Select the following group and subject. Group: VIDEO Subject: R-DRIVE (R) B-DRIVE (B) 	<ol style="list-style-type: none"> 1. Confirm the fixed value. R-DRIVE: 41 B-DRIVE: 41
9	Adjustment of DTV brightness/contrast	<ol style="list-style-type: none"> 1. Feed 480P 100% Black/White window pattern signal. 2. Select the following group and subject. Group: DTV Subject: Bright Contrast (Process gamma interlock) 	<ol style="list-style-type: none"> 1. On the bit-less screen, adjust in the order of black side Bbright and white side Contrast.
10	Adjustment of DTV tint	<ol style="list-style-type: none"> 1. Select the following group and subject. Group: DTV Subject: Tint 	<ol style="list-style-type: none"> 1. Confirm the fixed value. Tint: 8
11	Adjustment of DTV color saturation	<ol style="list-style-type: none"> 1. Select the following group and subject. Group: DTV Subject: Color 	<ol style="list-style-type: none"> 1. Confirm the fixed value. Color: 7

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
12	Adjustment of DTV white balance	1. Feed 480P75% gray signal. 2. Select the following group and subject. Group: DTV Subjects: R-DRIVE(R) B-DRIVE(B)	1. Confirm the fixed value. R-DRIVE: 41 B-DRIVE: 41
13	Adjustment of DVD brightness/contrast	1. Feed 480I 100% Black/White window pattern signal. 2. Select the following group and subject. Group: DVD Subject: Bright Contrast (Process gamma interlock)	1. On the bit-less screen, adjust in the order of black side Bbright and white side Contrast.
14	Adjustment of DVD tint	1. Select the following group and subject. Group: DVD Subject: Tint	1. Confirm the fixed value. Tint: 8
15	Adjustment of DVD color saturation	1. Select the following group and subject. Group: DVD Subject: Color	1. Confirm the fixed value. Color: 7
16	Adjustment of DVD white balance	1. Feed 480I 75% gray signal. 2. Select the following group and subject. Group: DVD Subjects: R-DRIVE(R) B-DRIVE(B)	1. Confirm the fixed value. R-DRIVE: 41 B-DRIVE: 41

Adjustment when assembling

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
17	Adjustment of DLP voltage	1. Read voltage rank of DLP description. 2. Set the switch corresponding to the rank which has been read. (on the formatter PWB)	1. Carry out adjustment when DLP chip has been replaced or combination of chip and formatter has been changed. 2. Rank: B C D E Setting value: 1 2 3 4
18	Check and re-adjustment of the white balance	The adjustment conditions of the item 4 for RGB input, the item 8 for the video input, the item 12 for the DTV input, and the item 16 for the DVD input	Check that the white balance is in the best condition. In case to re-adjust, carry out in the order of RGB input, video input, DTV input and DVD input.
19	Confirmation of color-related operation	1. Receive the color bar signal.	1. Select L1 in the process mode. Check the performance of color and tint.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures									
20	Confirmation of picture-related operation	1. Receive monoscope pattern signal.	1. Select L2 in the process mode. Check Picture, Brightness and Sharpness.									
21	Confirmation of RGB	1. Receive the RGB signal.	1. Select L4 on the process mode. Check Picture, Brightness, Red, Blue, Clock, Phase, H-POS and V-POS.									
22	Confirmation of DVI digital	1. Receive the digital signal.	1. Confirm that the picture is outputted.									
23	Confirmation of off-timer operation		1. Select OFF in the process mode. Confirm that the off-timer starts with 5-minute display, counts 1 minute for 1 second, and turns off when 0 minute is displayed.									
24	Confirmation of thermistor operation	1. Heat the thermistor by dryer.	1. Confirm that the temperature is displayed.									
25	Automatic sync operation	1. Receive the phase checking pattern signal.	1. Confirm that Clock, Phase, H-POS and V-POS can be automatically adjusted in the VGA/S-VGA/XGA mode.									
26	Factory settings		1. Make the following settings. <table border="1" data-bbox="906 1087 1398 1230"> <thead> <tr> <th>Model</th> <th>Process adjustment</th> <th>Remote controller settings</th> </tr> </thead> <tbody> <tr> <td>XV-Z90U</td> <td>SS4</td> <td>"Factory Setting 4"</td> </tr> <tr> <td>DT-200</td> <td>SS5</td> <td>"Factory Setting 5"</td> </tr> </tbody> </table>	Model	Process adjustment	Remote controller settings	XV-Z90U	SS4	"Factory Setting 4"	DT-200	SS5	"Factory Setting 5"
Model	Process adjustment	Remote controller settings										
XV-Z90U	SS4	"Factory Setting 4"										
DT-200	SS5	"Factory Setting 5"										

● **Entering the adjustment process mode**

There are following two methods.

- Press the SW2002 on the MAIN PWB.
- Press the following keys in this order.

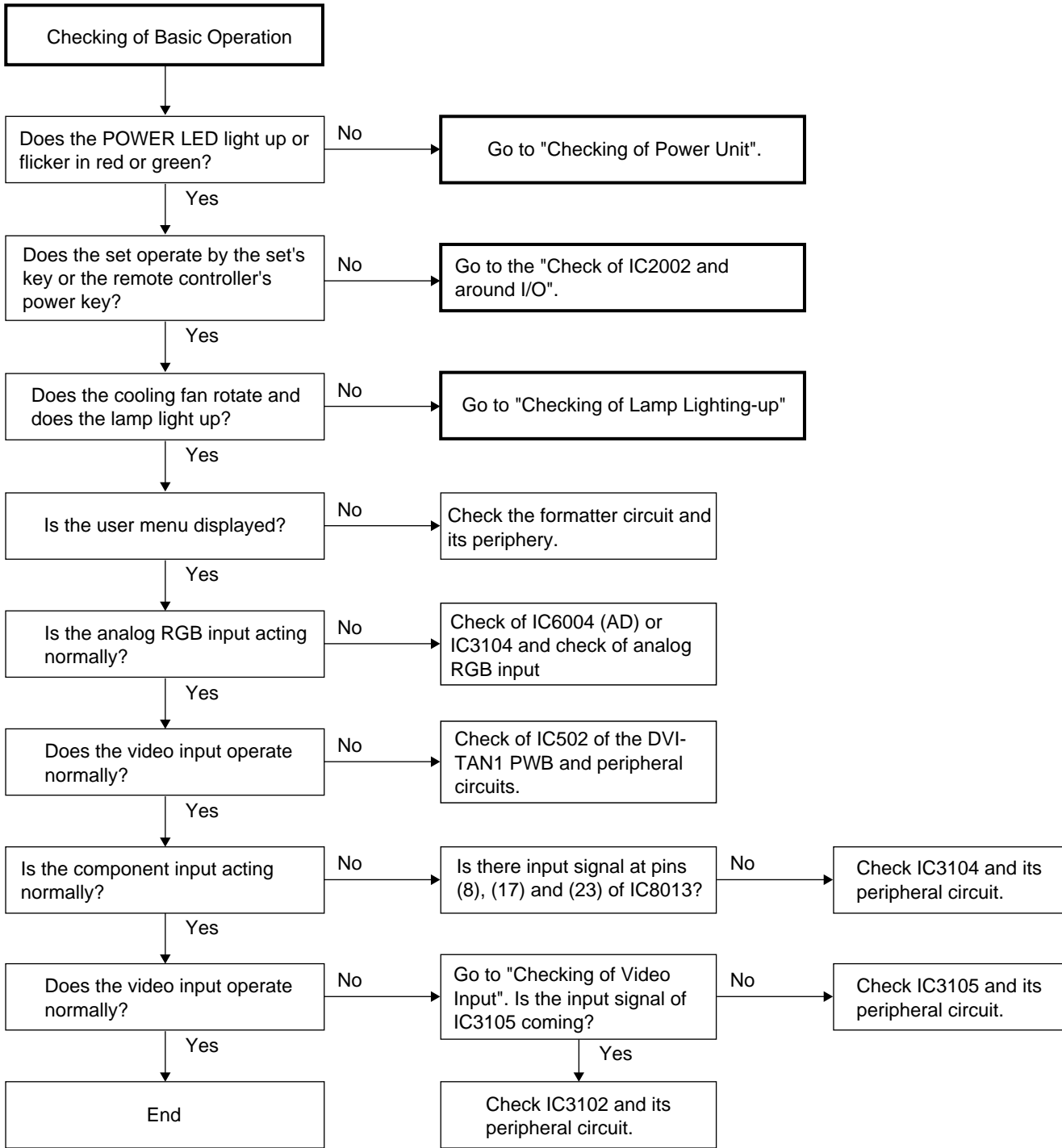
Adj up→Adj up→Adj down→Adj down→Adj right→Adj left→Enter

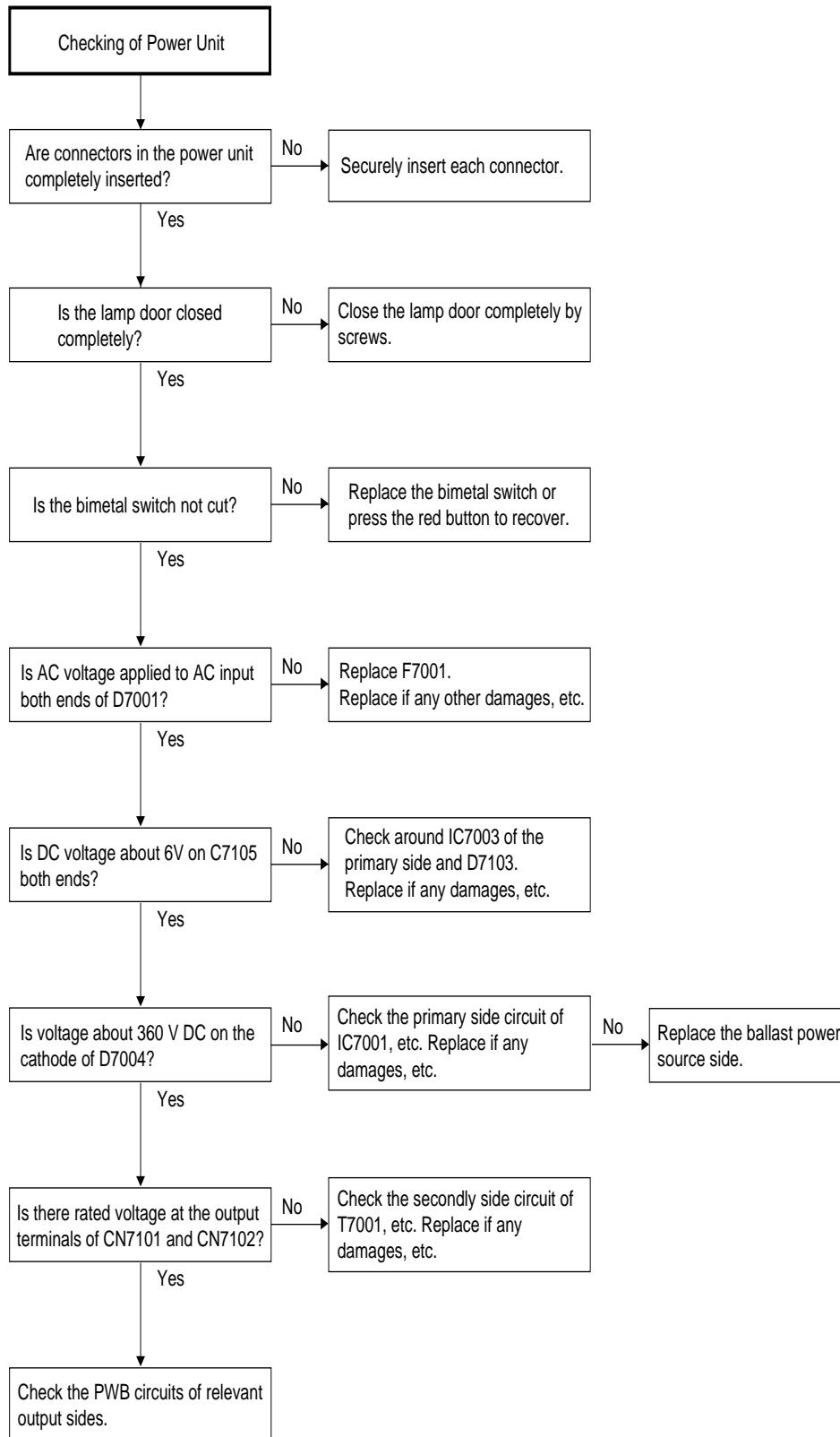


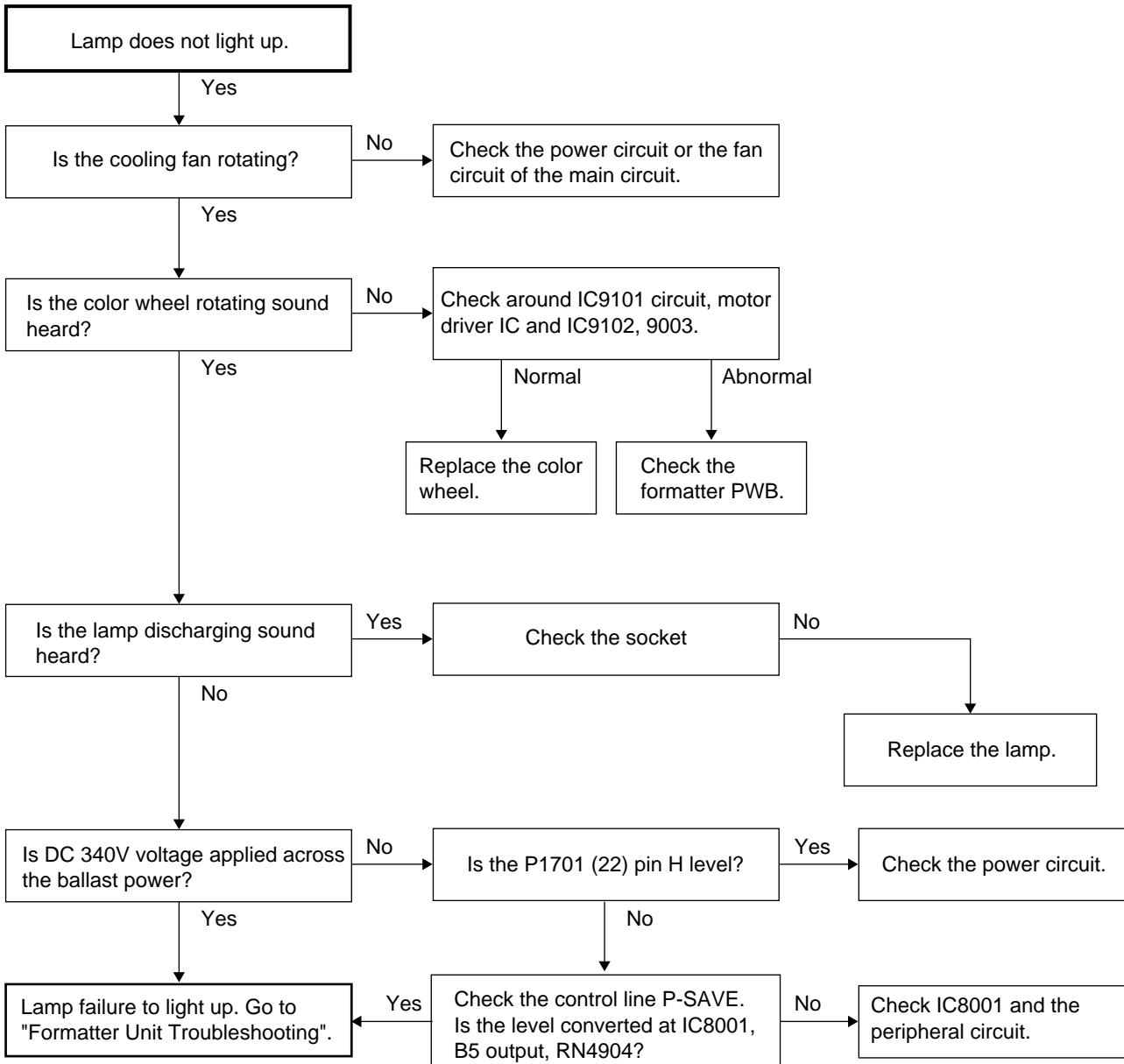
● **Adjustment mode process menu**

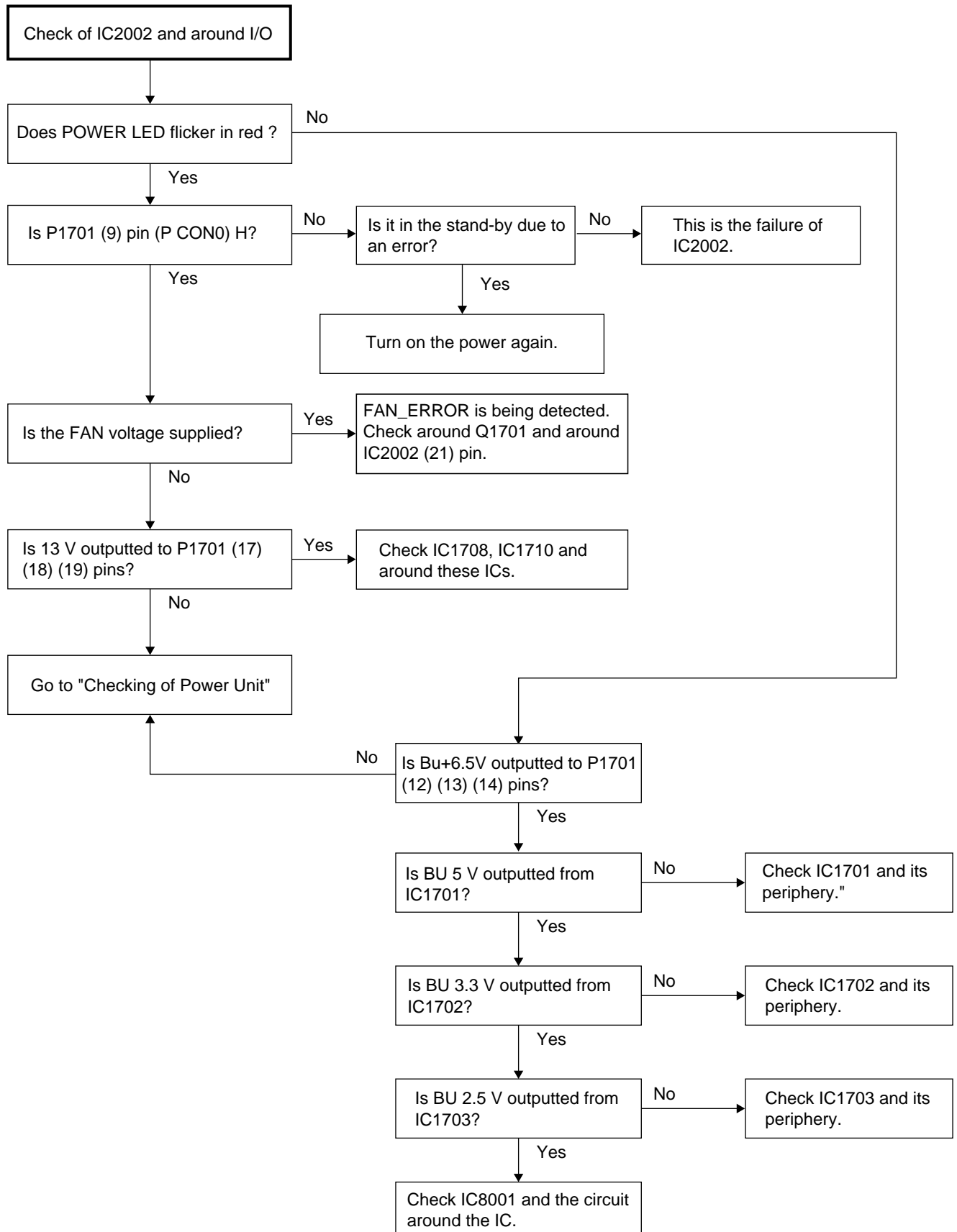
Group	Subject	Group	Subject
DTV	Contrast Tint Color Sharpness CTI-Level LTI-Level CB-Offset CR-Offset Bright B-DRIVE R-DRIVE	AD	R-Bright R-Contrast G-Bright G-Contrast B-Bright B-Contrast
		DLP	Index Delay R-Bright R-Contrast G-Bright G-Contrast B-Bright B-Contrast
DVD	Contrast Tint Color Sharpness CTI-Level LTI-Level CB-Offset CR-Offset Bright B-DRIVE R-DRIVE	VIDEO1	N-Contrast P-Contrast S-Contrast Color NT3.58 Delay NT4.43 Delay PAL Delay SECAM Delay
		VIDEO2	SS-Cont1 SS-C0nt2 Color SS1 Delay SS2 Delay
VIDEO	Contrast N-Tint P-Tint S-Tint N-Color P-Color S-Color Sharpness CTI-Level LTI-Level CB-Offset CR-Offset Bright B-DRIVE R-DRIVE	Pedestal	R-Bright R-Contrast G-Bright G-Contrast B-Bright B-Contrast

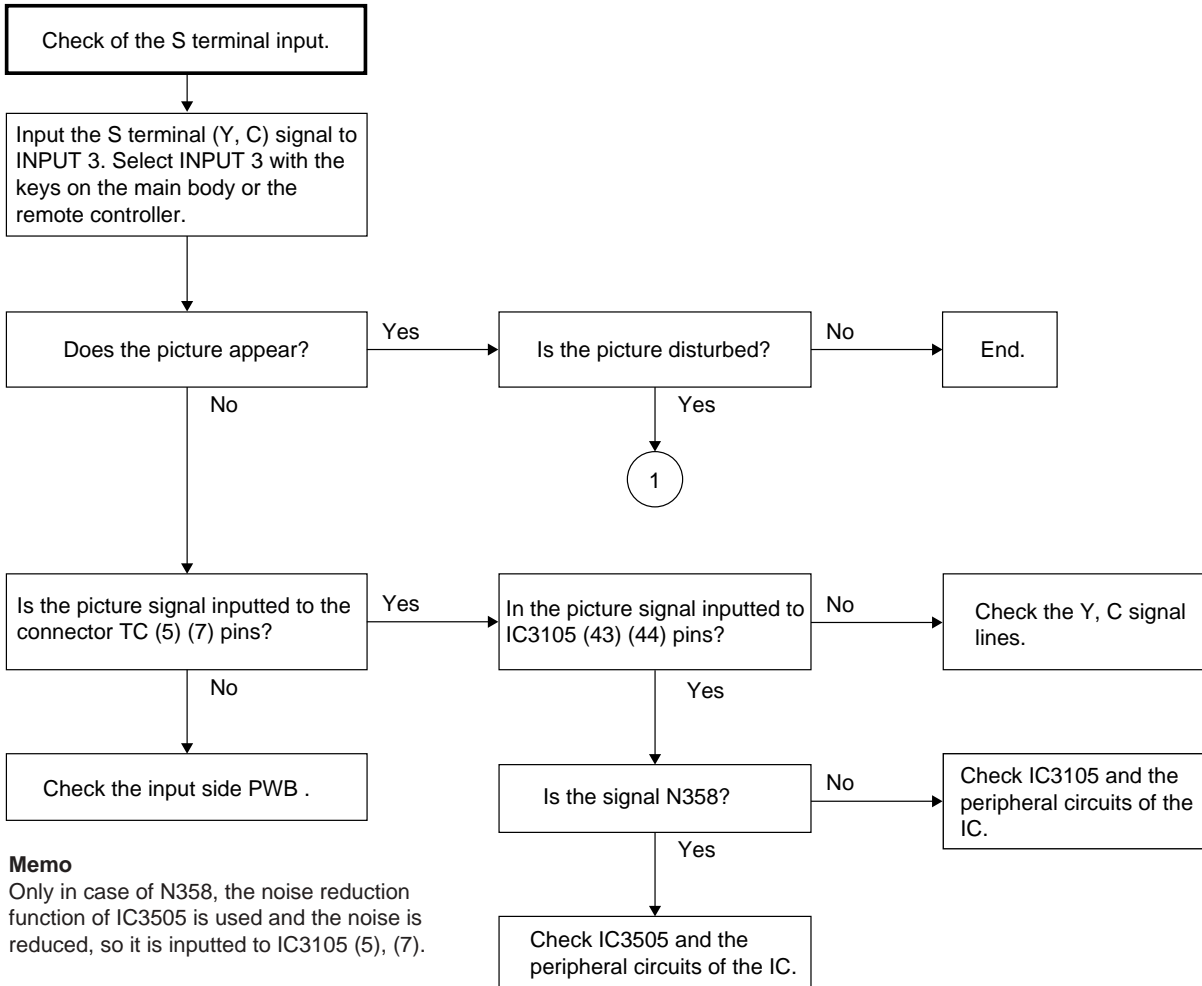
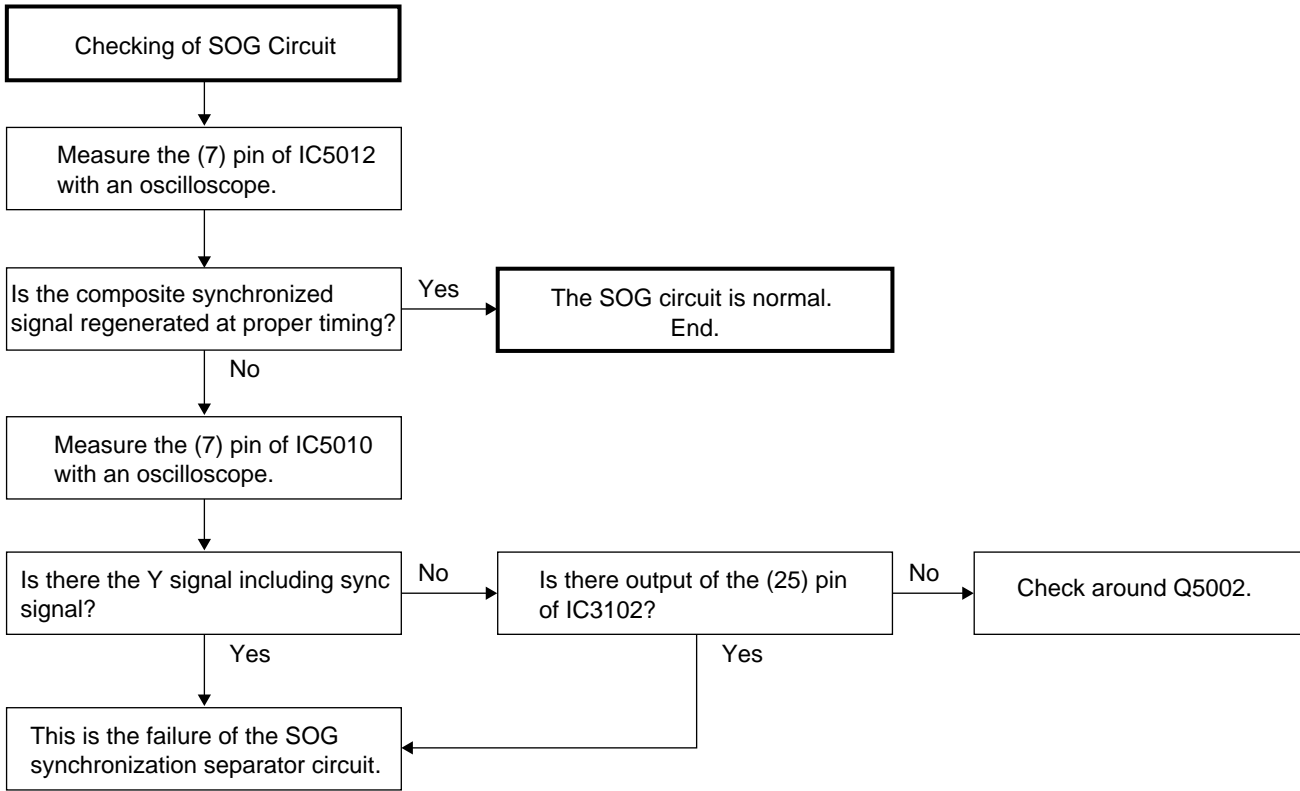
TROUBLE SHOOTING TABLE





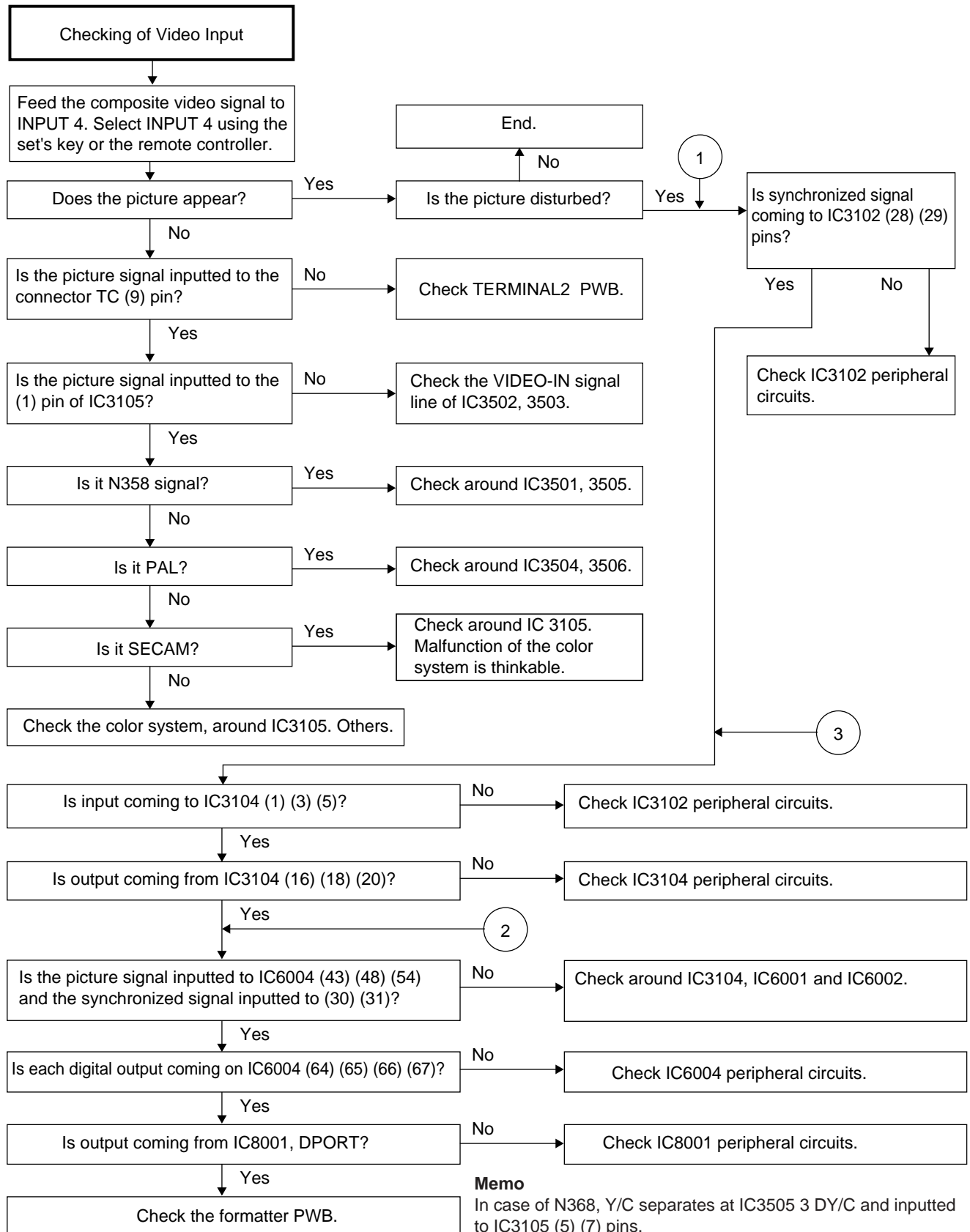




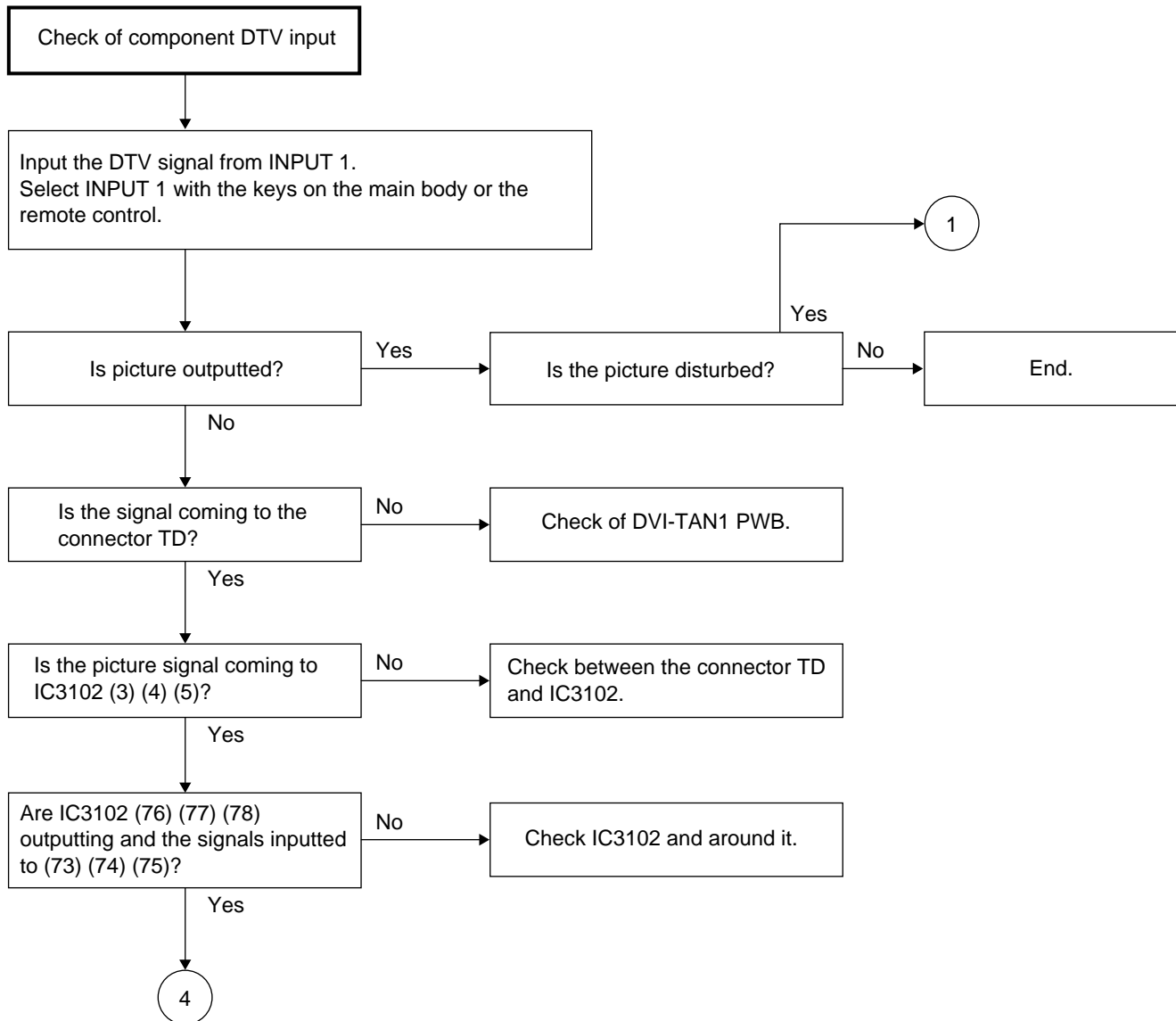


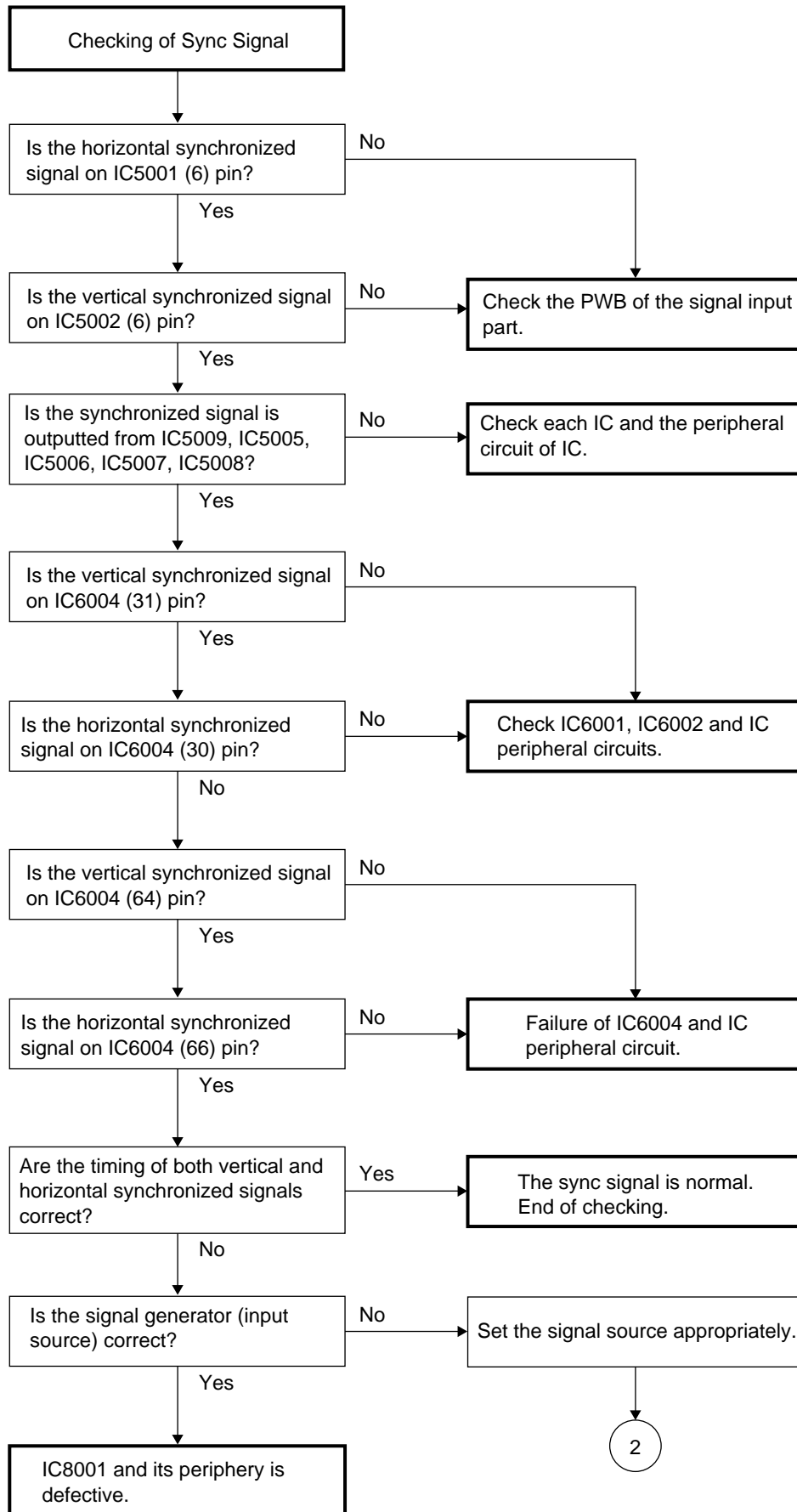
Memo

Only in case of N358, the noise reduction function of IC3505 is used and the noise is reduced, so it is inputted to IC3105 (5), (7).

