

SHARP SERVICE MANUAL

No. S79B2LC32L70U



LCD COLOR TELEVISION

LC-32LE700UN

LC-40LE700UN

LC-46LE700UN

MODELS LC-52LE700UN

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.

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Parts Guide

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.

SAFETY PRECAUTION

IMPORTANT SERVICE SAFETY PRECAUTION

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

WARNING

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

CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.

- F7001 (250V 2.5A) (LC-32LE700UN)
- F7002 (250V 2.5A) (LC-32LE700UN)
- F7001 (250V 5A) (LC-40LE700UN)
- F7002 (250V 5A) (LC-40LE700UN)
- F7001 (250V 6.3A) (LC-46/52LE700UN)
- F7002 (250V 6.3A) (LC-46/52LE700UN)

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

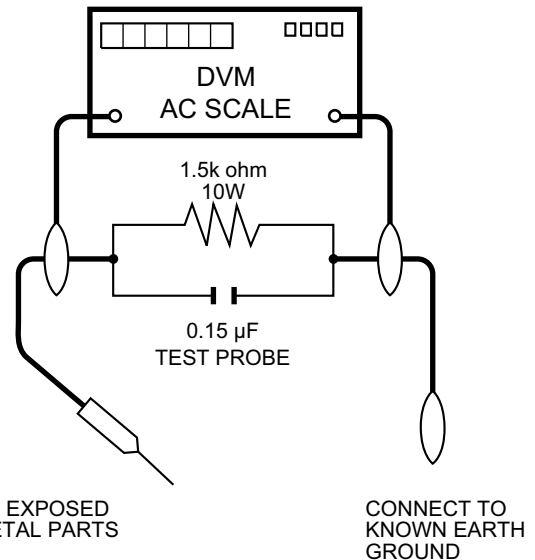
Before returning the receiver to the user, perform the following safety checks:

- Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
- Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
- To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet.

- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD color television 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 "⚠" and shaded areas in the Replacement Parts List 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.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

■ AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.

PRECAUTION: POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE

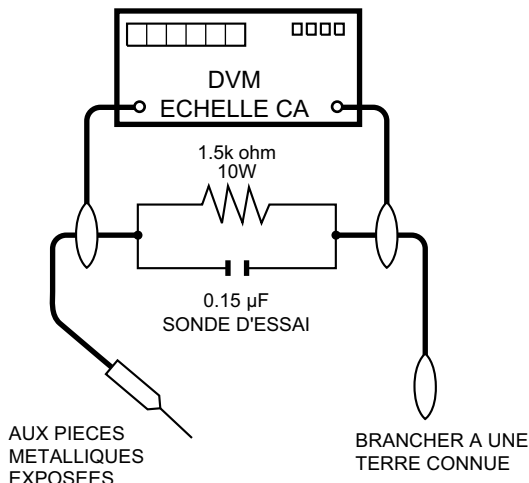
F7001 (250V 2.5A) (LC-32LE700UN)
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 F7002 (250V 5A) (LC-40LE700UN)
 F7001 (250V 6.3A) (LC-46/52LE700UN)
 F7002 (250V 6.3A) (LC-46/52LE700UN)

■ VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

3. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
4. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistancecapacité, les isolateurs mécaniques, etc.
5. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).

- A l'aide de deux fils à pinces, brancher une résistance de 1.5 k Ω 10 watts en parallèle avec un condensateur de 0.15 μ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 Ω /V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)
 La tension de pointe mesurée ne doit pas dépasser 0.75V (correspondante au courant CA de pointe de 0.5mA). Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseur ACL 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 étalonées 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 "⚠" 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, radiations X ou autres accidents.

PRECAUTIONS FOR USING LEAD-FREE SOLDER**■Employing lead-free solder**

- “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.

LFa/a
Sn-Ag-Cu

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

■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 soldering bit, contact our service station or service branch in your area.

■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 confirm 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.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

PARTS CODE	PRICE RANK	PART DELIVERY	DESCRIPTION
ZHNDai123250E	BL	J	φ0.3mm 250g (1roll)
ZHNDai126500E	BK	J	φ0.6mm 500g (1roll)
ZHNDai12801KE	BM	J	φ1.0mm 1kg (1roll)

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS (LC-32LE700UN)

Item		Model: LC-32LE700UN	
LCD panel	Size	32" Class (31 ³⁵ / ₆₄ " Diagonal)	
	Resolution	2,073,600 pixels (1,920 × 1,080)	
TV Function	TV-standard (CCIR)		American TV Standard ATSC/NTSC System
	Receiving Channel	VHF/UHF	VHF 2-13ch, UHF 14-69ch
		CATV	1-135ch (non-scrambled channel only)
		Digital Terrestrial Broadcast (8VSB)	2-69ch
		Digital cable ^{*1} (64/256 QAM)	1-135ch (non-scrambled channel only)
Audio multiplex		BTSC System	
Audio out		10W × 2	
Terminals	Rear	INPUT 1	AV in, COMPONENT in
		INPUT 2	COMPONENT in, S-VIDEO in
		INPUT 4	ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm jack)
		INPUT 6	HDMI in with HDCP, Audio in (Ø 3.5 mm jack)
		INPUT 7	HDMI in with HDCP
		INPUT 8	HDMI in with HDCP
		ANT/CABLE	75 Ω Unbalance, F Type × 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)
		AUDIO	Audio in (Ø 3.5 mm jack)
		DIGITAL AUDIO OUTPUT	Optical Digital audio output × 1 (PCM/Dolby Digital)
		OUTPUT	Audio out
	RS-232C	9-pin D-sub male connector	
	Side	INPUT 3	AV in
		INPUT 5	HDMI in with HDCP
		SERVICE	Software update
OSD language		English/French/Spanish	
Power Requirement		AC 120 V, 60 Hz	
Power Consumption		130 W (0.5 W Standby with AC 120 V)	
Weight	TV + stand	26.5 lbs./12.0 kg	
	TV only	23.1 lbs./10.5 kg	
Dimension ^{*2} (W × H × D)	TV + stand	30 ¹³ / ₆₄ × 21 ⁴⁷ / ₆₄ × 10 ⁷ / ₈ inch	
	TV only	30 ¹³ / ₆₄ × 19 ⁴⁹ / ₆₄ × 3 ¹⁹ / ₃₂ inch	
Operating temperature		+32°F to +104°F (0°C to +40°C)	

^{*1} Emergency alert messages via Cable are unreceivable.

^{*2} The dimensional drawings are shown on the inside back cover.

- As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Optional Accessory

The listed optional accessory is available for the Liquid Crystal Television. Please purchase it at your nearest shop.

- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

Part name	Model number
Wall mount bracket	AN-37AG5

[2] SPECIFICATIONS (LC-40/46/52LE700UN)

Item		Model: LC-40LE700UN	Model: LC-46LE700UN	Model: LC-52LE700UN
LCD panel	Size	40" Class (40" Diagonal)	46" Class (45 ⁶³ / ₆₄ " Diagonal)	52" Class (52 ¹ / ₃₂ " Diagonal)
	Resolution	2,073,600 pixels (1,920 × 1,080)		
TV Function	TV-standard (CCIR)	American TV Standard ATSC/NTSC System		
	Receiving Channel	VHF/UHF	VHF 2-13ch, UHF 14-69ch	
		CATV	1-135ch (non-scrambled channel only)	
		Digital Terrestrial Broadcast (8VSB)	2-69ch	
		Digital cable ¹ (64/256 QAM)	1-135ch (non-scrambled channel only)	
Audio multiplex	BTSC System			
Audio out		10W × 2		
Terminals	Rear	INPUT 1	AV in, COMPONENT in	
		INPUT 2	COMPONENT in, S-VIDEO in	
		INPUT 4	ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm jack)	
		INPUT 6	HDMI in with HDCP, Audio in (Ø 3.5 mm jack)	
		INPUT 7	HDMI in with HDCP	
		INPUT 8	HDMI in with HDCP	
		ANT/CABLE	75 Ω Unbalance, F Type × 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)	
		AUDIO	Audio in (Ø 3.5 mm jack)	
		DIGITAL AUDIO OUTPUT	Optical Digital audio output × 1 (PCM/Dolby Digital)	
		ETHERNET	Network connector	
	OUTPUT	Audio out		
	RS-232C	9-pin D-sub male connector		
	Side	INPUT 3	AV in	
		INPUT 5	HDMI in with HDCP	
USB		Photo/Music mode, Software update		
OSD language		English/French/Spanish		
Power Requirement		AC 120 V, 60 Hz		
Power Consumption		160 W (0.5 W Standby with AC 120 V)	200 W (0.5 W Standby with AC 120 V)	250 W (0.5 W Standby with AC 120 V)
Weight	TV + stand	30.9 lbs./14.0 kg	47.4 lbs./21.5 kg	57.3 lbs./26.0 kg
	TV only	26.5 lbs./12.0 kg	40.8 lbs./18.5 kg	50.7 lbs./23.0 kg
Dimension ² (W × H × D) (inches)	TV + stand	37 ⁶¹ / ₆₄ × 26 ³ / ₁₆ × 12 ³ / ₈	43 ⁹ / ₃₂ × 29 ¹¹ / ₆₄ × 13 ⁶¹ / ₆₄	48 ³ / ₄ × 32 ¹³ / ₆₄ × 13 ⁶¹ / ₆₄
	TV only	37 ⁶¹ / ₆₄ × 24 ³ / ₃₂ × 3 ⁴¹ / ₆₄	43 ⁹ / ₃₂ × 27 ³ / ₃₂ × 3 ⁴⁵ / ₆₄	48 ³ / ₄ × 30 ¹ / ₈ × 3 ⁴³ / ₆₄
Operating temperature		+32°F to +104°F (0°C to +40°C)		

¹ Emergency alert messages via Cable are unreceivable.

² The dimensional drawings are shown on the inside back cover.

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Optional Accessory

The listed optional accessory is available for the Liquid Crystal Television. Please purchase it at your nearest shop.

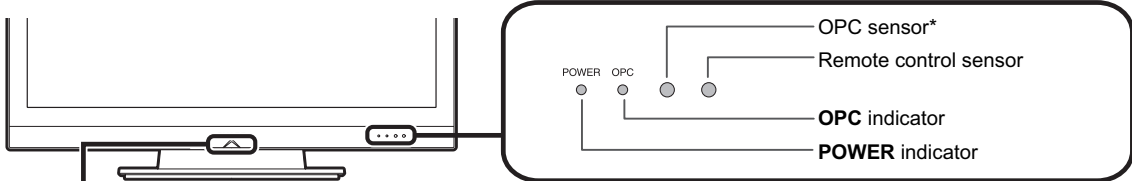
- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

Part name	Model number
Wall mount bracket	AN-37AG2 (for LC-40LE700UN)
Attachment	AN-37P30 (for LC-40LE700UN)
Wall mount bracket	AN-52AG4 (for LC-46LE700UN/LC-52LE700UN)

CHAPTER 2. OPERATION MANUAL

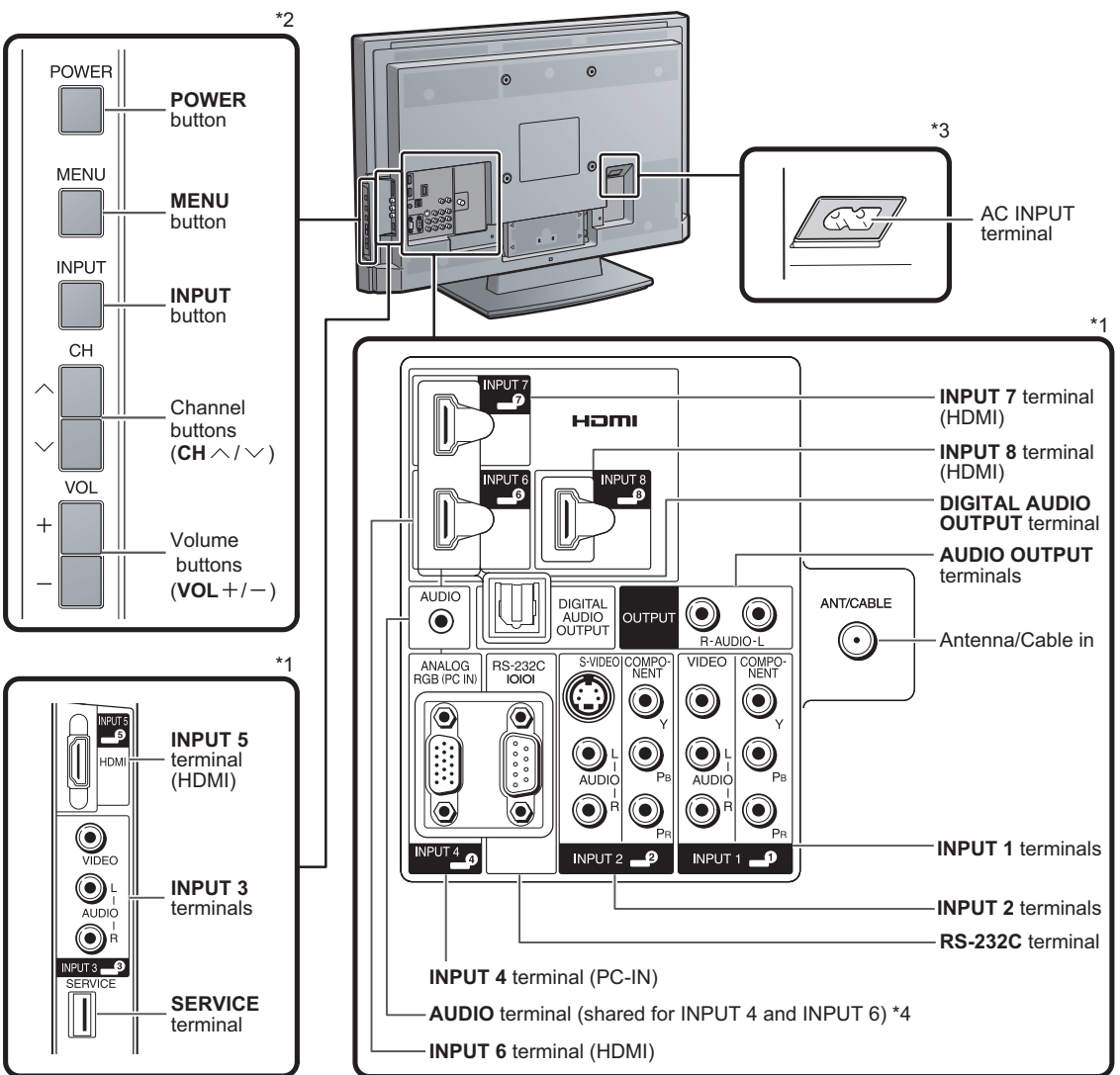
[1] Parts Name (LC-32LE700UN)