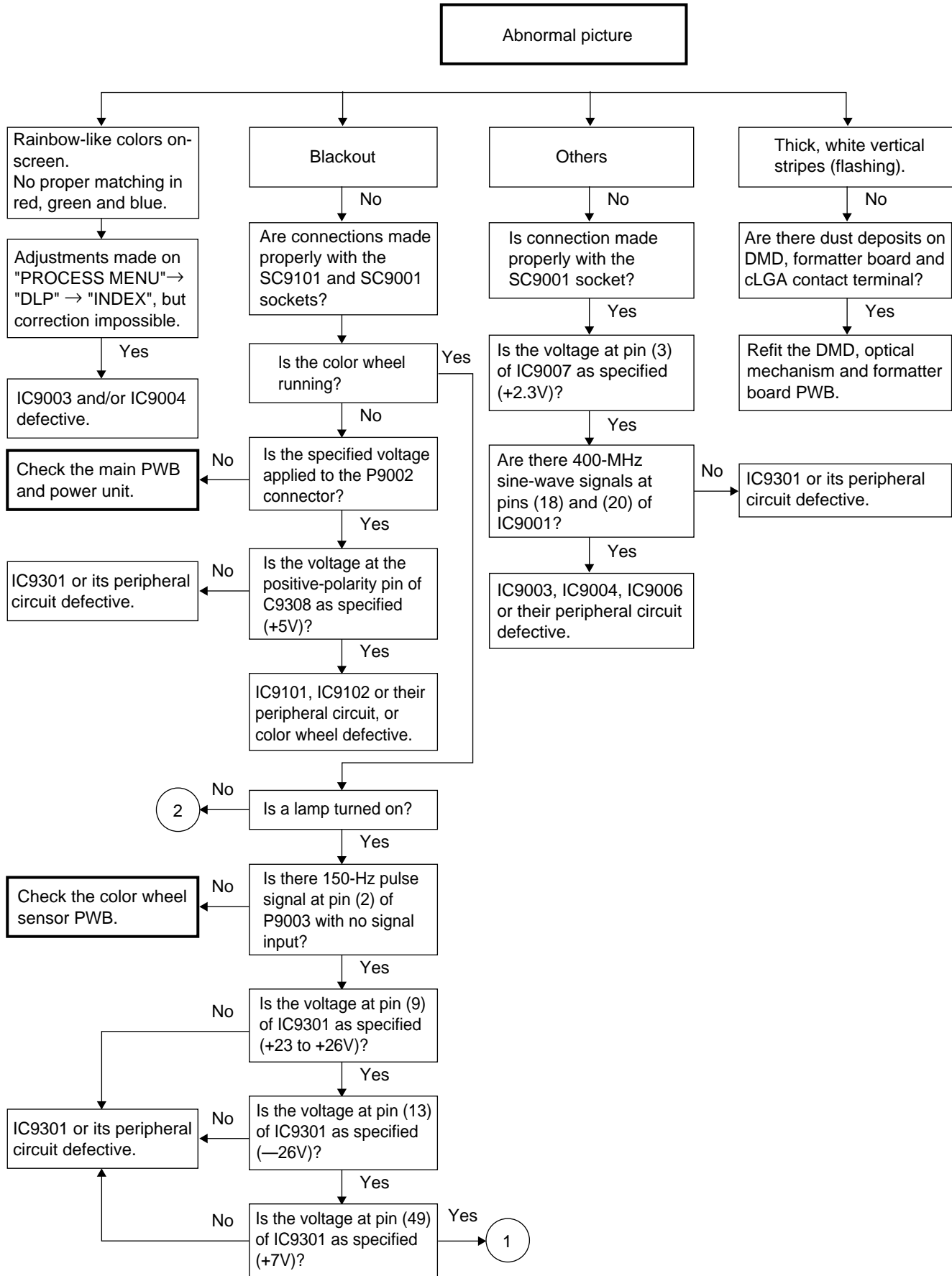


Memo
 In case of N368, Y/C separates at IC3505 3 DY/C and inputted to IC3105 (5) (7) pins.
 In case of PAL system, Y/C separates at IC3506 3 Line COM and inputted to (39) (41) of IC3105.
 The video is outputted from (21) (22) (23) at color difference from IC3105.

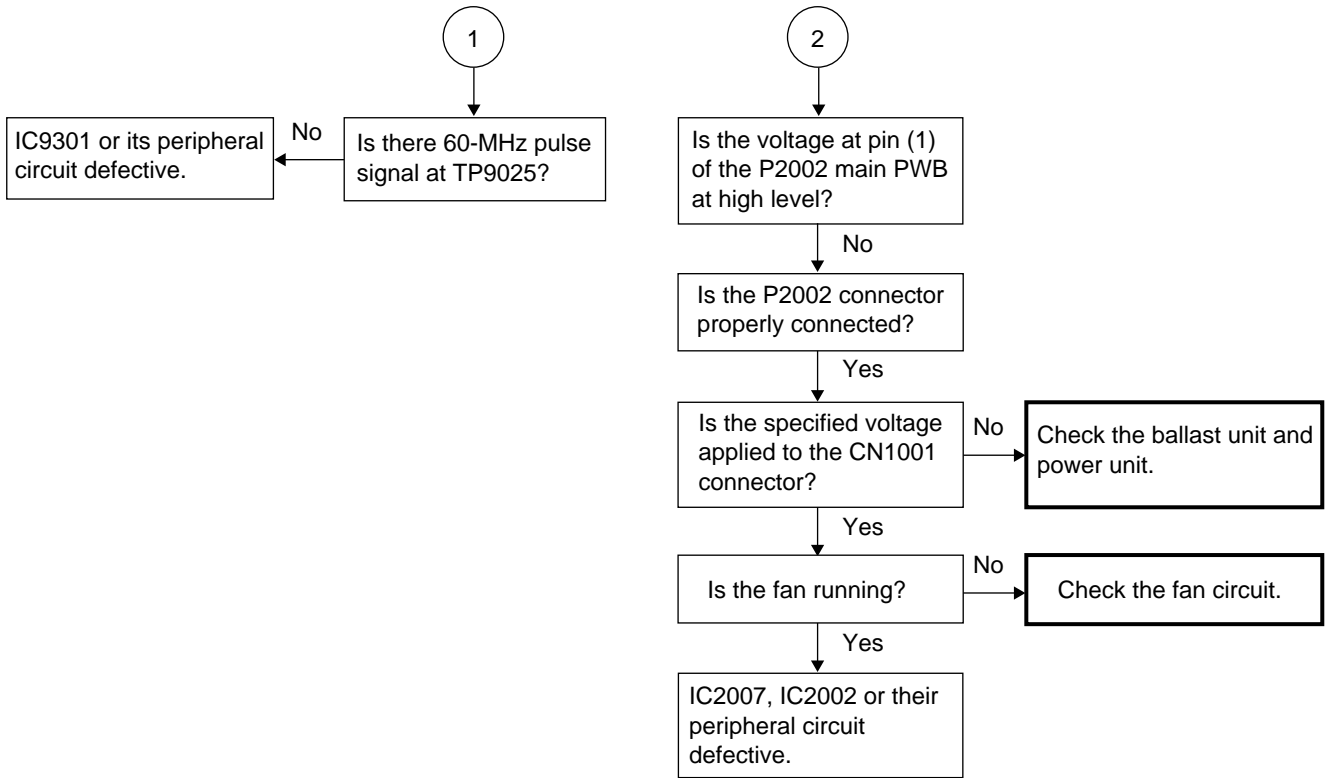




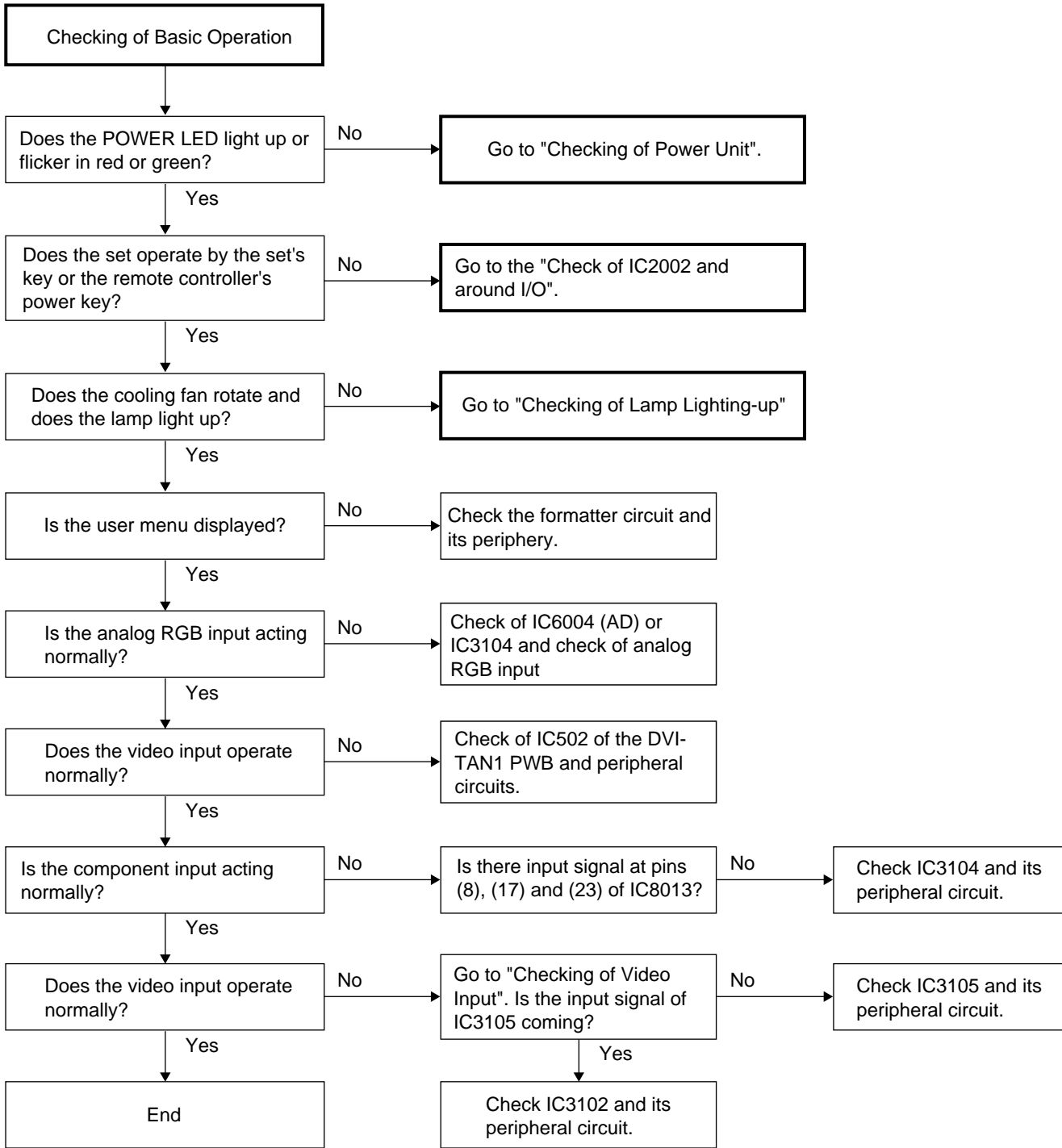
• Formatter Unit Troubleshooting -1/2

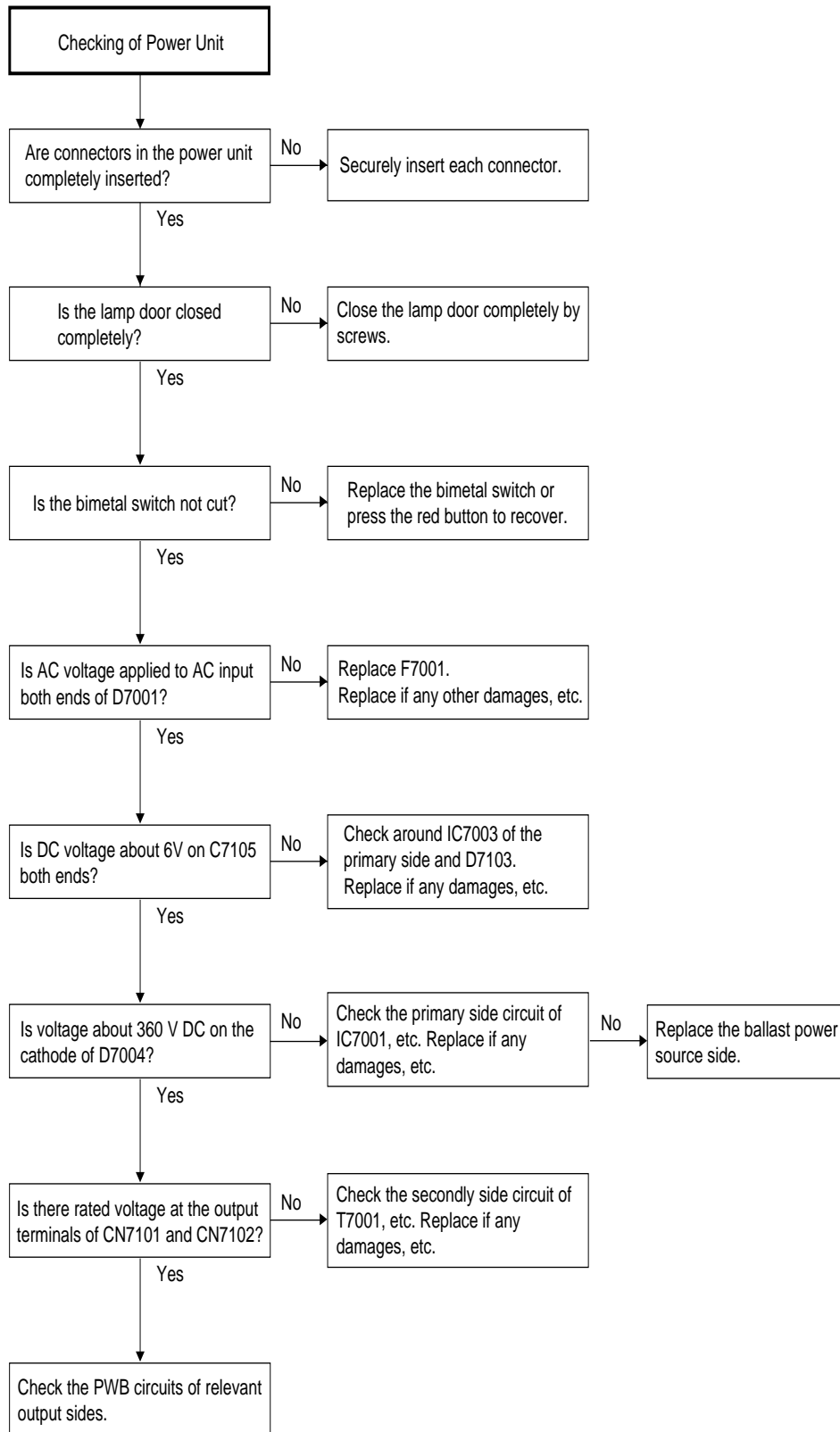


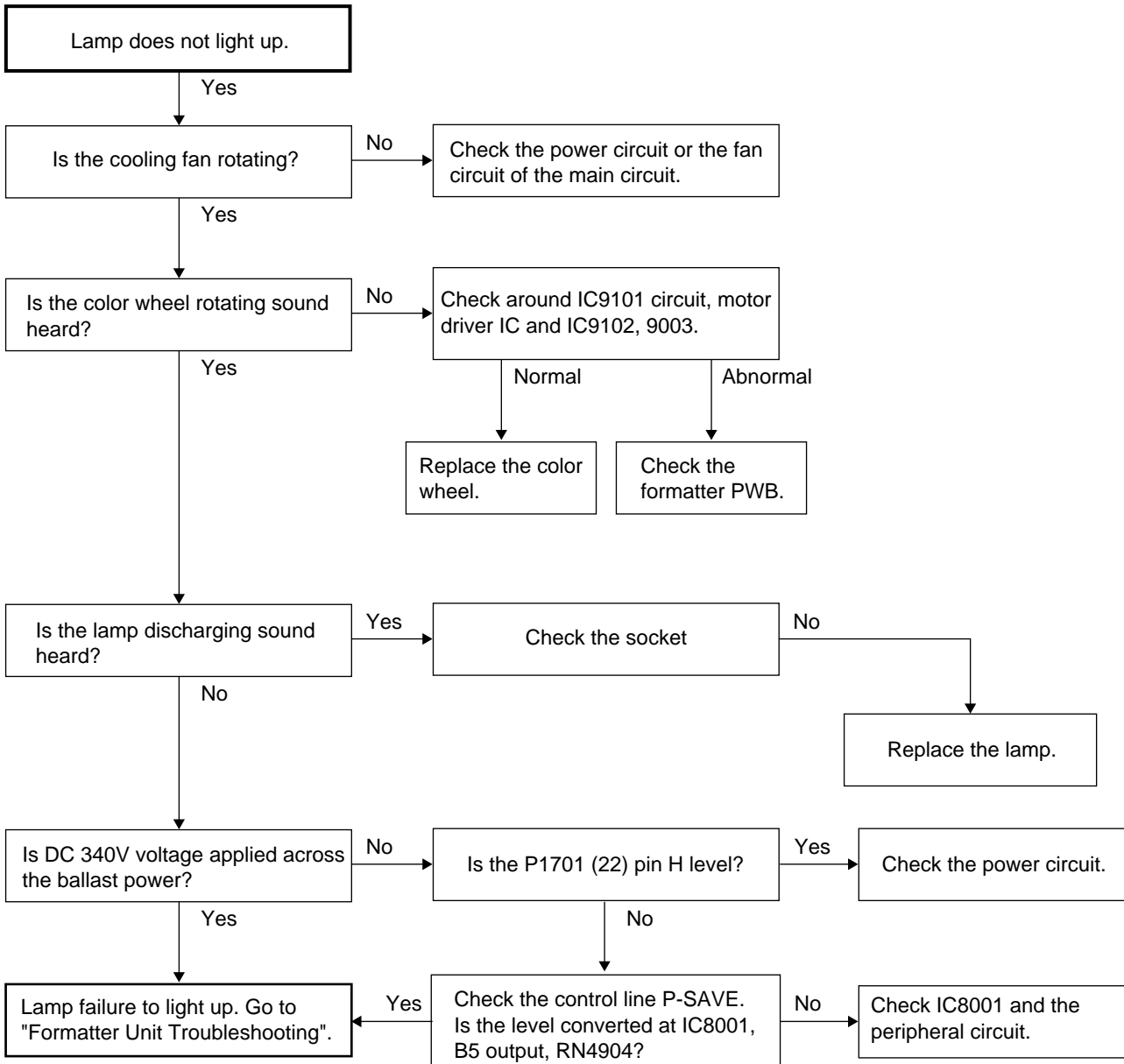
• Formatter Unit Troubleshooting-2/2

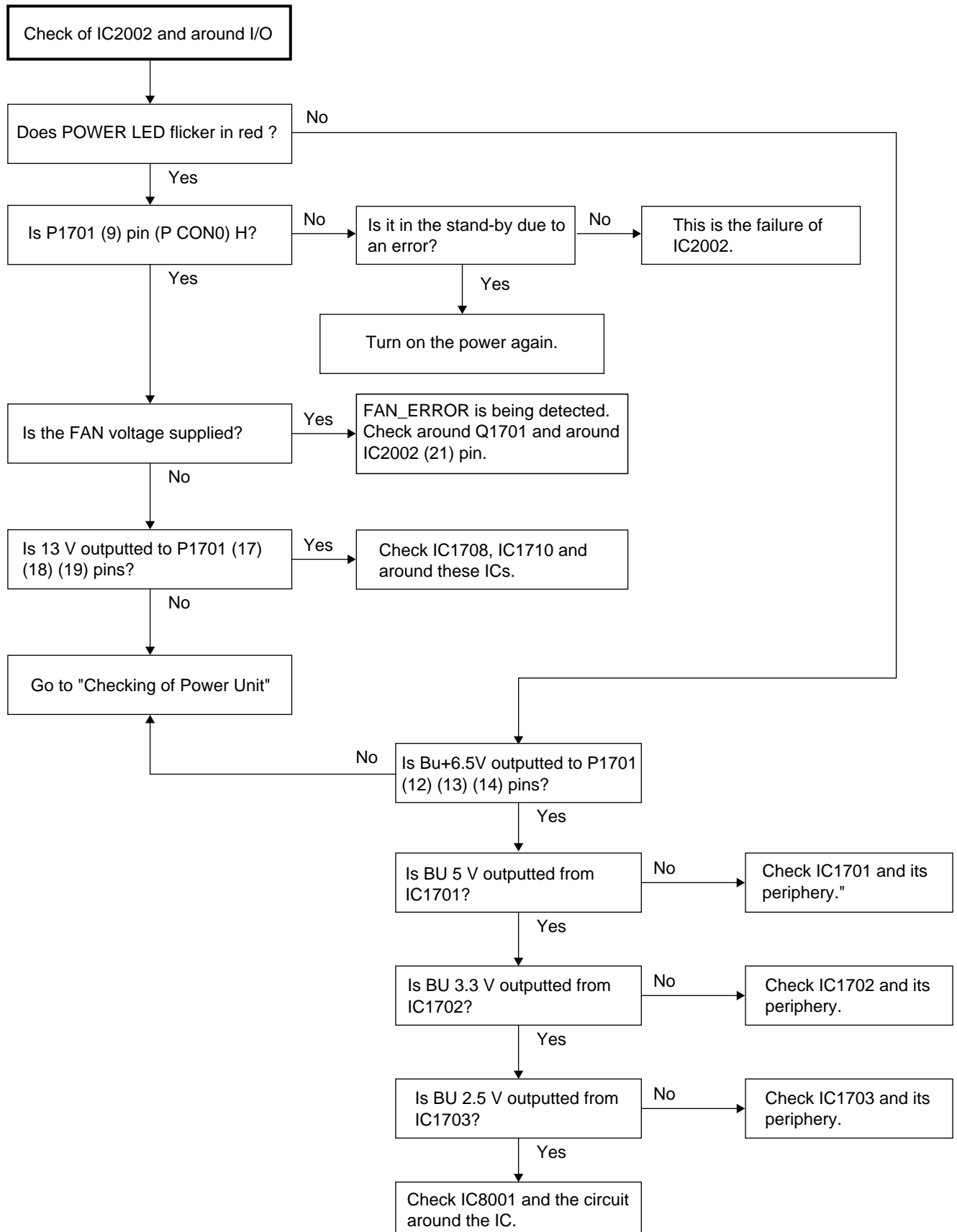


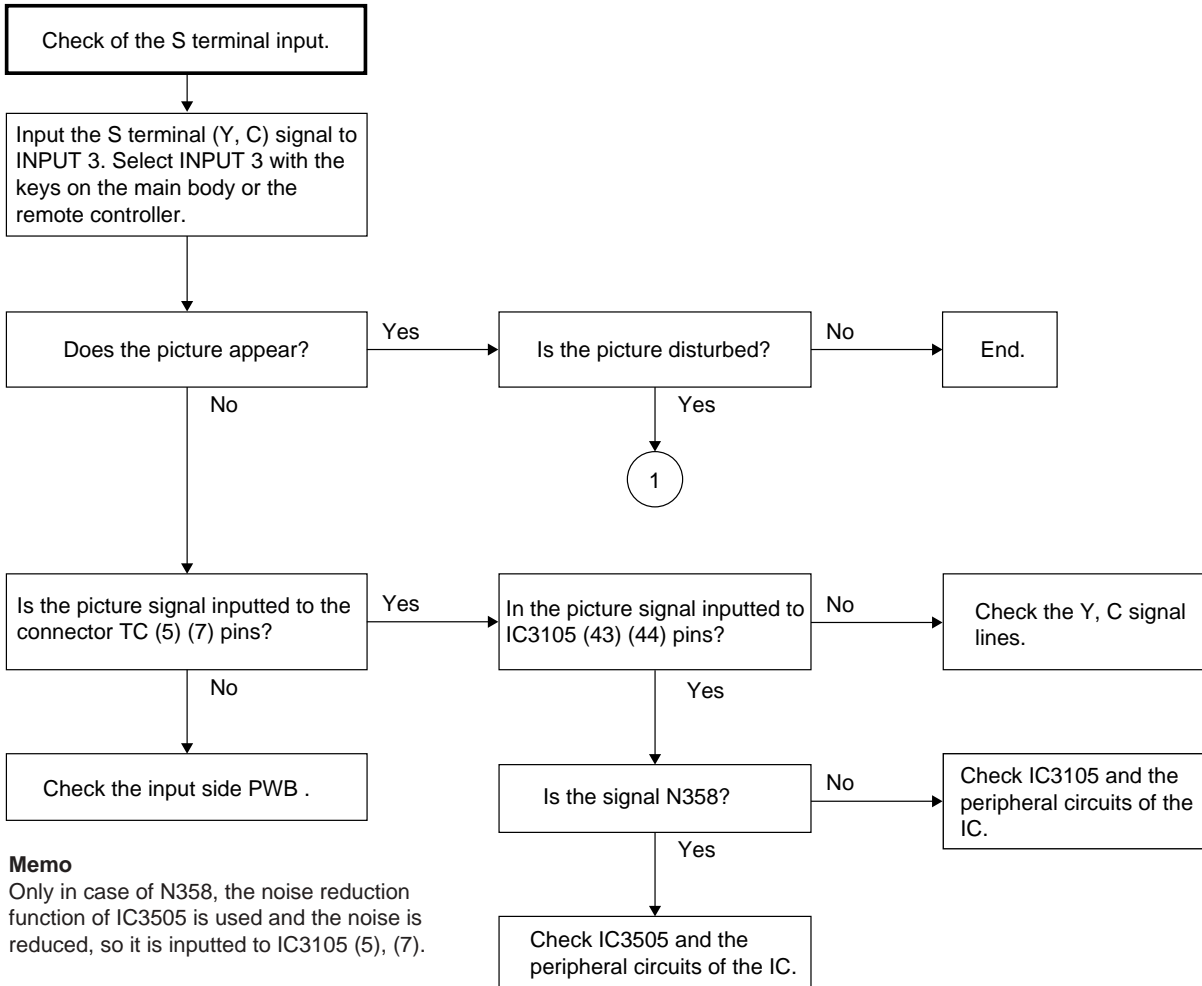
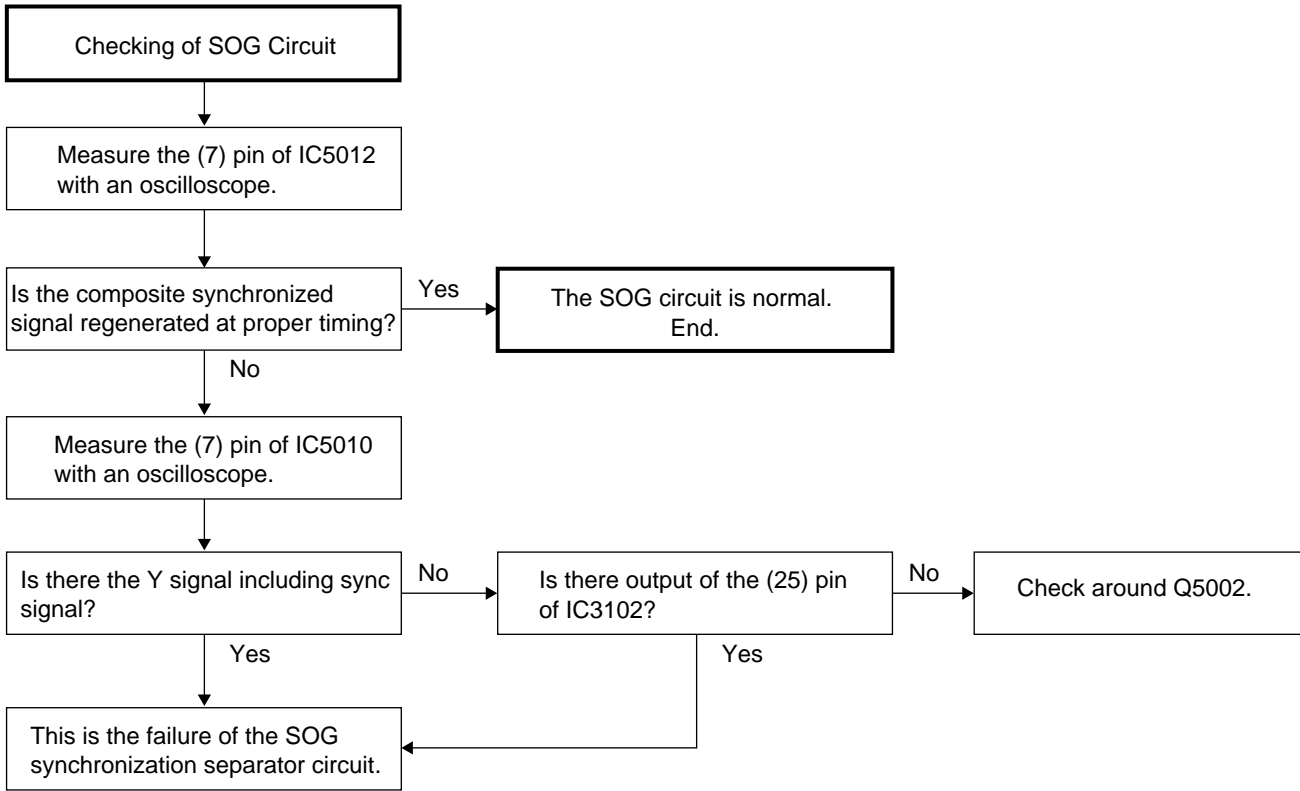
TROUBLE SHOOTING TABLE





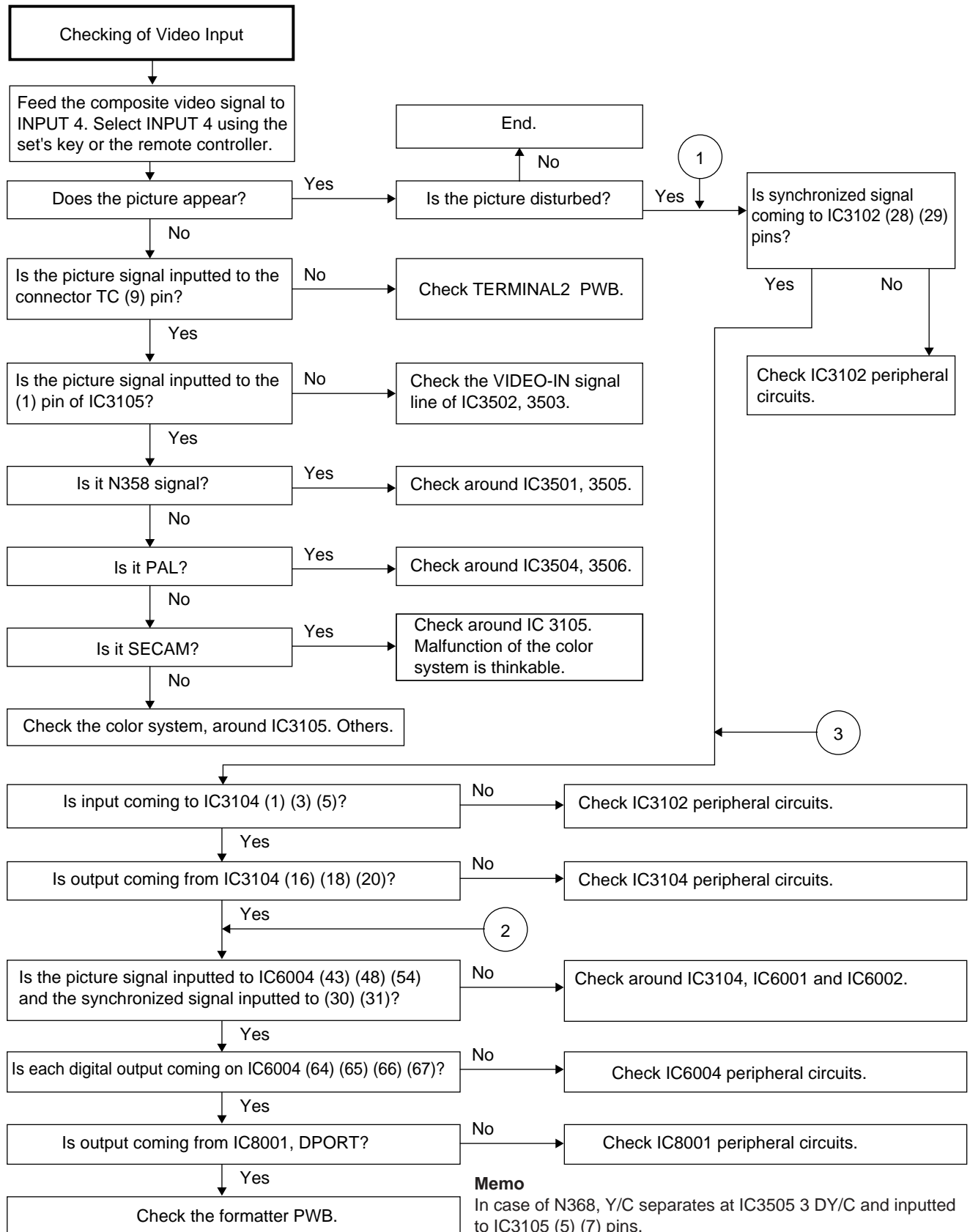






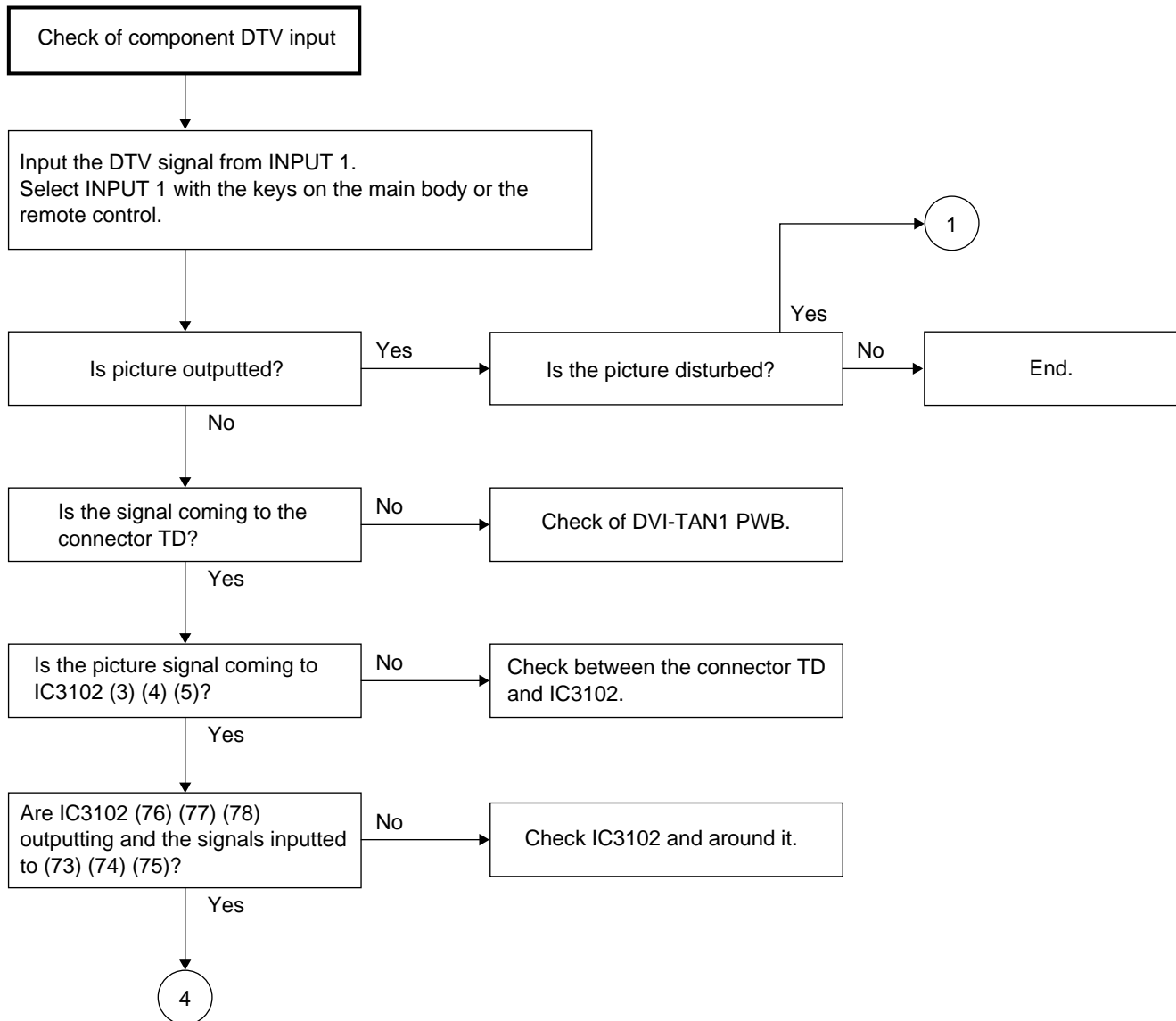
Memo

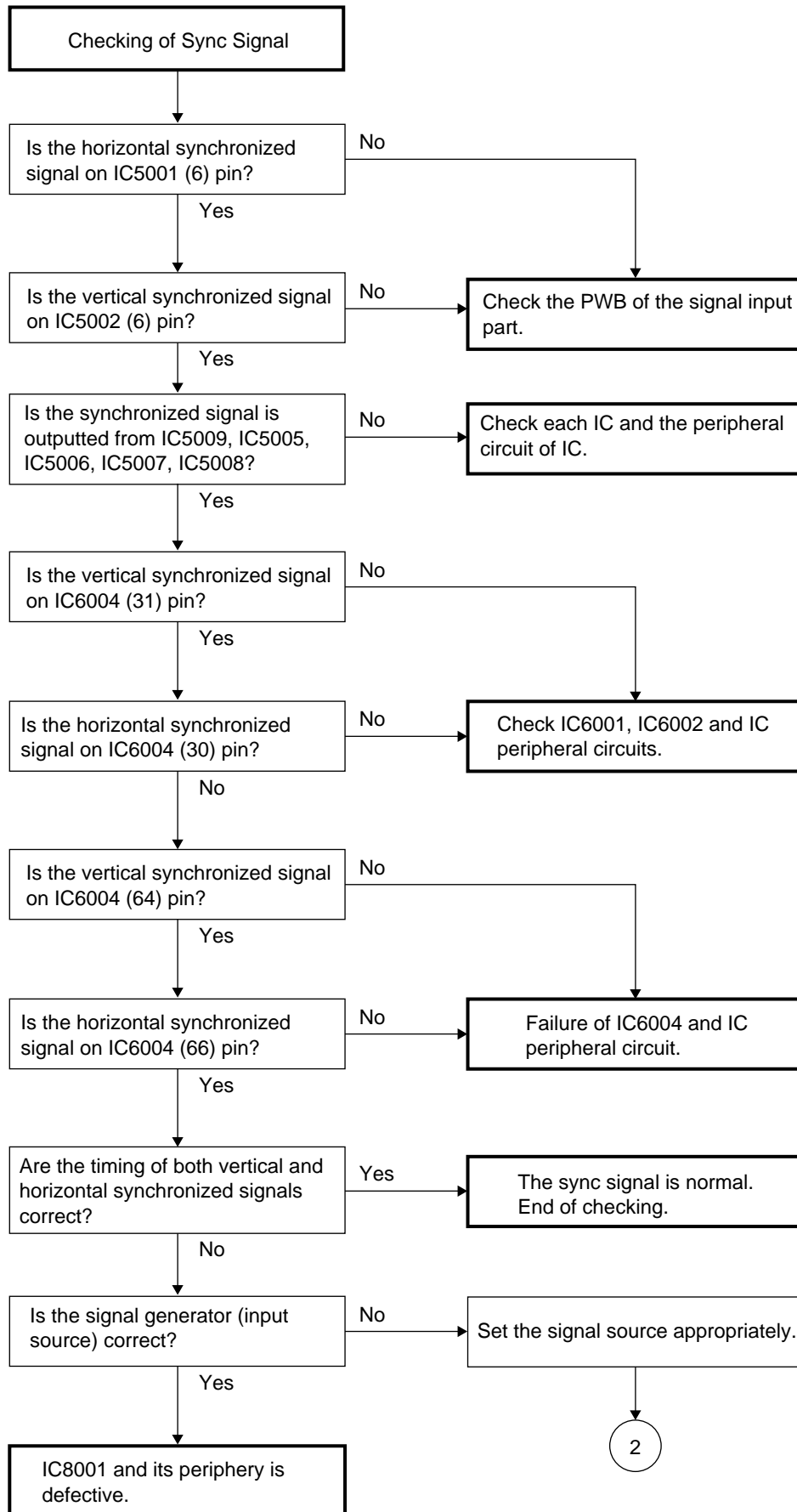
Only in case of N358, the noise reduction function of IC3505 is used and the noise is reduced, so it is inputted to IC3105 (5), (7).



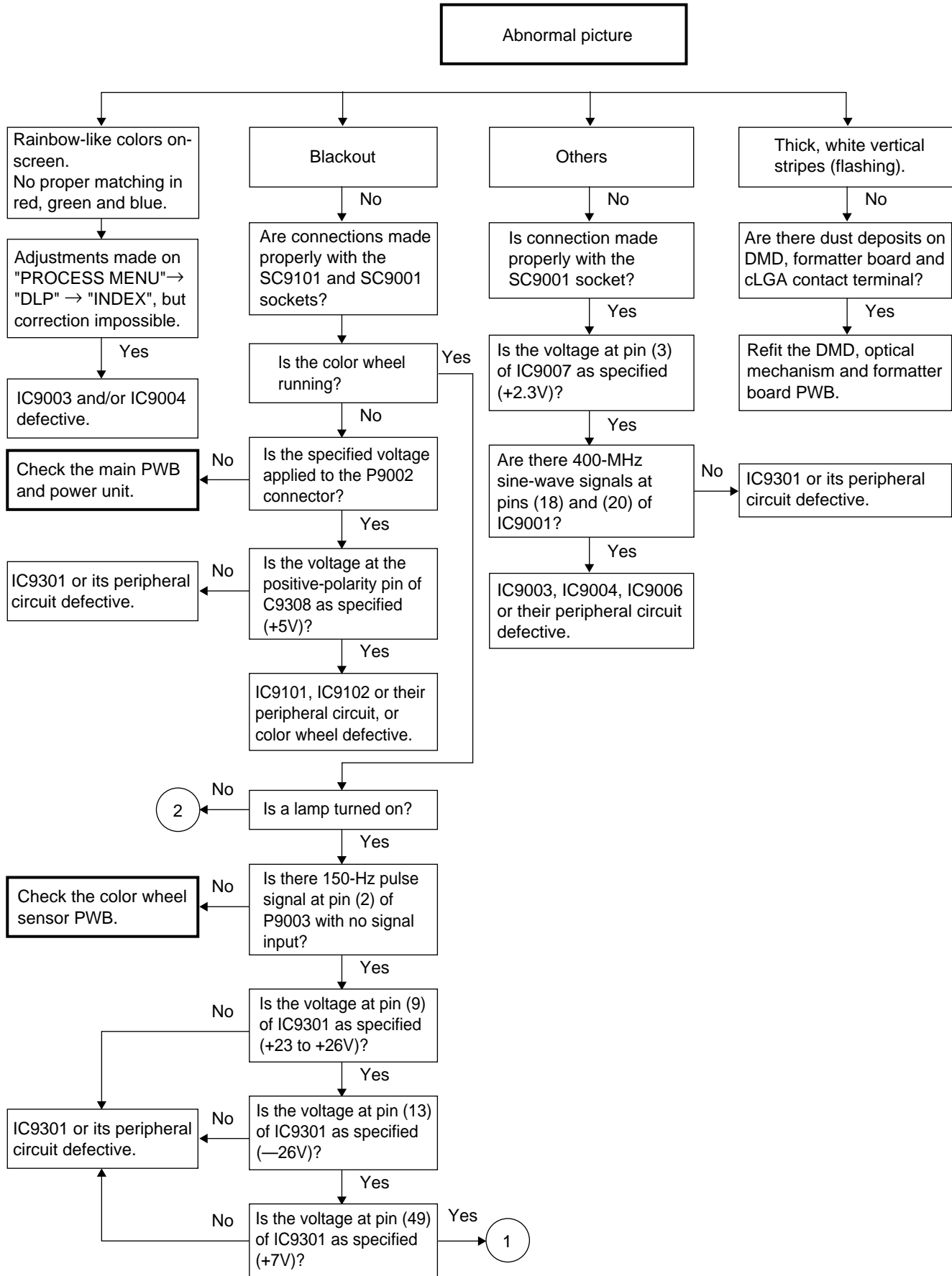
Memo

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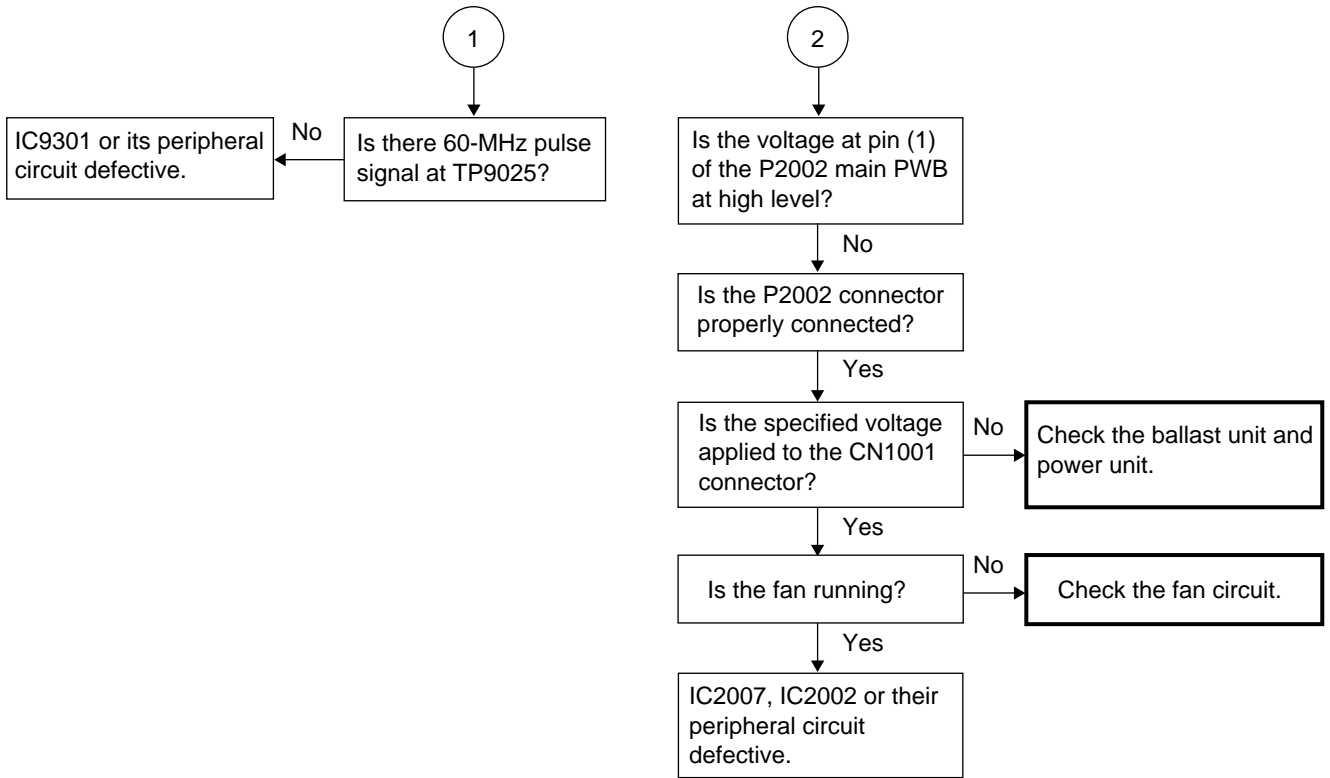




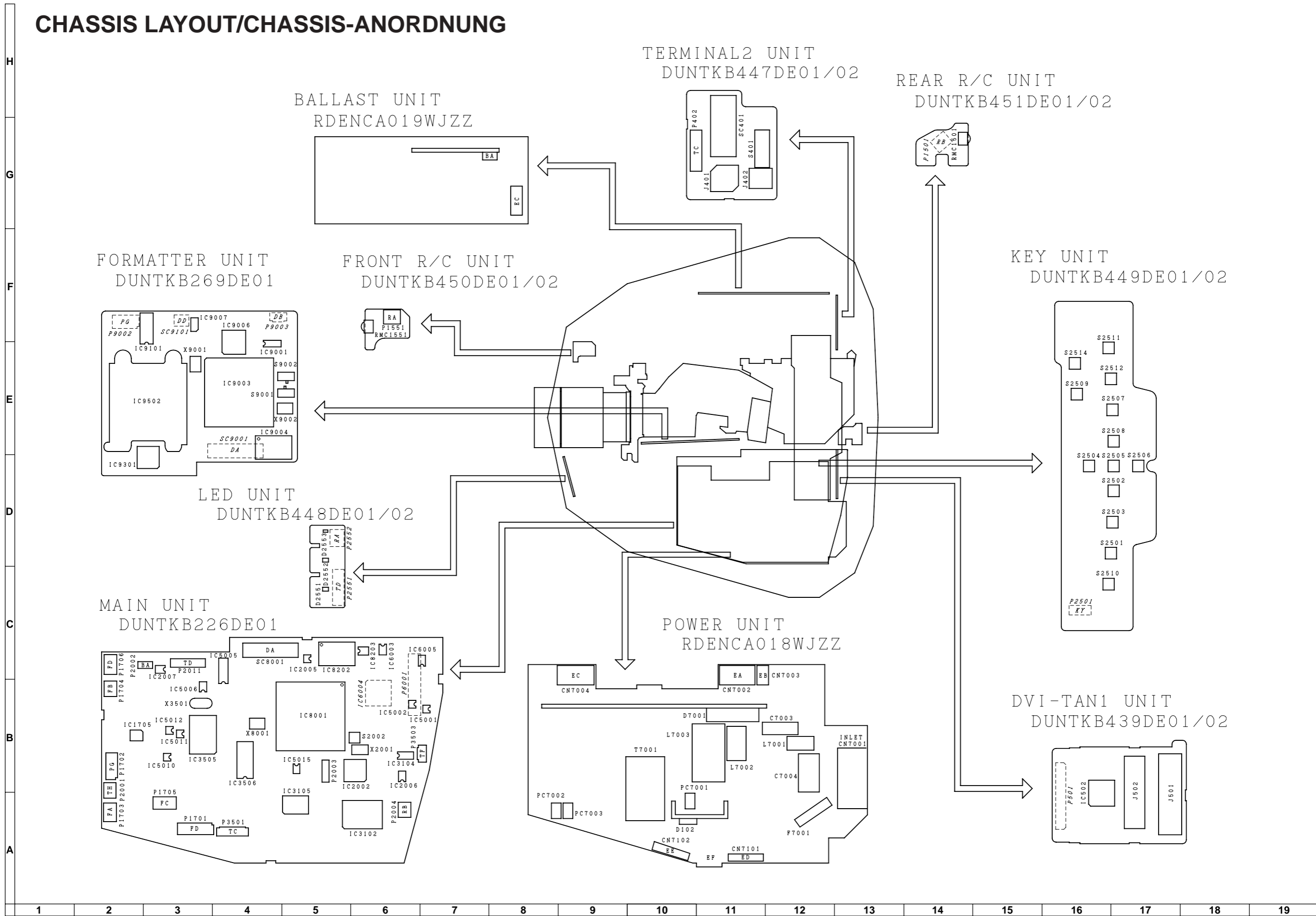
• Formatter Unit Troubleshooting -1/2



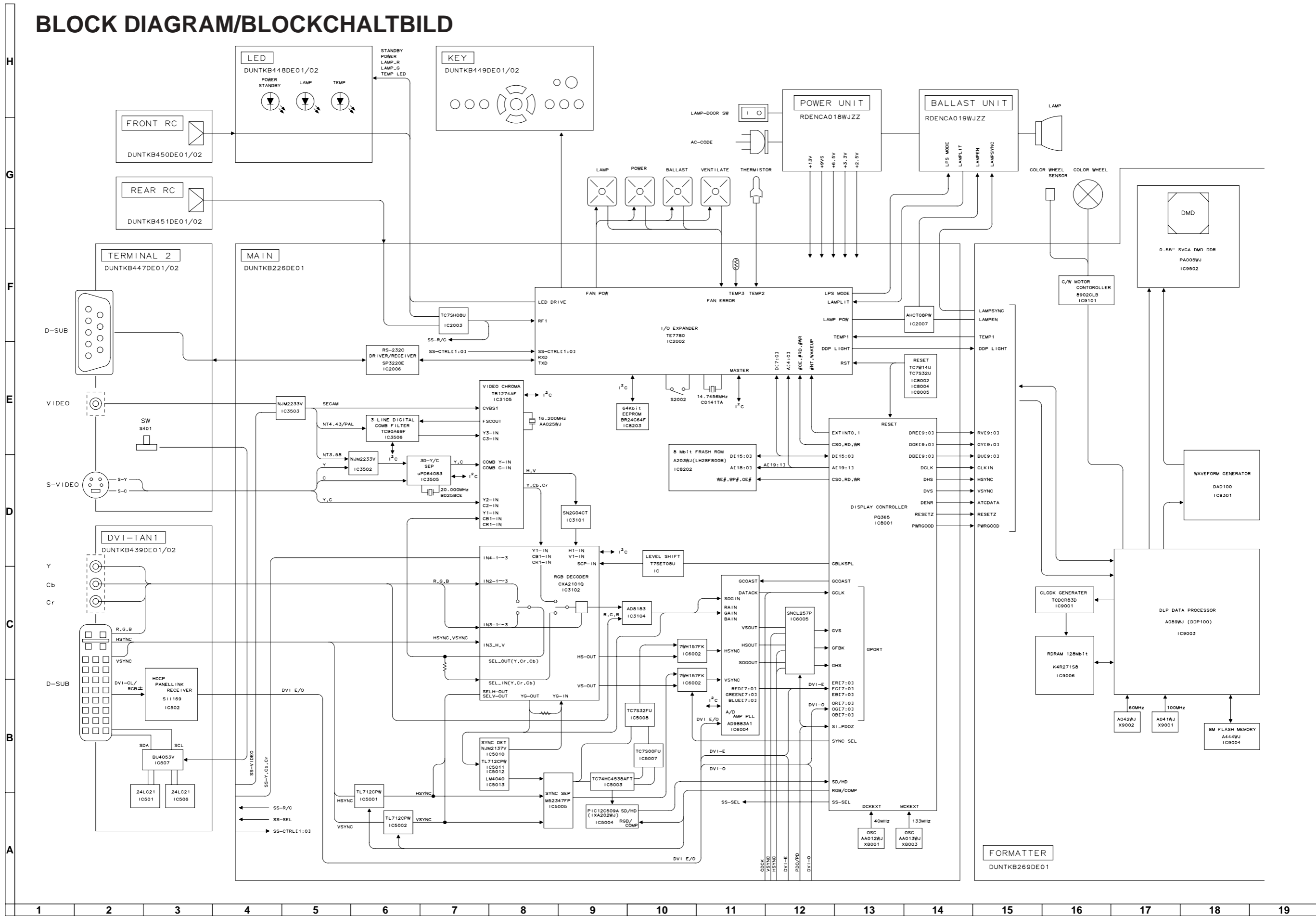
• Formatter Unit Troubleshooting-2/2



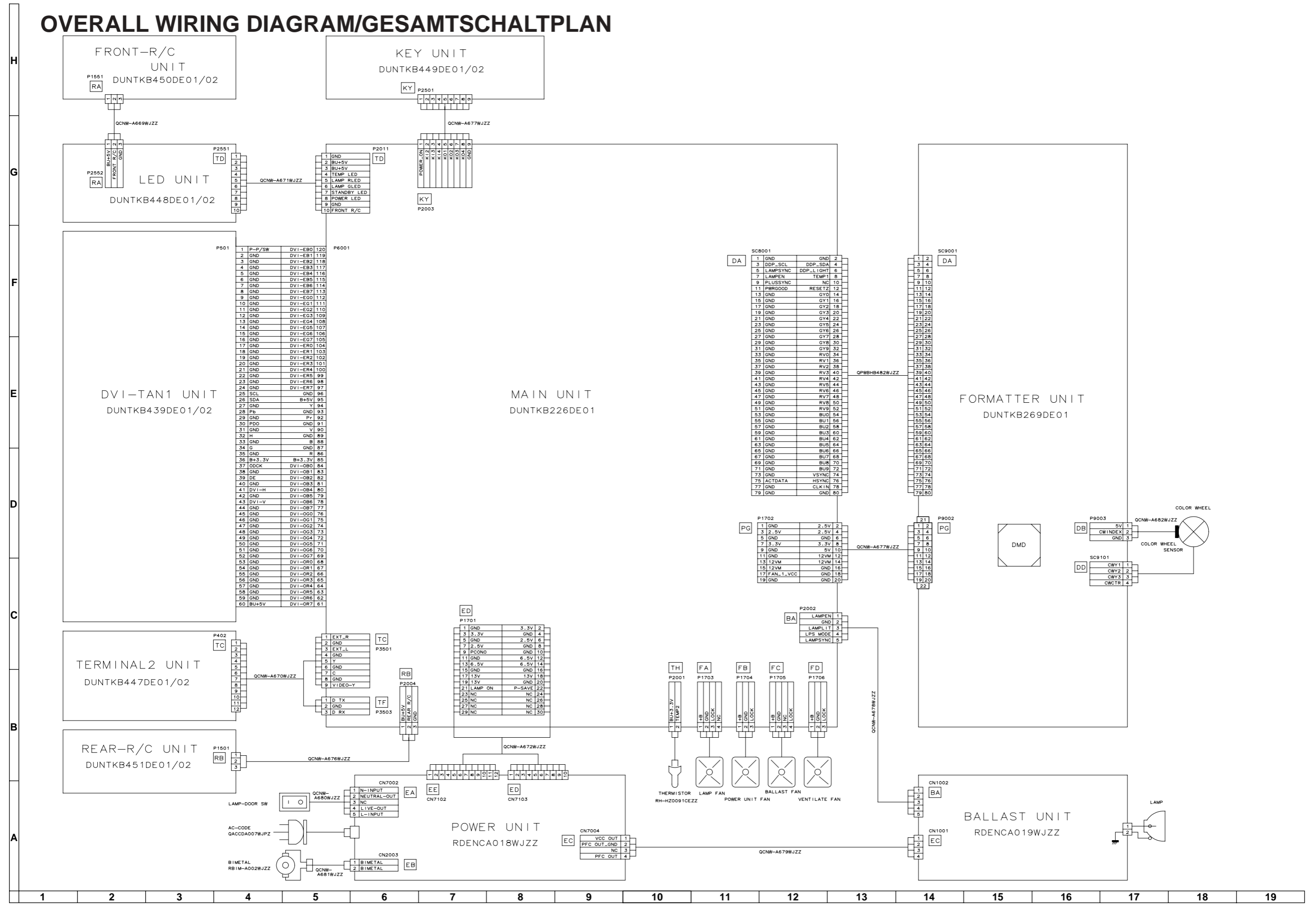
CHASSIS LAYOUT/CHASSIS-ANORDNUNG



BLOCK DIAGRAM/BLOCKCHALTBILD



OVERALL WIRING DIAGRAM/GESAMTSCHALTPLAN



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J = ± 5%, F = ± 1%, D = ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

⊙: Solid ⊗: Cement
 ⊚: Oxide Film ⊕: Special
 ⊖: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.

(ML): Mylar (TA): Tantalum
 (PF): Polypro Film (ST): Styrol

CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. **DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.**
2. **SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.**

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH " ⚠ () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 230V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 230V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J = ± 5%, F = ± 1%, D = ± 0.5%)
3. Alle Widerstände haben 1/16W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.

⊙: Fest ⊗: Zement
 ⊚: Oxidefilm ⊕: Spezial
 ⊖: Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.

(ML): Mylar (TA): Tantal
 (PF): Polyprofilm (ST): Styrol

ACHTUNG:

bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

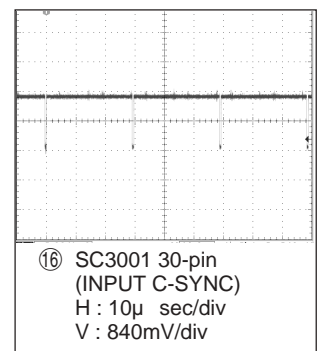
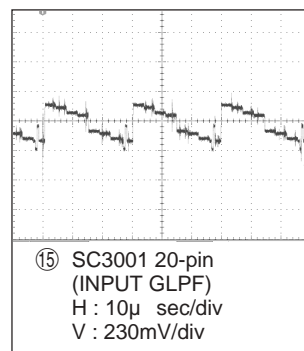
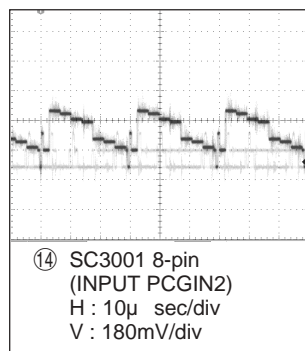
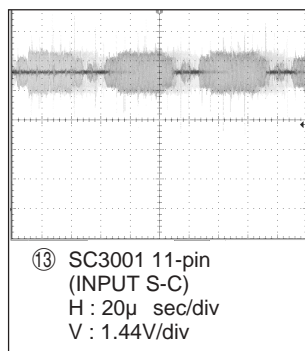
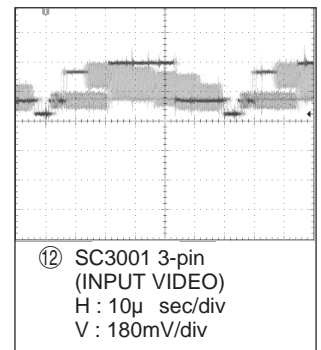
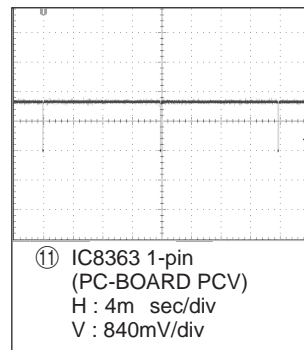
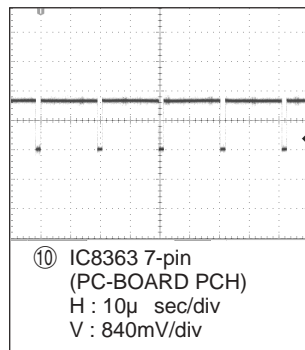
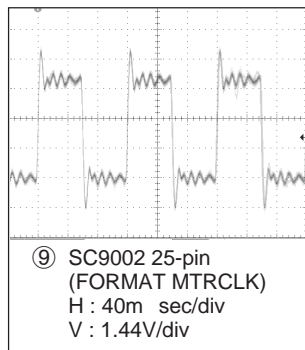
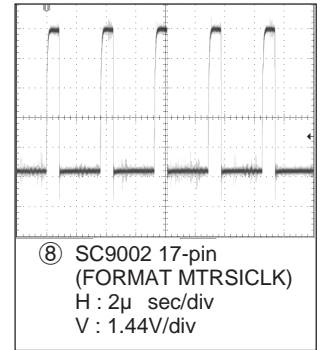
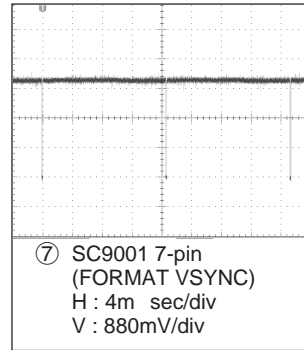
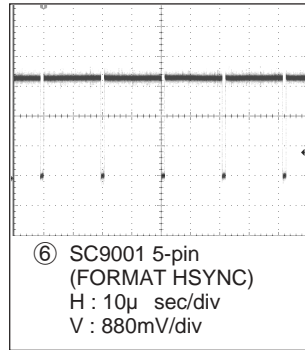
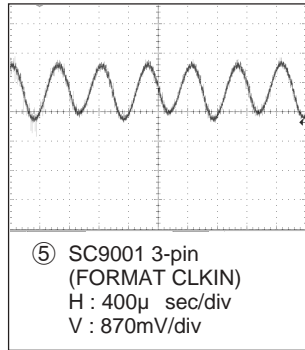
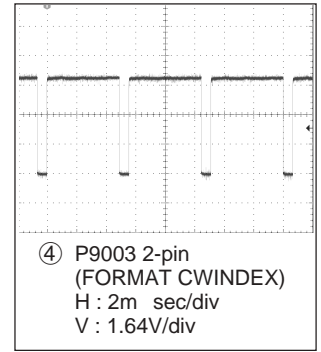
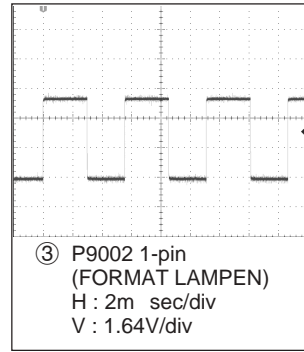
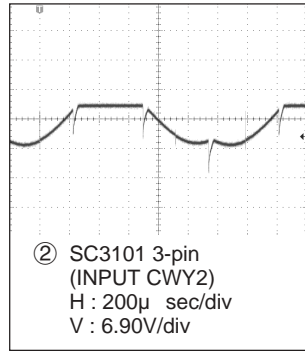
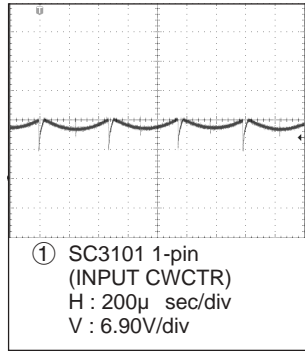
SICHERHEITSANMERKUNGEN:

1. **VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.**
2. **DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRlichen ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.**

WICHTIGE SICHERHEITSANMERKUNGEN:

MIT " ⚠ () BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

WAVEFORMS/WELLENFORMEN

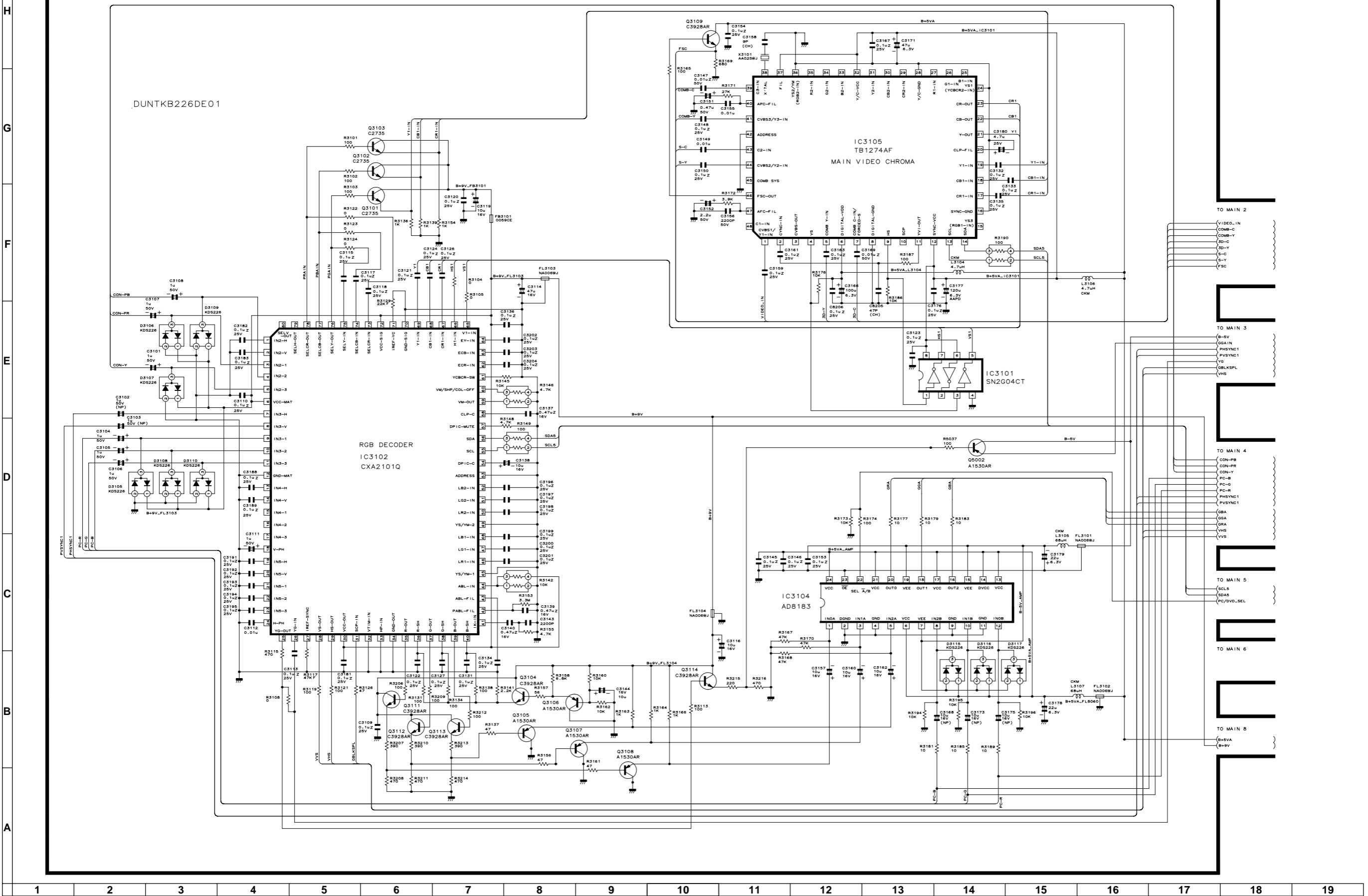


MAIN UNIT-1/8 / HAUPT EINHEIT-1/8

MAIN (1/8)

DUNTKB226DE

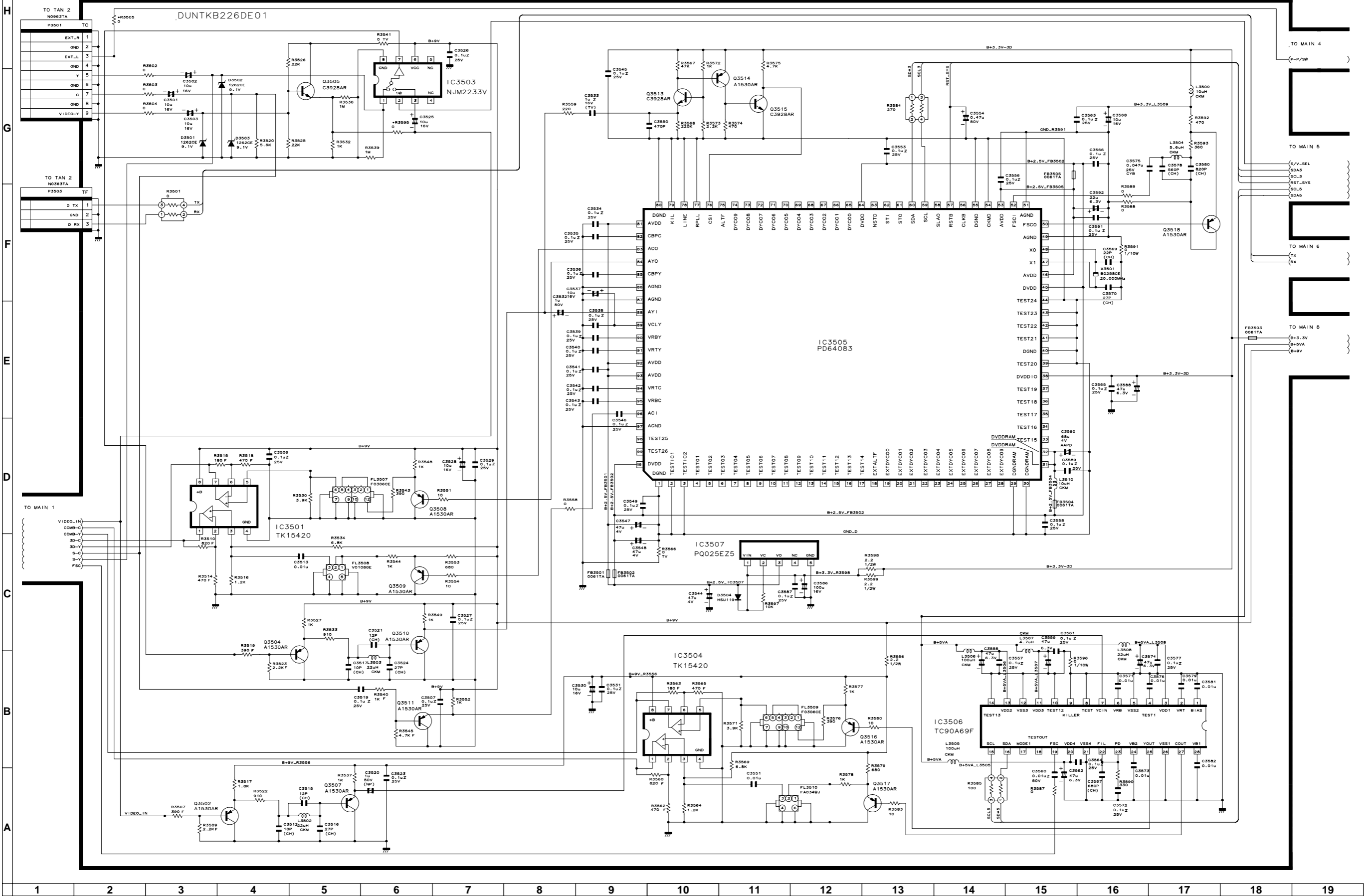
DUNTKB226DE01



MAIN UNIT-2/8 / HAUPT EINHEIT-2/8

MAIN (2/8)

DUNTKB226DE



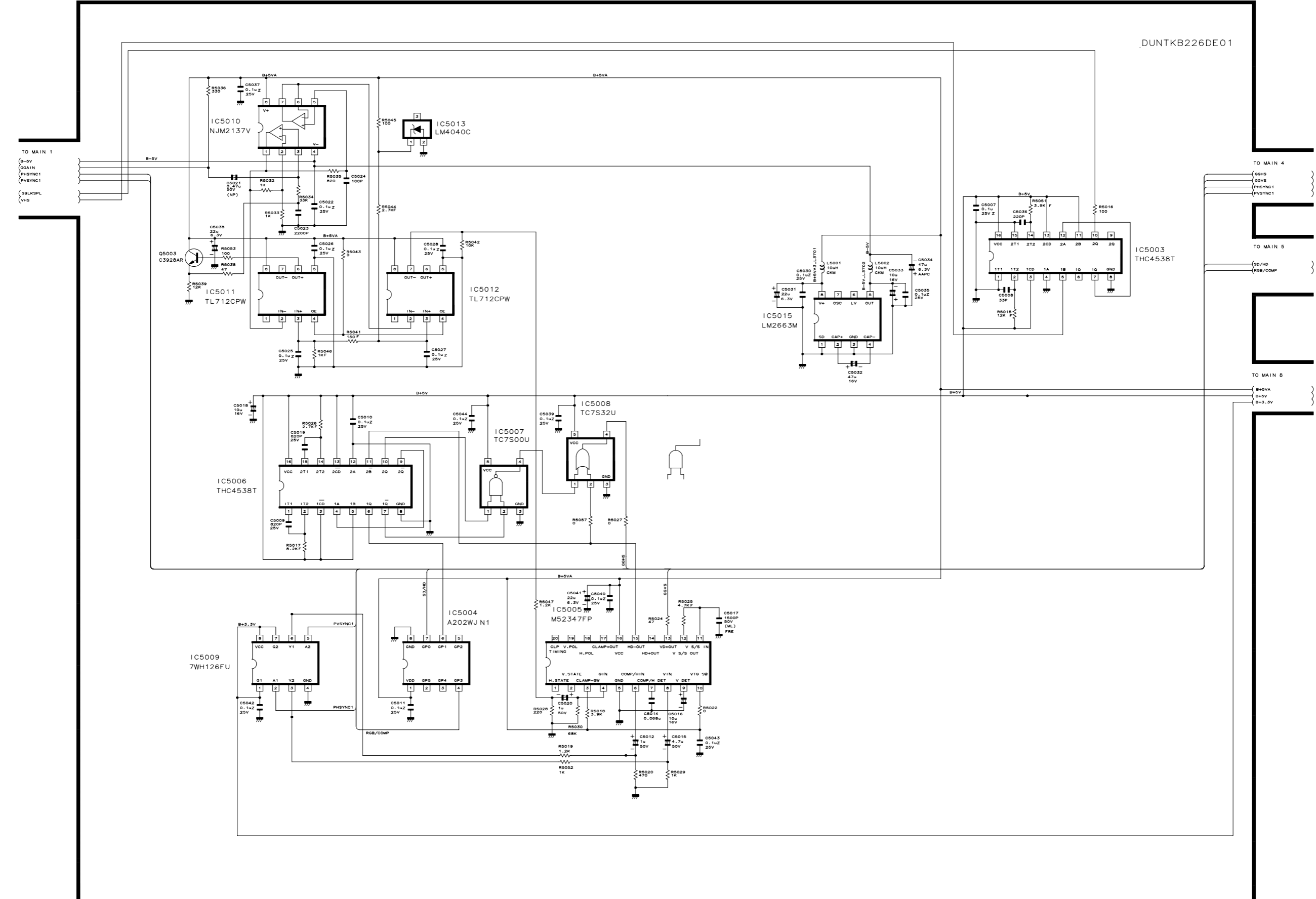
MAIN UNIT-3/8 / HAUPT EINHEIT-3/8

MAIN (3/8)