TV (Front)



* OPC: Optical Picture Control

TV (Rear/Side)

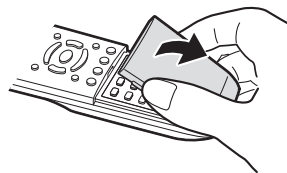
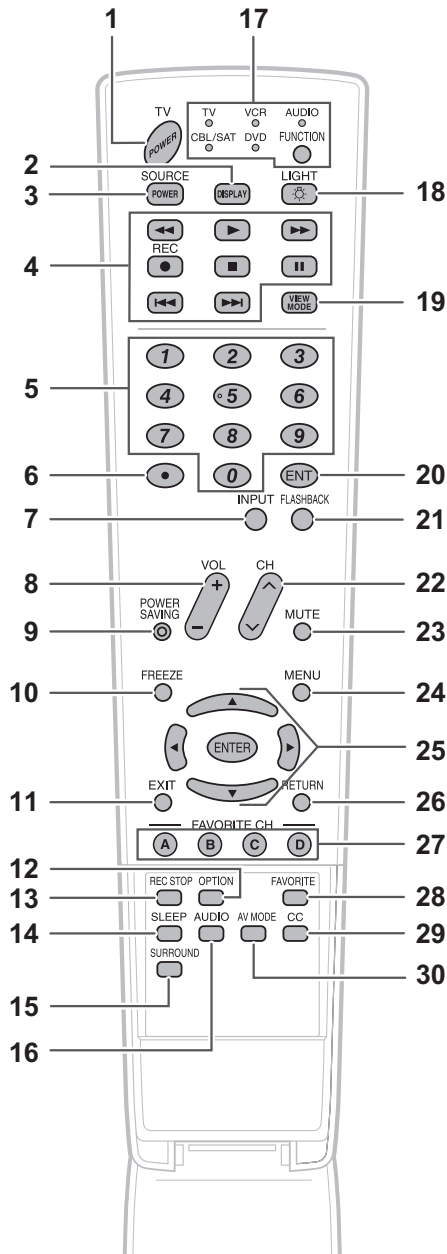


- *1 External equipment connection.
- *2 Button operations.
- *3 Connecting the AC cord.
- *4 Details on the PC Audio Select function.

NOTE

The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.

Remote Control Unit



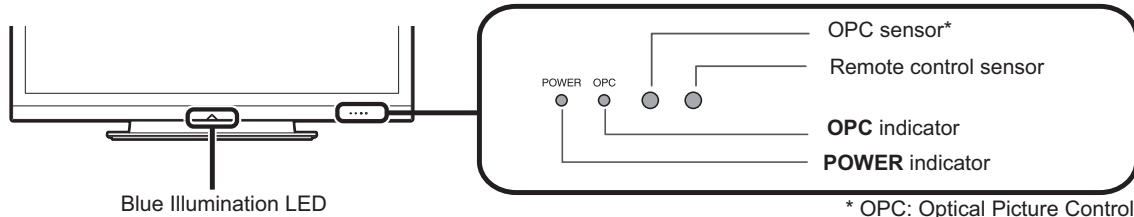
NOTE

- When using the remote control unit, point it at the TV.

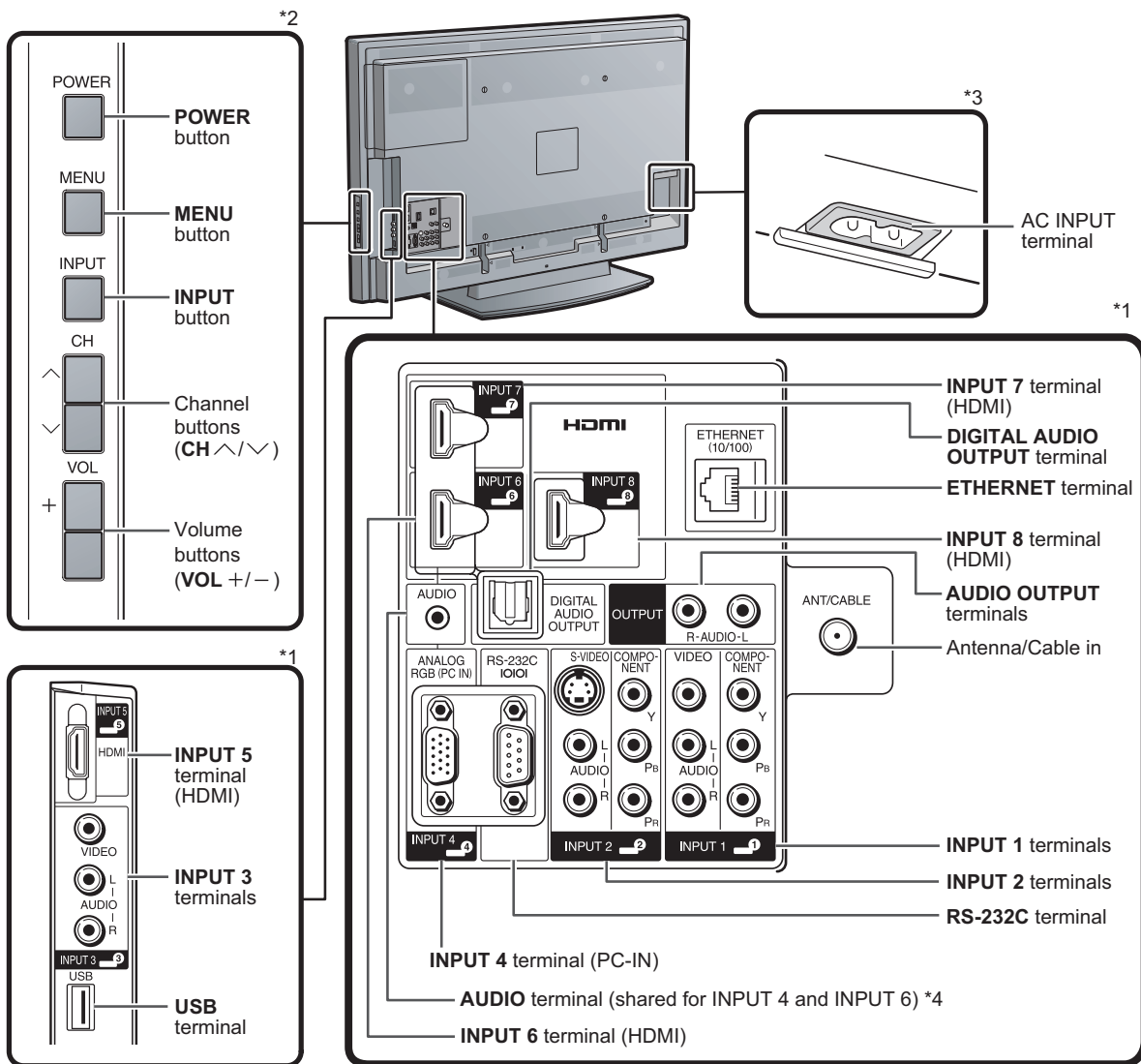
- TV POWER:** Switch the TV power on or enter standby.
- DISPLAY:** Display the channel information.
- SOURCE POWER:** Turns the power of the external equipment on and off.
- External equipment operational buttons:** Operate the external equipment.
- 0-9:** Set the channel.
- (DOT)**
- INPUT:** Select a TV input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6, INPUT 7, INPUT 8)
- VOL +/- :** Set the volume.
- POWER SAVING:** Select Power Saving settings.
- FREEZE:** Set the still image. Press again to return to normal screen.
- EXIT:** Turn off the menu screen.
- OPTION:** Display the AQUOS LINK MENU screen. This button will function only when AQUOS LINK is used.
- REC STOP:** Stops one touch recording. This button will function only when AQUOS LINK is used.
- SLEEP:** Set the sleep timer.
- SURROUND:** Select Surround settings.
- AUDIO:** Selects the MTS/SAP or the audio mode during multi-channel audio broadcasts.
- FUNCTION:** Switches the remote control for TV, CBL/SAT, VCR, DVD and AUDIO operation. Indicator lights up for the current mode.
* To enter the code registration mode, you need to press **FUNCTION** and **DISPLAY** at the same time.
- LIGHT** : When this button is pressed, some buttons (for example, **VOL +/-** and **CH ^/∨**) on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in low-light situations.
- VIEW MODE:** Select the screen size.
- ENT:** Jumps to a channel after selecting with the **0-9** buttons.
- FLASHBACK:** Return to the previous channel or external input mode.
- CH ^/∨ :** Select the channel.
- MUTE:** Mute the sound.
- MENU:** Display the menu screen.
- ▲/▼/◀/▶, ENTER:** Select a desired item on the screen.
- RETURN:** Return to the previous menu screen.
- FAVORITE CH**
A, B, C, D: Select 4 preset favorite channels in 4 different categories.
While watching, you can toggle the selected channels by pressing **A, B, C** and **D**.
- FAVORITE:** Set the favorite channels.
- CC:** Display captions from a closed-caption source.
- AV MODE:** Select an audio or video setting.
(When the input source is TV, INPUT 1, 2 or 3: STANDARD, MOVIE, GAME, USER, AUTO, DYNAMIC (Fixed), DYNAMIC.
When the input source is INPUT 4, 5, 6, 7 or 8: STANDARD, MOVIE, GAME, PC, USER, AUTO, DYNAMIC (Fixed), DYNAMIC)

[2] Parts Name (LC-40/46/52LE700UN)

TV (Front)



TV (Rear/Side)



*1 External equipment connection.

*2 Button operations.

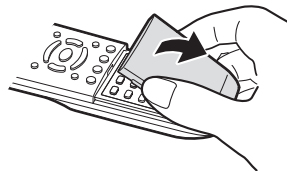
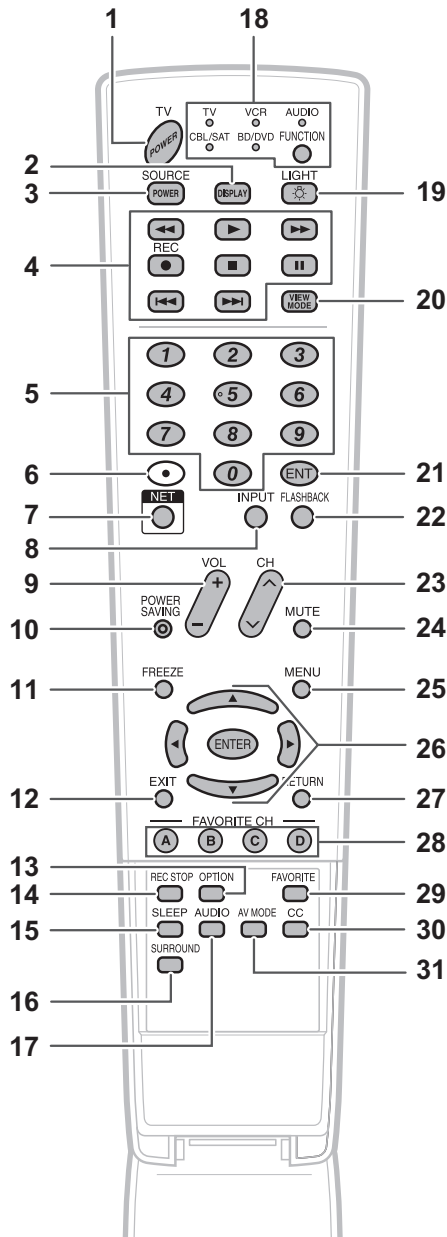
*3 Connecting the AC cord.

*4 Details on the PC Audio Select function.

NOTE

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- The examples used throughout this manual are based on the LC-46LE700UN model.

Remote Control Unit



NOTE

- When using the remote control unit, point it at the TV.