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DUNTKB226DE01

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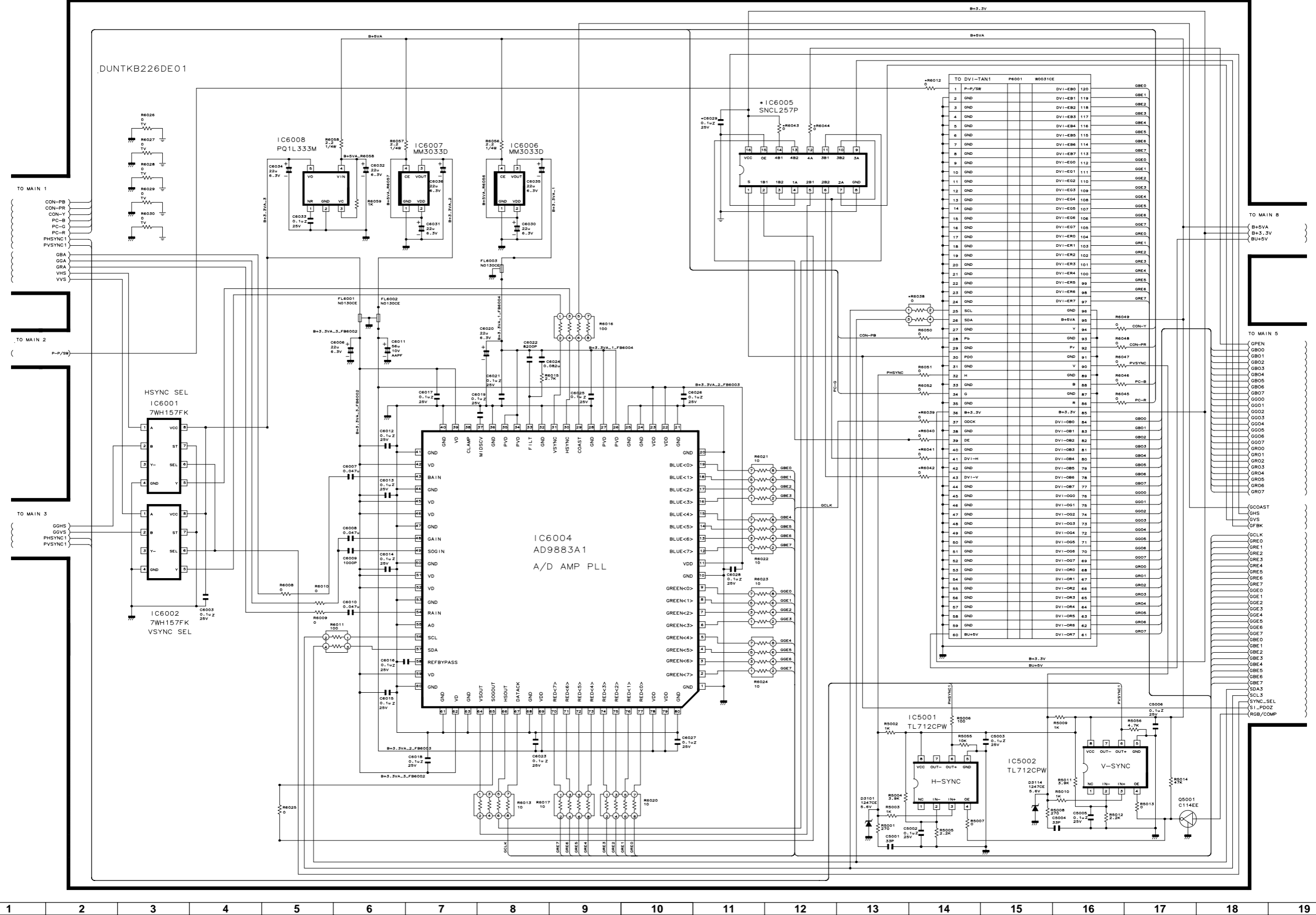
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MAIN UNIT-4/8 / HAUPT EINHEIT-4/8

MAIN (4/8)

DUNTKB226DE

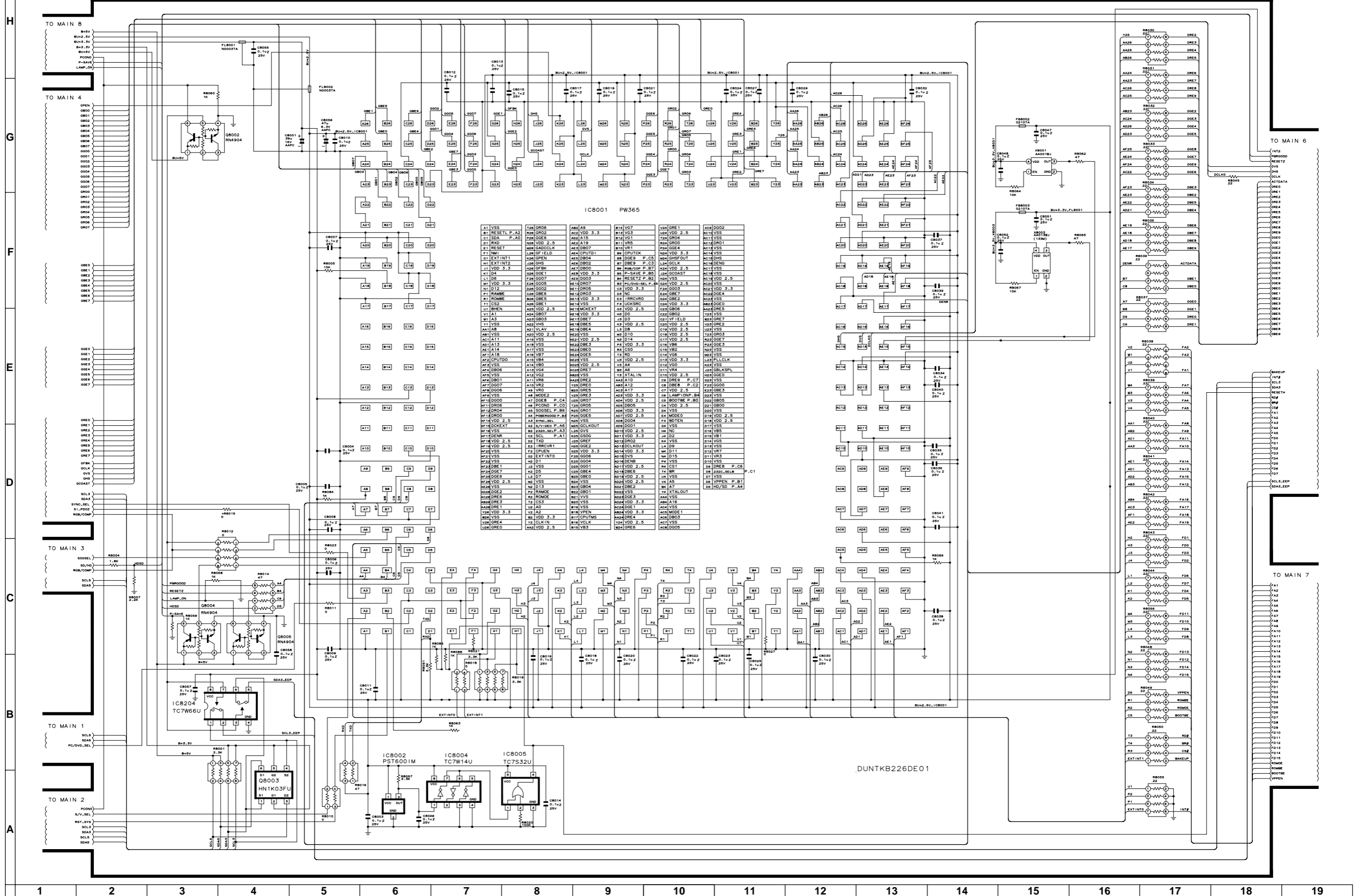
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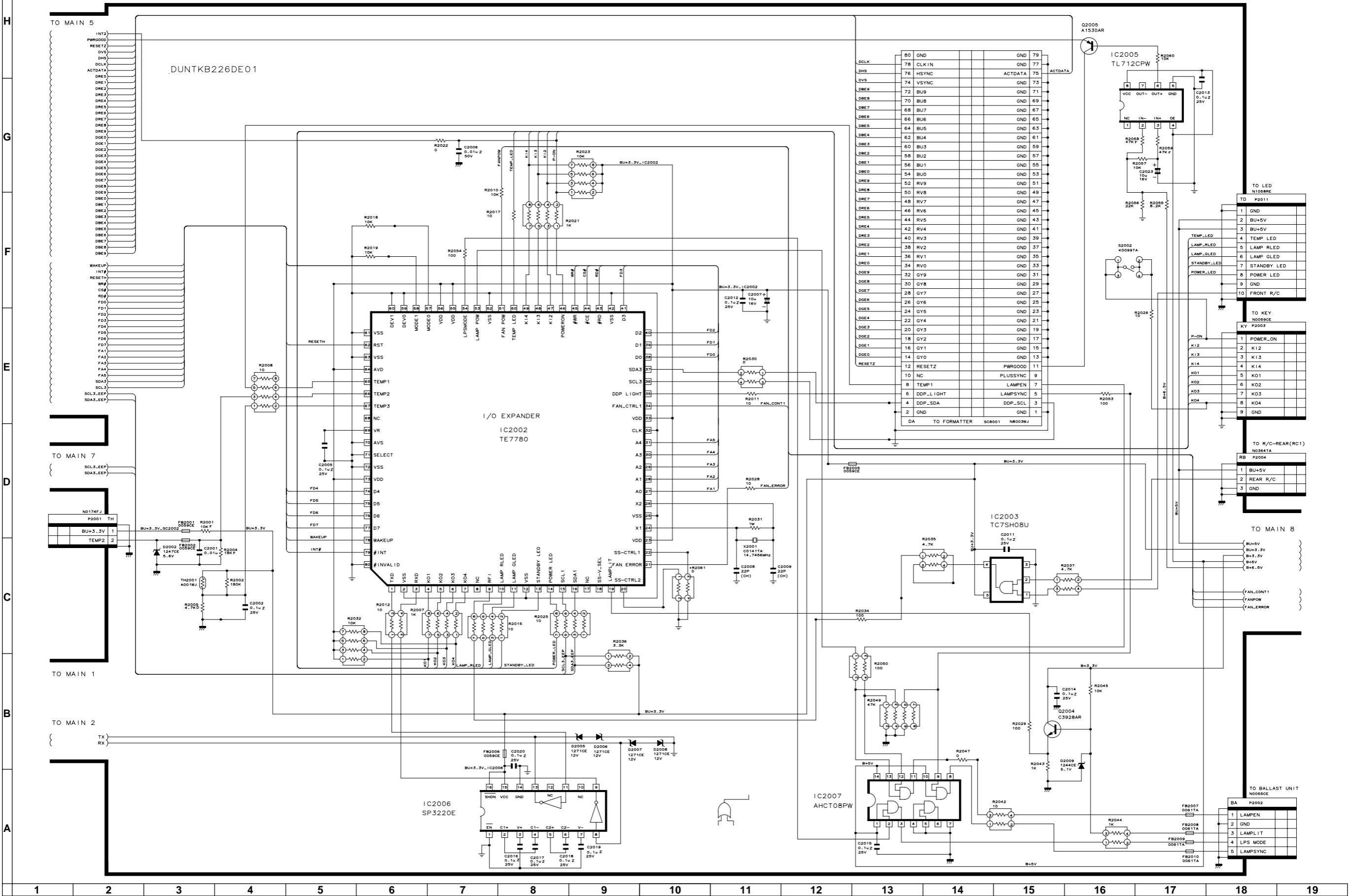
MAIN UNIT-5/8 / HAUPT EINHEIT-5/8

MAIN (5/8)

DUNTKB226DE



MAIN UNIT-6/8 / HAUPT EINHEIT-6/8 MAIN (6/8)



■ MAIN UNIT-7/8 / HAUPT EINHEIT-7/8

MAIN (7/8)

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TO MAIN 8

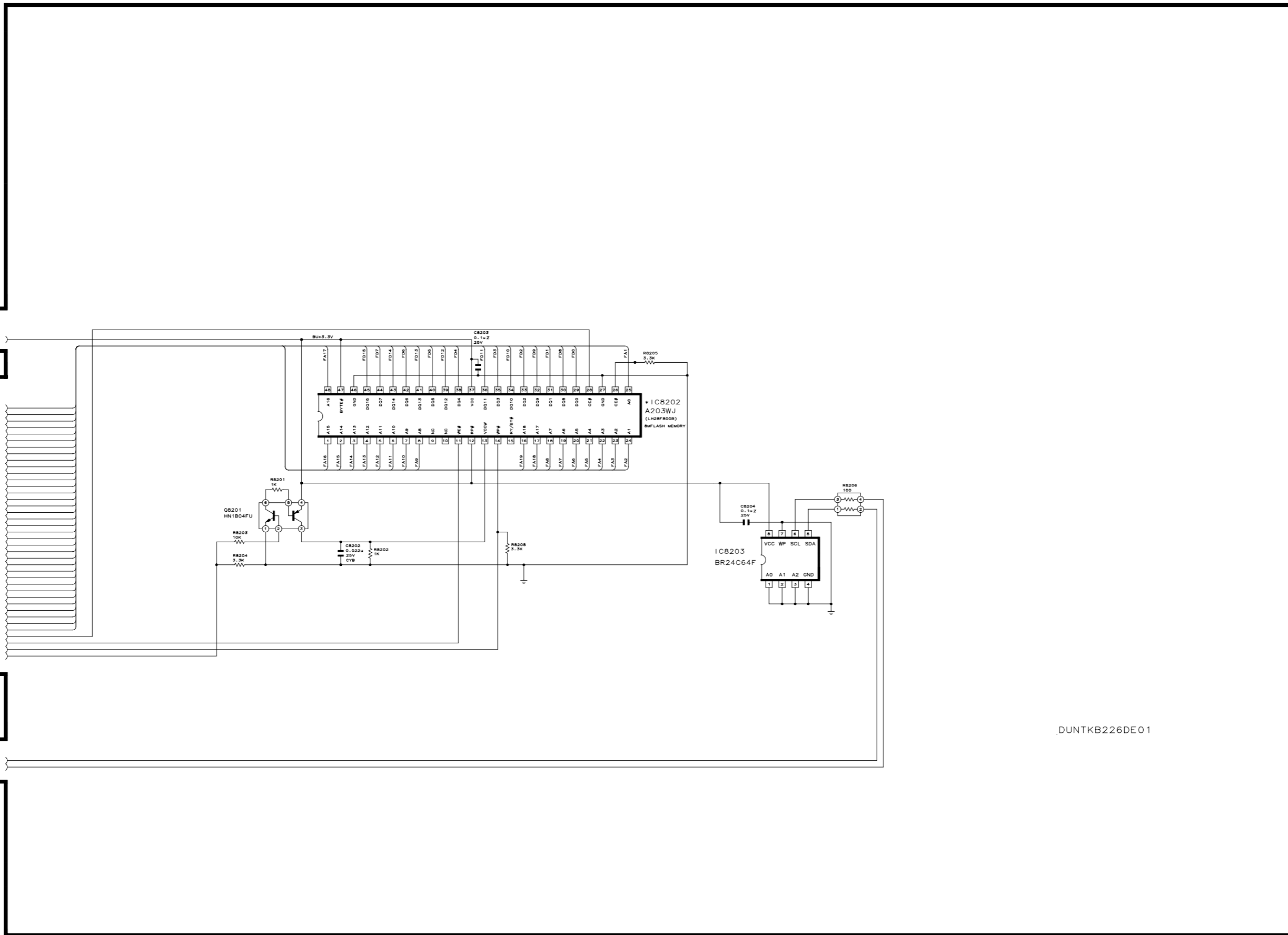
(BU+3.3V)

TO MAIN 5

- FA1
- FA2
- FA3
- FA4
- FA5
- FA6
- FA7
- FA8
- FA9
- FA10
- FA11
- FA12
- FA13
- FA14
- FA15
- FA16
- FA17
- FA18
- FA19
- FD0
- FD1
- FD2
- FD3
- FD4
- FD5
- FD6
- FD7
- FD8
- FD9
- FD10
- FD11
- FD12
- FD13
- FD14
- FD15
- ROMOE
- BOOTWE
- VPPEN

TO MAIN 6

(SDA3_EEP
SOL3_EEP)



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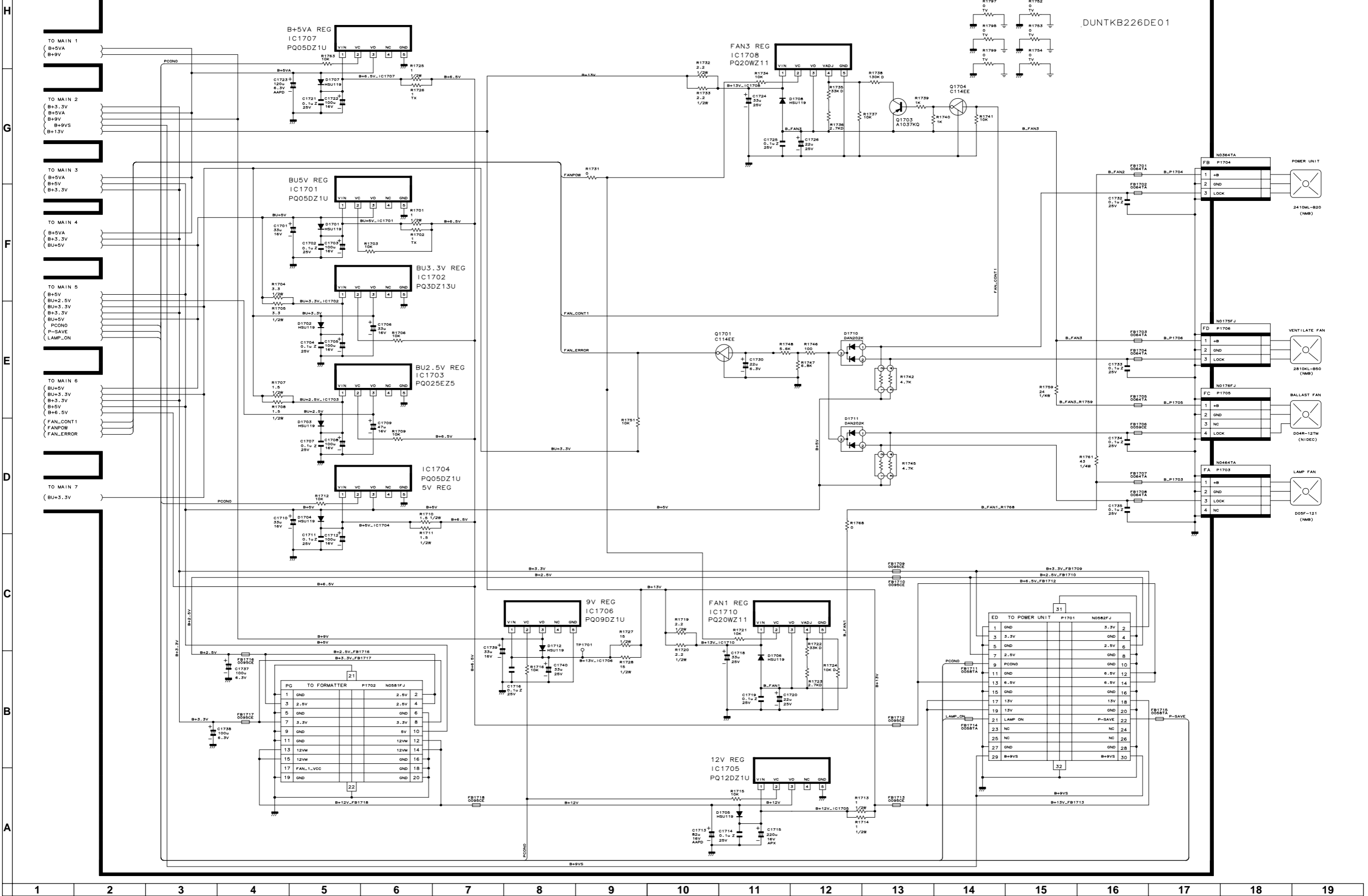
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MAIN UNIT-8/8 / HAUPT EINHEIT-8/8

MAIN (8/8)

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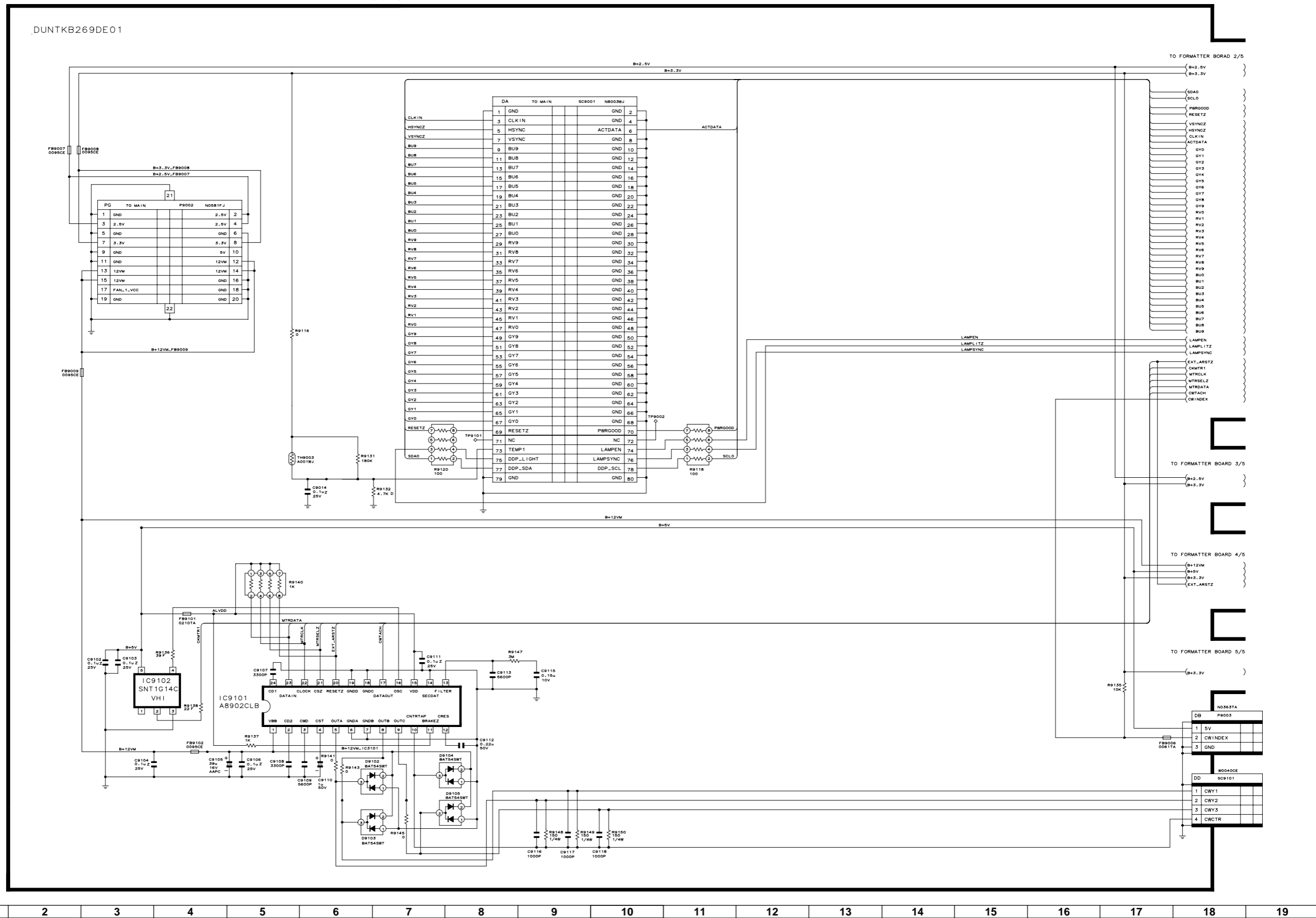
A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

FORMATTER UNIT-1/5 / FORMATIERER EINHEIT-1/5

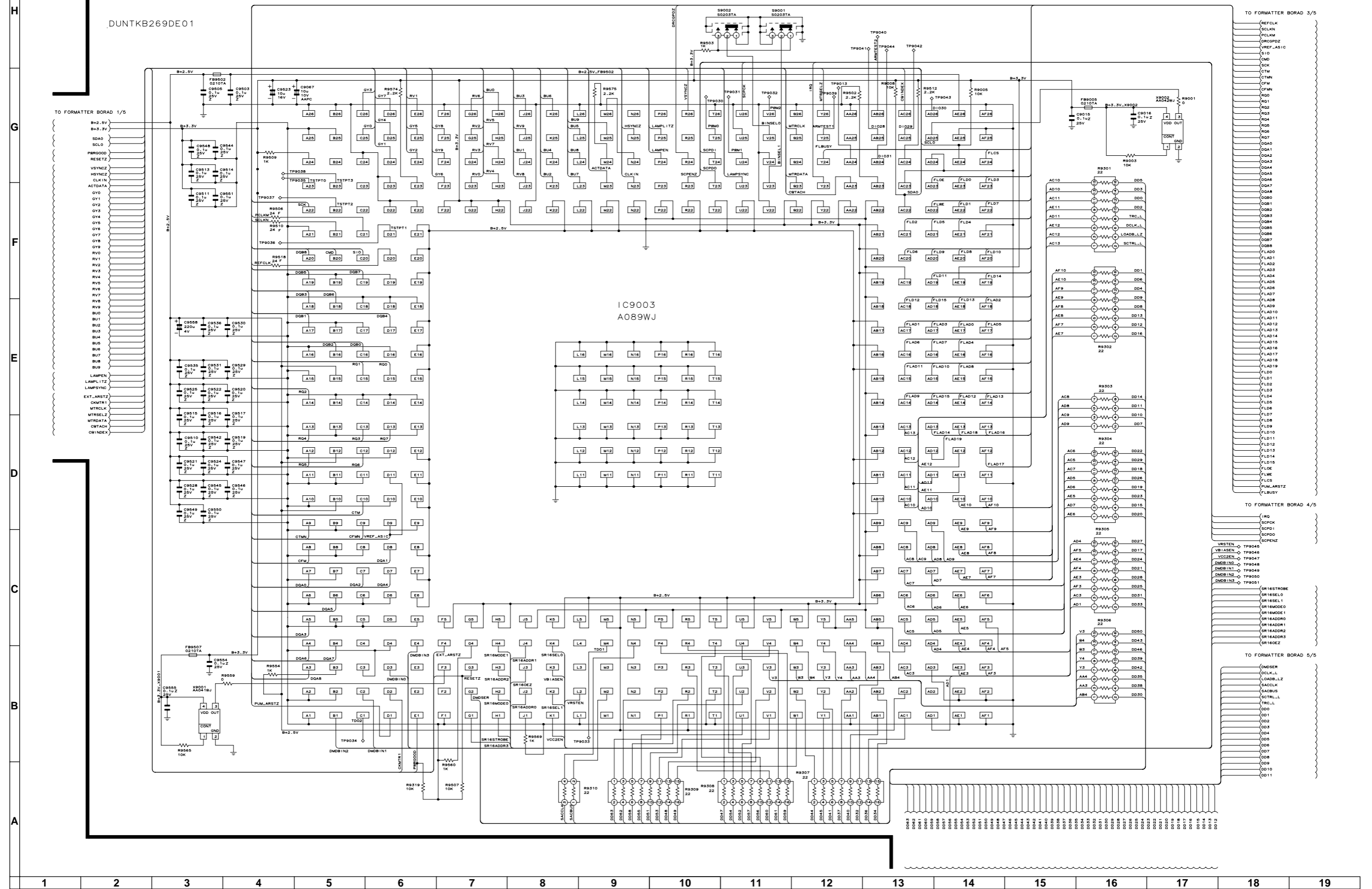
FORMATTER BOARD (1/5) QPWBF269WJZZ

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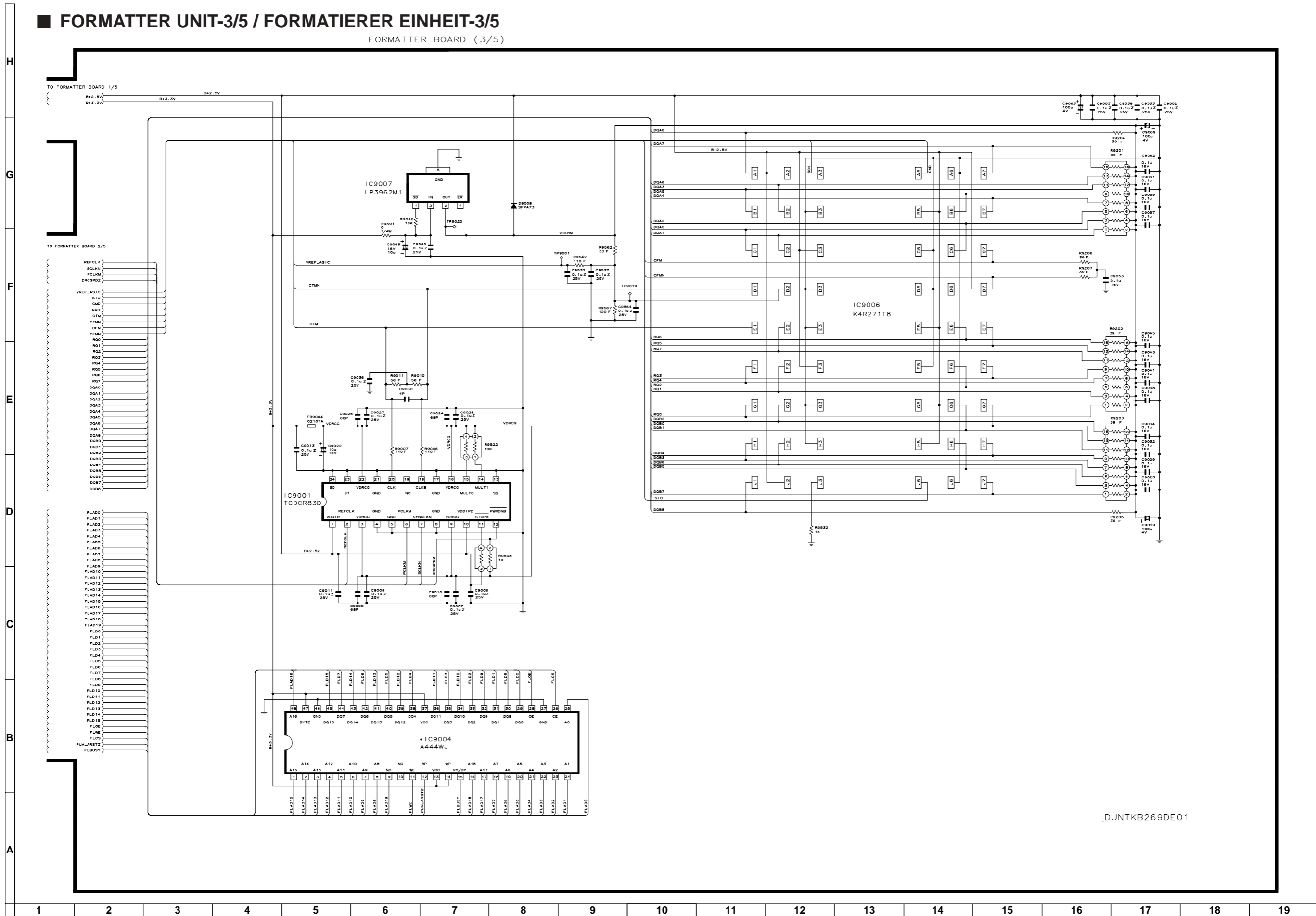
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FORMATTER BOARD (2/5)



FORMATTER UNIT-3/5 / FORMATIERER EINHEIT-3/5

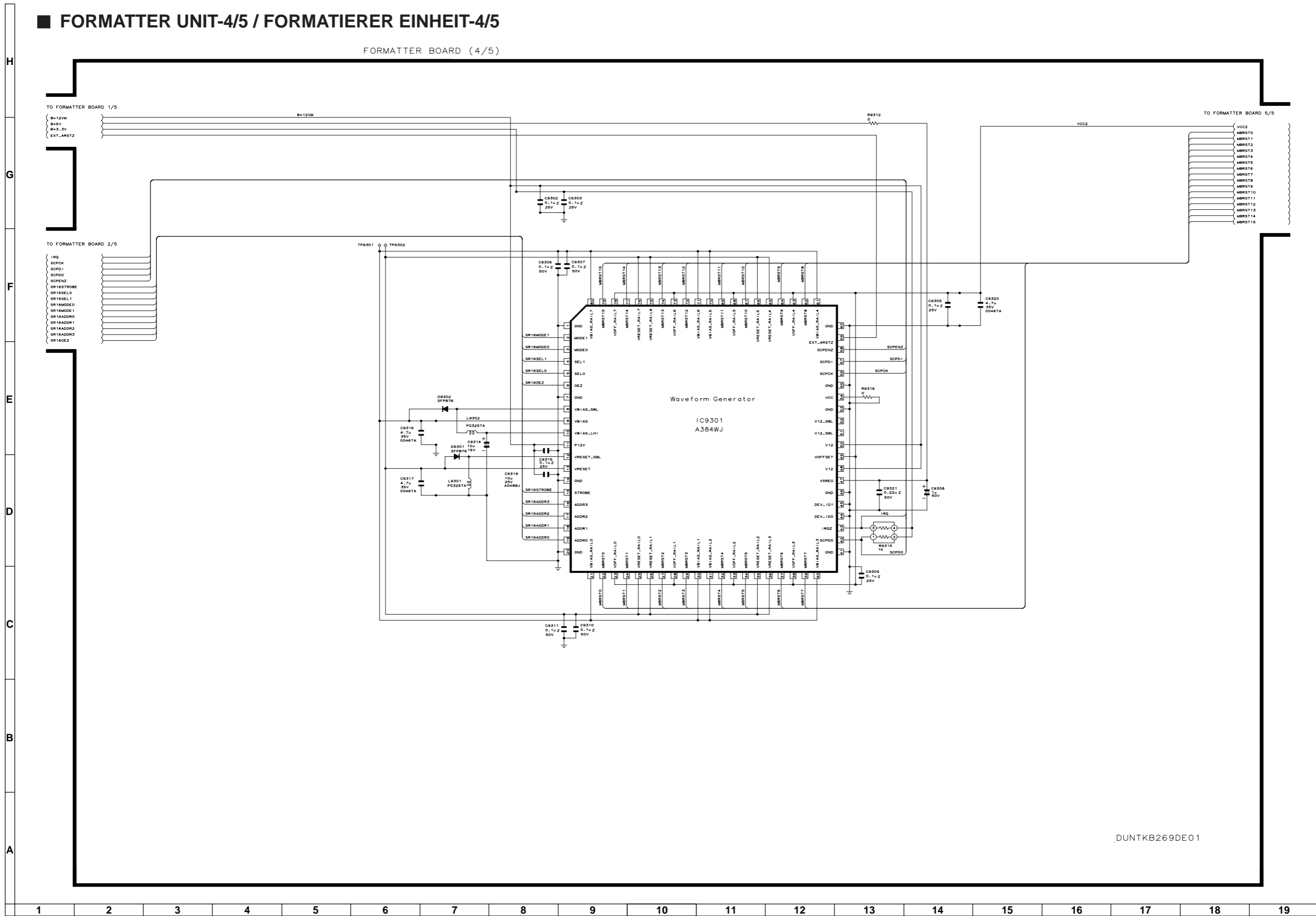
FORMATTER BOARD (3/5)



DUNTKB269DE01

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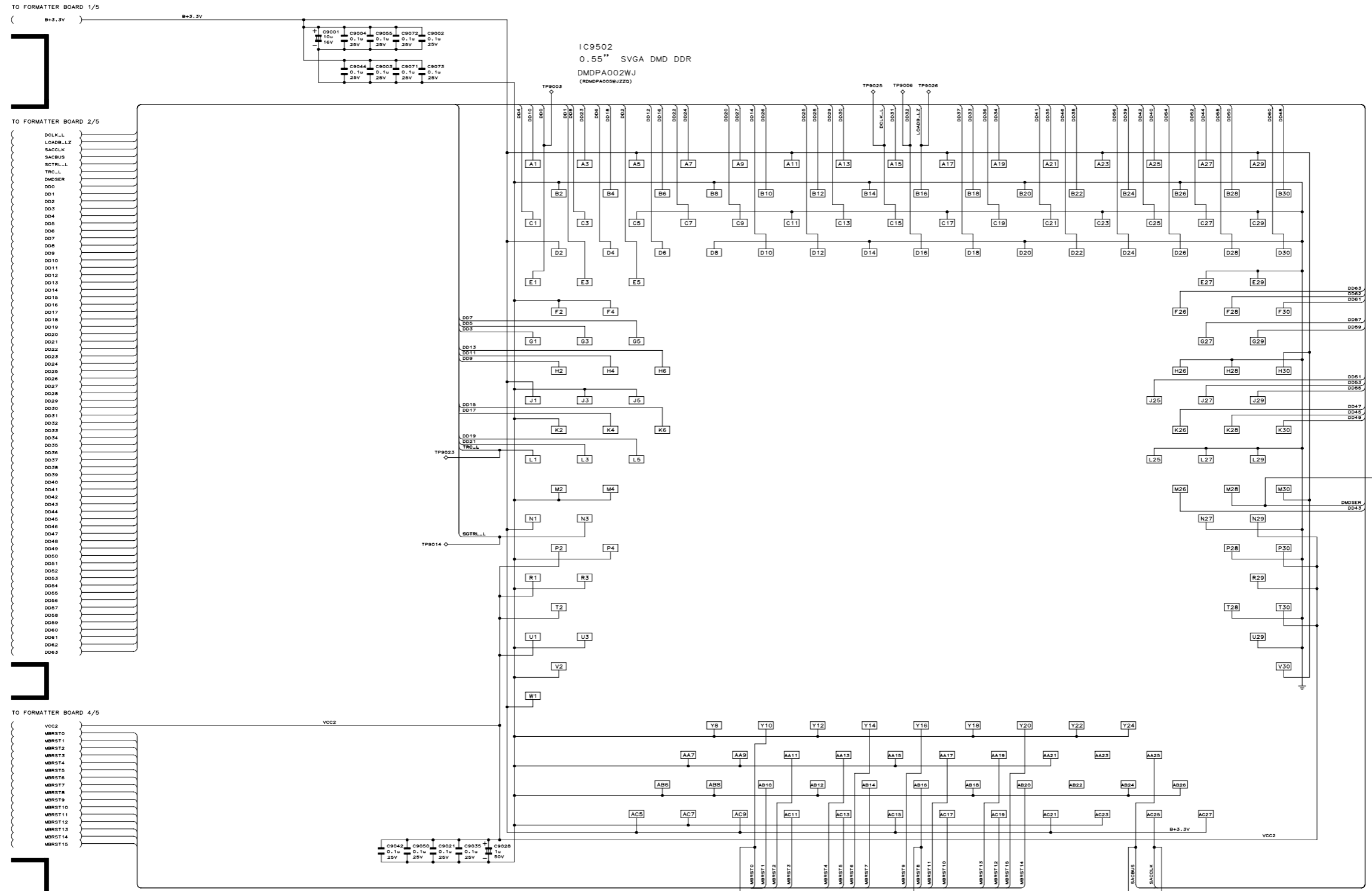
FORMATTER BOARD (4/5)



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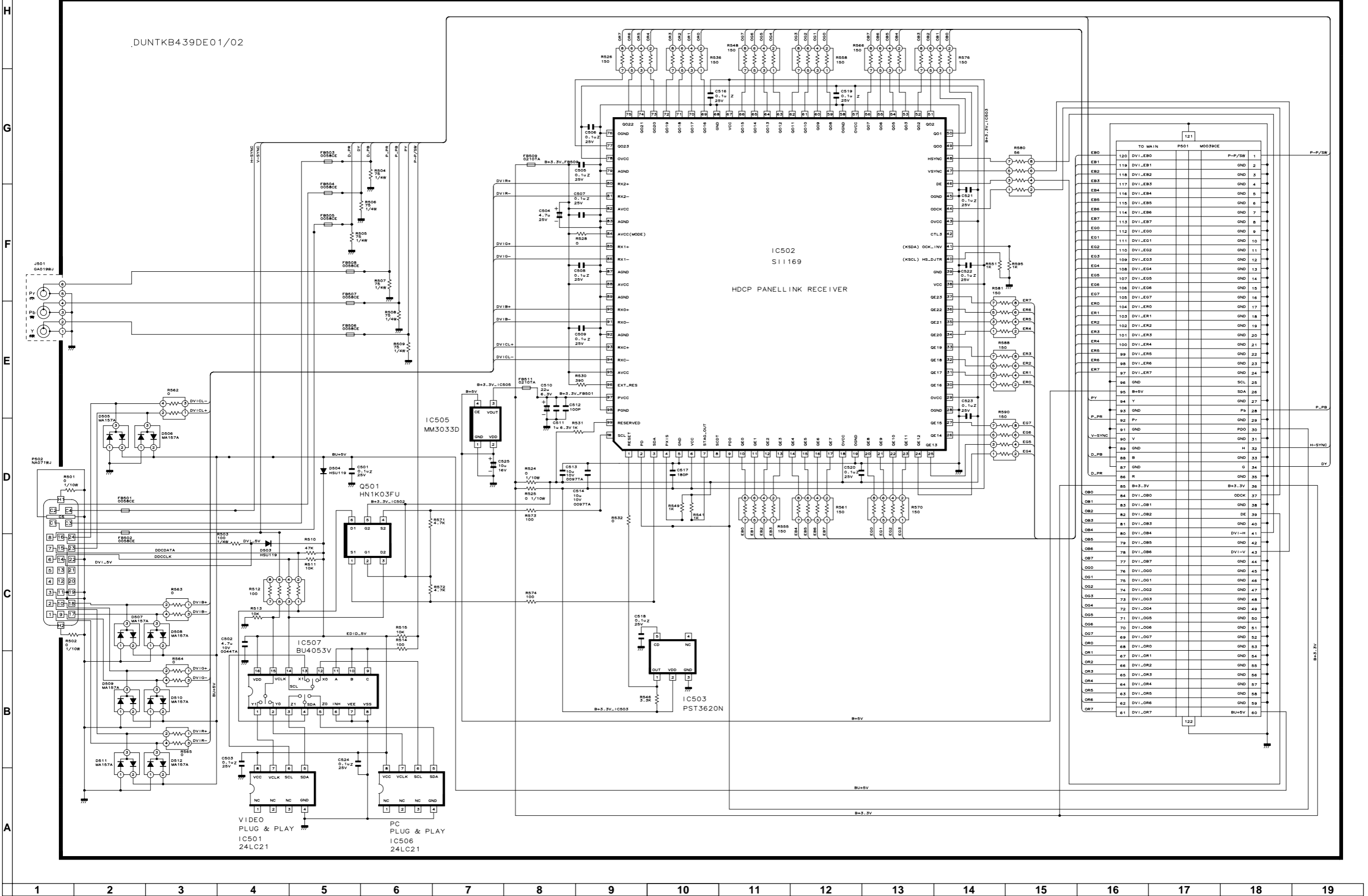
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FORMATTER BOARD (5/5)



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DVI-TAN1 UNIT / DVI-TAN1 EINHEIT



DUNTKB439DE01/02

IC502
S11169
HDCP PANELLINK RECEIVER

IC505
MM3033D

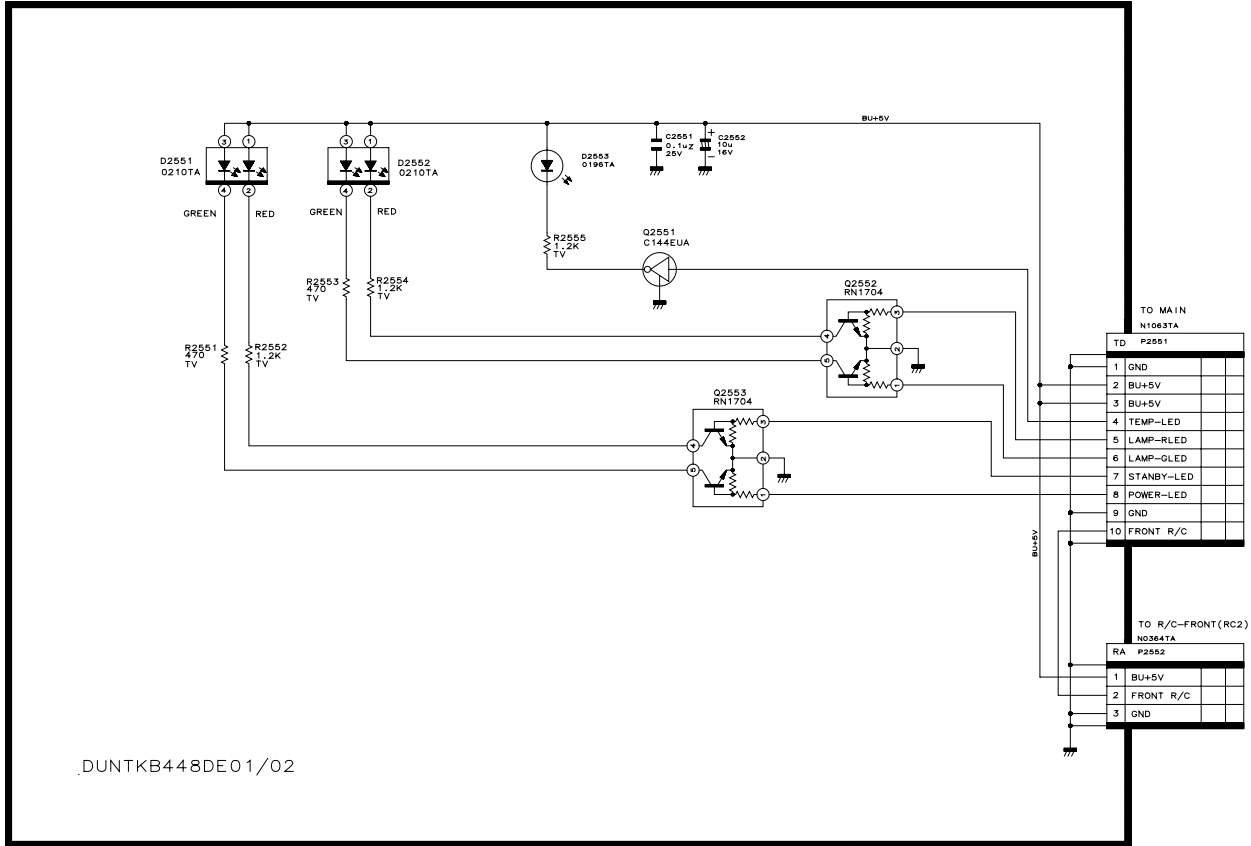
IC503
PST3620N

VIDEO
PLUG & PLAY
IC501
24LC21

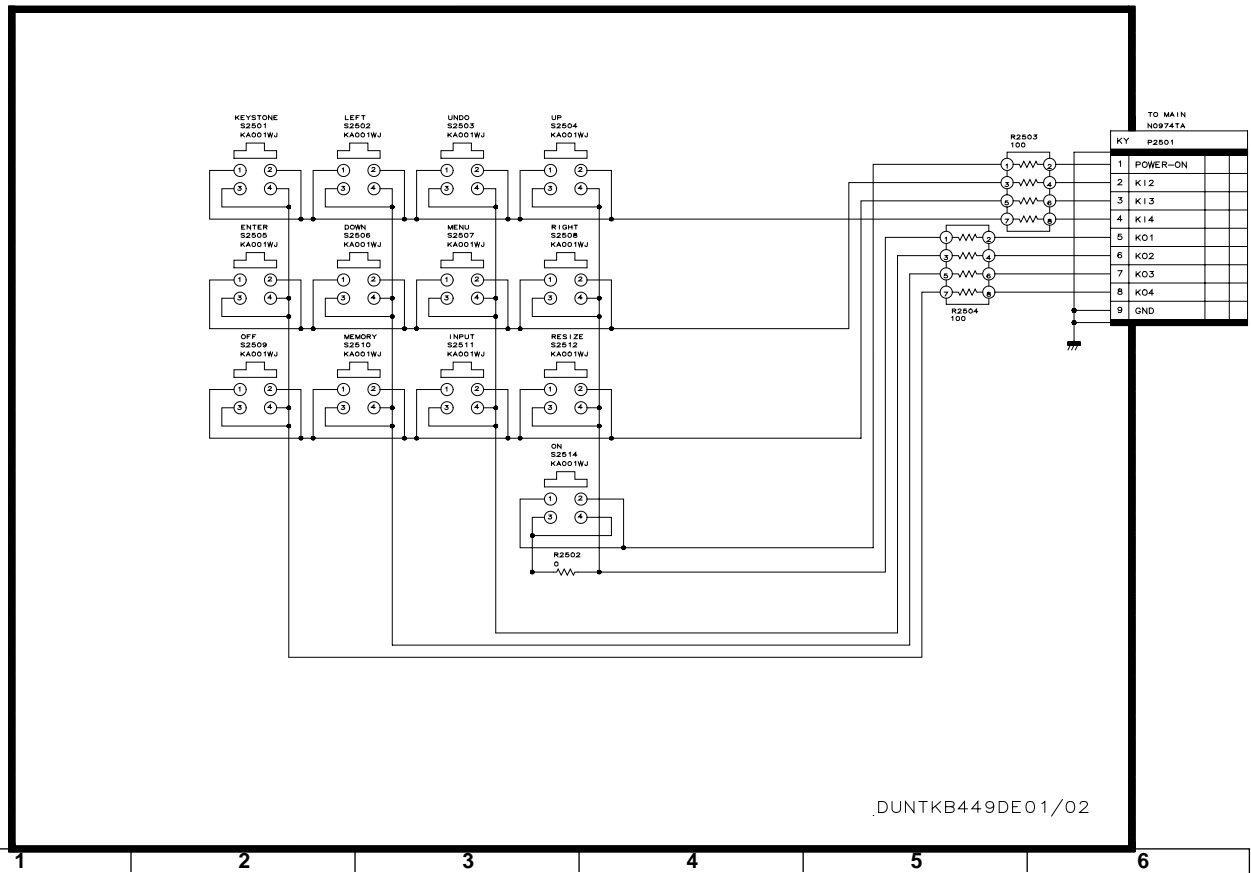
PC
PLUG & PLAY
IC506
24LC21

		TO MAIN		P501		MOD39CE			
EB0	120	DVI_EB0				P-P/SW	1		
EB1	119	DVI_EB1				GND	2		
EB2	118	DVI_EB2				GND	3		
EB3	117	DVI_EB3				GND	4		
EB4	116	DVI_EB4				GND	5		
EB5	115	DVI_EB5				GND	6		
EB6	114	DVI_EB6				GND	7		
EB7	113	DVI_EB7				GND	8		
EG0	112	DVI_EG0				GND	9		
EG1	111	DVI_EG1				GND	10		
EG2	110	DVI_EG2				GND	11		
EG3	109	DVI_EG3				GND	12		
EG4	108	DVI_EG4				GND	13		
EG5	107	DVI_EG5				GND	14		
EG6	106	DVI_EG6				GND	15		
EG7	105	DVI_EG7				GND	16		
ER0	104	DVI_ER0				GND	17		
ER1	103	DVI_ER1				GND	18		
ER2	102	DVI_ER2				GND	19		
ER3	101	DVI_ER3				GND	20		
ER4	100	DVI_ER4				GND	21		
ER5	99	DVI_ER5				GND	22		
ER6	98	DVI_ER6				GND	23		
ER7	97	DVI_ER7				GND	24		
	96	GND				SCL	25		
	95	B+5V				SDA	26		
	94	Y				GND	27		
	93	GND				PB	28		
	92	P_PR				GND	29		
	91	GND				PDO	30		
	90	V				GND	31		
	89	GND				H	32		
	88	B				GND	33		
	87	GND				G	34		
	86	R				GND	35		
	85	B+3.3V				B+3.3V	36		
OB0	84	DVI_OB0				ODCK	37		
OB1	83	DVI_OB1				GND	38		
OB2	82	DVI_OB2				DE	39		
OB3	81	DVI_OB3				GND	40		
OB4	80	DVI_OB4				DVI-H	41		
OB5	79	DVI_OB5				GND	42		
OB6	78	DVI_OB6				DVI-V	43		
OB7	77	DVI_OB7				GND	44		
OG0	76	DVI_OG0				GND	45		
OG1	75	DVI_OG1				GND	46		
OG2	74	DVI_OG2				GND	47		
OG3	73	DVI_OG3				GND	48		
OG4	72	DVI_OG4				GND	49		
OG5	71	DVI_OG5				GND	50		
OG6	70	DVI_OG6				GND	51		
OG7	69	DVI_OG7				GND	52		
OR0	68	DVI_OR0				GND	53		
OR1	67	DVI_OR1				GND	54		
OR2	66	DVI_OR2				GND	55		
OR3	65	DVI_OR3				GND	56		
OR4	64	DVI_OR4				GND	57		
OR5	63	DVI_OR5				GND	58		
OR6	62	DVI_OR6				GND	59		
OR7	61	DVI_OR7				B+5V	60		

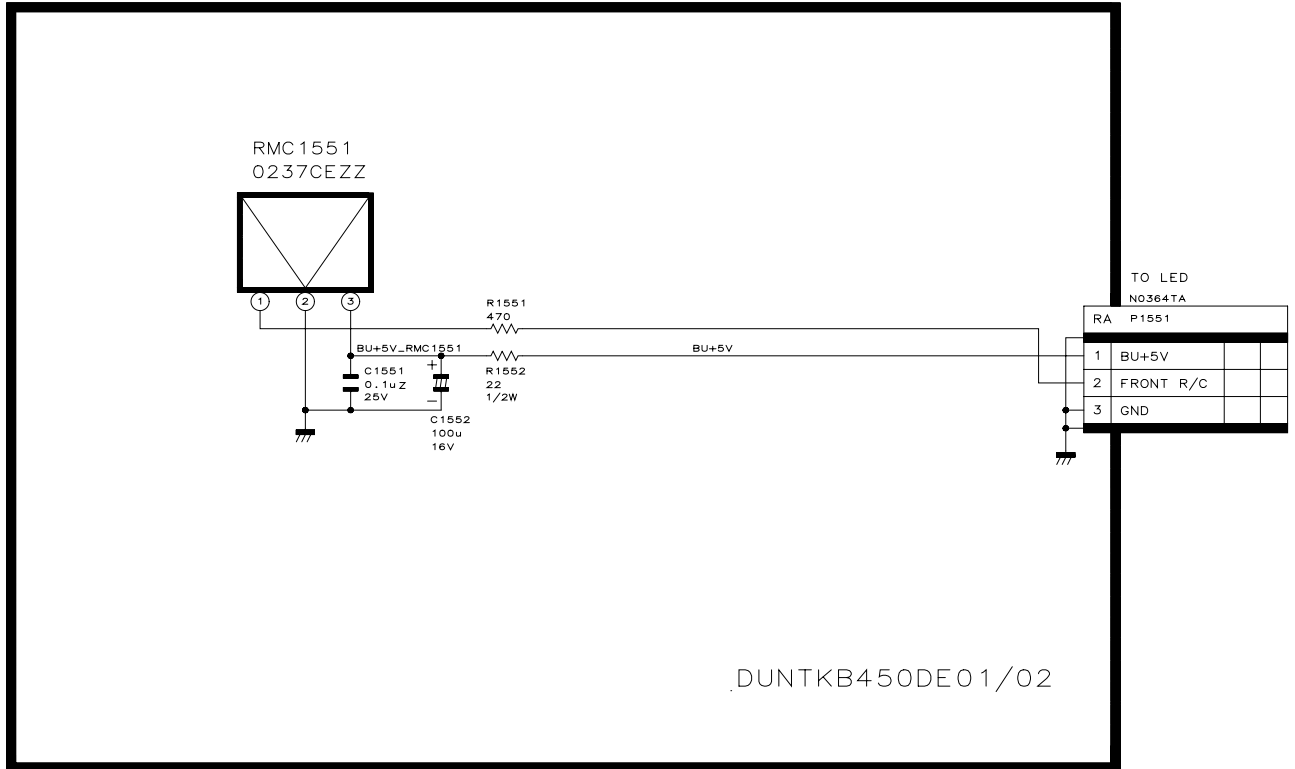
LED UNIT / DEL EINHEIT



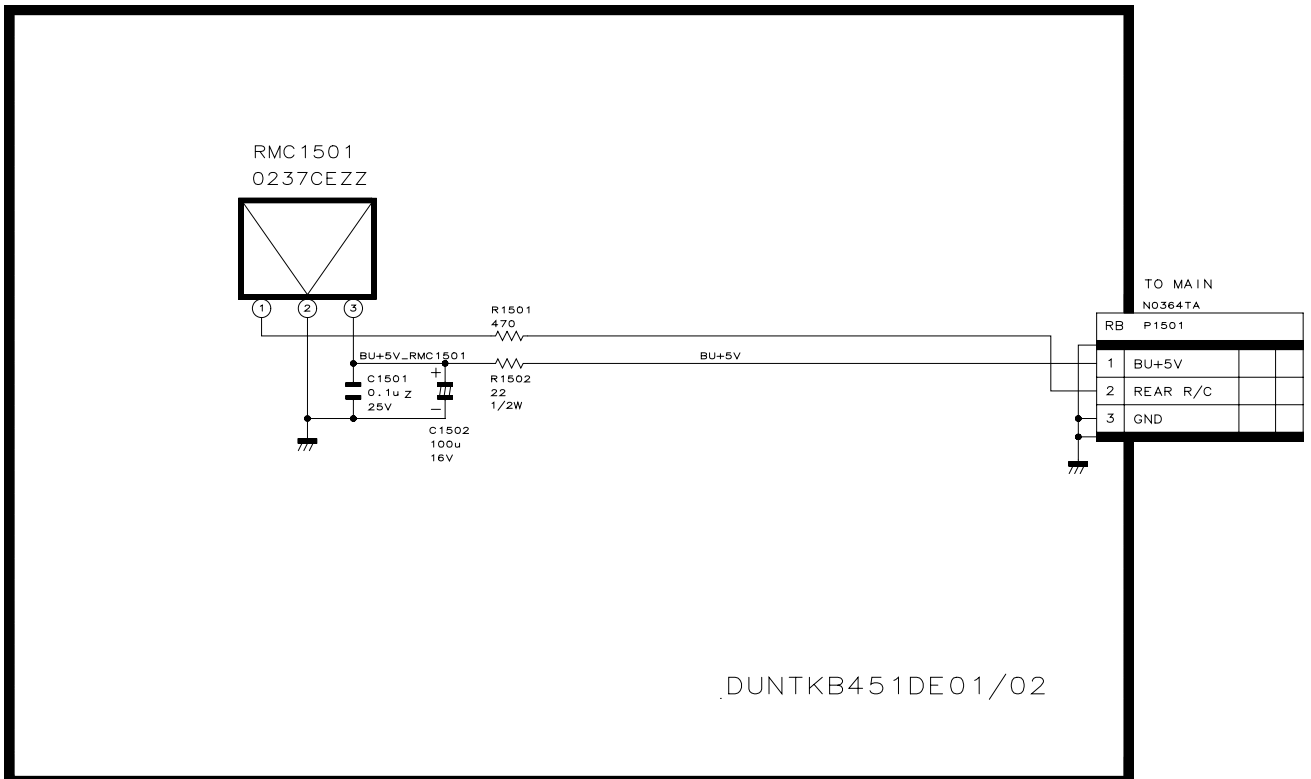
KEY UNIT / SCHLÜSSELEINHEIT



■ FRONT R/C UNIT / VORDERENFERNBEDIENUNSEINHEIT



■ REAR R/C UNIT / RÜCKSEITENFERNBEDIENUNSEINHEIT

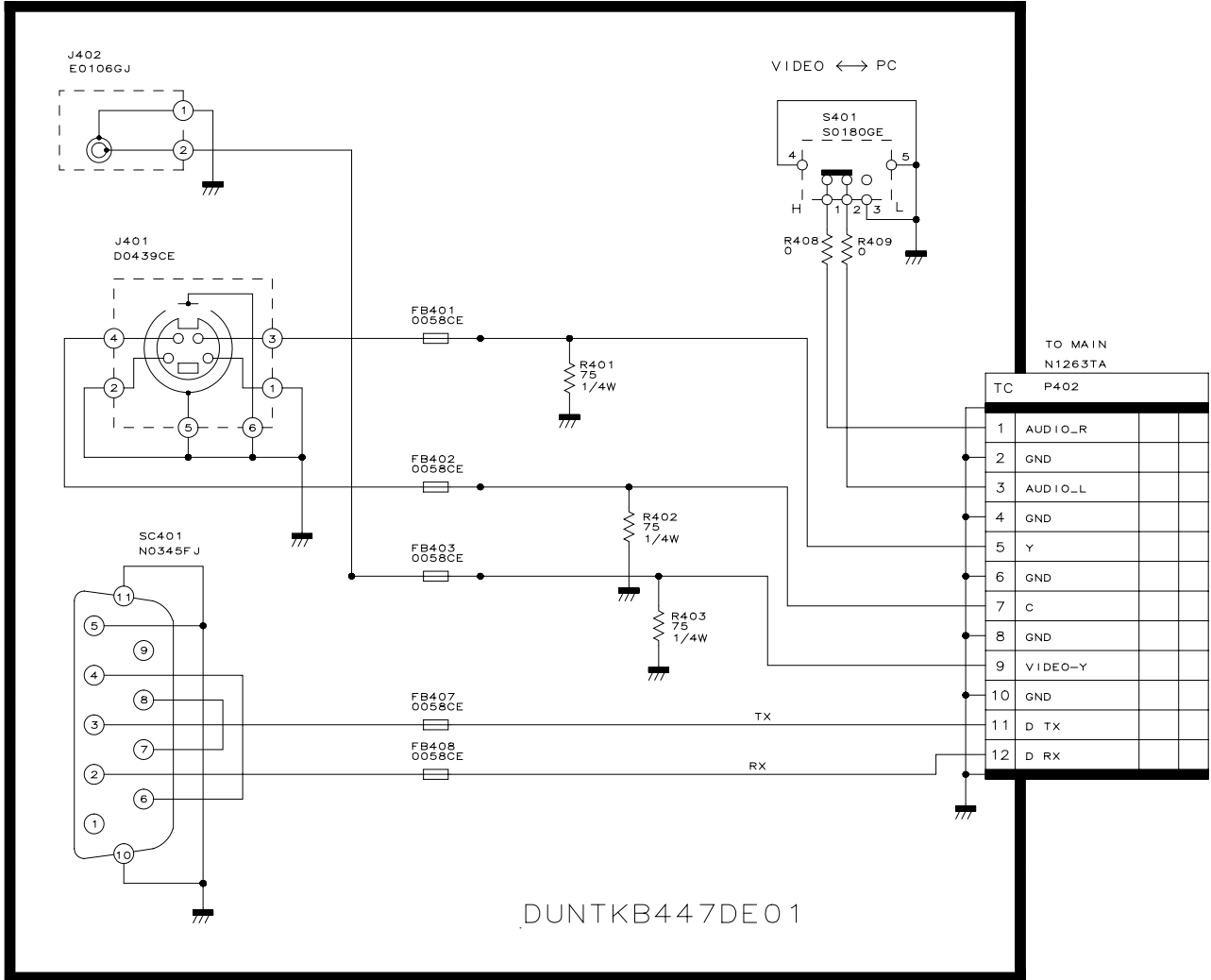


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■ TERMINAL2 UNIT / KLEMME2 EINHEIT

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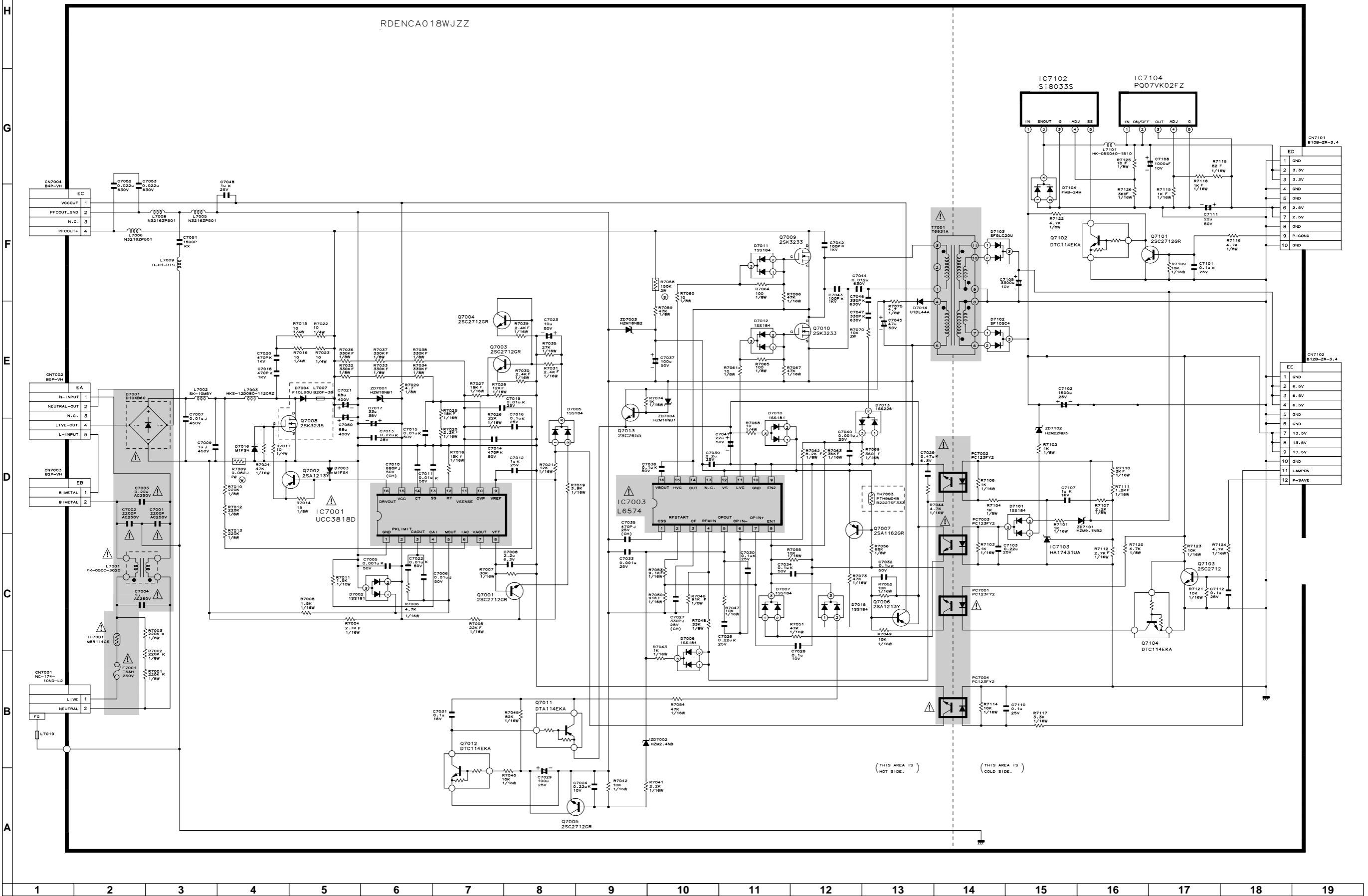


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1 2 3 4 5 6

POWER UNIT / NETZEINHEIT

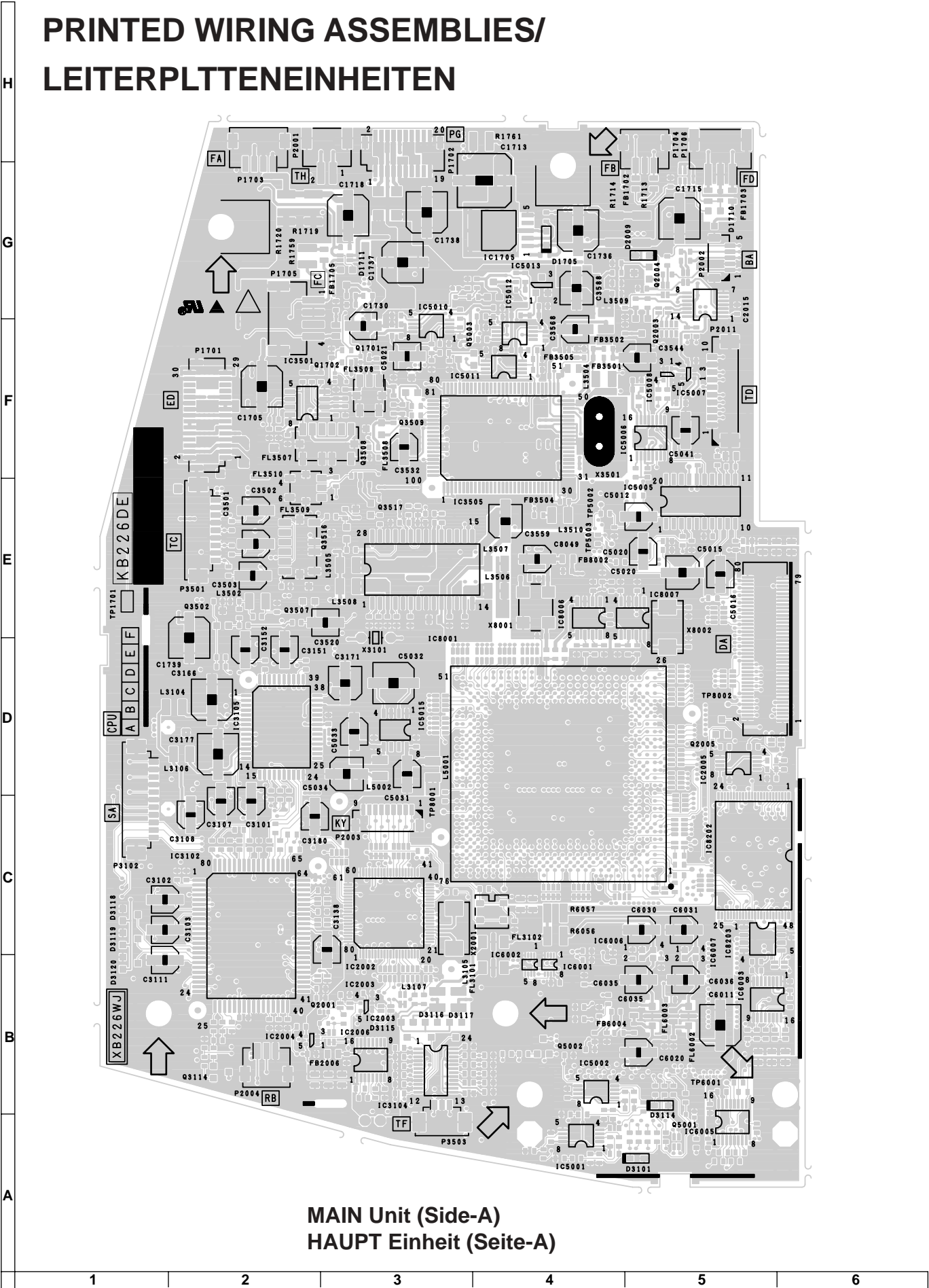
RDENCA018WJZZ



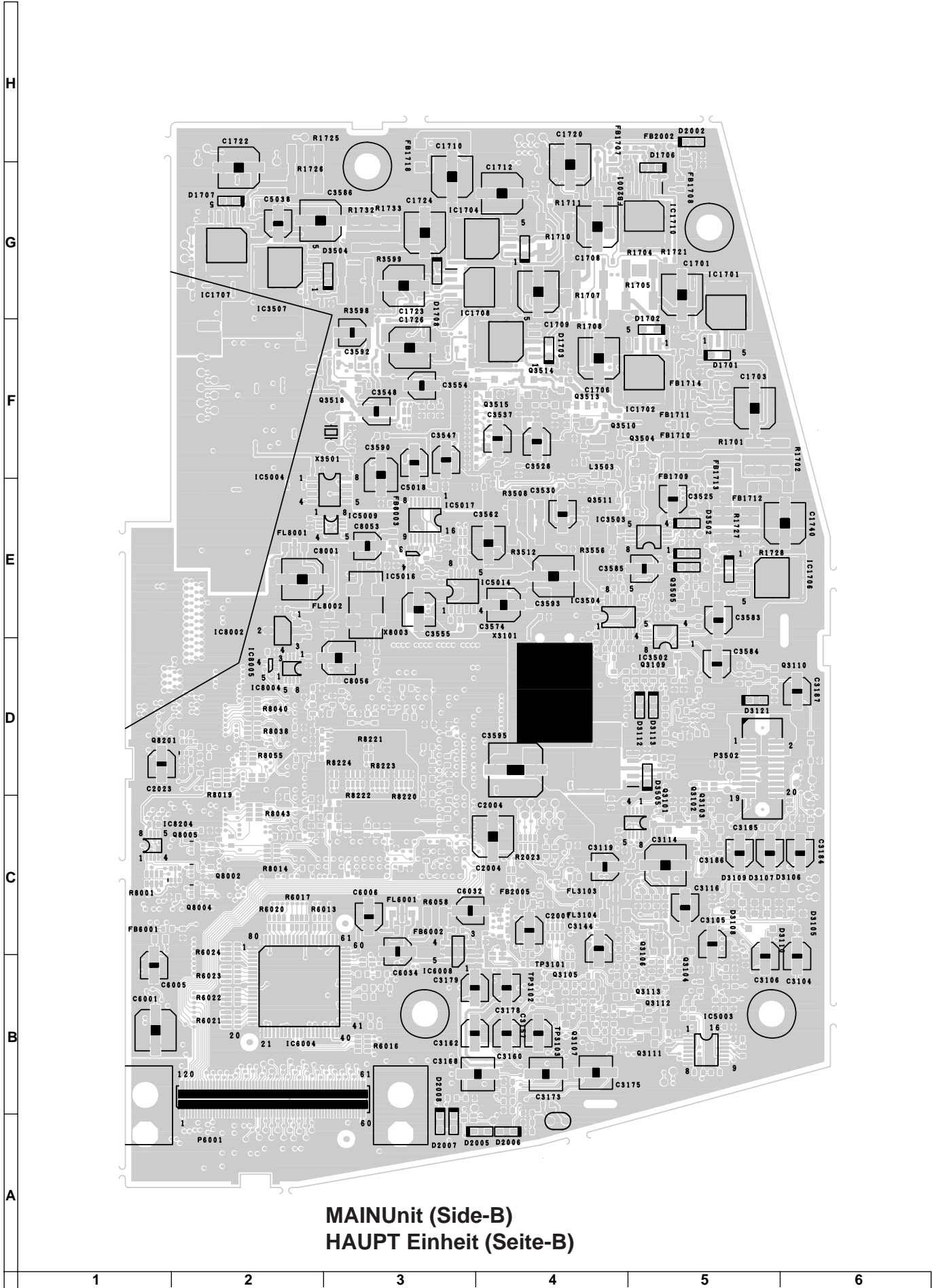
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PRINTED WIRING ASSEMBLIES/ LEITERPLATTENEINHEITEN

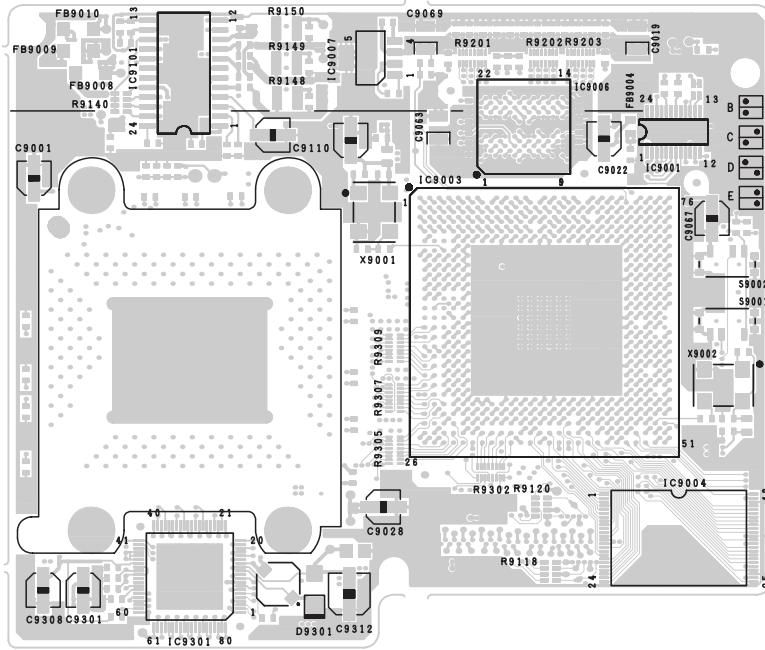


**MAIN Unit (Side-A)
HAUPT Einheit (Seite-A)**

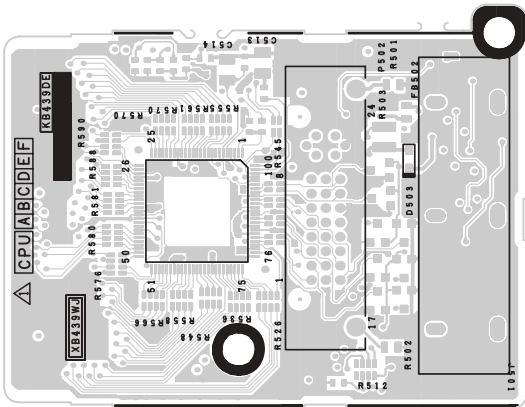


MAIN Unit (Side-B)
HAUPT Einheit (Seite-B)