- TV POWER:** Switch the TV power on or enter standby.
- DISPLAY:** Display the channel information.
- SOURCE POWER:** Turns the power of the external equipment on and off.
- External equipment operational buttons:** Operate the external equipment.
- 0-9:** Set the channel.
- (DOT)**
- NET:** Switches the display to the Sidebar Widget, TV +Web, Web or TV screen.
- INPUT:** Select a TV input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6, INPUT 7, INPUT 8, USB)
- VOL +/- :** Set the volume.
- POWER SAVING:** Select Power Saving settings.
- FREEZE:** Set the still image. Press again to return to normal screen.
- EXIT:** Turn off the menu screen.
- OPTION:** Display the AQUOS LINK MENU screen. This button will function only when AQUOS LINK is used.
- REC STOP:** Stops one touch recording. This button will function only when AQUOS LINK is used.
- SLEEP:** Set the sleep timer.
- SURROUND:** Select Surround settings.
- AUDIO:** Selects the MTS/SAP or the audio mode during multi-channel audio broadcasts.
- FUNCTION:** Switches the remote control for TV, CBL/SAT, VCR, BD/DVD and AUDIO operation. Indicator lights up for the current mode.
* To enter the code registration mode, you need to press **FUNCTION** and **DISPLAY** at the same time.
- LIGHT** ☼ : When this button is pressed, some buttons (for example, **VOL +/-** and **CH ^/∇**) on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in low-light situations.
- VIEW MODE:** Select the screen size.
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[3] OPERATION MANUAL

1. LC-32LE700UN

Attaching the Stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

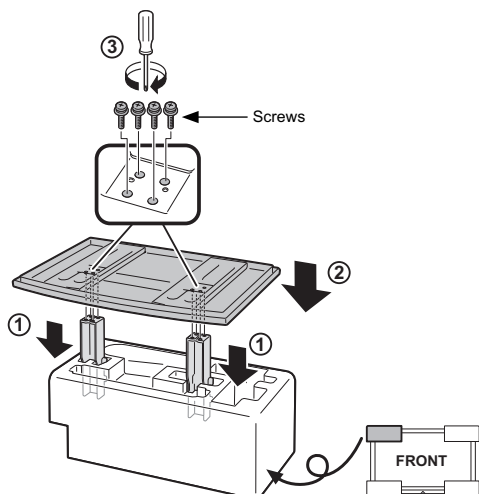
CAUTION

- **Attach the stand in the correct direction.**
- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**
- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

- 1 Confirm that there are 12 screws (all the same size) supplied with the stand unit.

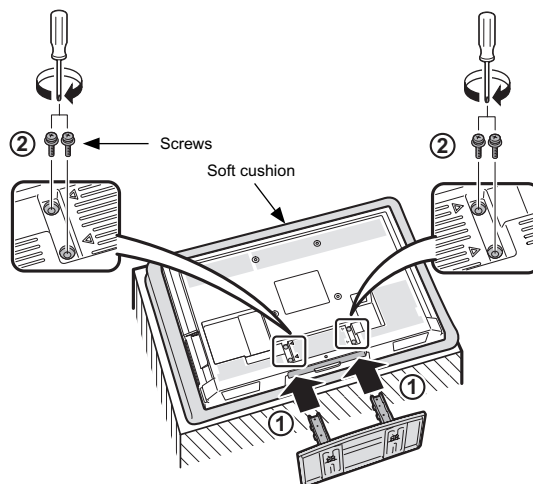


- 2
- ① Set the post for the stand unit onto the box.
 - ② Attach the base to the post.
 - ③ Insert and tighten the 8 screws into the 8 holes on the bottom of the base.
 - Hold the stand unit securely with one hand, and then tighten the screws.



- 3
- ① Insert the stand into the openings on the bottom of the TV.

- ② Insert and tighten the 4 screws into the 4 holes on the rear of the TV.



NOTE

- To detach the stand, perform the steps in reverse order.

Attaching the Stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

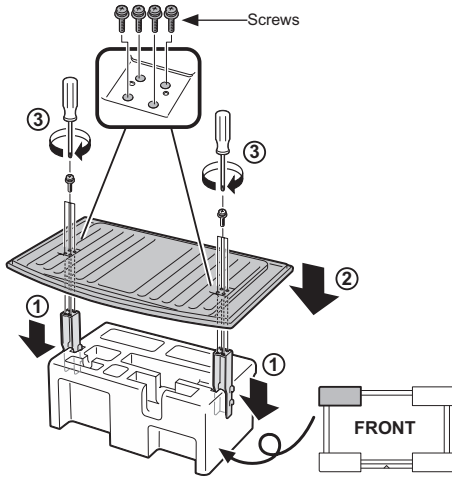
CAUTION

- **Attach the stand in the correct direction.**
- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**
- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

- 1 Confirm that there are 12 screws (all the same size) supplied with the stand unit.

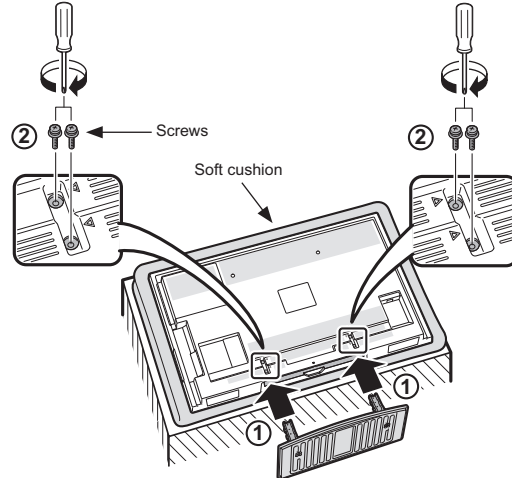


- 2 ① Set the post for the stand unit onto the box.
 ② Attach the base to the post.
 ③ Insert and tighten the 8 screws into the 8 holes on the bottom of the base.
- Hold the stand unit securely with one hand, and then tighten the screws.



- 3 ① Insert the stand into the openings on the bottom of the TV.

- ② Insert and tighten the 4 screws into the 4 holes on the rear of the TV.



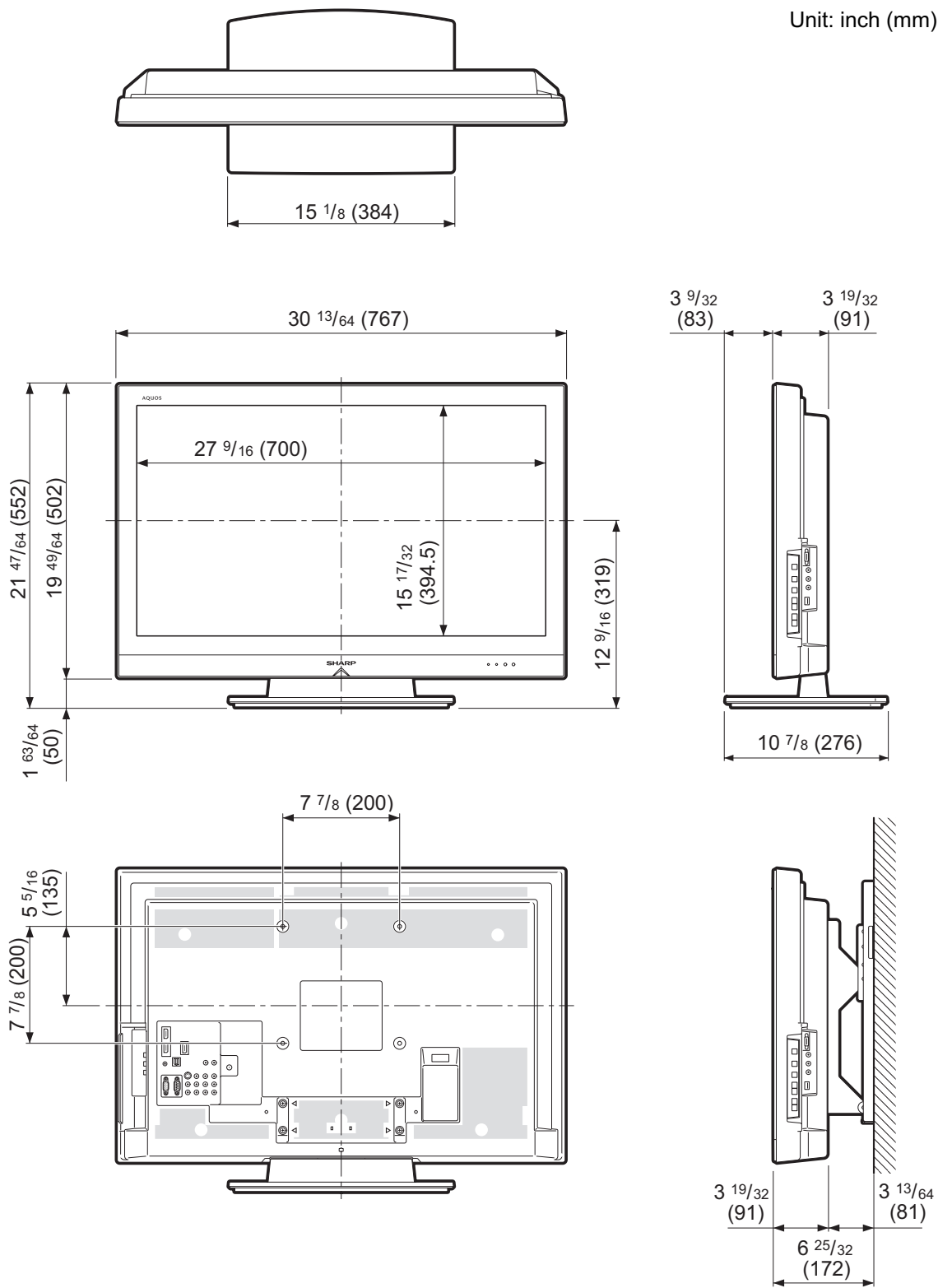
NOTE

- To detach the stand, perform the steps in reverse order.

CHAPTER 3. DIMENSIONS

[1] DIMENSIONS (LC-32LE700UN)

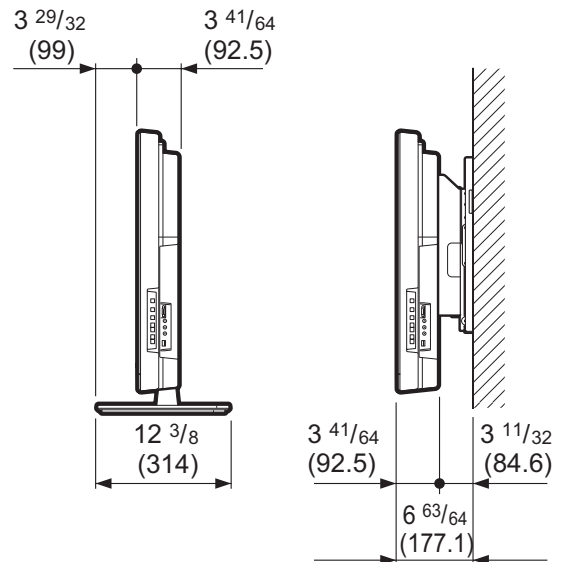
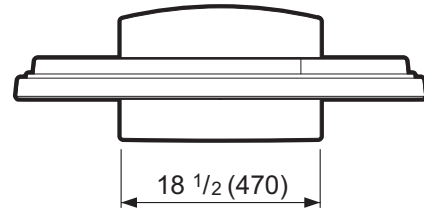
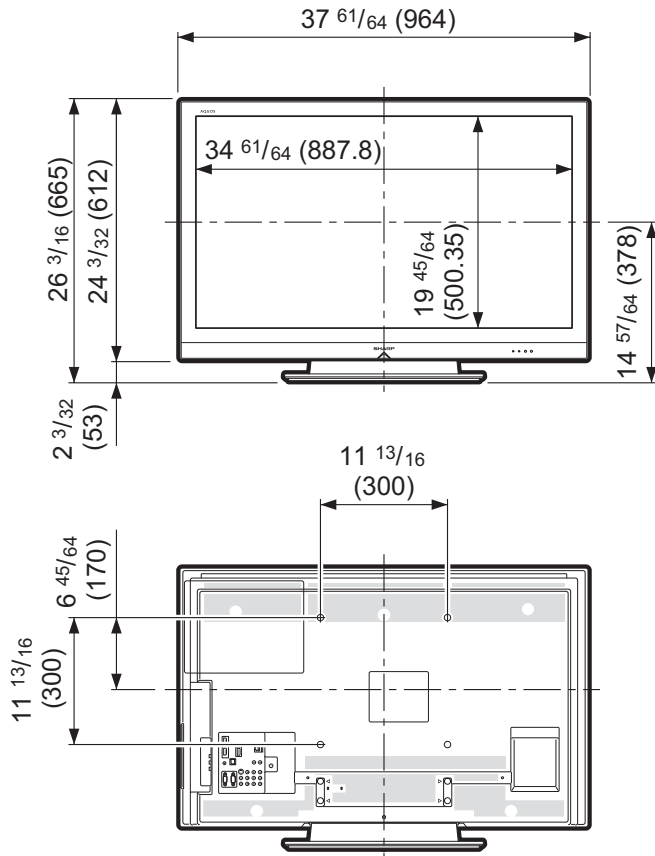
Unit: inch (mm)



AN-37AG5

[2] DIMENSIONS (LC-40LE700UN)