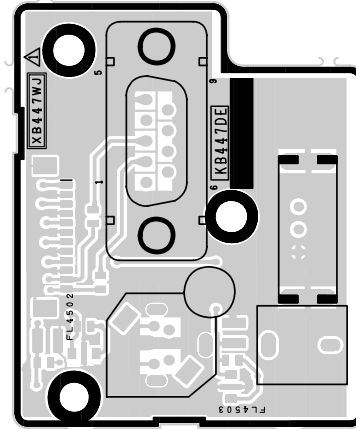
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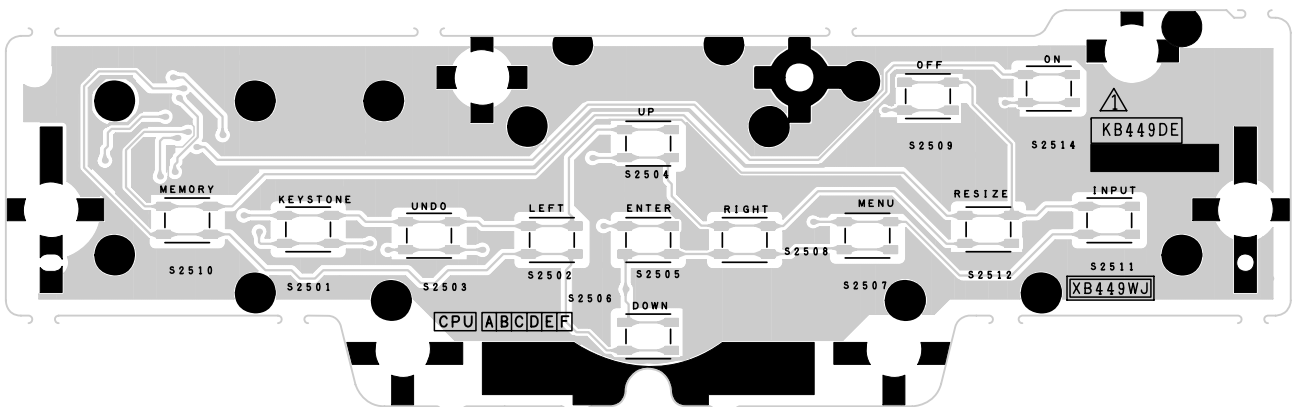
FORMATTER Unit (Side-A)
FORMATIERER Einheit (Seite-A)



DVI-TAN1 Unit (Side-A)
DVI-TAN1 Einheit (Seite-A)

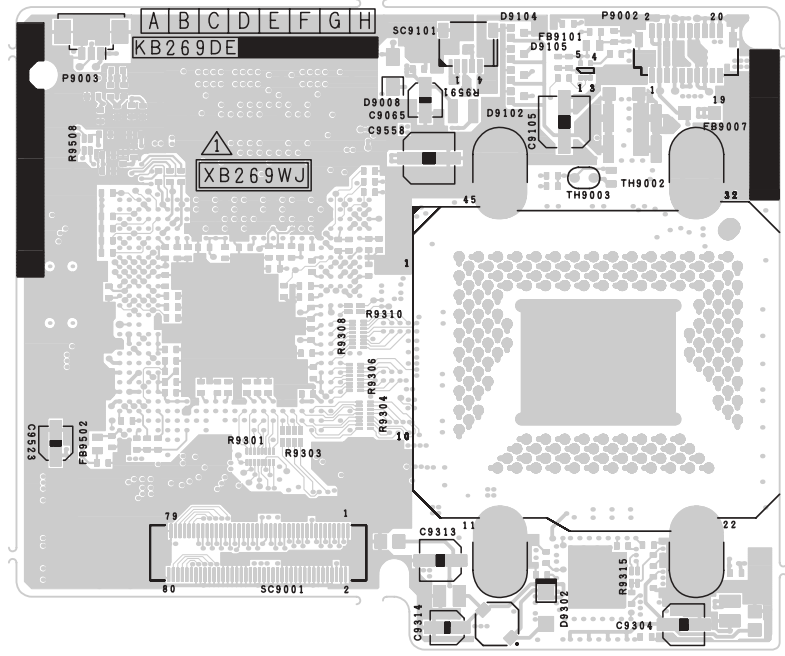


TERMINAL2 Unit (Side-A)
KLEMMEN2 Einheit (Seite-A)

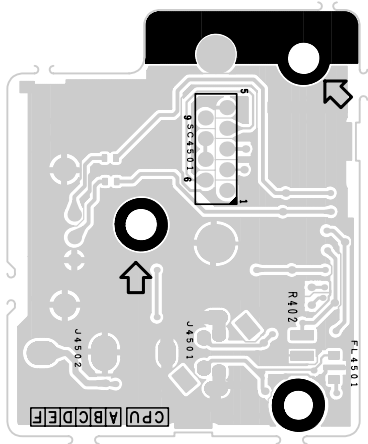


KEY Unit (Side-A)
SCHLÜSSEL Einheit (Seite-A)

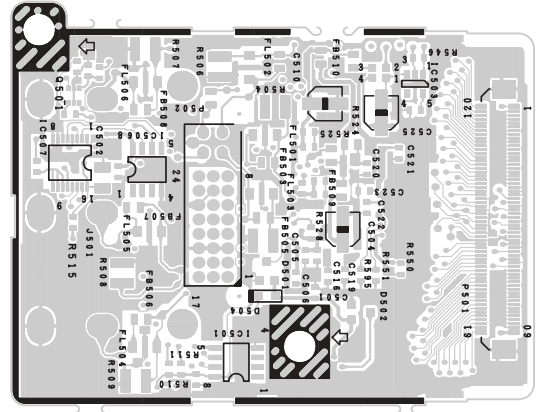
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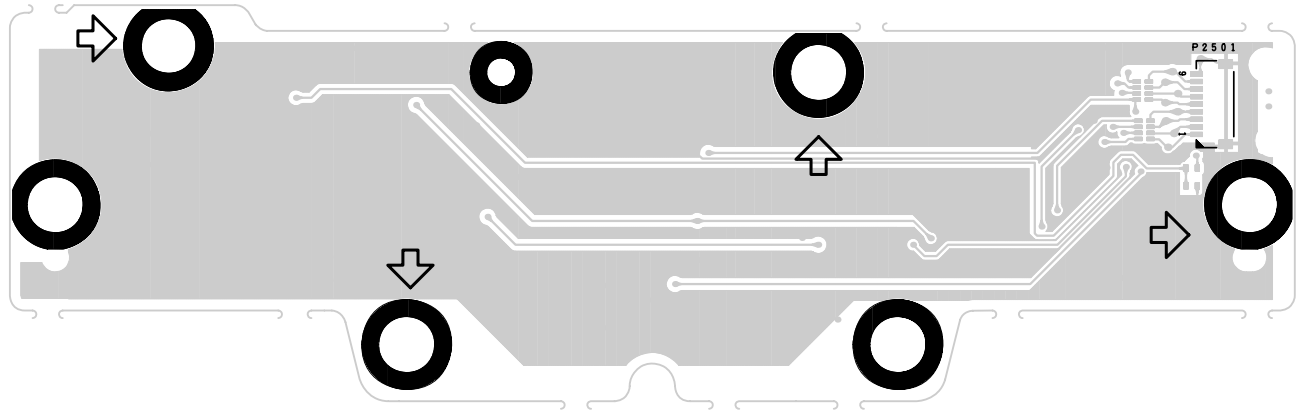
FORMATTER Unit (Side-B)
FORMATIERER Einheit (Seite-B)



TERMINAL2 Unit (Side-B)
KLEMME2 Einheit (Seite-B)

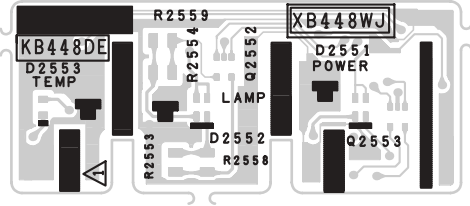


DVI-TAN1 Unit (Side-B)
DVI-TAN1 Einheit (Seite-B)

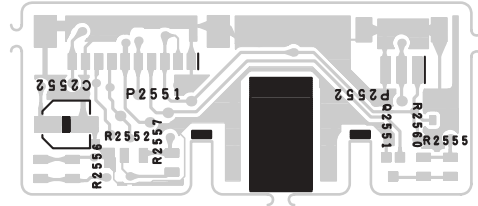


KEY Unit (Side-B)
SCHLÜSSEL Einheit (Seite-B)

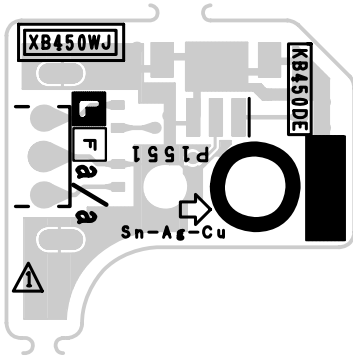
H
G
F
E
D
C
B
A



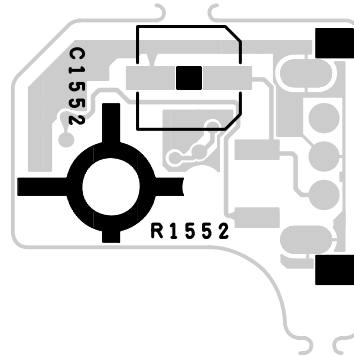
LED Unit (Side-A)
DEL Einheit (Seite-A)



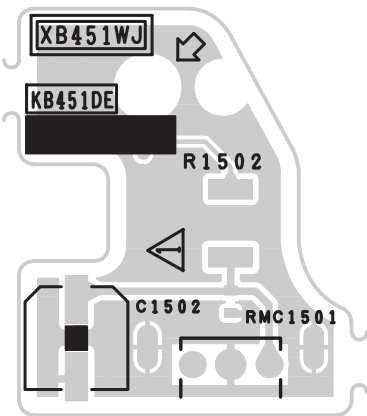
LED Unit (Side-B)
DEL Einheit (Seite-B)



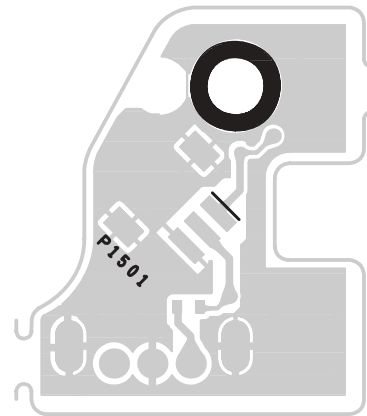
FRONT R/C Unit (Side-A)
FORDERENFERNBEDINUNGSEinheit (Seite-A)



FRONT R/C Unit (Side-B)
FORDERENFERNBEDINUNGSEinheit (Seite-B)

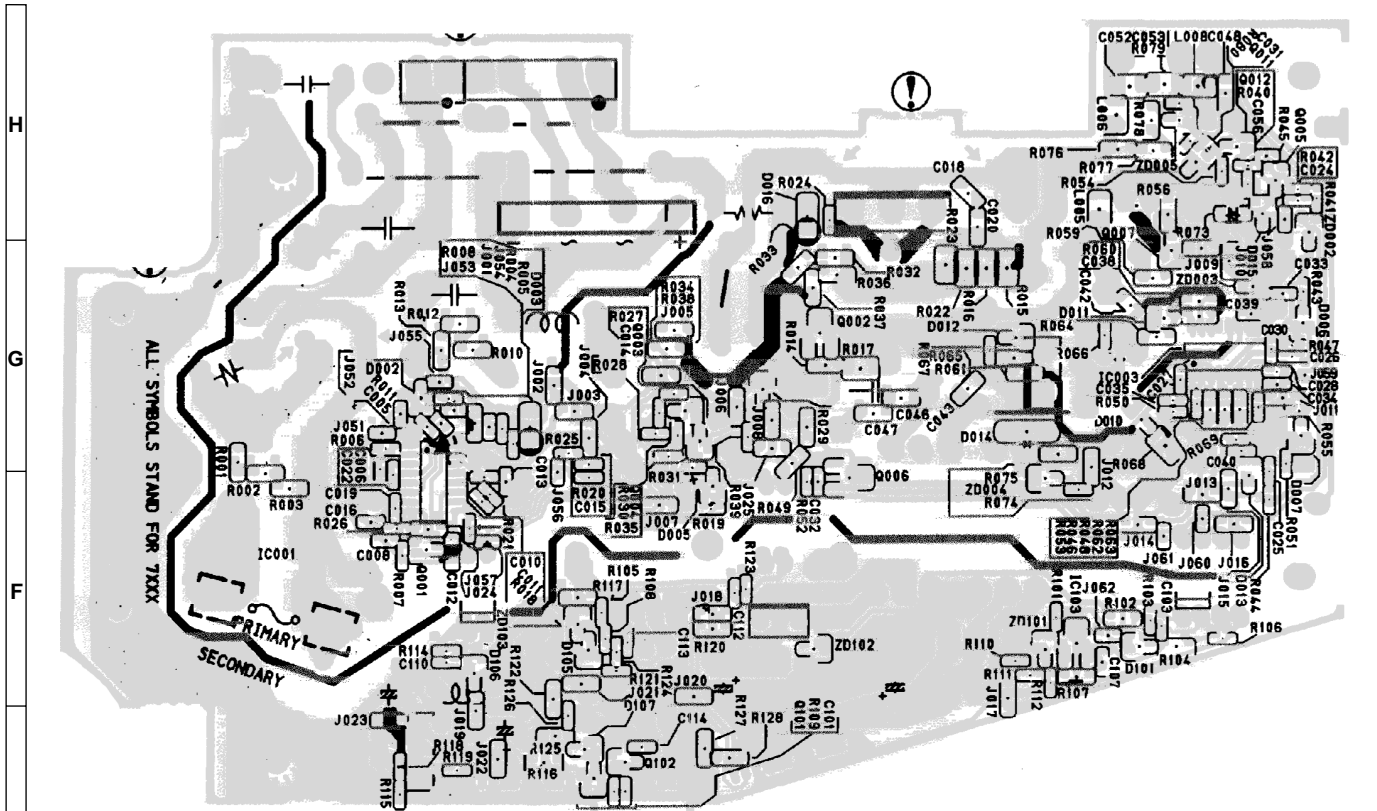


REAR R/C Unit (Side-A)
RÜCKSEITENFERNBEDIENUNSEinheit (Seite-A)

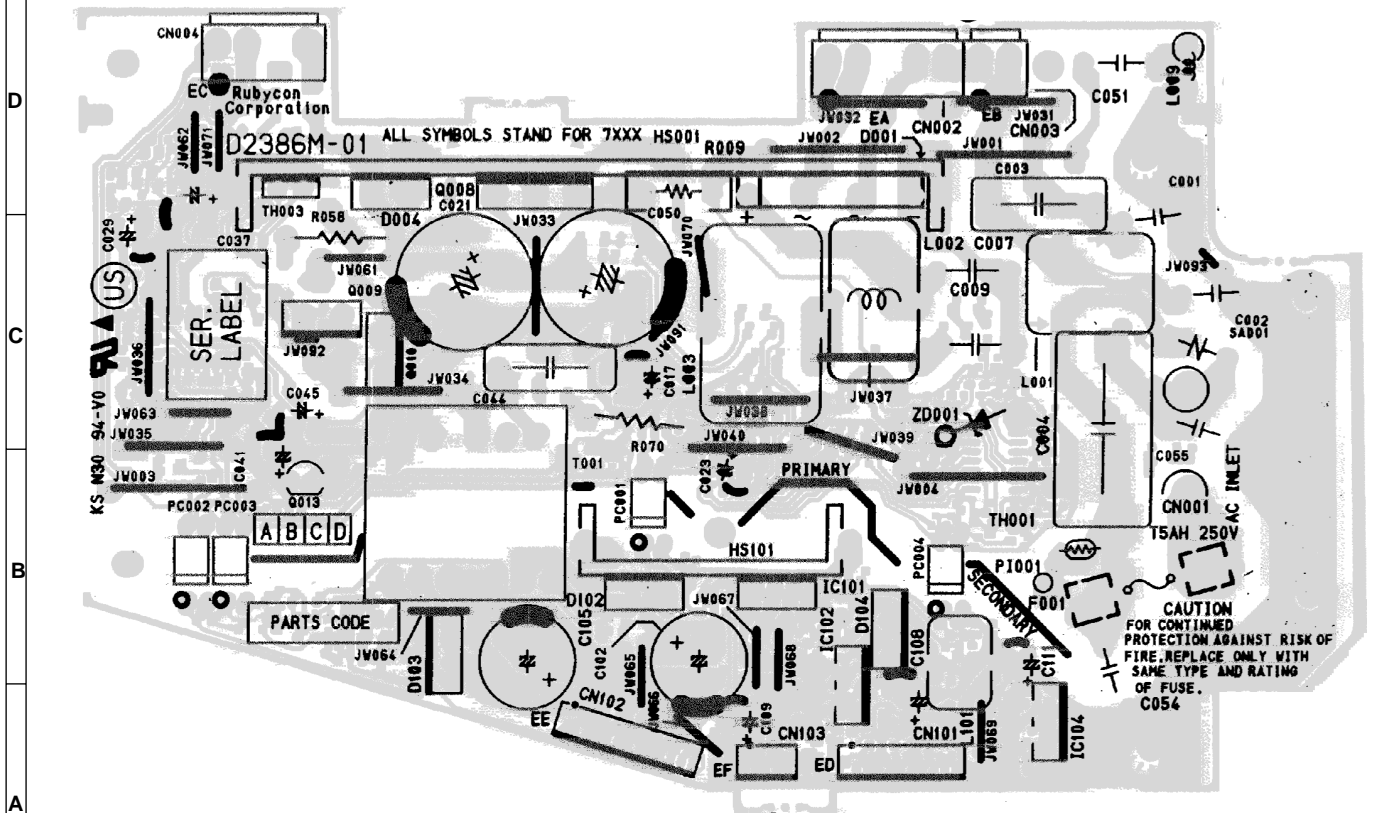


REAR R/C Unit (Side-B)
RÜCKSEITENFERNBEDIENUNSEinheit (Seite-B)

1 2 3 4 5 6



POWER Unit (Side-A)
NETZ Einheit (Seite-A)



POWER Unit (Side-B)
NETZ Einheit (Seite-B)

1	2	3	4	5	6
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PARTS LIST

PARTS REPLACEMENT

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |
| 5. CODE | 6. QUANTITY |

in **USA**: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
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PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

XV-Z90U

DUNTKB226DE01	-	MAIN Unit	—
DUNTKB269DE01	-	FORMATTER Unit	—
DUNTKB439DE01	-	DVI-TAN1 Unit	—
DUNTKB447DE01	-	TERMINAL2 Unit	—
DUNTKB448DE01	-	LED Unit	—
DUNTKB449DE01	-	KEY Unit	—
DUNTKB450DE01	-	FRONT R/C Unit	—
DUNTKB451DE01	-	REAR R/C Unit	—
RDENCA018WJZZ	-	POWER Unit	—
RDENCA019WJZZ	J	BALLAST Unit (Unit Replacement)	BU

DT-200

DUNTKB226DE01	-	MAIN Unit	—
DUNTKB269DE01	-	FORMATTER Unit	—
DUNTKB439DE02	-	DVI-TAN1 Unit	—
DUNTKB447DE02	-	TERMINAL2 Unit	—
DUNTKB448DE02	-	LED Unit	—
DUNTKB449DE02	-	KEY Unit	—
DUNTKB450DE02	-	FRONT R/C Unit	—
DUNTKB451DE02	-	REAR R/C Unit	—
RDENCA018WJZZ	-	POWER Unit	—
RDENCA019WJZZ	J	BALLAST Unit (Unit Replacement)	BU

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschaften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenschaften sind in den Ersatzteil durch "△" gekennzeichnet. Der Gebrauch von Ersatzteilen, die nicht dieselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen und in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATZTEILE BESTELLT"

Damit Ihre Bestellung prompt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

- | | |
|-------------------|-----------------|
| 1. MODELL NR. | 2. REF. NR. |
| 3. ERSATZTEIL NR. | 4. BESCHREIBUNG |
| 5. KODE | 6. QUANTITÄT |

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

Ref. No.	Part No.	★	Description	Code
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DUNTKB226DE01 MAIN UNIT (Continued)

INTEGRATED CIRCUITS

IC1701	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC1702	VHiPQ3DZ13U-1Y	J	PQ3DZ13U	AG
IC1703	VHiPQ025EZ5-1Y	J	PQ025EZ5MZP	AE
IC1704	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC1705	VHiPQ12DZ1U-1Y	J	PQ12DZ1U	AG
IC1706	VHiPQ09DZ1U-1Y	J	PQ09DZ1U	AG
IC1707	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC1708	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC1710	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC2002	VHiTE7780++-1Q	J	IC	AU
IC2003	VHiTC7SH08U-1Y	J	TC7SH08FU	AF
IC2005	VHiTL712CPW-1Y	J	TL712CPWR	AK
IC2006	VHiSP3220E+-1Y	J	SP3220ECY/TR	AM
IC2007	VHiAHCT08PW-1Y	J	SN74AHC08PW	AD
IC3101	VHiSN2G04CT-1Y	J	SN74AHC2G04HDC	AE
IC3102	VHiCXA2101Q-1Q	J	CXA2101AQ-TL	BE
IC3104	VHiAD8183+-1Y	J	AD8183ARU	AW
IC3105	VHiTB1274AF1EQ	J	TB1274AF	AV
IC3501	VHiTK15420/-1Y	J	TK15420MTL	AG
IC3503	VHiNJM2233V-1Y	J	NJM2233V	AE
IC3504	VHiTK15420/-1Y	J	TK15420MTL	AG
IC3505	VHiPD64083+-1Q	J	UPD64083GF-3BA	BC
IC3506	VHiTC90A69F-1Y	J	TC90A69F	AR
IC3507	VHiPQ025EZ5-1Y	J	PQ025EZ5MZP	AE
IC5001	VHiTL712CPW-1Y	J	TL712CPWR	AK
IC5002	VHiTL712CPW-1Y	J	TL712CPWR	AK
IC5003	VHiTHC4538T-1Y	J	TC74HC4538AFT	AL
IC5004	RH-iXA202WJN1Y	J	IC	
IC5005	VHiM52347FP-1Y	J	M52347FP	AK
IC5006	VHiTHC4538T-1Y	J	TC74HC4538AFT	AL
IC5007	VHiTC7S00U/-1Y	J	IC	AC
IC5008	VHiTC7S32U/-1Y	J	TC7S32FU	AE
IC5009	VHi7WH126FU-1Y	J	TC7WH126FU	AD
IC5010	VHiNJM2137V-1Y	J	NJM2137V	AF
IC5011	VHiTL712CPW-1Y	J	TL712CPWR	AK
IC5012	VHiTL712CPW-1Y	J	TL712CPWR	AK
IC5013	VHiLM4040C/-1Y	J	LM4040CIM3X4.1	AK
IC5015	VHiLM2663M+-1Y	J	LM2663MX	AS
IC6001	VHi7WH157FK-1Y	J	TC7WH157FK	AF
IC6002	VHi7WH157FK-1Y	J	TC7WH157FK	AF
IC6004	VHiAD9883A1-1Q	J	AD9883AKST-110	BD

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code	
DUNKB226DE01 MAIN UNIT (Continued)					D2009	RH-EX1244CEZZY	J	Zener Diode	AB	
	IC6005	VHISNCL257P-1Y	J	IC	AK	D3101	RH-EX1247CEZZY	J	Zener Diode	AB
	IC6006	VHIMM3033D+-1Y	J	MM3033DURE	AC	D3105	VHDKDS226/-1Y	J	KDS226	AB
	IC6007	VHIMM3033D+-1Y	J	MM3033DURE	AC	D3106	VHDKDS226/-1Y	J	KDS226	AB
	IC6008	VHIPQ1L333M-1Y	J	IC	AC	D3107	VHDKDS226/-1Y	J	KDS226	AB
	IC8001	VHIPW365+++1Q	J	IC	BX	D3108	VHDKDS226/-1Y	J	KDS226	AB
	IC8002	VHIPST600IM-1Y	J	IC-PST600IMT	AE	D3109	VHDKDS226/-1Y	J	KDS226	AB
	IC8004	VHITC7W14U/-1Y	J	TC7W14FU	AG	D3110	VHDKDS226/-1Y	J	KDS226	AB
	IC8005	VHITC7S32U/-1Y	J	TC7S32FU	AE	D3114	RH-EX1247CEZZY	J	Zener Diode	AB
	IC8202	RH-IXA203WJN1Q	J	IC	AQ	D3115	VHDKDS226/-1Y	J	KDS226	AB
	IC8203	VHIBR24C64F-1Y	J	BR24C64F-E2	AL	D3116	VHDKDS226/-1Y	J	KDS226	AB
	IC8204	VHITC7W66U/-1Y	J	TC7W66FU	AE	D3117	VHDKDS226/-1Y	J	KDS226	AB
TRANSISTORS					D3501	RH-EX1262CEZZY	J	Zener Diode	AB	
	Q1701	VSDTC114EE/-1Y	J	DTC114EE	AB	D3502	RH-EX1262CEZZY	J	Zener Diode	AB
	Q1703	VS2SA1037KQ-1Y	J	2SA1037KQ	AA	D3503	RH-EX1262CEZZY	J	Zener Diode	AB
	Q1704	VSDTC114EE/-1Y	J	DTC114EE	AB	D3504	VHDHSU119/-1Y	J	HSU119	AB
	Q2004	VS2SC3928AR-1Y	J	2SC3928AR	AB	TH2001	RH-HXA001WJZZ	J	Thermister	AD
	Q2005	VS2SA1530AR-1Y	J	2SA1530AR	AB	PACKAGED CIRCUIT				
	Q3101	VS2SC2735//-1Y	J	2SC2735	AB	X2001	RCRSC0141TAZZY	J	Crystal	AG
	Q3102	VS2SC2735//-1Y	J	2SC2735	AB	X3101	RCRSAA025WJZZ	J	Crystal	AE
	Q3103	VS2SC2735//-1Y	J	2SC2735	AB	X3501	RCRSB0258CEZZ	J	Crystal	AG
	Q3104	VS2SC3928AR-1Y	J	2SC3928AR	AB	X8001	RCRUAA012WJZZY	J	Crystal	
	Q3105	VS2SA1530AR-1Y	J	2SA1530AR	AB	X8003	RCRUAA013WJZZY	J	Crystal	
	Q3106	VS2SA1530AR-1Y	J	2SA1530AR	AB	COILS AND FILTERS				
	Q3107	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL3101	RFILNA006WJZZY	J	Filter	AD
	Q3108	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL3102	RFILNA006WJZZY	J	Filter	AD
	Q3109	VS2SC3928AR-1Y	J	2SC3928AR	AB	FL3103	RFILNA006WJZZY	J	Filter	AD
	Q3111	VS2SC3928AR-1Y	J	2SC3928AR	AB	FL3104	RFILNA006WJZZY	J	Filter	AD
	Q3112	VS2SC3928AR-1Y	J	2SC3928AR	AB	FL3507	RCILF0306CEZZY	J	Filter	AH
	Q3113	VS2SC3928AR-1Y	J	2SC3928AR	AB	FL3508	RCILV0108GEZZY	J	Band-Pass Coil	AG
	Q3114	VS2SC3928AR-1Y	J	2SC3928AR	AB	FL3509	RCILF0306CEZZY	J	Filter	AH
	Q3502	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL3510	RCILFA034WJZZY	J	Filter	AD
	Q3504	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL6001	RFILN0130CEZZY	J	Filter	AD
	Q3505	VS2SC3928AR-1Y	J	2SC3928AR	AB	FL6002	RFILN0130CEZZY	J	Filter	AD
	Q3507	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL6003	RFILN0130CEZZY	J	Filter	AD
	Q3508	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL8001	RFILN0003TAZZY	J	Filter	AD
	Q3509	VS2SA1530AR-1Y	J	2SA1530AR	AB	FL8002	RFILN0003TAZZY	J	Filter	AD
	Q3510	VS2SA1530AR-1Y	J	2SA1530AR	AB	L3104	VPCKM4R7JR88NY	J	Peaking 4.7μH	AA
	Q3511	VS2SC3928AR-1Y	J	2SC3928AR	AB	L3105	VPCKM680J6R2NY	J	Peaking 68μH	AA
	Q3514	VS2SA1530AR-1Y	J	2SA1530AR	AB	L3106	VPCKM4R7JR88NY	J	Peaking 4.7μH	AA
	Q3515	VS2SC3928AR-1Y	J	2SC3928AR	AB	L3107	VPCKM680J6R2NY	J	Peaking 68μH	AA
	Q3516	VS2SA1530AR-1Y	J	2SA1530AR	AB	L3502	VPCKM220J2R1NY	J	Peaking 22μH	AA
	Q3517	VS2SA1530AR-1Y	J	2SA1530AR	AB	L3503	VPCKM220J2R1NY	J	Peaking 22μH	AA
	Q3518	VS2SA1530AR-1Y	J	2SA1530AR	AB	L3504	VPCKM5R6JR94NY	J	Peaking 5.6μH	AA
	Q5001	VSDTC114EE/-1Y	J	DTC114EE	AB	L3505	VPCKM101J6R0NY	J	Peaking 100μH	AA
	Q5002	VS2SA1530AR-1Y	J	2SA1530AR	AB	L3506	VPCKM101J6R0NY	J	Peaking 100μH	AA
	Q5003	VS2SC3928AR-1Y	J	2SC3928AR	AB	L3507	VPCKM4R7JR88NY	J	Peaking 4.7μH	AA
	Q8002	VSRN4904//1Y	J	RN4904	AB	L3508	VPCKM220J2R1NY	J	Peaking 22μH	AA
	Q8003	VSHN1K03FU+-1Y	J	HN1K03FU+	AD	L3509	VPCKM100J1R3NY	J	Peaking 10μH	AA
	Q8004	VSRN4904//1Y	J	RN4904	AB	L3510	VPCKM100J1R3NY	J	Peaking 10μH	AA
	Q8005	VSRN4904//1Y	J	RN4904	AB	L5001	VPCKM100J1R3NY	J	Peaking 10μH	AA
	Q8201	VSHN1B04FU/-1Y	J	HN1B04FU	AC	L5002	VPCKM100J1R3NY	J	Peaking 10μH	AA
DIODES AND THERMISTER					CAPACITORS					
	D1701	VHDHSU119/-1Y	J	HSU119	AB	C1701	VCEAPF1CW336MY	J	33 16V Electrolytic	AD
	D1702	VHDHSU119/-1Y	J	HSU119	AB	C1702	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
	D1703	VHDHSU119/-1Y	J	HSU119	AB	C1703	VCEAPF1CW107MY	J	100 16V Electrolytic	AC
	D1704	VHDHSU119/-1Y	J	HSU119	AB	C1704	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
	D1705	VHDHSU119/-1Y	J	HSU119	AB	C1705	VCEAPF1CW107MY	J	100 16V Electrolytic	AC
	D1706	VHDHSU119/-1Y	J	HSU119	AB	C1706	VCEAPF1CW336MY	J	33 16V Electrolytic	AD
	D1707	VHDHSU119/-1Y	J	HSU119	AB	C1707	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
	D1708	VHDHSU119/-1Y	J	HSU119	AB	C1708	VCEAPF1CW107MY	J	100 16V Electrolytic	AC
	D1710	VHDDAN202K/-1Y	J	DAN202K	AB	C1709	VCEAPF1CW476MY	J	47 16V Electrolytic	AC
	D1711	VHDDAN202K/-1Y	J	DAN202K	AB	C1710	VCEAPF1CW336MY	J	33 16V Electrolytic	AD
	D1712	VHDHSU119/-1Y	J	HSU119	AB	C1711	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
	D2002	RH-EX1247CEZZY	J	Zener Diode	AB	C1712	VCEAPF1CW107MY	J	100 16V Electrolytic	AC
	D2005	RH-EX1271CEZZY	J	Zener Diode	AB	C1713	VCAAPD1CJ826MY	J	82 16V Electrolytic	
	D2006	RH-EX1271CEZZY	J	Zener Diode	AB	C1714	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
	D2007	RH-EX1271CEZZY	J	Zener Diode	AB	C1715	VCEAPX1CW227MY	J	220 16V Electrolytic	AD
	D2008	RH-EX1271CEZZY	J	Zener Diode	AB	C1716	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
						C1718	VCEAPF1EW336MY	J	33 25V Electrolytic	AD
						C1719	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
						C1720	VCEAPF1EW226MY	J	22 25V Electrolytic	AD
						C1721	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Description	Code			
DUNTKB226DE01												
MAIN UNIT (Continued)												
C1722	VCEAPF1CW107MY	J	100	16V	Electrolytic	AC	C3147	VCKYCY1HF103ZY	J 0.01	50V	Ceramic	AA
C1723	VCAAPD0JJ127MY	J	120	6.3V	Electrolytic	AF	C3148	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C1724	VCEAPF1EW336MY	J	33	25V	Electrolytic	AD	C3149	VCKYCY1HB103KY	J 0.01	50V	Ceramic	AA
C1725	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3150	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C1726	VCEAPF1EW226MY	J	22	25V	Electrolytic	AD	C3151	VCEAPF1HW474MY	J 0.47	50V	Electrolytic	AC
C1730	VCEAPF0JW226MY	J	22	6.3V	Electrolytic	AB	C3152	VCEAPF1HW225MY	J 2.2	50V	Electrolytic	AB
C1732	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3153	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C1733	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3154	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C1734	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3155	VCKYCY1HB103KY	J 0.01	50V	Ceramic	AA
C1735	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3156	VCKYCY1HB222KY	J 2200p	50V	Ceramic	AA
C1737	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC	C3157	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C1738	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC	C3158	VCCCCY1HH9R0DY	J 9p	50V	Ceramic	AA
C1739	VCEAPF1CW336MY	J	33	16V	Electrolytic	AD	C3159	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C1740	VCEAPF1EW336MY	J	33	25V	Electrolytic	AD	C3160	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C2001	VCKYCY1HF103ZY	J	0.01	50V	Ceramic	AA	C3161	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C2002	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3162	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C2005	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3163	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C2006	VCKYCY1HF103ZY	J	0.01	50V	Ceramic	AA	C3166	VCEAPF0JW107MY	J 100	6.3V	Electrolytic	AC
C2007	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB	C3167	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C2008	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA	C3168	VCE9PF1CW106MY	J 10	16V	Elect. (N,P)	AC
C2009	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA	C3169	VCKYCY1HF103ZY	J 0.01	50V	Ceramic	AA
C2011	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3171	VCEAPF0JW476MY	J 47	6.3V	Electrolytic	AB
C2012	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3173	VCE9PF1CW106MY	J 10	16V	Elect. (N,P)	AC
C2013	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3175	VCE9PF1CW106MY	J 10	16V	Elect. (N,P)	AC
C2014	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3176	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C2015	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3177	VCAAPD0JJ127MY	J 120	6.3V	Electrolytic	AF
C2016	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3178	VCEAPF0JW226MY	J 22	6.3V	Electrolytic	AB
C2017	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3179	VCEAPF0JW226MY	J 22	6.3V	Electrolytic	AB
C2018	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3180	VCEAPF1EW475MY	J 4.7	25V	Electrolytic	AB
C2019	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3181	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C2020	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3182	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C2023	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB	C3183	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3101	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3188	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3102	VCE9PF1HW105MY	J	1	50V	Elect. (N,P)	AC	C3189	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3103	VCE9PF1HW105MY	J	1	50V	Elect. (N,P)	AC	C3191	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3104	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3192	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3105	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3193	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3106	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3194	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3107	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3195	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3108	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3196	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3109	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3197	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3110	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3198	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3111	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB	C3199	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3112	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA	C3200	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3113	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3201	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3114	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC	C3202	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3115	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3203	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3116	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB	C3204	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3117	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3501	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C3118	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3502	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C3119	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB	C3503	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C3120	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3506	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3121	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3507	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3122	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3512	VCCCCY1HH100DY	J 10p	50V	Ceramic	AA
C3123	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3513	VCKYCY1HB103KY	J 0.01	50V	Ceramic	AA
C3124	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3515	VCCCCY1HH120JY	J 12p	50V	Ceramic	AA
C3126	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3516	VCCCCY1HH270JY	J 27p	50V	Ceramic	AA
C3127	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3517	VCCCCY1HH100DY	J 10p	50V	Ceramic	AA
C3131	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3519	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3132	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3520	VCE9PF1HW105MY	J 1	50V	Elect. (N,P)	AC
C3133	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3521	VCCCCY1HH120JY	J 12p	50V	Ceramic	AA
C3134	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3523	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3135	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3524	VCCCCY1HH270JY	J 27p	50V	Ceramic	AA
C3136	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3525	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C3137	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB	C3526	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3138	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB	C3527	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3139	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB	C3528	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C3140	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB	C3529	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3143	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA	C3530	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB
C3144	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB	C3531	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
C3145	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3532	VCEAPF1HW105MY	J 1	50V	Electrolytic	AB
C3146	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA	C3533	VCKYTV1CF105ZY	J 1	16V	Ceramic	AB
							C3534	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
							C3535	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
							C3536	VCKYCY1EF104ZY	J 0.1	25V	Ceramic	AA
							C3537	VCEAPF1CW106MY	J 10	16V	Electrolytic	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB226DE01 MAIN UNIT (Continued)					C5023	VCKYCY1HB222KY	J	2200p 50V	Ceramic AA
C3538	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5024	VCCCCY1HH101JY	J	100p 50V	Ceramic AA
C3539	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5025	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3540	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5026	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3541	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5027	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3542	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5028	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3543	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5030	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3544	VCEAPF0GW476MY	J	47 4V	Electrolytic AB	C5031	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3545	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5032	VCEAPF1CW476MY	J	47 16V	Electrolytic AC
C3546	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5033	VCEAPF1CW106MY	J	10 16V	Electrolytic AB
C3547	VCEAPF0GW476MY	J	47 4V	Electrolytic AB	C5034	VCAAPC0JJ476MY	J	47 6.3V	Electrolytic AD
C3548	VCEAPF0GW476MY	J	47 4V	Electrolytic AB	C5035	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3549	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5036	VCCCCY1HH221JY	J	220p 50V	Ceramic AA
C3550	VCCCCY1HH471JY	J	470p 50V	Ceramic AA	C5037	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3551	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C5038	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3553	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5039	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3554	VCEAPF1HW474MY	J	0.47 50V	Electrolytic AC	C5040	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3555	VCEAPF0JW476MY	J	47 6.3V	Electrolytic AB	C5041	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3556	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5042	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3557	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5043	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3558	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C5044	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3559	VCEAPF0JW476MY	J	47 6.3V	Electrolytic AB	C5048	VCCCCY1HH100DY	J	10p 50V	Ceramic AA
C3560	VCKYCY1HF103ZY	J	0.01 50V	Ceramic AA	C6003	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3561	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6006	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3562	VCEAPF0JW476MY	J	47 6.3V	Electrolytic AB	C6007	VCKYCY1EB473KY	J	0.047 25V	Ceramic AA
C3563	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6008	VCKYCY1EB473KY	J	0.047 25V	Ceramic AA
C3564	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6009	VCKYCY1HB102KY	J	1000p 50V	Ceramic AA
C3565	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6010	VCKYCY1EB473KY	J	0.047 25V	Ceramic AA
C3566	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6011	VCAAPF1AJ566MY	J	56 10V	Electrolytic
C3567	VCCCCY1EH681JY	J	680p 25V	Ceramic AA	C6012	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3568	VCEAPF1CW106MY	J	10 16V	Electrolytic AB	C6013	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3569	VCCCCY1HH220JY	J	22p 50V	Ceramic AA	C6014	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3570	VCCCCY1HH270JY	J	27p 50V	Ceramic AA	C6015	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3571	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C6016	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3572	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6017	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3573	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C6018	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3574	VCEAPF0JW476MY	J	47 6.3V	Electrolytic AB	C6019	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3575	VCKYCY1EB473KY	J	0.047 25V	Ceramic AA	C6020	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3576	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C6021	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3577	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6022	VCKYCY1EB822KY	J	8200p 25V	Ceramic AA
C3578	VCCCCY1HH561JY	J	560p 50V	Ceramic AA	C6023	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3579	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C6024	VCKYCY1CB823KY	J	0.082 16V	Ceramic AH
C3580	VCCCCY1HH821JY	J	820p 50V	Ceramic AB	C6025	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3581	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C6026	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3582	VCKYCY1HB103KY	J	0.01 50V	Ceramic AA	C6027	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3586	VCEAPF1CW107MY	J	100 16V	Electrolytic AC	C6028	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3587	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6029	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3588	VCEAPF0JW476MY	J	47 6.3V	Electrolytic AB	C6030	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3589	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6031	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3590	VCAAPD0GJ686MY	J	68 4V	Electrolytic	C6032	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C3591	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6033	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C3592	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB	C6034	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C5001	VCCCCY1HH330JY	J	33p 50V	Ceramic AA	C6035	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C5002	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C6036	VCEAPF0JW226MY	J	22 6.3V	Electrolytic AB
C5003	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8001	VCAAPC1CJ396MY	J	39 16V	Electrolytic AG
C5004	VCCCCY1HH330JY	J	33p 50V	Ceramic AA	C8003	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5005	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8004	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5006	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8005	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5007	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8006	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5008	VCCCCY1HH330JY	J	33p 50V	Ceramic AA	C8007	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5009	VCCCCY1EH821JY	J	820p 25V	Ceramic AB	C8008	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5010	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8009	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5011	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8010	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5012	VCEAPF1HW105MY	J	1 50V	Electrolytic AB	C8011	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5014	VCKYCY1CB683KY	J	0.068 16V	Ceramic AC	C8012	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5015	VCEAPF1HW475MY	J	4.7 50V	Electrolytic AC	C8013	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5016	VCEAPF1CW106MY	J	10 16V	Electrolytic AB	C8014	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5017	VCFRED1HM152JY	J	1500p 50V	AB	C8015	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5018	VCEAPF1CW106MY	J	10 16V	Electrolytic AB	C8016	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5019	VCCCCY1EH821JY	J	820p 25V	Ceramic AB	C8017	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5020	VCEAPF1HW105MY	J	1 50V	Electrolytic AB	C8018	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5021	VCE9PF1HW474MY	J	0.47 50V	Elect.(N,P) AD	C8019	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
C5022	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	C8020	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
					C8021	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
					C8022	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA
					C8023	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA

Ref. No.	Part No.	★	Description	Code
DUNTKB226DE01 MAIN UNIT (Continued)				
C8024	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8025	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8027	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8029	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8030	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8032	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8034	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8035	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8036	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8037	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8038	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8039	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8040	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8041	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8046	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8047	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8048	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8051	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8052	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8055	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8056	VCAAPC0JJ476MY	J 47	6.3V Electrolytic	AD
C8057	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8058	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8202	VCKYCY1EB223KY	J 0.022	25V Ceramic	AA
C8203	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8204	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C8205	VCCCCY1HH470JY	J 47p	50V Ceramic	AA
C8206	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA

RESISTORS

R1701	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
R1702	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
R1703	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1704	VRS-TX2HF3R3JY	J 3.3	1/2W Metal Oxide	AB
R1705	VRS-TX2HF3R3JY	J 3.3	1/2W Metal Oxide	AB
R1706	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1707	VRS-TX2HF1R5JY	J 1.5	1/2W Metal Oxide	AB
R1708	VRS-TX2HF1R5JY	J 1.5	1/2W Metal Oxide	AB
R1709	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1710	VRS-TX2HF1R5JY	J 1.5	1/2W Metal Oxide	AB
R1711	VRS-TX2HF1R5JY	J 1.5	1/2W Metal Oxide	AB
R1712	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1713	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
R1714	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
R1715	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1716	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1719	VRS-TX2HF2R2JY	J 2.2	1/2W Metal Oxide	AB
R1720	VRS-TX2HF2R2JY	J 2.2	1/2W Metal Oxide	AB
R1721	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1722	VRN-CY1JF333DY	J 33k	1/16W Metal Film	AA
R1723	VRN-CY1JF272DY	J 2.7k	1/16W Metal Film	AA
R1724	VRN-CY1JF103DY	J 10k	1/16W Metal Film	AA
R1725	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
R1726	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
R1727	VRS-TX2HF150JY	J 15	1/2W Metal Oxide	AA
R1728	VRS-TX2HF150JY	J 15	1/2W Metal Oxide	AA
R1731	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1732	VRS-TX2HF2R2JY	J 2.2	1/2W Metal Oxide	AB
R1733	VRS-TX2HF2R2JY	J 2.2	1/2W Metal Oxide	AB
R1734	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1735	VRN-CY1JF333DY	J 33k	1/16W Metal Film	AA
R1736	VRN-CY1JF272DY	J 2.7k	1/16W Metal Film	AA
R1737	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1738	VRN-CY1JF134DY	J 130k	1/16W Metal Film	AA
R1739	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1740	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R1741	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1742	VRS-CA1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R1745	VRS-CA1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R1746	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R1747	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
R1748	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R1751	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1752	VRS-TV1JD000JY	J 0	1/16W Metal Oxide	AA
R1753	VRS-TV1JD000JY	J 0	1/16W Metal Oxide	AA
R1754	VRS-TV1JD000JY	J 0	1/16W Metal Oxide	AA
R1759	VRS-TW2ED240JY	J 24	1/4W Metal Oxide	AA
R1761	VRS-TW2ED430JY	J 43	1/4W Metal Oxide	AA
R1763	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R1768	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R1797	VRS-TV1JD000JY	J 0	1/16W Metal Oxide	AA
R1798	VRS-TV1JD000JY	J 0	1/16W Metal Oxide	AA
R1799	VRS-TV1JD000JY	J 0	1/16W Metal Oxide	AA
R2001	VRS-CY1JF103FY	J 10k	1/16W Metal Oxide	AA
R2002	VRS-CY1JF184JY	J 180k	1/16W Metal Oxide	AA
R2004	VRS-CY1JF183FY	J 18k	1/16W Metal Oxide	AA
R2005	VRN-CY1JF472DY	J 4.7k	1/16W Metal Film	AA
R2007	VRS-CB1JF102JY	J 1k	1/16W Metal Oxide	AA
R2008	VRS-CB1JF100JY	J 10	1/16W Metal Oxide	AA
R2010	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2011	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
R2012	VRS-CA1JF100JY	J 10	1/16W Metal Oxide	AA
R2015	VRS-CB1JF100JY	J 10	1/16W Metal Oxide	AA
R2017	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
R2018	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2019	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2021	VRS-CB1JF102JY	J 1k	1/16W Metal Oxide	AA
R2022	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2023	VRS-CB1JF103JY	J 10k	1/16W Metal Oxide	AA
R2025	VRS-CB1JF100JY	J 10	1/16W Metal Oxide	AA
R2026	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
R2028	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
R2029	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2030	VRS-CA1JF000JY	J 0	1/16W Metal Oxide	AB
R2031	VRS-CY1JF105JY	J 1M	1/16W Metal Oxide	AA
R2032	VRS-CB1JF103JY	J 10k	1/16W Metal Oxide	AA
R2034	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2035	VRS-CA1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R2036	VRS-CA1JF332JY	J 3.3k	1/16W Metal Oxide	AB
R2037	VRS-CA1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R2042	VRS-CA1JF100JY	J 10	1/16W Metal Oxide	AA
R2043	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2044	VRS-CA1JF102JY	J 1k	1/16W Metal Oxide	AA
R2045	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2047	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2049	VRS-CB1JF473JY	J 47k	1/16W Metal Oxide	AC
R2050	VRS-CA1JF101JY	J 100	1/16W Metal Oxide	AA
R2053	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2054	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R2055	VRS-CY1JF822JY	J 8.2k	1/16W Metal Oxide	AA
R2056	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
R2057	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2058	VRS-CY1JF473FY	J 47k	1/16W Metal Oxide	AA
R2059	VRS-CY1JF473FY	J 47k	1/16W Metal Oxide	AA
R2060	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2061	VRS-CA1JF000JY	J 0	1/16W Metal Oxide	AB
R3101	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3102	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3103	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3104	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3105	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3108	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3113	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3115	VRS-CY1JF471JY	J 470	1/16W Metal Oxide	AA
R3117	VRS-CY1JF473FY	J 47k	1/16W Metal Oxide	AA
R3119	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3121	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3122	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3123	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3124	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R3126	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R3129	VRS-CY1JF223FY	J 22k	1/16W Metal Oxide	AA
R3131	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3134	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3136	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R3137	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R3138	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R3139	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB226DE01 MAIN UNIT (Continued)					R3532	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3141	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA	R3533	VRS-CY1JF911JY	J	910 1/16W	Metal Oxide AB
R3142	VRS-CA1JF103JY	J	10k 1/16W	Metal Oxide AA	R3534	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA
R3145	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3536	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R3146	VRS-CA1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R3537	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3148	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R3539	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R3149	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA	R3540	VRS-CY1JF102FY	J	1k 1/16W	Metal Oxide AA
R3153	VRS-CY1JF335JY	J	3.3M 1/16W	Metal Oxide AA	R3541	VRS-TV1JD000JY	J	0 1/16W	Metal Oxide AA
R3154	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3543	VRS-CY1JF391JY	J	390 1/16W	Metal Oxide AA
R3155	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R3544	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3156	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R3545	VRS-CY1JF472FY	J	4.7k 1/16W	Metal Oxide AA
R3157	VRS-CY1JF560JY	J	56 1/16W	Metal Oxide AA	R3548	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3158	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA	R3549	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3160	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3551	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R3161	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R3552	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3162	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3553	VRS-CY1JF681JY	J	680 1/16W	Metal Oxide AA
R3163	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3554	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R3164	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3556	VRS-TV2HF2R2JY	J	2.2 1/2W	Metal Oxide AB
R3165	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3558	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3166	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3559	VRS-CY1JF221JY	J	220 1/16W	Metal Oxide AA
R3167	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA	R3560	VRS-CY1JF821FY	J	820 1/16W	Metal Oxide AA
R3168	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA	R3562	VRS-CY1JF471FY	J	470 1/16W	Metal Oxide AA
R3169	VRS-CY1JF681JY	J	680 1/16W	Metal Oxide AA	R3563	VRS-CY1JF181FY	J	180 1/16W	Metal Oxide AA
R3170	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA	R3564	VRS-CY1JF122JY	J	1.2k 1/16W	Metal Oxide AA
R3171	VRS-CY1JF273JY	J	27k 1/16W	Metal Oxide AA	R3565	VRS-CY1JF471FY	J	470 1/16W	Metal Oxide AA
R3172	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA	R3566	VRS-TV1JD000JY	J	0 1/16W	Metal Oxide AA
R3173	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3567	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R3174	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3568	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA
R3176	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3569	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA
R3177	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA	R3571	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA
R3179	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA	R3572	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3181	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA	R3573	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA
R3183	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA	R3574	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA
R3185	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA	R3575	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R3186	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3576	VRS-CY1JF391JY	J	390 1/16W	Metal Oxide AA
R3187	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3577	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3189	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA	R3578	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3190	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA	R3579	VRS-CY1JF681JY	J	680 1/16W	Metal Oxide AA
R3194	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3580	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R3195	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3583	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R3196	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3584	VRS-CA1JF271JY	J	270 1/16W	Metal Oxide AB
R3206	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3585	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA
R3207	VRS-CY1JF391JY	J	390 1/16W	Metal Oxide AA	R3587	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3208	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA	R3588	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3209	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3589	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3210	VRS-CY1JF391JY	J	390 1/16W	Metal Oxide AA	R3590	VRS-CY1JF331JY	J	330 1/16W	Metal Oxide AA
R3211	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA	R3591	VRS-TV1JD000JY	J	0 1/16W	Metal Oxide AA
R3212	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R3592	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA
R3213	VRS-CY1JF391JY	J	390 1/16W	Metal Oxide AA	R3593	VRS-CY1JF361JY	J	360 1/16W	Metal Oxide AA
R3214	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA	R3595	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3215	VRS-CY1JF221JY	J	220 1/16W	Metal Oxide AA	R3596	VRS-TV1JD000JY	J	0 1/16W	Metal Oxide AA
R3216	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA	R3597	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3501	VRS-CA1JF000JY	J	0 1/16W	Metal Oxide AB	R3598	VRS-TV2HF2R2JY	J	2.2 1/2W	Metal Oxide AB
R3502	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3599	VRS-TV2HF2R2JY	J	2.2 1/2W	Metal Oxide AB
R3503	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R5001	VRS-CY1JF271JY	J	270 1/16W	Metal Oxide AA
R3504	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA	R5002	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3505	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA	R5003	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3506	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R5004	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA
R3507	VRS-CY1JF391FY	J	390 1/16W	Metal Oxide AA	R5005	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA
R3509	VRS-CY1JF222FY	J	2.2k 1/16W	Metal Oxide AA	R5006	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3510	VRS-CY1JF821FY	J	820 1/16W	Metal Oxide AA	R5007	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3514	VRS-CY1JF471FY	J	470 1/16W	Metal Oxide AA	R5008	VRS-CY1JF271JY	J	270 1/16W	Metal Oxide AA
R3515	VRS-CY1JF181FY	J	180 1/16W	Metal Oxide AA	R5009	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3516	VRS-CY1JF122JY	J	1.2k 1/16W	Metal Oxide AA	R5010	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3517	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA	R5011	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA
R3518	VRS-CY1JF471FY	J	470 1/16W	Metal Oxide AA	R5012	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA
R3519	VRS-CY1JF391FY	J	390 1/16W	Metal Oxide AA	R5013	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3520	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R5014	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R3522	VRS-CY1JF911JY	J	910 1/16W	Metal Oxide AB	R5015	VRS-CY1JF123FY	J	12k 1/16W	Metal Oxide AA
R3523	VRS-CY1JF222FY	J	2.2k 1/16W	Metal Oxide AA	R5016	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3525	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA	R5017	VRS-CY1JF822FY	J	8.2k 1/16W	Metal Oxide AA
R3526	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA	R5018	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA
R3527	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R5019	VRS-CY1JF122JY	J	1.2k 1/16W	Metal Oxide AA
R3530	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA	R5020	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA
					R5022	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
					R5024	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA

Ref. No.	Part No.	★	Description	Code
DUNTKB226DE01 MAIN UNIT (Continued)				
R5025	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R5026	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R5027	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R5028	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R5029	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R5030	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R5032	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R5033	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R5034	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R5035	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R5036	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R5037	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R5038	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R5039	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R5041	VRS-CY1JF151FY	J	150 1/16W Metal Oxide	AA
R5042	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R5043	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R5044	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R5045	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R5046	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R5047	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA
R5051	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide	AA
R5052	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R5053	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R5055	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R5056	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R5057	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6008	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6009	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6010	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6011	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R6012	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6013	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6015	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R6016	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R6017	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6020	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6021	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6022	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6023	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6024	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R6025	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6026	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R6027	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R6028	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R6029	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R6030	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R6038	VRS-CA1JF000JY	J	0 1/16W Metal Oxide	AB
R6039	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6040	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6041	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6042	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6043	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6044	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6045	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6046	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6047	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6048	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6049	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6050	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6051	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6052	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R6056	VRS-TW2ED2R2JY	J	2.2 1/4W Metal Oxide	AA
R6057	VRS-TW2ED2R2JY	J	2.2 1/4W Metal Oxide	AA
R6058	VRS-TW2ED2R2JY	J	2.2 1/4W Metal Oxide	AA
R6059	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8001	VRS-CB1JF332JY	J	3.3k 1/16W Metal Oxide	AC
R8004	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R8005	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R8007	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R8010	VRS-CA1JF000JY	J	0 1/16W Metal Oxide	AB
R8011	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R8012	VRS-CB1JF000JY	J	0 1/16W Metal Oxide	AC
R8014	VRS-CB1JF470JY	J	47 1/16W Metal Oxide	AA
R8015	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R8016	VRS-CA1JF470JY	J	47 1/16W Metal Oxide	AB
R8018	VRS-CA1JF000JY	J	0 1/16W Metal Oxide	AB
R8019	VRS-CB1JF332JY	J	3.3k 1/16W Metal Oxide	AC
R8020	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R8021	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R8023	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R8027	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R8030	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8031	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8032	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8033	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8034	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8035	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8036	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8037	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8038	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8039	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8040	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8041	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8042	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8043	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8044	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8045	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R8048	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8049	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8050	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8055	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8056	VRS-CB1JF220JY	J	22 1/16W Metal Oxide	AC
R8057	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R8058	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8059	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8060	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8062	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R8063	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8064	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R8065	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R8067	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R8084	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8086	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8088	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8089	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8091	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R8201	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8202	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R8203	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R8204	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R8205	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R8206	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R8208	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA

SWITCH

S2002	QSW-K0099TAZZY	J	Key Switch	AC
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MISCELLANEOUS PARTS

FB1701	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1702	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1703	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1704	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1705	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1706	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1707	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1708	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1709	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB1710	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB1711	RBLN-0058TAZZY	J	Ferrite Bead	AC
FB1712	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB1713	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB1714	RBLN-0058TAZZY	J	Ferrite Bead	AC
FB1715	RBLN-0058TAZZY	J	Ferrite Bead	AC
FB1716	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB1717	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB1718	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB2001	RBLN-0059CEZZY	J	Ferrite Bead	AB

Ref. No.	Part No.	★	Description	Code
DUNTKB226DE01 MAIN UNIT (Continued)				
FB2002	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2005	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2006	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2007	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB2008	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB2009	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB2010	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB3101	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB3501	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB3502	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB3503	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB3504	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB3505	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB8002	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB8003	RBLN-0210TAZZY	J	Ferrite Bead	AB
P1701	QPLGN0582FJZZY	J	Plug, 30pin(ED)	AE
P1702	QPLGN0581FJZZY	J	Plug, 20pin(PG)	AE
P1703	QPLGN0464TAZZY	J	Plug, 4pin(FA)	AC
P1704	QPLGN0364TAZZY	J	Plug, 3pin(FB)	AC
P1705	QPLGN0176FJZZY	J	Plug, 4pin(FC)	AD
P1706	QPLGN0175FJZZY	J	Plug, 3pin(FD)	AC
P2001	QPLGN0174FJZZY	J	Plug, 2pin(TH)	AC
P2002	QPLGN0055CEZZY	J	Plug, 5pin(BA)	AD
P2003	QPLGN0059CEZZY	J	Plug, 9pin(KY)	AE
P2004	QPLGN0364TAZZY	J	Plug, 3pin(RB)	AC
P2011	QPLGN1058REZZY	J	Plug, 10pin(TD)	AD
P3501	QPLGN0963TAZZY	J	Plug, 9pin(TC)	AD
P3503	QPLGN0363TAZZY	J	Plug, 3pin(TF)	AC
P6001	QCNCW0031CEZZY	J	Plug, 120pin	AM
SC8001	QSOCN8003WJZZY	J	Socket, 80pin(DA)	AM

Ref. No.	Part No.	★	Description	Code
DUNTKB269DE01 FORMATTER UNIT				
INTEGRATED CIRCUITS				
IC9001	VHiTCD83D-1Y	J	CDCR83DBQR	AR
IC9003	RH-iXA089WJZZQ	J	2501963-0004	AA
IC9004	RH-iXA444WJN1Q	J	IC	AQ
IC9006	VHiK4R271T8-1Q	J	K4R271669D-TCS	BC
IC9007	VHiLP3962M1-1Y	J	LP3962EMPX-1.8	AM
IC9101	VHiA8902CLB-1Y	J	A8902CLBATR	BA
IC9102	VHiSNT1G14C-1Y	J	SN74AHCT1G14DC	AD
IC9301	RH-iXA384WJZZQ	J	IC	
DIODES AND THERMISTER				
D9008	VHDSFPA73//2EY	J	SFPA73	AD
D9102	VHDBAT54SWT-1Y	J	BAT54SWT	AC
D9103	VHDBAT54SWT-1Y	J	BAT54SWT	AC
D9104	VHDBAT54SWT-1Y	J	BAT54SWT	AC
D9105	VHDBAT54SWT-1Y	J	BAT54SWT	AC
D9301	VHDSFPB76//2EY	J	SFPB76	AD
D9302	VHDSFPB76//2EY	J	SFPB76	AD
TH9003	RH-HXA001WJZZ	J	Thermister	AD
PACKAGED CIRCUIT AND COILS				
X9001	RCRUAA041WJZZY	J	Crystal	
X9002	RCRUAA042WJZZY	J	Crystal	
L9301	RCiLP0325TAZZY	J	Peaking Coil	AC
L9302	RCiLP0325TAZZY	J	Peaking Coil	AC
CAPACITORS				
C9001	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C9002	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9003	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9004	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9006	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9007	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9008	VCCCCY1HH680JY	J	68p 50V Ceramic	AA
C9009	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9010	VCCCCY1HH680JY	J	68p 50V Ceramic	AA
C9011	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9013	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9014	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9015	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9016	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9019	VCSNDE0GP107MY	J	100 4V	AF
C9021	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9022	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C9023	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9024	VCCCCY1HH680JY	J	68p 50V Ceramic	AA
C9025	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9026	VCCCCY1HH680JY	J	68p 50V Ceramic	AA
C9027	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9028	VCEAPF1HW105MY	J	1 50V Electrolytic	AB
C9029	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9030	VCCCCY1HH4R0CY	J	4p 50V Ceramic	AA
C9032	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9034	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9035	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9036	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9038	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9041	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9042	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9043	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9044	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9045	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9050	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9053	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9055	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C9057	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9059	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9061	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9062	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C9063	VCSNDE0GP107MY	J	100 4V	AF

Ref. No.	Part No.	★	Description	Code
DUNTKB269DE01				
FORMATTER UNIT (Continued)				
C9065	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C9067	VCAAPC1AJ106MY	J 10	10V Electrolytic	AE
C9069	VCSNDE0GP107MY	J 100	4V	AF
C9071	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9072	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9073	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9102	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9103	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9104	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9105	VCAAPC1CJ396MY	J 39	16V Electrolytic	AG
C9106	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9107	VCKYCY1HB332KY	J 3300p	50V Ceramic	AA
C9108	VCKYCY1HB332KY	J 3300p	50V Ceramic	AA
C9109	VCKYCY1HB562KY	J 5600p	50V Ceramic	AA
C9110	VCEAPF1HW105MY	J 1	50V Electrolytic	AB
C9111	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9112	VCKYCY1HF224ZY	J 0.22	50V Ceramic	AA
C9113	VCKYCY1HB562KY	J 5600p	50V Ceramic	AA
C9115	VCKYCY1AB154KY	J 0.15	10V Ceramic	AB
C9116	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C9117	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C9118	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
C9302	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9303	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9305	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9306	VCKYCY1HF104ZY	J 0.1	50V Ceramic	AA
C9307	VCKYCY1HF104ZY	J 0.1	50V Ceramic	AA
C9308	VCEAPF1HW105MY	J 1	50V Electrolytic	AB
C9309	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9310	VCKYCY1HF104ZY	J 0.1	50V Ceramic	AA
C9311	VCKYCY1HF104ZY	J 0.1	50V Ceramic	AA
C9314	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C9315	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9316	RC-KZ0046TAZZY	J 4.7	35V Ceramic	AD
C9317	RC-KZ0046TAZZY	J 4.7	35V Ceramic	AD
C9319	RC-KZA048WJZZY	J	Ceramic	AD
C9320	RC-KZ0046TAZZY	J 4.7	35V Ceramic	AD
C9321	VCKYCY1HF224ZY	J 0.22	50V Ceramic	AA
C9503	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9505	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9510	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9511	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9513	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9514	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9515	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9516	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9517	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9519	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9520	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9521	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9522	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9523	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C9524	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9525	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9528	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9529	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9530	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9531	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9532	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9533	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9535	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9536	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9537	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9538	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9542	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9544	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9545	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9546	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9547	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9548	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9549	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9550	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C9551	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9552	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9553	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9554	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9555	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9558	VCEAPF0GW227MY	J 220	4V Electrolytic	AD
C9564	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C9565	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA

RESISTORS

R9001	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9003	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R9005	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R9006	VRS-CY1JF111FY	J 110	1/16W Metal Oxide	AA
R9007	VRS-CY1JF111FY	J 110	1/16W Metal Oxide	AA
R9008	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R9010	VRS-CY1JF560FY	J 56	1/16W Metal Oxide	AA
R9011	VRS-CY1JF560FY	J 56	1/16W Metal Oxide	AA
R9116	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9118	VRS-CB1JF101JY	J 100	1/16W Metal Oxide	AA
R9120	VRS-CB1JF101JY	J 100	1/16W Metal Oxide	AA
R9131	VRS-CY1JF184JY	J 180k	1/16W Metal Oxide	AA
R9132	VRN-CY1JF472DY	J 4.7k	1/16W Metal Film	AA
R9135	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R9136	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
R9137	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R9138	VRS-CY1JF220FY	J 22	1/16W Metal Oxide	AA
R9140	VRS-CB1JF102JY	J 1k	1/16W Metal Oxide	AA
R9141	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9143	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9145	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9147	VRS-CY1JF305JY	J 3M	1/16W Metal Oxide	AA
R9148	VRS-TW2ED151JY	J 150	1/4W Metal Oxide	AA
R9149	VRS-TW2ED151JY	J 150	1/4W Metal Oxide	AA
R9150	VRS-TW2ED151JY	J 150	1/4W Metal Oxide	AA
R9201	VRK-CD1JJ390FY	J 39	1/16W Metal Composition	AC
R9202	VRK-CD1JJ390FY	J 39	1/16W Metal Composition	AC
R9203	VRK-CD1JJ390FY	J 39	1/16W Metal Composition	AC
R9204	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
R9205	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
R9206	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
R9207	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
R9301	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9302	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9303	VRS-CB1JF220JY	J 22	1/16W Metal Oxide	AC
R9304	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9305	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9306	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9307	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9308	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9309	VRS-CF1JP220JY	J 22	1/16W Metal Oxide	AC
R9310	VRS-CA1JF220JY	J 22	1/16W Metal Oxide	AA
R9312	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9315	VRS-CA1JF102JY	J 1k	1/16W Metal Oxide	AA
R9316	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9319	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R9502	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R9503	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R9506	VRS-CY1JF240FY	J 24	1/16W Metal Oxide	AA
R9507	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R9508	VRS-CA1JF102JY	J 1k	1/16W Metal Oxide	AA
R9509	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R9510	VRS-CY1JF240FY	J 24	1/16W Metal Oxide	AA
R9512	VRS-CY1JF222JY	J 2.2k	1/16W Metal Oxide	AA
R9518	VRS-CY1JF240FY	J 24	1/16W Metal Oxide	AA
R9522	VRS-CA1JF103JY	J 10k	1/16W Metal Oxide	AA
R9532	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R9542	VRS-CY1JF111FY	J 110	1/16W Metal Oxide	AA
R9554	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R9559	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R9560	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R9562	VRS-CY1JF330FY	J 33	1/16W Metal Oxide	AA
R9565	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA

Ref. No. Part No. ★ Description Code

DUNTKB269DE01
FORMATTER UNIT (Continued)

R9567	VRS-CY1JF121FY	J	120	1/16W	Metal Oxide	AA
R9569	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R9574	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R9575	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R9591	VRS-TW2ED000JY	J	0	1/4W	Metal Oxide	AB
R9592	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA

SWITCHES

S9001	QSW-S0203TAZZY	J			Slide Switch	AD
S9002	QSW-S0203TAZZY	J			Slide Switch	AD

MISCELLANEOUS PARTS

FB9004	RBLN-0210TAZZY	J			Ferrite Bead	AB
FB9005	RBLN-0210TAZZY	J			Ferrite Bead	AB
FB9006	RBLN-0061TAZZY	J			Ferrite Bead	AD
FB9007	RBLN-0095CEZZY	J			Ferrite Bead	AD
FB9008	RBLN-0095CEZZY	J			Ferrite Bead	AD
FB9009	RBLN-0095CEZZY	J			Ferrite Bead	AD
FB9101	RBLN-0210TAZZY	J			Ferrite Bead	AB
FB9102	RBLN-0095CEZZY	J			Ferrite Bead	AD
FB9502	RBLN-0210TAZZY	J			Ferrite Bead	AB
FB9507	RBLN-0210TAZZY	J			Ferrite Bead	AB
P9002	QPLGN0581FJZZY	J			Plug, 20pin(PG)	AE
P9003	QPLGN0363TAZZY	J			Plug, 3pin(DB)	AC
SC9001	QSOCN8003WJZZY	J			Socket, 80pin(DA)	AM
SC9101	QCNCW0040CEZZY	J			Socket, 4pin(DD)	AA

Ref. No. Part No. ★ Description Code

DUNTKB439DE01 (XV-Z90U)
DUNTKB439DE02 (DT-200)
DVI-TAN1 UNIT

INTEGRATED CIRCUITS

IC501	VHi24LC21/-1Y	J			24LC21T-I/SN	AH
IC502	VHiSii169+-1Q	J			IC	BA
IC503	VHiPST3620N-1Y	J			PST3620NR	AC
IC505	VHiMM3033D+-1Y	J			MM3033DURE	AC
IC506	VHi24LC21/-1Y	J			24LC21T-I/SN	AH
IC507	VHiBU4053V/-1Y	J			BU4053BCFV-E2	AE

TRANSISTOR

Q501	VSHN1K03FU+-1Y	J			HN1K03FU+	AD
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DIODES

D503	VHDHSU119/-1Y	J			HSU119	AB
D504	VHDHSU119/-1Y	J			HSU119	AB
D505	VHDMA157A/-1Y	J			MA157A	AC
D506	VHDMA157A/-1Y	J			MA157A	AC
D507	VHDMA157A/-1Y	J			MA157A	AC
D508	VHDMA157A/-1Y	J			MA157A	AC
D509	VHDMA157A/-1Y	J			MA157A	AC
D510	VHDMA157A/-1Y	J			MA157A	AC
D511	VHDMA157A/-1Y	J			MA157A	AC
D512	VHDMA157A/-1Y	J			MA157A	AC

CAPACITORS

C501	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C502	RC-KZ0044TAZZY	J	4.7	10V	Ceramic	AD
C503	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C504	VCEAPF1EW475MY	J	4.7	25V	Electrolytic	AB
C505	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C506	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C507	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C508	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C509	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C510	VCEAPF0JW226MY	J	22	6.3V	Electrolytic	AB
C511	VCKYCY0JB105KY	J	1	6.3V	Ceramic	AC
C512	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C513	RC-KZ0097TAZZY	J	10	10V	Ceramic	AB
C514	RC-KZ0097TAZZY	J	10	10V	Ceramic	AB
C516	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C517	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C518	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C519	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C520	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C521	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C522	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C523	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C524	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C525	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB

RESISTORS

R501	VRS-TV1JD000JY	J	0	1/16W	Metal Oxide	AA
R502	VRS-TV1JD000JY	J	0	1/16W	Metal Oxide	AA
R503	VRS-TW2ED101JY	J	100	1/4W	Metal Oxide	AA
R504	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R505	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R506	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R507	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R508	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R509	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R510	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R511	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R512	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R513	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R514	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R515	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R524	VRS-TV1JD000JY	J	0	1/16W	Metal Oxide	AA
R525	VRS-TV1JD000JY	J	0	1/16W	Metal Oxide	AA
R526	VRS-CB1JF151JY	J	150	1/16W	Metal Oxide	AC
R528	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R530	VRS-CY1JF391JY	J	390	1/16W	Metal Oxide	AA
R531	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKB439DE01 (XV-Z90U)				
DUNTKB439DE02 (DT-200)				
DVI-TAN1 UNIT (Continued)				
R532	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R536	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R541	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R546	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
R548	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R549	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R551	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R555	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R558	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R561	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R562	VRS-CA1JF000JY	J 0	1/16W Metal Oxide	AB
R563	VRS-CA1JF000JY	J 0	1/16W Metal Oxide	AB
R564	VRS-CA1JF000JY	J 0	1/16W Metal Oxide	AB
R565	VRS-CA1JF000JY	J 0	1/16W Metal Oxide	AB
R566	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R570	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R571	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R572	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
R573	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R574	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
R576	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R580	VRS-CB1JF560JY	J 56	1/16W Metal Oxide	AA
R581	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R588	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R590	VRS-CB1JF151JY	J 150	1/16W Metal Oxide	AC
R595	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

FB501	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB502	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB503	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB504	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB505	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB506	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB507	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB508	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB509	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB511	RBLN-0210TAZZY	J	Ferrite Bead	AB
J501	QJAKGA019WJZZ	J	Jack	AE
P501	QCNCM0039CEZZY	J	Plug, 120pin	AK
P502	QSOCNA071WJZZ	J	DVI-Terminal	AG

Ref. No.	Part No.	★	Description	Code
DUNTKB447DE01 (XV-Z90U)				
DUNTKB447DE02 (DT-200)				
TERMINAL2 UNIT				

RESISTORS

R401	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
R402	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
R403	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
R408	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R409	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA

SWITCH

S401	QSW-S0180GEZZ	J	Slide Switch, VIDEO/PC	AC
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MISCELLANEOUS PARTS

FB401	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB402	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB403	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB407	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB408	RBLN-0058CEZZY	J	Ferrite Bead	AB
J401	QSOCD0439CEZZ	J	DIN JACK Socket	AF
J402	QJAKE0106GJZZ	J	Jack	AC
P402	QPLGN1263TAZZY	J	Plug, 12pin(TC)	AD
SC401	QSOCN0345FJZZ	J	RS-232C Terminal	AM

DUNTKB448DE01 (XV-Z90U)
DUNTKB448DE02 (DT-200)
LED UNIT

TRANSISTORS

Q2551	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2552	VSRN1704///-1Y	J	RN1704	AC
Q2553	VSRN1704///-1Y	J	RN1704	AC

DIODES

D2551	RH-PX0210TAZZY	J	Photo Diode	AC
D2552	RH-PX0210TAZZY	J	Photo Diode	AC
D2553	RH-PX0196TAZZY	J	Photo Diode	AC

CAPACITORS

C2551	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2552	VCEAPF1CW106MY	J	10 16V Electrolytic	AB

RESISTORS

R2551	VRS-TV1JD471JY	J	470 1/16W Metal Oxide	AA
R2552	VRS-TV1JD122JY	J	1.2k 1/16W Metal Oxide	AA
R2553	VRS-TV1JD471JY	J	470 1/16W Metal Oxide	AA
R2554	VRS-TV1JD122JY	J	1.2k 1/16W Metal Oxide	AA
R2555	VRS-TV1JD122JY	J	1.2k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

P2551	QPLGN1063TAZZY	J	Plug, 10pin(TD)	AD
P2552	QPLGN0364TAZZY	J	Plug, 3pin(RA)	AC

Ref. No. Part No. ★ Description Code
DUNTKB449DE01 (XV-Z90U)
DUNTKB449DE02 (DT-200)
KEY UNIT

RESISTORS

R2502	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R2503	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R2504	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA

SWITCHES

S2501	QSW-KA001WJZZY	J			Key Switch, KEYSTONE	AD
S2502	QSW-KA001WJZZY	J			Key Switch, LEFT	AD
S2503	QSW-KA001WJZZY	J			Key Switch, UNDO	AD
S2504	QSW-KA001WJZZY	J			Key Switch, UP	AD
S2505	QSW-KA001WJZZY	J			Key Switch, ENTER	AD
S2506	QSW-KA001WJZZY	J			Key Switch, DOWN	AD
S2507	QSW-KA001WJZZY	J			Key Switch, MENU	AD
S2508	QSW-KA001WJZZY	J			Key Switch, RIGHT	AD
S2509	QSW-KA001WJZZY	J			Key Switch, OFF	AD
S2510	QSW-KA001WJZZY	J			Key Switch, MEMORY	AD
S2511	QSW-KA001WJZZY	J			Key Switch, INPUT	AD
S2512	QSW-KA001WJZZY	J			Key Switch, RESIZE	AD
S2514	QSW-KA001WJZZY	J			Key Switch, ON	AD

MISCELLANEOUS PART

P2501	QPLGN0974TAZZY	J			Plug, 9pin(KY)	AD
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DUNTKB450DE01 (XV-Z90U)
DUNTKB450DE02 (DT-200)
FRONT R/C UNIT

CAPACITORS

C1551	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1552	VCEAPF1CW107MY	J	100	16V	Electrolytic	AC

RESISTORS

R1551	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R1552	VRS-TX2HF220JY	J	22	1/2W	Metal Oxide	AB

MISCELLANEOUS PARTS

P1551	QPLGN0364TAZZY	J			Plug, 3pin(RA)	AC
RMC1551	RRMCU0237CEZZ	J			R/C Receiver	AF

DUNTKB451DE01 (XV-Z90U)
DUNTKB451DE02 (DT-200)
REAR R/C UNIT

CAPACITORS

C1501	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1502	VCEAPF1CW107MY	J	100	16V	Electrolytic	AC

RESISTORS

R1501	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R1502	VRS-TX2HF220JY	J	22	1/2W	Metal Oxide	AB

MISCELLANEOUS PARTS

P1501	QPLGN0364TAZZY	J			Plug, 3pin(RB)	AC
RMC1501	RRMCU0237CEZZ	J			R/C Receiver	AF

Ref. No. Part No. ★ Description Code
RDENCA018WJZZ
POWER UNIT

INTEGRATED CIRCUITS

△ IC7001	9HU59350207	J			UCC3818D
△ IC7003	9HU59850007	J			L6574D
IC7102	9HU51300311	J			SI8033S
IC7103	9HU59600007	J			HA17431UA
IC7104	9HU51113011	J			PQ07VK02FZ