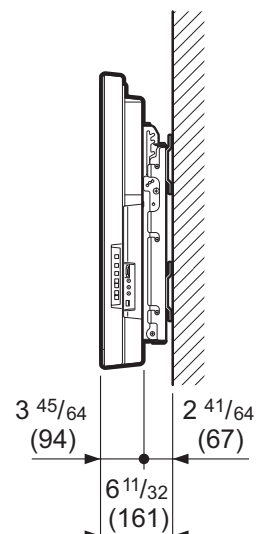
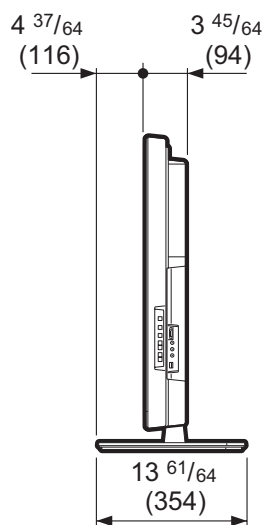
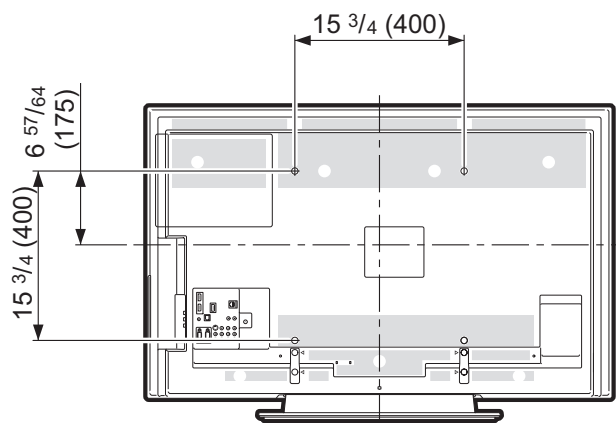
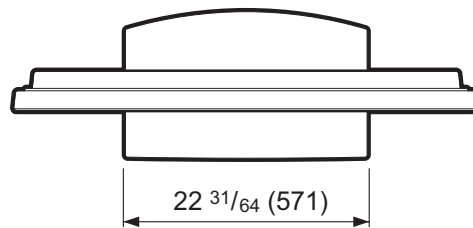
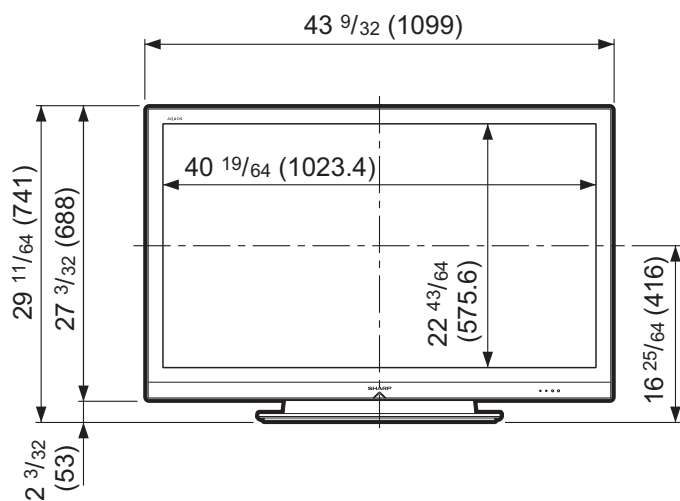
Unit: inch (mm)



AN-37AG2
+
AN-37P30

[3] DIMENSIONS (LC-46LE700UN)

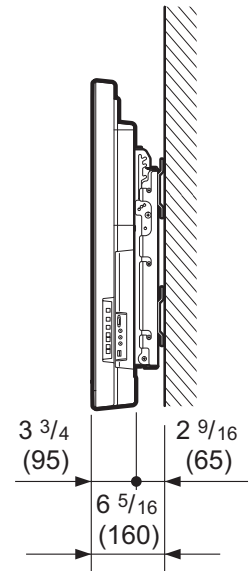
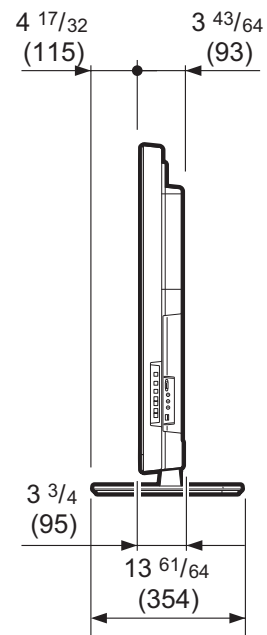
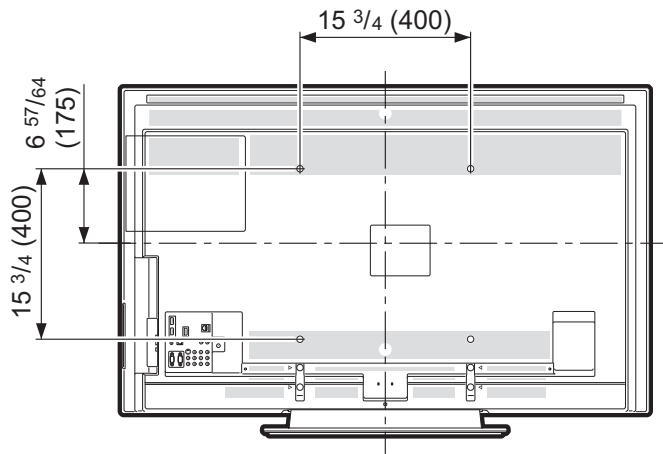
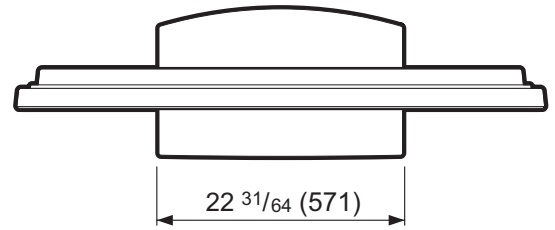
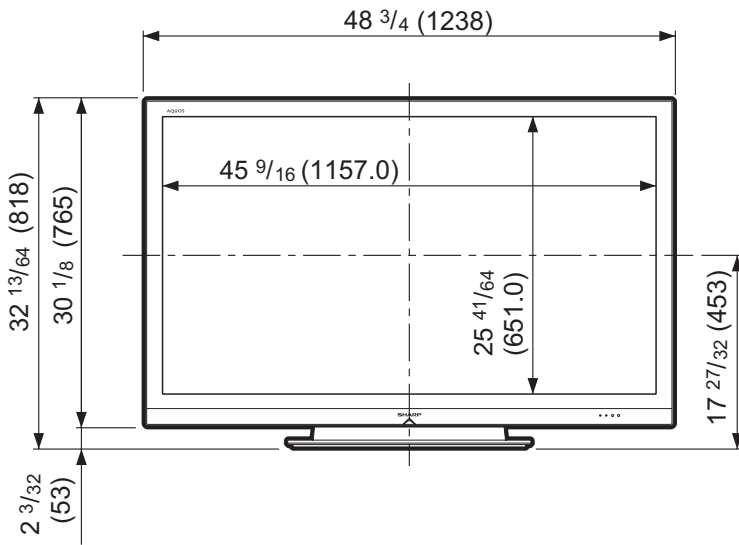
Unit: inch (mm)



AN-52AG4

[4] DIMENSIONS (LC-52LE700UN)

Unit: inch (mm)



AN-52AG4

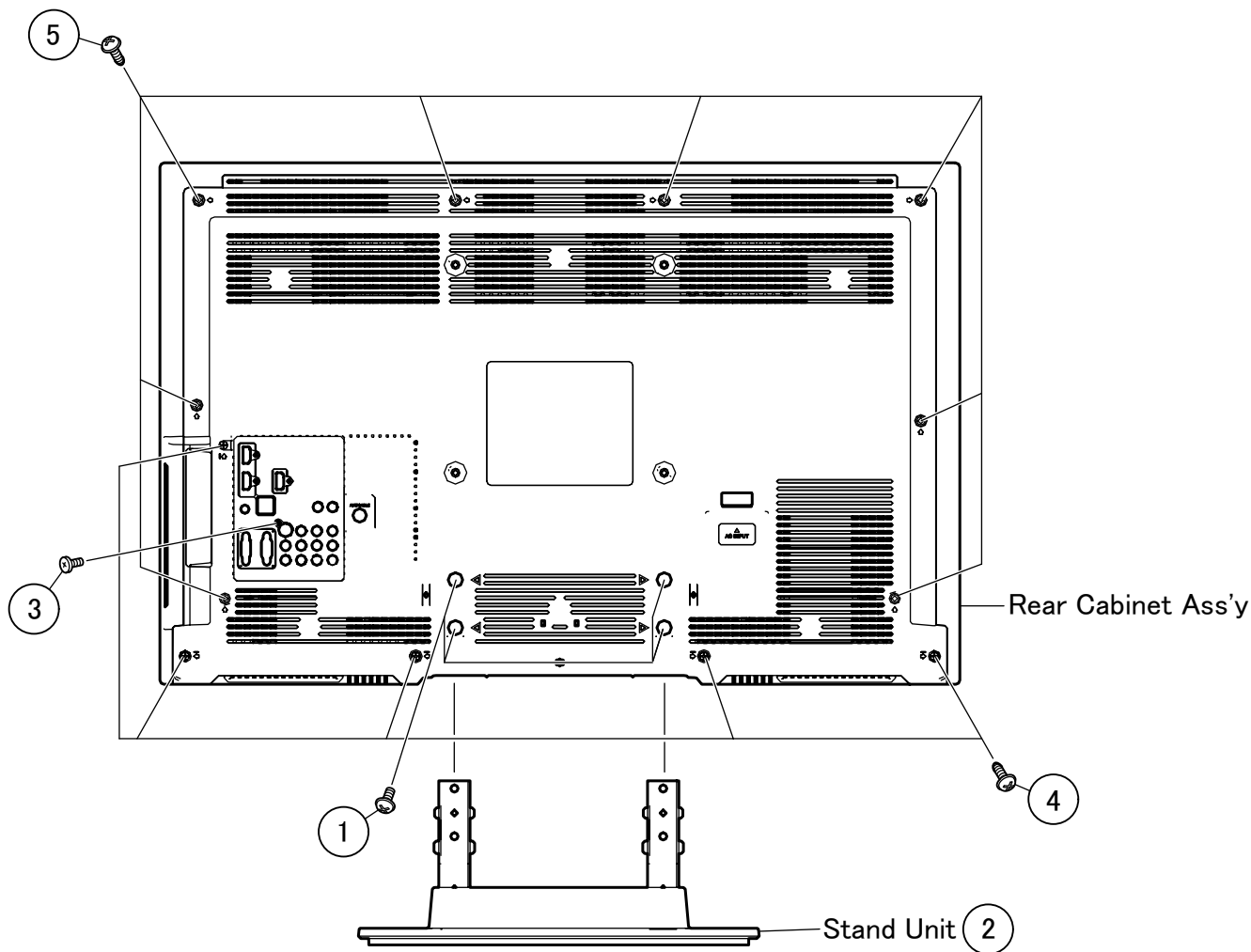
CHAPTER 4. REMOVING OF MAJOR PARTS

[1] REMOVING OF MAJOR PARTS

1. Removing of Stand Unit and Rear Cabinet Ass'y.

(LC-32LE700UN)

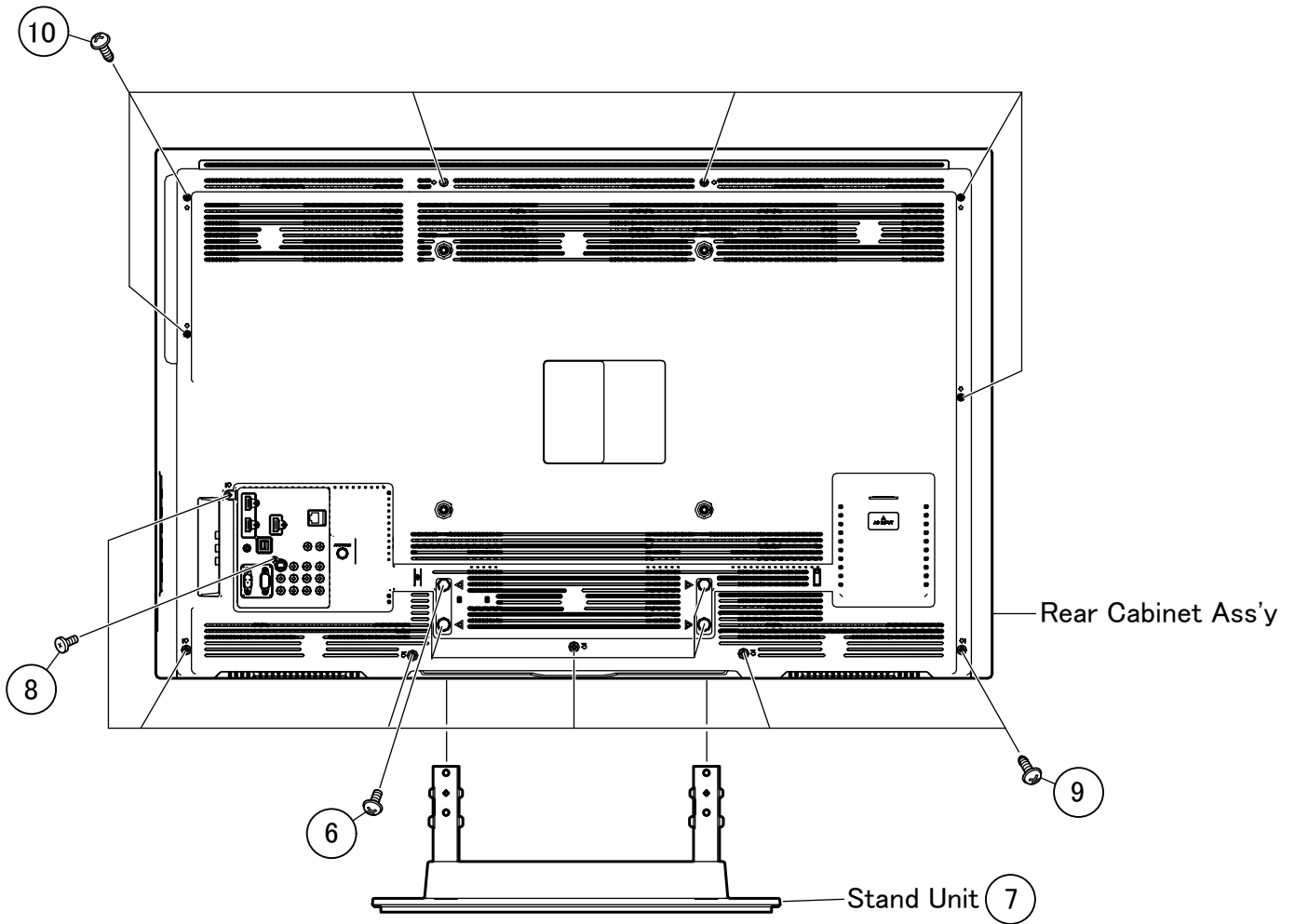
1. Remove the 4 lock screws ① and detach the Stand Unit ②.
2. Remove the 1 lock screw ③, 5 lock screws ④, 8 lock screws ⑤ and detach the Rear Cabinet Ass'y.



LC-32/40/46/52LE700UN

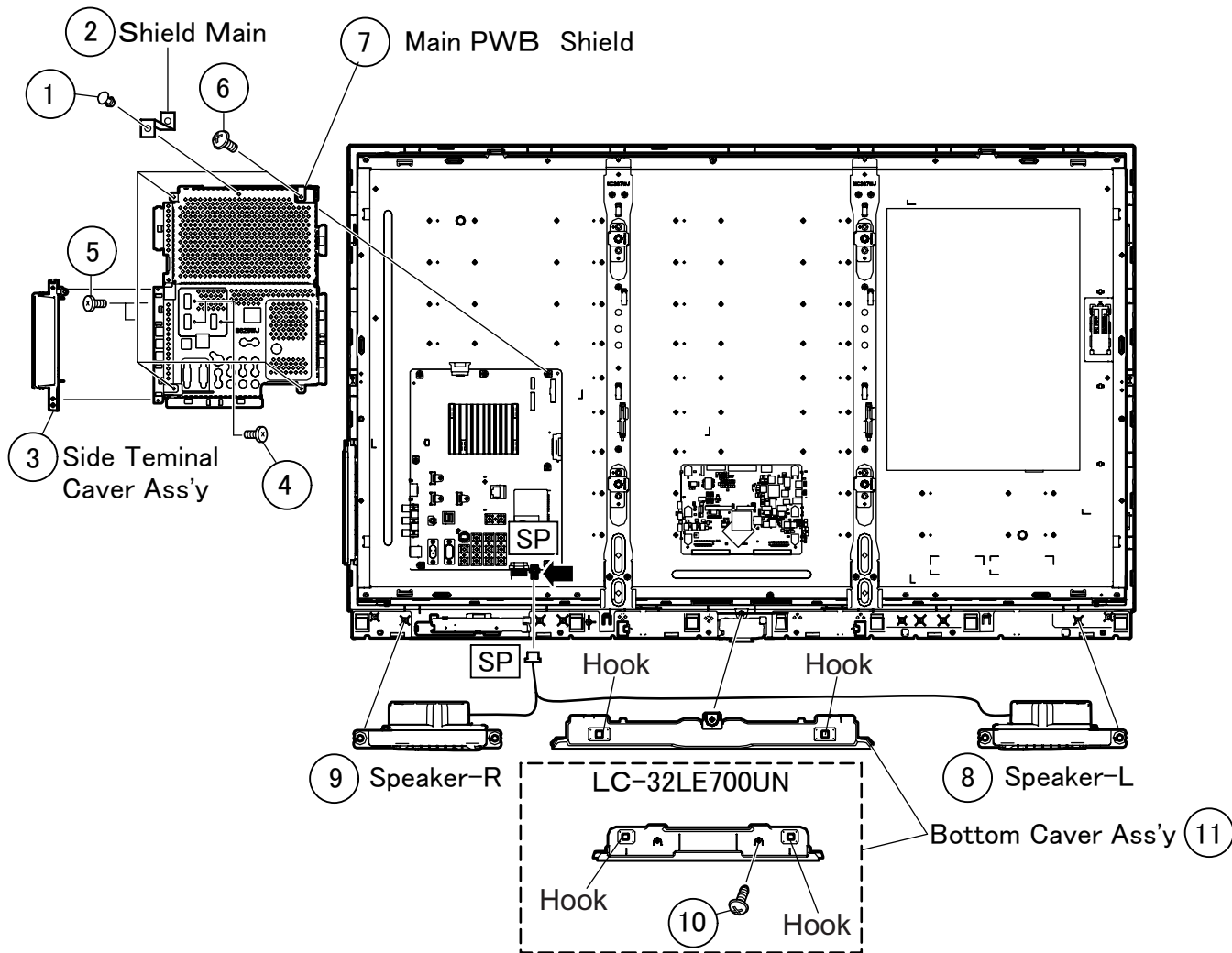
(LC-40/46/52LE700UN)

3. Remove the 4 lock screws ⑥ and detach the Stand Unit ⑦.
4. Remove the 1 lock screw ⑧, 6 lock screws ⑨, 6 lock screws ⑩ and detach the Rear Cabinet Ass'y.



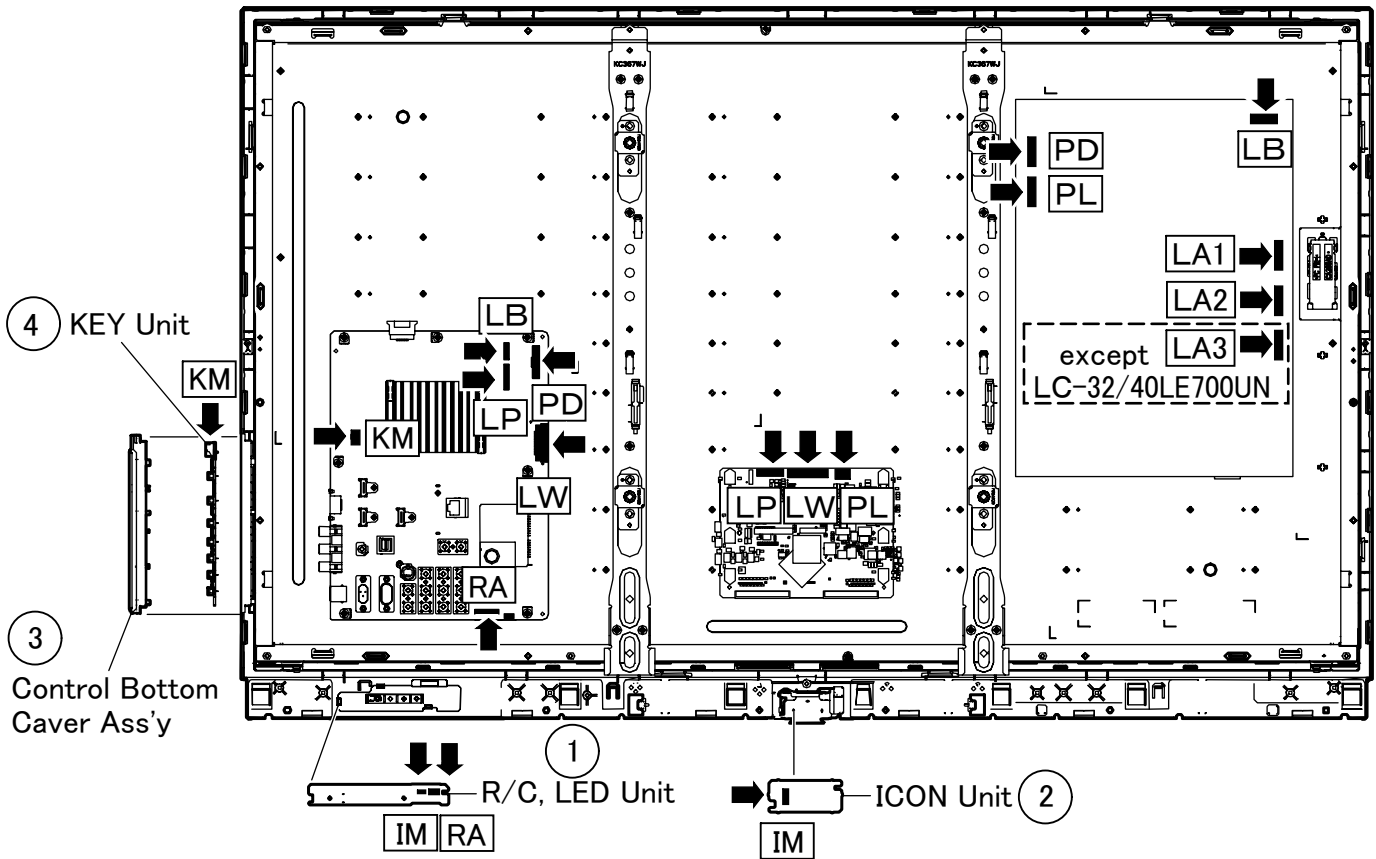
2. Removing of Side Terminal Cover Ass'y, Main PWB Shield, Speaker-L/R and Bottom Cover Ass'y.

1. Remove the rivet ① and detach the Shield Main ②.
2. Detach the Side Terminal Cover Ass'y ③.
3. Remove the 3 lock screws ④, 2 lock screws ⑤ and 4 lock screws ⑥ and detach the Main PWB Shield ⑦.
4. Disconnect SP wire.
5. Detach the Speaker-L ⑧, Speaker-R ⑨.
6. Remove the 1 lock screw (LC-32LE700UN Only) ⑩, 2 hooks and detach the Bottom Cover Ass'y ⑪.



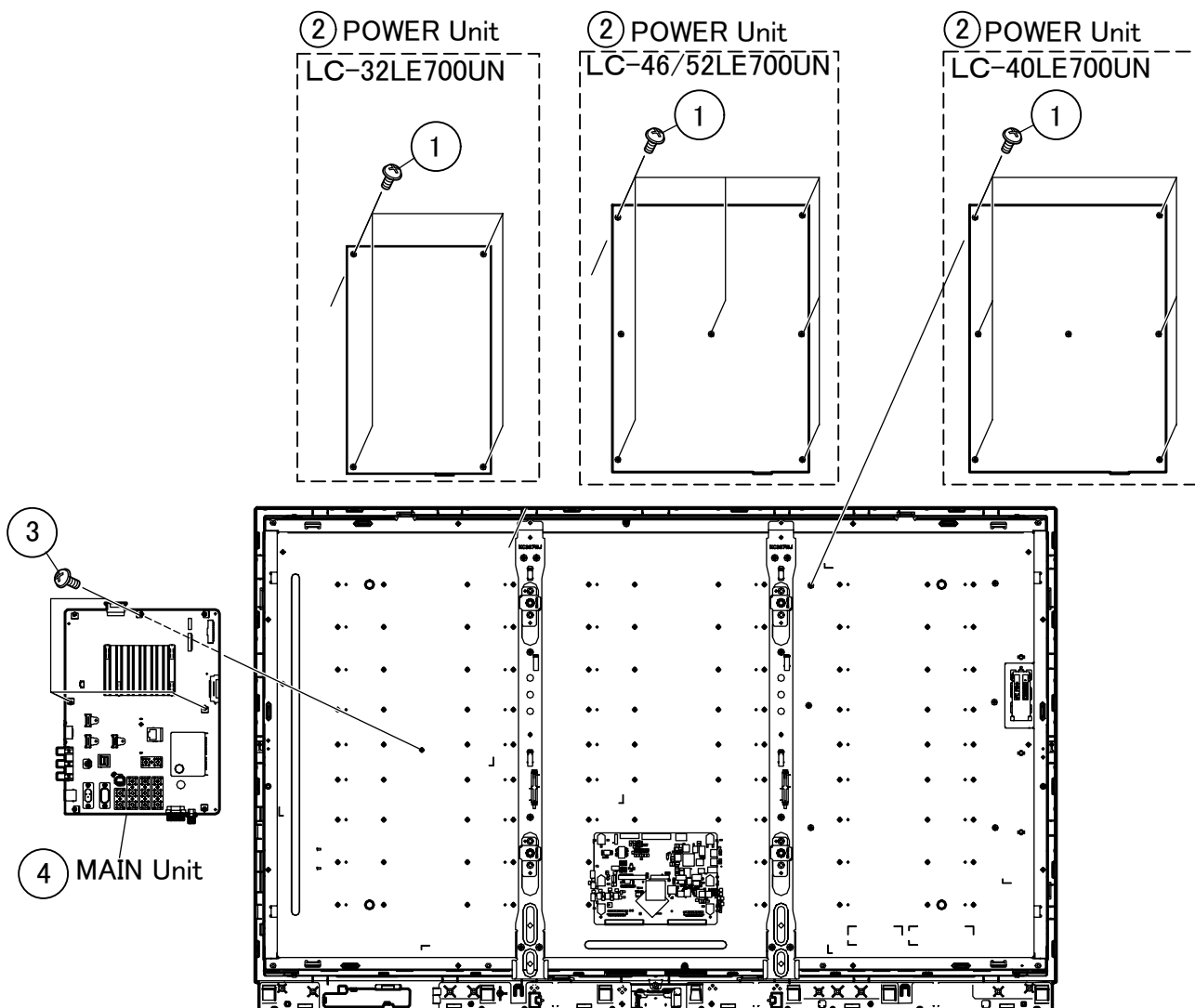
3. Removing of Connectors, R/C, LED Unit, ICON Unit and Control Bottom Cover Ass'y.