TRANSISTORS

Q7001	9HU49120107	J			2SC2712GR
Q7002	9HU49100607	J			2SA1213Y
Q7003	9HU49120107	J			2SC2712GR
Q7004	9HU49120107	J			2SC2712GR
Q7005	9HU49120107	J			2SC2712GR
Q7006	9HU49100607	J			2SA1213Y
Q7007	9HU49100107	J			2SA1162GR
Q7008	9HU42400211	J			2SK3235
Q7009	9HU42400111	J			2SK3233
Q7010	9HU42400111	J			2SK3233
Q7011	9HU49300207	J			DTA114EKA
Q7012	9HU49310007	J			DTC114EKA
Q7013	9HU40221104	J			2SC2655
Q7101	9HU49120107	J			2SC2712GR
Q7102	9HU49310007	J			DTC114EKA

DIODES

△ D7001	9HU33005011	J			D10XB60
D7002	9HU39100007	J			1SS181
D7003	9HU39451507	J			M1FS4
D7004	9HU31125111	J			SF10L60U
D7005	9HU39100107	J			1SS184
D7006	9HU39100107	J			1SS184
D7007	9HU39100107	J			1SS184
D7010	9HU39100007	J			1SS181
D7011	9HU39100107	J			1SS184
D7012	9HU39100107	J			1SS184
D7013	9HU39100307	J			1SS226
D7014	9HU39150107	J			U1DL44A
D7015	9HU39100107	J			1SS184
D7016	9HU39451507	J			M1FS4
D7101	9HU39100107	J			1SS184
D7102	9HU31125311	J			SF10SC4
D7103	9HU31121011	J			SF5LC20U
D7104	9HU31300111	J			FMB-24M
D7107	9HU39100007	J			1SS181
ZD7001	9HU32006801	J			Zener Diode, 18V
ZD7002	9HU39325507	J			Zener Diode, 2.4V
ZD7003	9HU39326707	J			Zener Diode, 18V
ZD7004	9HU39330107	J			Zener Diode, 16V
ZD7005	9HU39325007	J			Zener Diode, 5.6V
ZD7101	9HU39331707	J			Zener Diode, 9.1V
ZD7102	9HU39330607	J			Zener Diode, 24V

COILS AND TRANSFORMERS

△ L7001	9HU60311811	J			FK-050C-3020
L7002	9HU60310011	J			SK-10M5Y
L7003	9HU60306311	J			HKS-12D080-1121RZ
L7005	9HU69400007	J			N3216ZP501
L7006	9HU69400007	J			N3216ZP501
L7008	9HU69400007	J			N3216ZP501
L7009	9HU64100204	J			B-01-RS
L7010	9HU64550511	J			MA055 R-14/77B
L7101	9HU60306411	J			HK-05S040-1510
△ T7001	9HU60131811	J			T23861A

PACKAGED CIRCUIT

△ PC7001	9HU52001611	J			Photo Coupler, PC123
△ PC7002	9HU52001611	J			Photo Coupler, PC123
△ PC7003	9HU52001611	J			Photo Coupler, PC123
△ PC7004	9HU52001611	J			Photo Coupler, PC123
△ TH7001	9HU16511466	J			Thermister, 5.1Ω

Ref. No.	Part No.	★	Description	Code
RDENCA018WJZZ				
POWER UNIT (Continued)				
TH7003	9HU16570611	J	Thermister, PTH9M04BB222TS2F333	
CAPACITORS				
△ C7001	9HU23605266	J	2200p AC250V	TYPE-KX
△ C7002	9HU23605266	J	2200p AC250V	TYPE-KX
△ C7003	9HU22910366	J	0.22 AC250V	
C7004	9HU22910266	J	1 AC250V	
C7005	9HU28220007	J	1000p 50V	
C7006	9HU28220007	J	1000p 50V	
C7007	9HU22900711	J	0.01 450V	
C7008	9HU28145507	J	2.2 6.3V	
C7009	9HU22580011	J	41 450V	
C7010	9HU28202107	J	680p 50V	
C7011	9HU28220607	J	0.01 50V	
C7012	9HU28025007	J	1 25V	
C7013	9HU28125707	J	0.22 25V	
C7014	9HU28202007	J	470p 50V	
C7015	9HU28220607	J	0.01 50V	
C7016	9HU28220907	J	0.1 25V	
C7017	9HU21228105	J	33 35V	
C7018	9HU28320607	J	1000p 630V	
C7019	9HU28220607	J	0.01 50V	
C7020	9HU28320607	J	1000p 630V	
C7021	9HU21517466	J	68 400V	Electrolytic
C7022	9HU28220607	J	0.01 50V	
C7023	9HU21143105	J	10 16V	Electrolytic
C7024	9HU28235007	J	0.22 10V	
C7025	9HU28255007	J	0.47 6.3V	
C7026	9HU28235007	J	0.22 10V	
C7027	9HU28201807	J	330p 50V	
C7028	9HU28220907	J	0.1 25V	
C7029	9HU21226305	J	100 25V	Electrolytic
C7030	9HU28220907	J	0.1 25V	
C7031	9HU28265007	J	0.1 25V	
C7032	9HU28121207	J	0.1 50V	
C7033	9HU28220007	J	1000p 50V	
C7034	9HU28121207	J	0.1 50V	
C7035	9HU28202007	J	470p 50V	
C7037	9HU21470204	J	100 50V	Electrolytic
C7038	9HU28020007	J	0.1 50V	
C7039	9HU28165407	J	2.2 25V	
C7040	9HU28205407	J	1000p 25V	
C7041	9HU21230705	J	22 50V	Electrolytic
C7042	9HU28321407	J	100p 1kV	
C7043	9HU28321407	J	100p 1kV	
C7044	9HU22763266	J	0.012 630V	
C7045	9HU21230905	J	47 50V	
C7046	9HU28320307	J	330p 1kV	
C7047	9HU28320307	J	330p 1kV	
C7048	9HU28025007	J	1 25V	
C7050	9HU21517466	J	68 400V	Electrolytic
C7051	9HU23605166	J	1500p TYPE-KX	
C7052	9HU28326007	J	0.022 630V	
C7053	9HU28326007	J	0.022 630V	
C7054	9HU23604266	J	2200p TYPE-KX	
C7055	9HU23604266	J	2200p TYPE-KX	
C7056	9HU28220907	J	0.1 25V	
C7101	9HU28220907	J	0.1 25V	
C7102	9HU21466704	J	1500 25V	Electrolytic
C7103	9HU28270007	J	0.22 16V	
C7105	9HU21462104	J	3300 10V	Electrolytic
C7107	9HU28130107	J	1 16V	
C7108	9HU21462004	J	1000 10V	
C7110	9HU28265007	J	0.1 25V	
C7111	9HU21230705	J	22 50V	Electrolytic
C7112	9HU28265007	J	0.1 25V	
SA7001	9HU24010104	J	ENE 471D-10A	
RESISTORS				
R7001	9HU18900107	J	220k 1/8W	

Ref. No.	Part No.	★	Description	Code
R7002	9HU18900107	J	220k 1/8W	
R7003	9HU18900107	J	220k 1/8W	
R7004	9HU18030007	J	2.7k 1/16W	
R7005	9HU18030307	J	22k 1/16W	
R7006	9HU18000907	J	4.7k 1/16W	
R7007	9HU18004807	J	30k 1/16W	
R7008	9HU18036907	J	1.5k 1/16W	
R7009	9HU14107311	J	0.082	2W
R7010	9HU18210507	J	220k 1/8W	
R7011	9HU18135607	J	1.5k 1/10W	
R7012	9HU18210507	J	220k 1/8W	
R7013	9HU18210507	J	220k 1/8W	
R7014	9HU18201307	J	33 1/8W	
R7015	9HU18300707	J	18 1/4W	
R7016	9HU18300707	J	18 1/4W	
R7017	9HU18300107	J	10 1/4W	
R7018	9HU18032707	J	15k 1/16W	
R7019	9HU18003307	J	3.9k 1/16W	
R7020	9HU18031507	J	2.2 1/16W	
R7021	9HU18002907	J	12k 1/16W	
R7022	9HU18300707	J	18 1/4W	
R7023	9HU18300707	J	18 1/4W	
R7024	9HU18001007	J	47k 1/16W	
R7025	9HU18031907	J	18k 1/16W	
R7026	9HU18000607	J	22k 1/16W	
R7027	9HU18031907	J	18k 1/16W	
R7028	9HU18031607	J	12k 1/16W	
R7029	9HU18214007	J	4.7 1/8W	
R7030	9HU18033807	J	2.4k 1/16W	
R7031	9HU18033807	J	2.4k 1/16W	
R7032	9HU18240907	J	330k 1/8W	
R7033	9HU18240907	J	330k 1/8W	
R7034	9HU18240907	J	330k 1/8W	
R7035	9HU18002107	J	27k 1/16W	
R7036	9HU18240907	J	330k 1/8W	
R7037	9HU18240907	J	330k 1/8W	
R7038	9HU18240907	J	330k 1/8W	
R7039	9HU18033807	J	2.4k 1/16W	
R7040	9HU18000207	J	10k 1/16W	
R7041	9HU18003907	J	2.2k 1/16W	
R7042	9HU18000207	J	10k 1/16W	
R7043	9HU18001607	J	1k 1/16W	
R7044	9HU18000907	J	4.7k 1/16W	
R7045	9HU18109507	J	82k 1/10W	
R7046	9HU18239607	J	91k 1/8W	
R7047	9HU18000207	J	10k 1/16W	
R7048	9HU18208507	J	33k 1/8W	
R7049	9HU18206807	J	6.2k 1/8W	
R7050	9HU18035907	J	91k 1/16W	
R7051	9HU18001007	J	47k 1/16W	
R7052	9HU18000207	J	10k 1/16W	
R7053	9HU18036107	J	9.1k 1/16W	
R7054	9HU18001007	J	47k 1/16W	
R7055	9HU18000207	J	10k 1/16W	
R7056	9HU18209307	J	68k 1/8W	
R7058	9HU13170924	J	150k 2W	
R7059	9HU18208907	J	47k 1/8W	
R7060	9HU18200107	J	10 1/8W	
R7061	9HU18200107	J	10 1/8W	
R7062	9HU18237107	J	8.2k 1/8W	
R7063	9HU18036407	J	36k 1/16W	
R7064	9HU18202507	J	100 1/8W	
R7065	9HU18202507	J	100 1/8W	
R7066	9HU18001007	J	47k 1/16W	
R7067	9HU18001007	J	47k 1/16W	
R7068	9HU18300107	J	10 1/4W	
R7069	9HU18032807	J	360 1/16W	
R7070	9HU13045124	J	10k 2W	
R7073	9HU18208907	J	47k 1/8W	
R7074	9HU18001607	J	1k 1/16W	
R7075	9HU18214007	J	4.7 1/8W	
R7076	9HU18240907	J	330k 1/8W	
R7077	9HU18240907	J	330k 1/8W	
R7078	9HU18240907	J	330k 1/8W	
R7079	9HU18032707	J	15k 1/16W	
R7080	9HU18001607	J	1k 1/16W	

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
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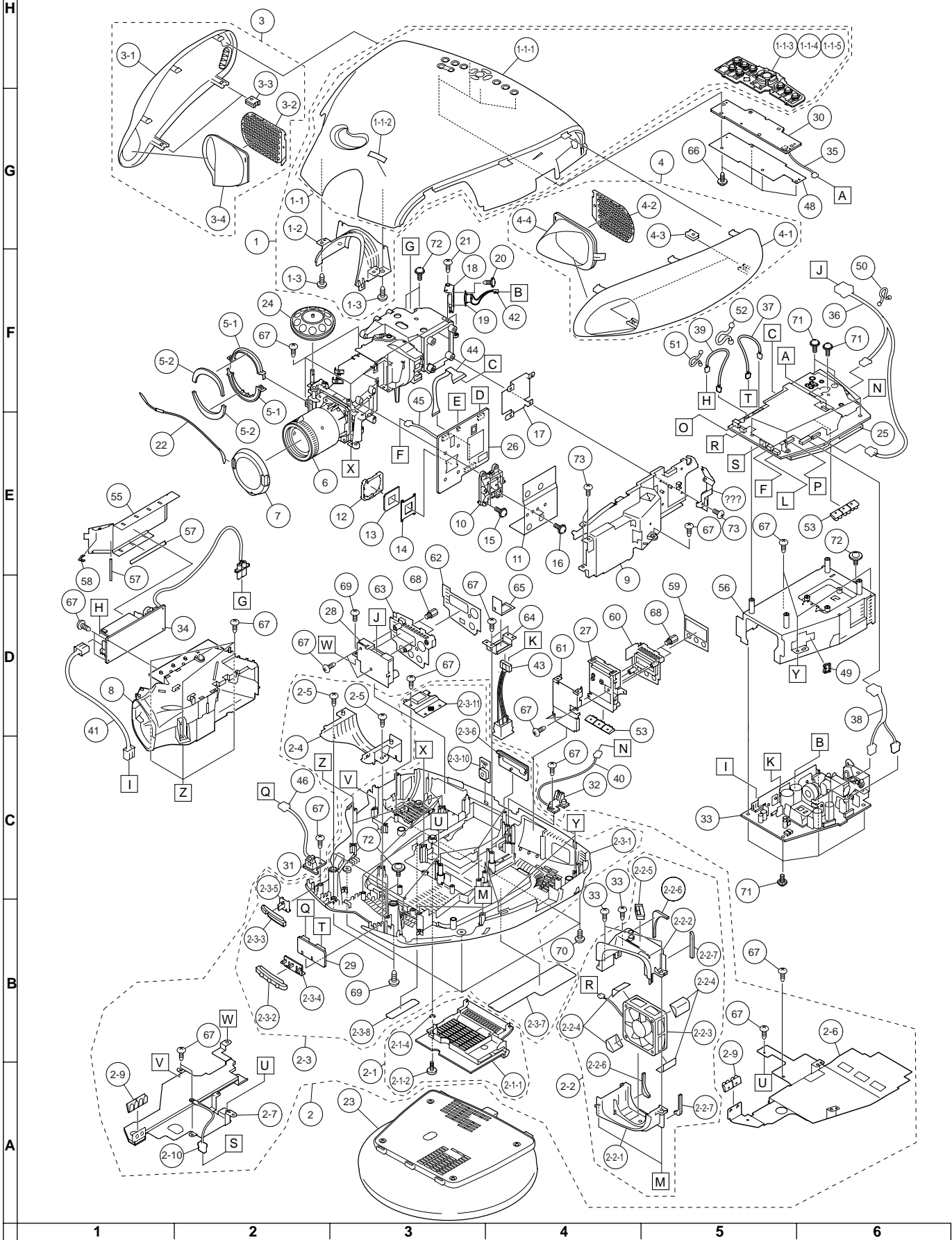
**RDENCA018WJZZ
POWER UNIT (Continued)**

R7101	9HU18001607	J	1k	1/16W
R7102	9HU18204907	J	1k	1/8W
R7103	9HU18001607	J	1k	1/16W
R7104	9HU18204907	J	1k	1/8W
R7106	9HU18001607	J	1k	1/16W
R7107	9HU18205707	J	2.2k	1/8W
R7109	9HU18000207	J	10k	1/16W
R7110	9HU18036507	J	3k	1/16W
R7111	9HU18032207	J	1.2k	1/16W
R7112	9HU18030007	J	2.7k	1/16W
R7114	9HU18000207	J	10k	1/16W
R7115	9HU18032907	J	1k	1/16W
R7116	9HU18206507	J	4.7k	1/8W
R7117	9HU18206107	J	3.3k	1/8W
R7118	9HU18032907	J	1k	1/16W
R7119	9HU18036607	J	82	1/16W
R7120	9HU18205307	J	1.5k	1/16W
R7122	9HU18206507	J	4.7k	1/8W
R7123	9HU18000207	J	10k	1/16W
R7125	9HU18230107	J	10	1/4W
R7126	9HU18032807	J	360	1/16W

MISCELLANEOUS PARTS

CN7001	9HU62100911	J	Connector (FG), NC-174-10ND-L2
CN7002	9HU66311311	J	Connector (EA), B5P-VH
CN7003	9HU66305111	J	Connector (EB), B2P-VH
CN7004	9HU66308211	J	Connector (EC), B4P-VH
CN7101	9HU66324811	J	Connector (ED), B10B-ZR-3.4
CN7102	9HU66324911	J	Connector (EE), B12B-ZR-3.4
⚠ F7001	9HU63220311	J	Fuse, T5AH/250V
⚠	9HU63100404	J	Fuse Holder

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MACHANISCHE BAUTEILE



Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS				
1	<i>Not Available</i>	-	Top Body Ass'y	—
1-1	DBDYTA003WJ 01	J	Top Body Ass'y (XV-Z90U)	
1-1	DBDYTA005WJ 01	J	Top Body Ass'y (DT-200)	
1-1-1	<i>Not Available</i>	-	Top Body	—
1-1-2	HINDP5799CESA	J	Lens Caution Label	AD
1-1-3	J BTN-A034WJ ZZ	J	Key Button Base (XV-Z90U)	
1-1-3	J BTN-A034WJ SA	J	Key Button Base (DT-200)	
1-1-4	J BTN-A035WJ SA	J	Key Button Cursor (XV-Z90U)	
1-1-4	J BTN-A035WJ SB	J	key Button Cursor (DT-200)	
1-1-5	J BTN-A036WJ SA	J	Key Button Top	
1-2	GCOVAA088WJ KA	J	Lens Cover (Top)	
1-3	XEBSD30P10000	J	Screw	AA
2	<i>Not Available</i>	-	Bottom Body Ass'y	—
2-1	CDORUA002WJ 01	J	Lamp Door Ass'y (XV-Z90U)	
2-1	CDORUA002WJ 02	J	Lamp Door Ass'y (DT-200)	
2-1-1	GDORUA002WJ KA	J	Lamp Door (XV-Z90U)	
2-1-1	GDORUA002WJ KB	J	Lamp Door (DT-200)	
2-1-2	LX-BZ1009CEFN	J	Screw	AE
2-1-3	MSPRC0202CEFW	J	Spring	AB
2-1-4	XRESJ 30-06000	J	E Ring	AA
2-2	CDUC-A004WJ 01	J	Fan Duct Ass'y	
2-2-1	PDUC-A004WJ KZ	J	Duct (Bottom)	
2-2-2	PDUC-A005WJ KZ	J	Duct (Top)	
2-2-3	NFANRA008WJ 00	J	Power Unit Fan	AS
2-2-4	PSPAZA064WJ 00	J	Fan Spacer	AD
2-2-5	LHLDW1173CEZZ	J	Wire Holder	AD
2-2-5	PSPAZA052WJ KZ	J	Spacer A	AB
2-2-6	PSPAZA053WJ KZ	J	Spacer B	AB
2-3	DBDYUA006WJ 01	J	Bottom Body Ass'y (XV-Z90U)	
2-3	DBDYUA009WJ 01	J	Bottom Body Ass'y (DT-200)	
2-3-1	<i>Not Available</i>	-	Bottom Body	—
2-3-2	GCOVAA080WJ KA	J	Panel Dec.(L)	
2-3-3	GCOVAA081WJ KA	J	Panel Dec.(R)	
2-3-4	GCOVAA086WJ KA	J	LED Guide	
2-3-5	GCOVAA090WJ KA	J	R/C Cover (Front)	
2-3-6	GCOVAA091WJ KA	J	R/C Cover (Rear)	
2-3-7	HINDPA230WJ ZZ	J	Lamp Caution Label	
2-3-8	HINDPA232WJ ZZ	J	Label	
2-3-9	HPNC-A009WJ 00	J	Ballast Punching	AD
2-3-10	LANGF2134CEFW	J	K Lock	AE
2-3-11	PCOVPA010WJ ZZ	J	Bottom Cover	
2-4	GCOVAA087WJ KA	J	Lens Cover (Bottom)	
2-5	LX-BZ3266CEFD	J	Screw	AA
2-6	PSLDMA050WJ FW	J	Bottom Shield (L)	AH
2-7	PSLDMA051WJ FW	J	Bottom Shield (R)	AH
2-9	QEARBA003WJ FW	J	Earth	
2-10	RH-HZ0091CEZZ	J	Thermistor	AL
3	CCOVAA165WJ 01	J	Side Cover (L) Ass'y	
3-1	<i>Not Available</i>	-	Side Cover (L)	—
3-2	HPNC-A007WJ 00	J	Punching (L)	AL
3-3	LX-NZ3172CEFJ	J	Speed Nut	AD
3-4	PDUC-A007WJ KZ	J	Vent Duct (L)	
4	CCOVAA166WJ 01	J	Side Cover (R) Ass'y	
4-1	<i>Not Available</i>	-	Side Cover (R)	—
4-2	HPNC-A006WJ 00	J	Punching (L)	AL
4-3	LX-NZ3172CEFJ	J	Speed Nut	AD
4-4	PDUC-A006WJ KZ	J	Vent Duct (R)	
5	CHLDZA070WJ 01	J	Lens Shutter Ass'y	
5-1	<i>Not Available</i>	-	Lens Shutter	—
5-2	PSPAZA057WJ 00	J	Lens Cover	
6	Refer to Optics Mechanism Parts			
7	CCAPHA004WJ 01	J	Lens cap	AG
8	CDUC-A008WJ 01	J	Exhaust Fan Ass'y	BC

Ref. No.	Part No.	★	Description	Code
8-1	PDUC-A008WJ KZ	J	Exhaust Duct (Top)	
8-2	PDUC-A009WJ KZ	J	Exhaust Duct (Bottom)	
8-3	NFANRA007WJ 00	J	Ballast Fan	AT
8-4	NFANRA006WJ 00	J	Exhaust Fan	AV
8-5	PSPAZA063WJ 00	J	Ballast Fan Spacer	AD
8-6	PSPAZA065WJ 00	J	Exhaust Fan Spacer	AD
8-7	XEPSD30P10000	J	Screw (M3 x 10)	AA
9	CHLDZA048WJ 01	J	Blower Fan Ass'y	AY
9-1	LHLDZA048WJ KZ	J	Blower Fan Holder	
9-2	PDUC-A010WJ KZ	J	Blower Fan Duct	
9-3	NFANSA004WJ 00	J	Blower Fan	AX
9-4	PSPAGA039WJ KZ	J	Fan Spacer A	AB
9-5	PSPAGA040WJ KZ	J	Fan Spacer B	AB
10	CHLDZ0141CE01	J	DMD Mounting Plate Ass'y	AV
11	PRDARA016WJ ZZ	J	DMD Radiator	AE
12	LHLDZ0140CEKZ	J	Outer Frame	AE
13	RDMDPA005WJ ZZQ	J	DMD	**
14	QSOCZA038WJ ZZ	J	C-Spring	BC
15	XBPSD30P12J S0	J	Screw (M3 x 12)	AA
16	XBPSD30P08KS0	J	Screw (M3 x 8)	AA
17	PSLDHA012WJ FW	J	Lamp Shield	AB
18	LHLDZ0142CEKZ	J	Bimetal Holder	AF
19	CBIM-A002DE01	J	Bimetal	
20	XEBSD30P06000	J	Screw (M3 x 6)	AA
21	XEBSD26P08000	J	Screw (M2.6 x 8)	AA
22	UBNDT0013CEZZ	J	Lens Cap Strap	AF
23	GDAI-A017WJ SA	J	Tilt Top Table	
24	J KNBZ1082CEKB	J	Lens Shift Knob	
25	DUNTKB226DE01	-	Main PWB Unit	—
26	DUNTKB269DE01	-	Formatter PWB Unit	—
27	DUNTKB439DE01	-	DVI TAN1 PWB Unit (XV-Z90U)	—
27	DUNTKB439DE02	-	DVI TAN1PWB Unit (DT-200)	—
28	DUNTKB447DE01	-	Terminal2 PWB Unit (XV-Z90U)	—
28	DUNTKB447DE02	-	Terminal2 PWB Unit (DT-200)	—
29	DUNTKB448DE01	-	LED PWB Unit (XV-Z90U)	—
29	DUNTKB448DE02	-	LED PWB Unit (DT-200)	—
30	DUNTKB449DE01	-	KEY PWB Unit (XV-Z90U)	—
30	DUNTKB449DE02	-	KEY PWB Unit (DT-200)	—
31	DUNTKB450DE01	-	Front R/C PWB Unit (XV-Z90U)	—
31	DUNTKB450DE02	-	Front R/C PWB Unit (DT-200)	—
32	DUNTKB451DE01	-	Rear R/C PWB Unit (XV-Z90U)	—
32	DUNTKB451DE02	-	Rear R/C PWB Unit (DT-200)	—
33	RDENCA018WJ ZZ	-	Power Unit	—
34	RDENCA019WJ ZZ	J	Ballast Unit	BU
35	QCNW-A667WJ ZZ	J	Connecting Wire (KY)	AH
36	QCNW-A670WJ ZZ	J	Connecting Wire (TC)	AM
37	QCNW-A671WJ ZZ	J	Connecting Wire (TD)	AG
38	QCNW-A672WJ ZZ	J	Connecting Wire (ED)	AL
39	QCNW-A678WJ ZZ	J	Connecting Wire (BA)	AG
40	QCNW-A676WJ ZZ	J	Connecting Wire (RB)	AE
41	QCNW-A679WJ ZZ	J	Connecting Wire (EC)	AG
42	QCNW-A681WJ ZZ	J	Connecting Wire (Bimetal)	AD
43	QCNW-A680WJ ZZ	J	Connecting Wire (EA)	AQ
44	QPWBHB482WJ ZZ	J	FPC (Main-Formatter)	AS
45	QCNW-A677WJ ZZ	J	Connecting Wire (PG)	AL
46	QCNW-A669WJ ZZ	J	Connecting Wire (RA)	AE
47	QCNW-A682WJ ZZ	J	Connecting Wire (DB)	AE
48	PSHEPA058WJ ZZ	J	Covering Sheet	
49	LHLDW1220CEZZ	J	Power Holder	AD
50	LHLDW1060CEZZ	J	Wire Holder	AB
51	LHLDW1003GEZZ	J	Wire Holder	AA
52	LHLDW1064CEZZ	J	Wire Holder	AB
53	QEARBA004WJ FW	J	Earth	
54	PZETKA008WJ KZ	J	Power Insulation Sheet	AN
55	PZETKA007WJ KZ	J	Ballast Cover	AM
56	PSLDMA029WJ FW	J	Power Shield	AT

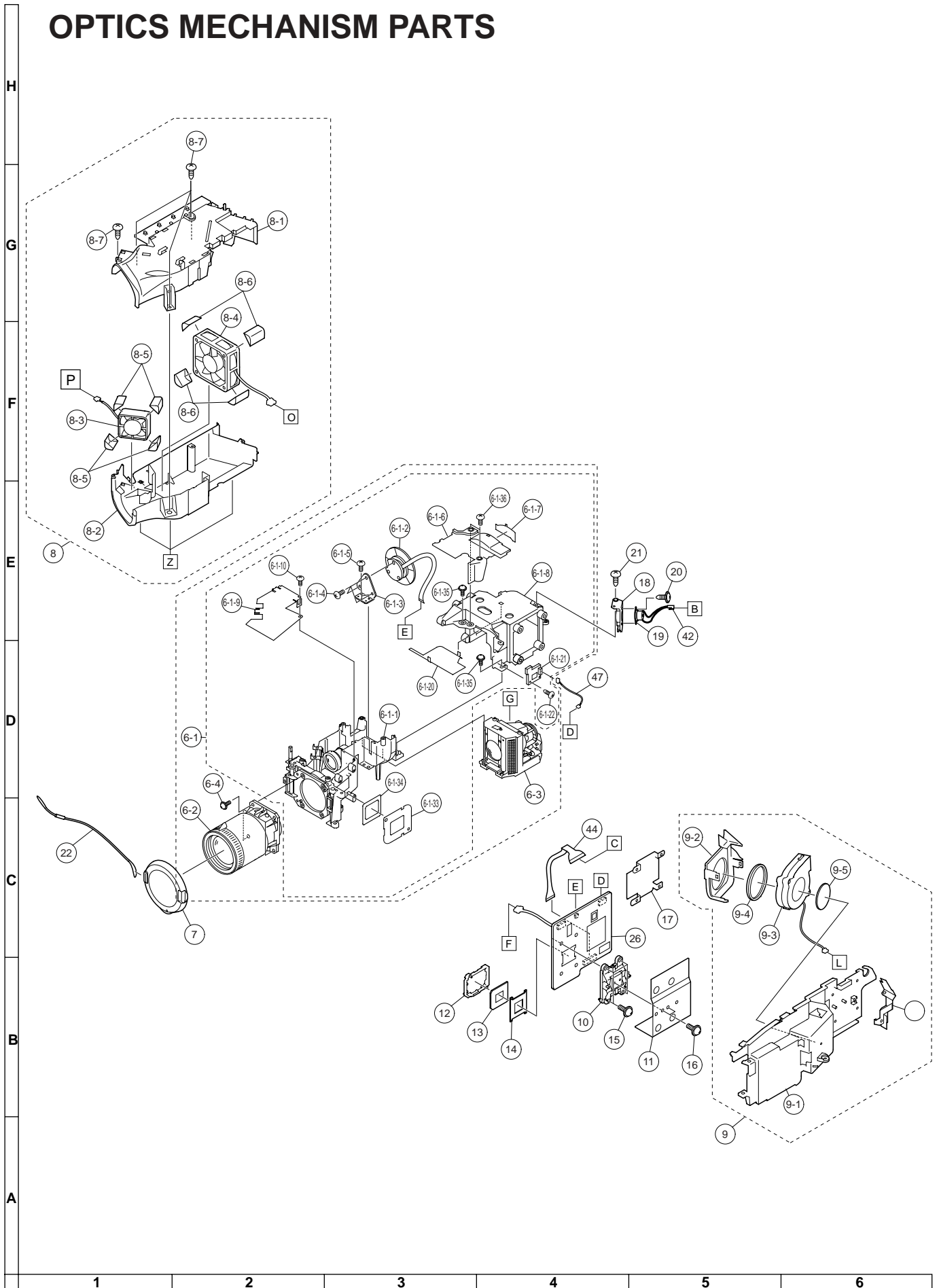
Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS (Continued)				

59	HPNLHA005WJ K1	J	Panel (L)	
60	PSLDMA030WJ FW	J	Terminal Shield (L)	AE
61	PSLDMA031WJ FW	J	Terminal Shield B	AF
62	HPNLHA002WJ K1	J	Panel (R)	
63	PSLDMA049WJ FW	J	Terminal Shield (R)	AE
64	LHLDZ0141CEKZ	J	Backer Plate	AA
65	PRDAR0113CEFW	J	Plate	AM
66	LX-EZA004WJ FD	J	Screw	AA
67	XEPSD30P08000	J	Screw (M3 x8)	AA
68	NSFTZ0135CEFW	J	Shaft	AD
69	XEBSN30P10000	J	Screw	AA
70	XBBSN30P08000	J	Screw	AA
71	XBPSD30P06R00	J	Screw	AB
72	XBPSD26P06J S0	J	Screw (M2.6 x6)	AA
73	XBPSD30P06000	J	Screw	AA

Ref. No.	Part No.	★	Description	Code
OPTICS MECHANISM PARTS				

6	CCHSKA003DE11	J	Optics Engine Ass'y (XV-Z90U)	
6	CCHSKA003DE21	J	Optics Engine Ass'y (DT-200)	
6-1	CCHSKA003WJ 01	J	Optic Engine Unit (XV-Z90U)	
6-1	CCHSKA003WJ 02	J	Optic Engine Unit (DT-200)	
6-1-1	95USA740A-2	J	Unit Base (XV-Z90U)	
6-1-1	95USA740A-1	J	Unit Base (DT-200)	
6-1-2	95U29A1018678	J	Color Wheel	
6-1-3	95U41B1018017	J	Support	
6-1-4	95U110M200353M	J	Screw (M2 x 3.5)	
6-1-5	XBBSF26P06000	J	Screw (M2.6 x 6)	AA
6-1-6	95U11B1018812	J	Color Wheel Cover	
6-1-7	95U49B1019446	J	Color Wheel Insulation Plate	
6-1-8	95U12B1018810	J	Lamp Box	
6-1-9	95U11B1018897	J	Shield (Top)	
6-1-10	XBBSF20P05000	J	Screw (M2 x5)	
6-1-20	95U72B1018837	J	Shield(Upper)	
6-1-21	95U110A1018253	J	Sensor PWB Ass'y	
6-1-22	95U53K108340	J	Sensor PWB Fixing Screw	
6-1-33	95U27B1018652	J	DMD Aperture	
6-1-34	95U60B1018653	J	DMD Sealing Spacer	
6-1-35	XBPSD30P06WS0	J	Screw (M3 x 6)	AA
6-1-36	XBBSF26P06000	J	Screw (M2,6 x 6)	AA
6-2	PLNS-A013WJ ZZ	J	Projection Lens (XV-Z90U)	
6-2	PLNS-A014WJ ZZ	J	Projection Lens (DT-200)	
△ 6-3	BQC-XVZ90U+++1	J	Lamp Case Ass'y	
6-4	95U280M30107K	J	Screw (M3 x 10)	

OPTICS MECHANISM PARTS



Ref. No. Part No. ★ Description Code

SUPPLIED ACCESSORIES

Ref. No.	Part No.	Description	Code
	GCOVAA116WJKA	J Terminal Cover	
	SPAKPA070WJZZ	J Polystyrene Cover	
	XBBSN40P10000	J Screw for Terminal Cover	AB
△	QACCCA007WJPZ	J AC Cord	AR
	QCNWGA001WJZZ	J Video Cable	
	RRMCGA064WJSA	J Infrared R/C Unit (XV-Z90U)	BB
	RRMCGA088WJSA	J Infrared R/C Unit (DT-200)	AZ
	TiNS-A286WJZZ	J Operation Manual (XV-Z90U)	
	TiNS-A287WJZZ	J Operation Manual (DT-200)	
	TCADEA016WJZZ	J Questionnaires Card	
	SSAKAA006WJZZ	J Polystyrene Cover	

Ref. No. Part No. ★ Description Code

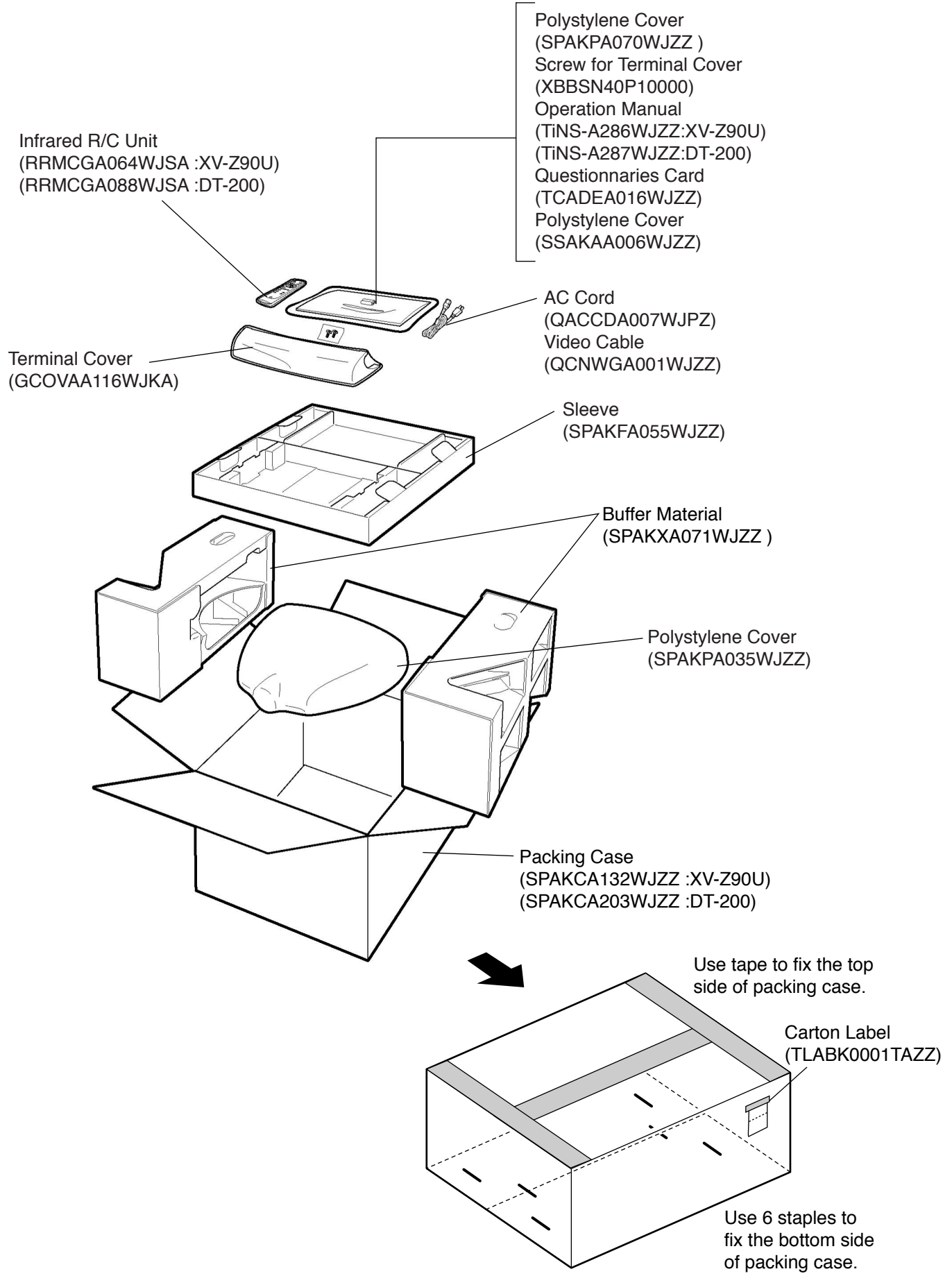
PACKING PARTS (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	Description	Code
	SPAKCA132WJZZ	- Packing Case (XV-Z90U)	—
	SPAKCA203WJZZ	- Packing Case (DT-200)	—
	SPAKFA055WJZZ	- Sleeve	—
	SPAKPA035WJZZ	- Polystyrene Cover	—
	SPAKXA071WJZZ	- Buffer Material	—
	SSAKA0170CEZZ	- Polystyrene Cover, for Accessories	—
	TLABK0001TAZZ	- Carton Label	—

SERVICE JIGS (Use for servicing)

Ref. No.	Part No.	Description	Code
	QCNW-A294WJZZ	J Extension Cable 80-pin INPUT-PC I/F	
	QCNW-A295WJZZ	J Extension Cable 13-pin PFC-INPUT	
	QCNW-A296WJZZ	J Extension Cable 32-pin INPUT-KEY	
	QCNW-A297WJZZ	J Extension Cable 30-pin INPUT-FORMATTER	
	QCNW-A298WJZZ	J Extension Cable 80-pin FORMATTER-PC I/F	
	QCNW-A521WJZZ	J Extension Cable 20-pin INPUT-Gyro	

PACKING OF THE SET/VERPACKEN DES GERÄTS



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