1. Disconnect the following connectors from the MAIN Unit. (RA, LB, PD, KM, LP, LW)
2. Disconnect the following connectors from the POWER Unit. (PD, PL, LB, LA1, LA2, LA3 (except for LC-32/40LE700UN))
3. Disconnect the following connectors from the LCD Control Unit. (LP, LW, PL)
4. Detach the R/C, LED Unit ①.
5. Detach the ICON Unit ②.
6. Disconnect the following connectors from the R/C, LED Unit. (RA, IM)
7. Disconnect the following connector from the ICON Unit. (IM)
8. Detach the Control Bottom Cover Ass'y ③.
9. Disconnect the KEY Unit ④ from the Control Bottom Cover Ass'y ③ and disconnect the connection cord from the KM Connector.



4. Removing of POWER Unit and MAIN Unit.

1. Remove the 4 lock screws (LC-32LE700UN) ①, 6 lock screws (LC-40/46/52LE700UN) ① and detach the POWER Unit ②.
2. Remove the 3 lock screws ③ and detach the MAIN Unit ④.



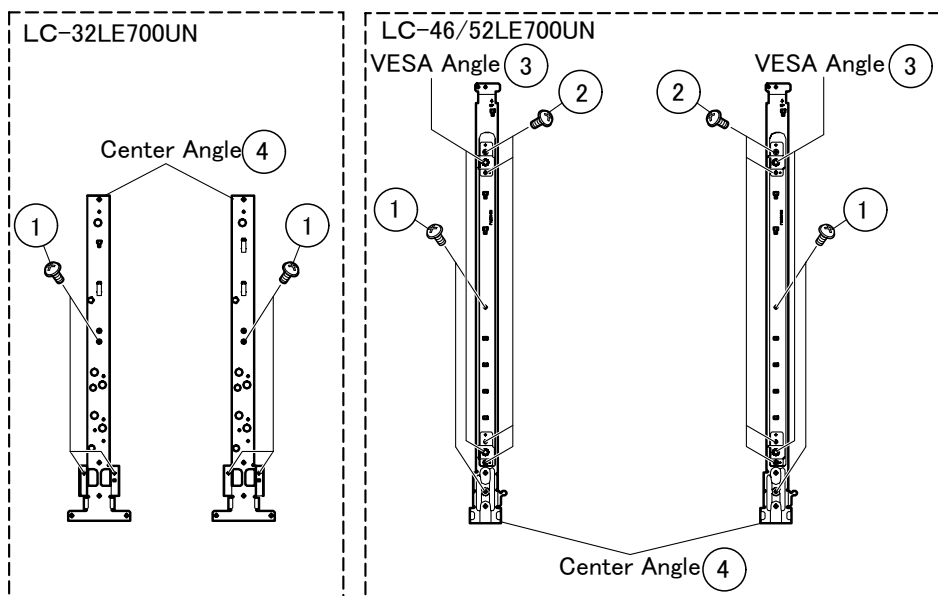
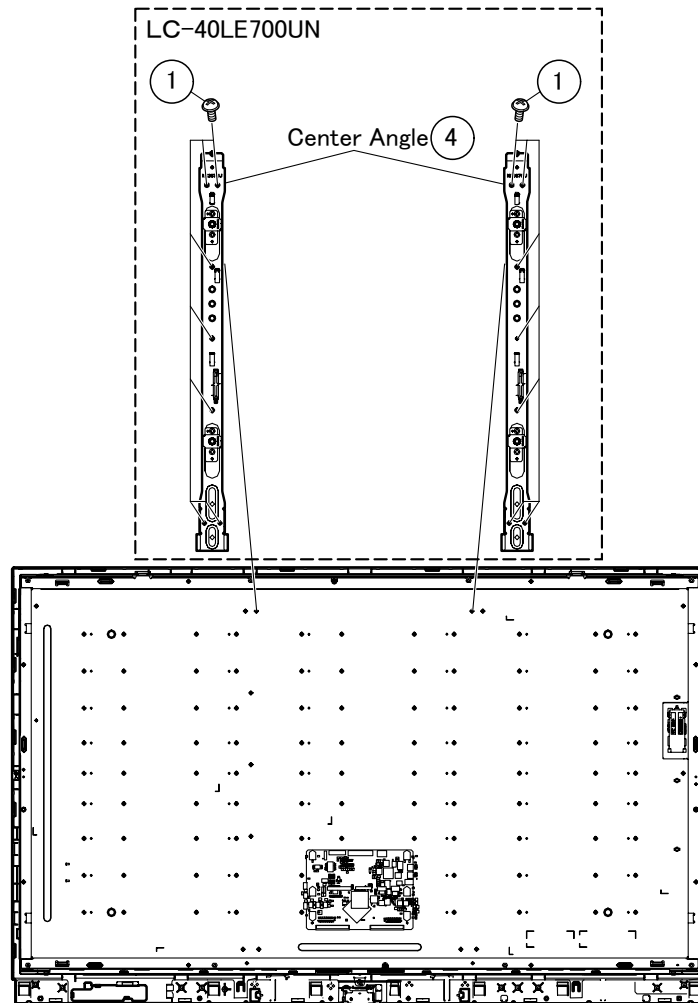
5. Removing of Center Angle.

LC-32/40LE700UN

1. Remove the 6 lock screws (LC-32LE700UN) ①, 14 lock screws (LC-40LE700UN) ① and detach the Center Angle ④ .

LC-46/52LE700UN

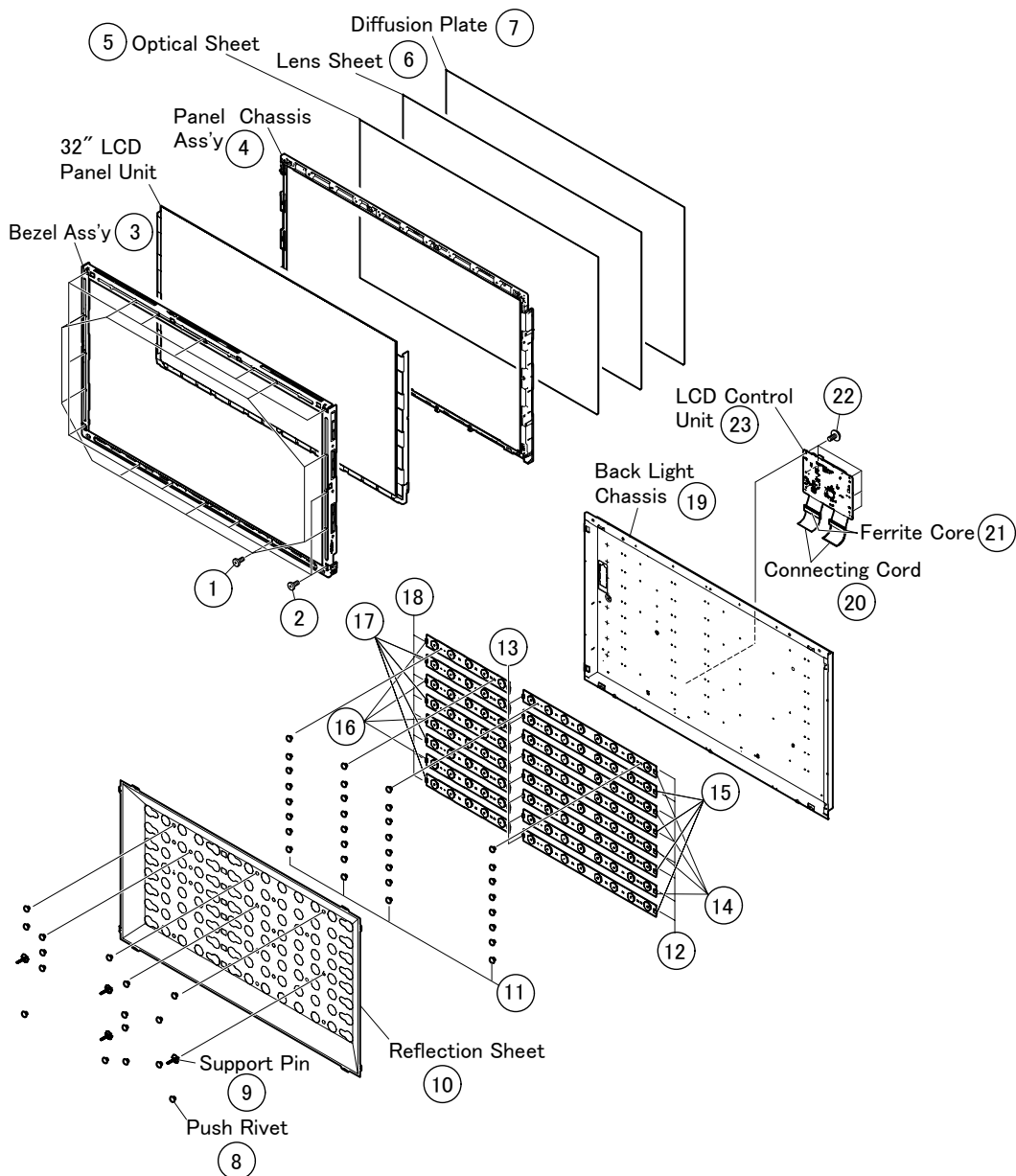
2. Remove the 4 lock screws ① and 8 lock screws ② and detach the VESA Angle ③ and Center Angle ④.



6. Removing of Bezel Ass'y, Panel Chassis Ass'y, Optical Sheet, Lens Sheet, Diffusion Plate, Back Light Chassis and LCD Control Unit (LC-32LE700UN).

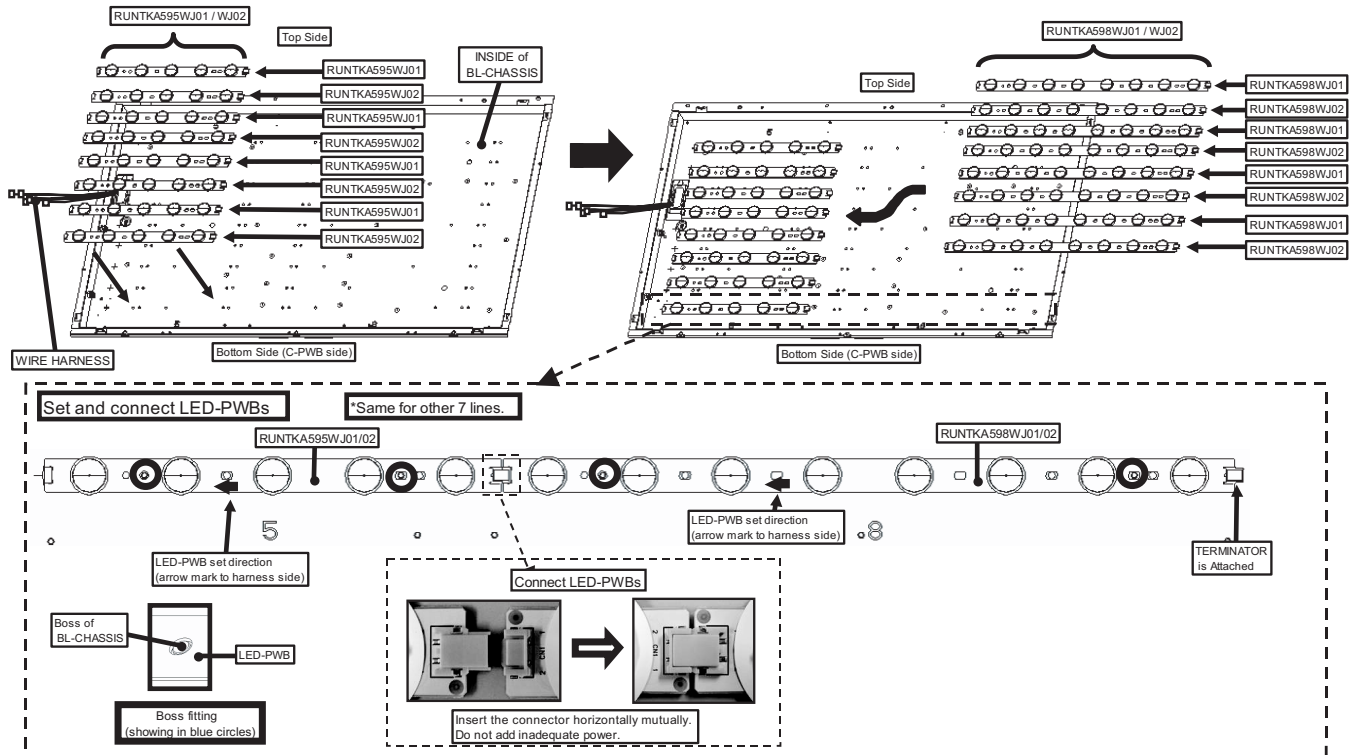
NOTE: A clean booth is required for repair of the component units and/ or parts (LCD Panel HIRAKI, LED PWB etc.) inside the LCD panel module unit.

1. Remove the 10 lock screws ①, 10 lock screws ② and detach the Bezel Ass'y ③.
2. Detach the 32" LCD Panel Module and Panel Chassis Ass'y ④.
3. Detach the Optical sheet ⑤ and Lens Sheet ⑥ and Diffusion Plate ⑦.
4. Remove the 16 Push Rivets ⑧ and 4 Support Pins ⑨ and detach the Reflection Sheet ⑩.
5. Remove the 32 Push Rivets ⑪.
6. Remove the 8 Terminators ⑫ and 8 connections ⑬ and detach the 4 LED8 PWB1 Units ⑭ and 4 LED8 PWB2 Units ⑮.
7. Detach the 4 LED5 PWB1 Units ⑯ and 4 LED5 PWB2 Units ⑰.
8. Disconnect the connecting cords from the 8 connectors ⑱ of the LED5 PWB1/2 Unit.
9. Detach the Back Light Chassis ⑲.
10. Detach the 2 Connecting Cord ⑳ and 2 Ferrite Core ㉑.
11. Remove the 6 lock screws ㉒ and detach the LCD Control Unit ㉓.



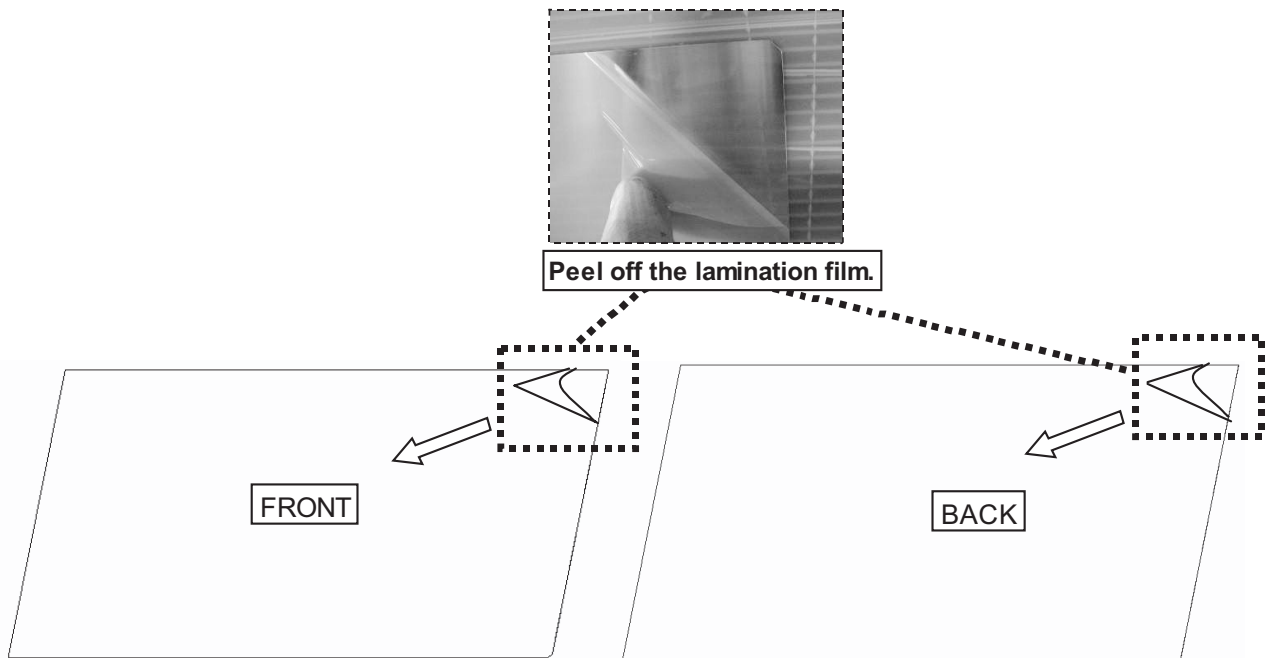
7. Handling notes (LC-32LE700UN).

1. Set and connect LED-PWBs.



2. Peel off the lamination film of LENS SHEET on the both sides.

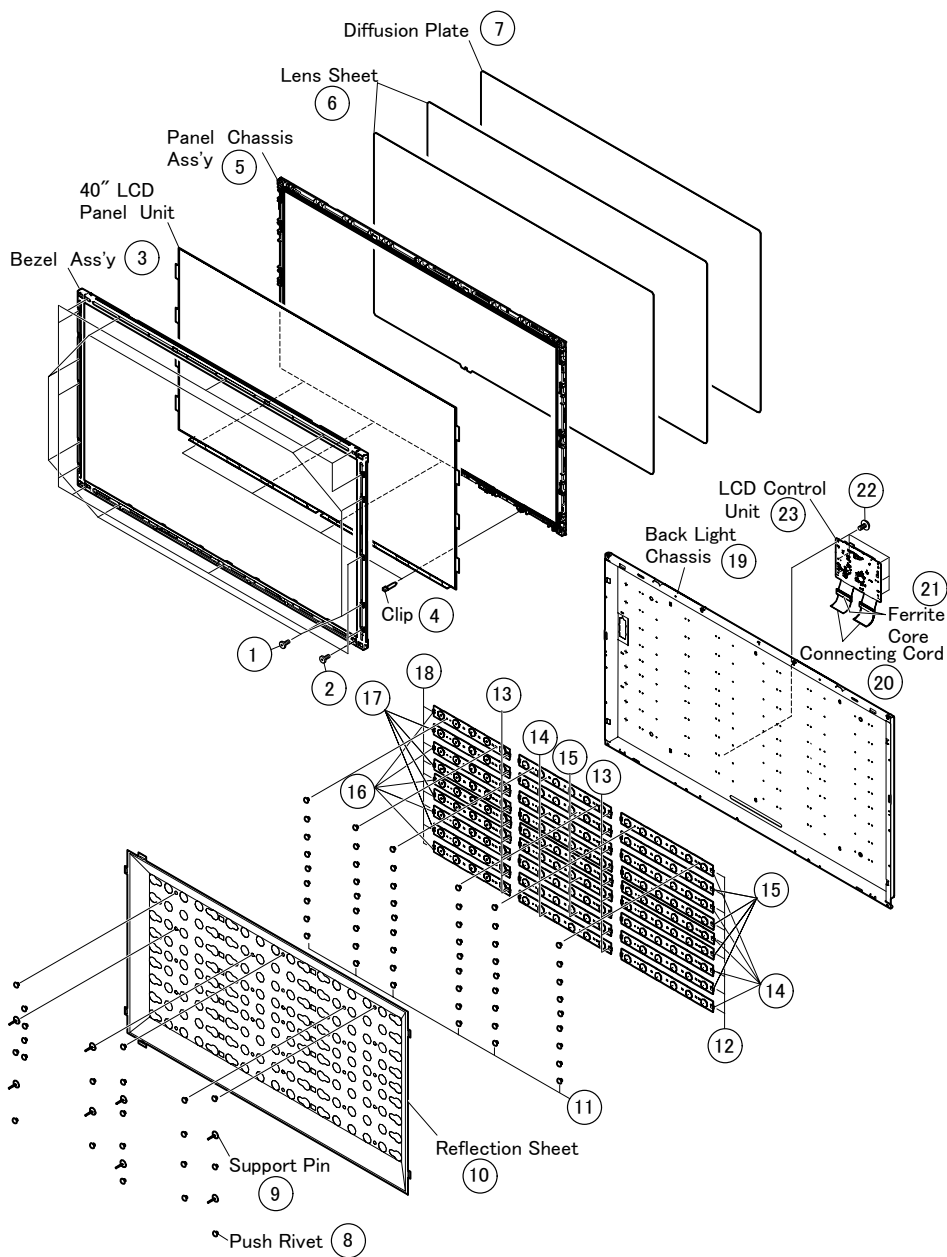
Peel off the lamination film of LENS SHEET on the both sides.



8. Removing of Bezel Ass'y, Panel Chassis Ass'y, Lens Sheet, Diffusion Plate, Back Light Chassis and LCD Control Unit (LC-40LE700UN).

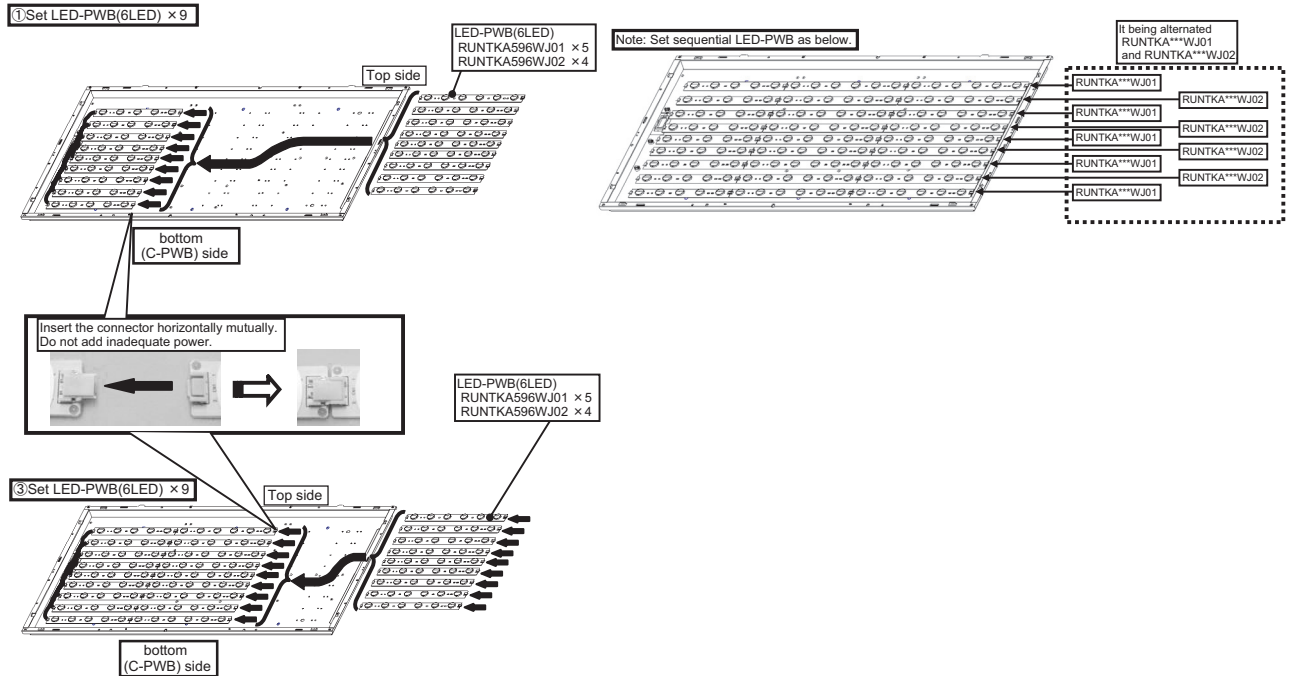
NOTE: A clean booth is required for repair of the component units and/ or parts (LCD Panel HIRAKI, LED PWB etc.) inside the LCD panel module unit.

1. Remove the 8 lock screws ①, 12 lock screws ② and detach the Bezel Ass'y ③.
2. Remove the 4 Clip ④ and detach the 40" LCD Panel Module and Panel Chassis Ass'y ⑤.
3. Detach the 2 Lens Sheet ⑥ and Diffusion Plate ⑦.
4. Remove the 21 Push Rivets ⑧ and 8 Support Pins ⑨ and detach the Reflection Sheet ⑩.
5. Remove the 54 Rivets ⑪.
6. Remove the 9 Terminators ⑫ and 18 connections ⑬ and detach the 10 LED6 PWB1 Units ⑭ and 8 LED6 PWB2 Units ⑮.
7. Detach the 5 LED5 PWB1 Units ⑯ and 4 LED5 PWB2 Units ⑰.
8. Disconnect the connecting cords from the 9 connectors ⑱ of the LED5 PWB1/2 Unit.
9. Detach the Back Light Chassis ⑲.
10. Detach the 2 Connecting Cord ⑳ and 2 Ferrite Core ㉑.
11. Remove the 6 lock screws ㉒ and detach the LCD Control Unit ㉓.



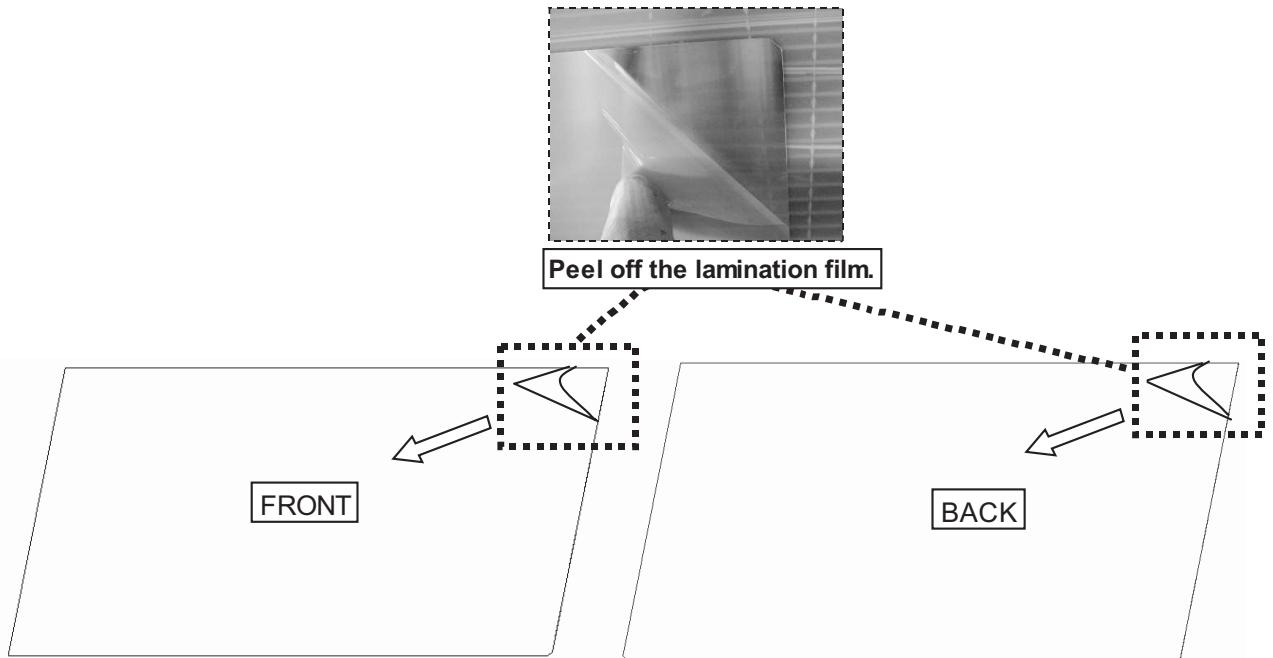
9. Handling notes (LC-40LE700UN).

1. Set and connect LED-PWBs.



2. Peel off the lamination film of LENS SHEET on the both sides.

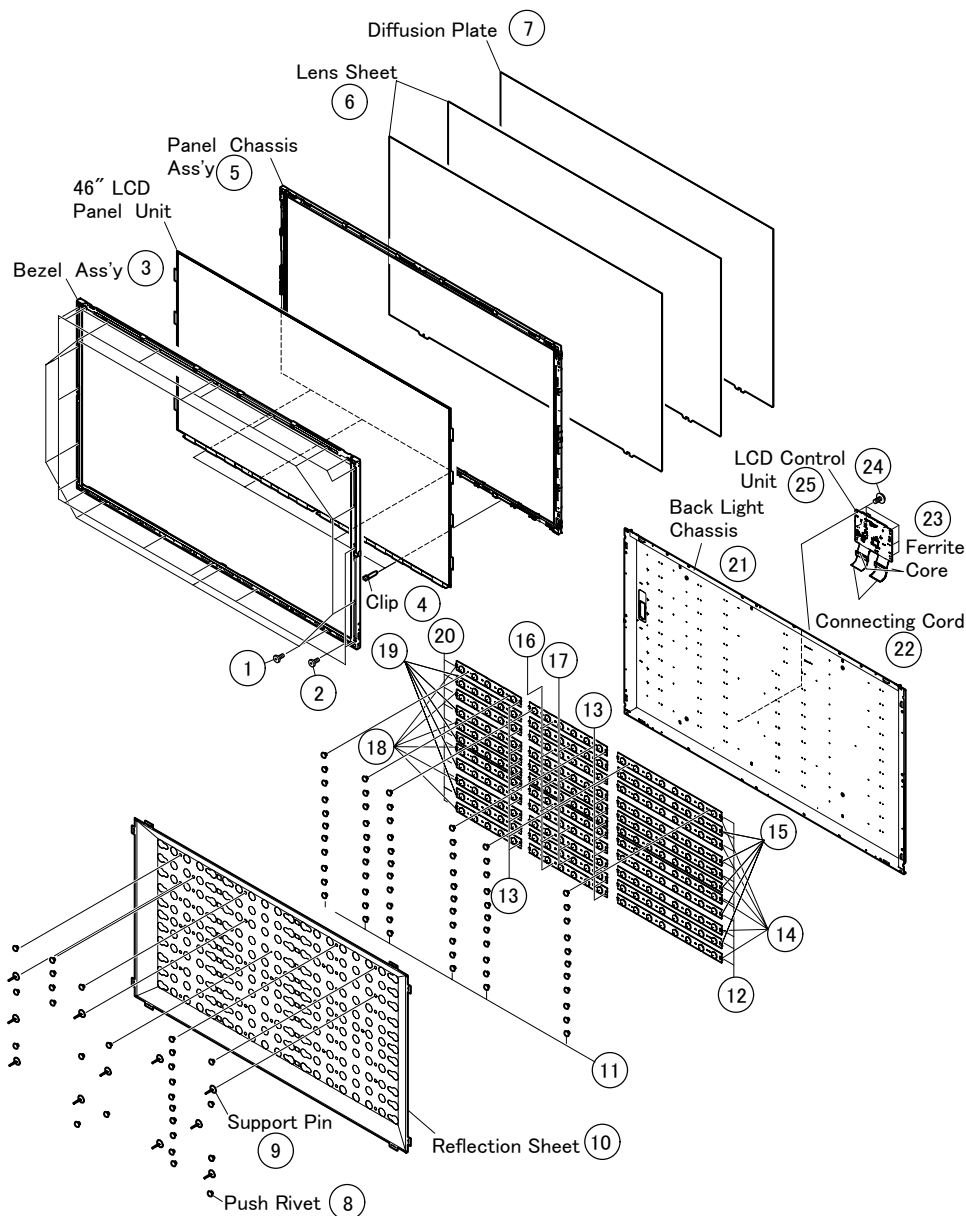
Peel off the lamination film of LENS SHEET on the both sides.



10. Removing of Bezel Ass'y, Panel Chassis Ass'y, Lens Sheet, Diffusion Plate, Back Light Chassis and LCD Control Unit (LC-46LE700UN).

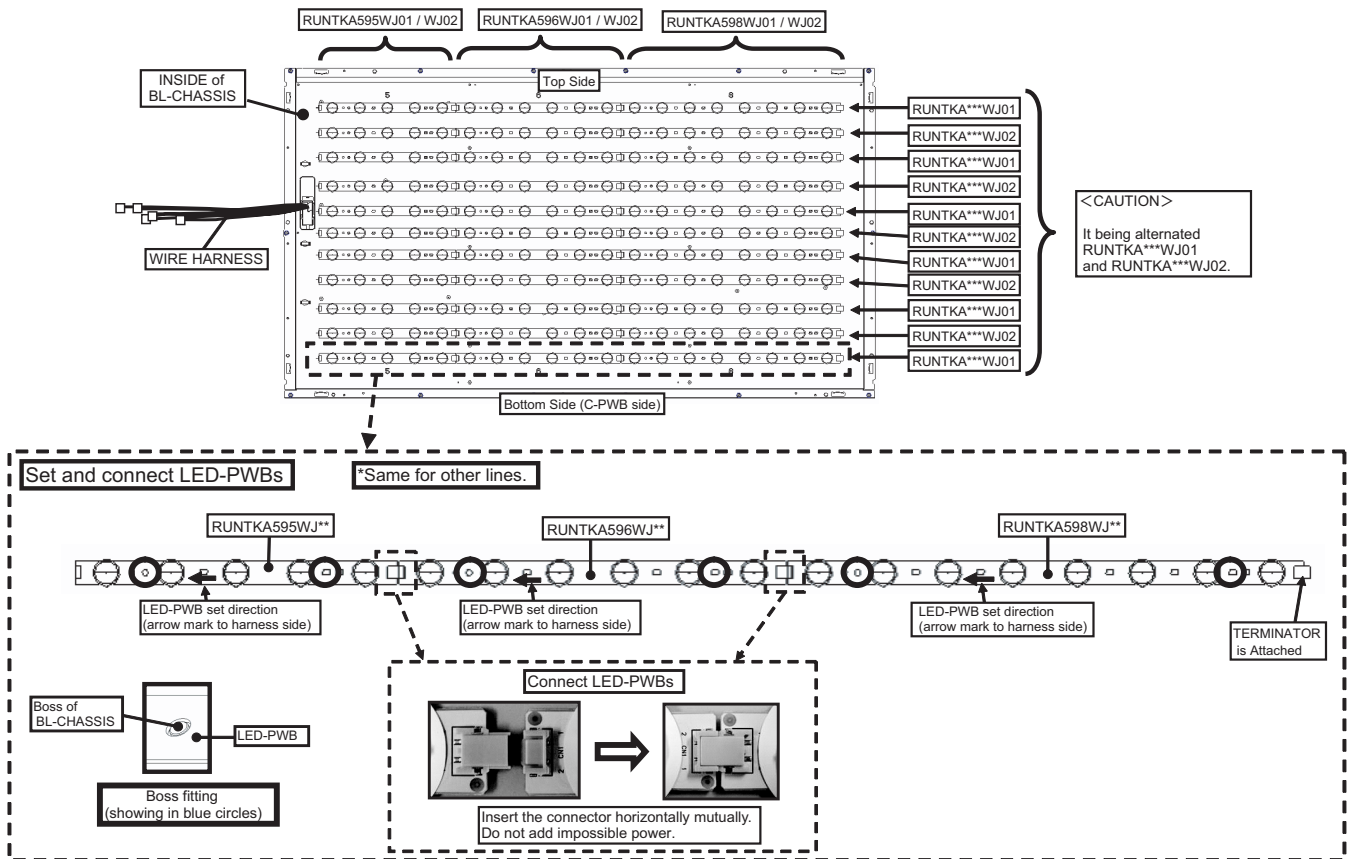
NOTE: A clean booth is required for repair of the component units and/ or parts (LCD Panel HIRAKI, LED PWB etc.) inside the LCD panel module unit.

1. Remove the 10 lock screws ①, 16 lock screws ② and detach the Bezel Ass'y ③.
2. Remove the 4 Clip ④ and detach the 46" LCD Panel Module and Panel Chassis Ass'y ⑤.
3. Detach the 2 Lens Sheet ⑥ and Diffusion Plate ⑦.
4. Remove the 32 Push Rivets ⑧ and 11 Support Pins ⑨ and detach the Reflection Sheet ⑩.
5. Remove the 66 Push Rivets ⑪.
6. Remove the 11 Terminators ⑫ and 22 connections ⑬ and detach the 6 LED8 PWB1 Units ⑭, 5 LED8 PWB2 Units ⑮, 6 LED6 PWB1 Unit ⑯ and 5 LED6 PWB2 Unit ⑰.
7. Detach the 6 LED5 PWB1 Units ⑱ and 5 LED5 PWB2 Units ⑲.
8. Disconnect the connecting cords from the 11 connectors ⑳ of the LED5 PWB1/2 Unit.
9. Detach the Back Light Chassis ㉑.
10. Detach the 2 Connecting Cord ㉒ and 2 Ferrite Core ㉓.
11. Remove the 6 lock screws ㉔ and detach the LCD Control Unit ㉕.



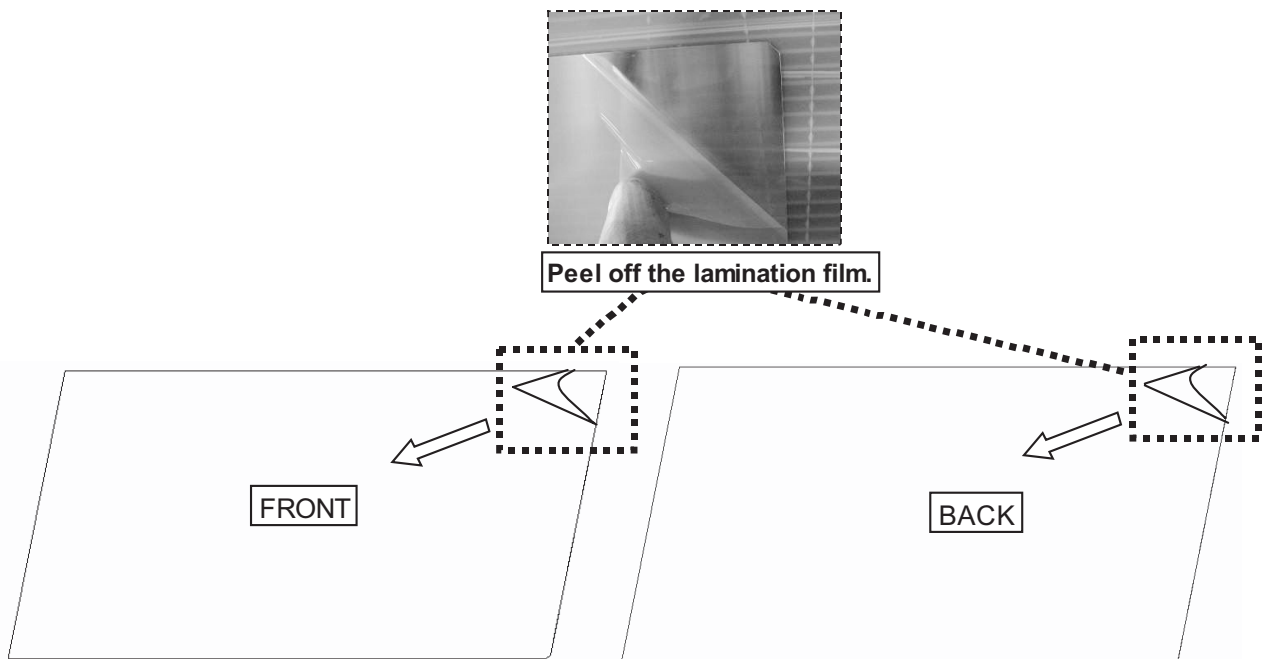
11. Handling notes (LC-46LE700UN).

1. Set and connect LED-PWBs.



2. Peel off the lamination film of LENS SHEET on the both sides.

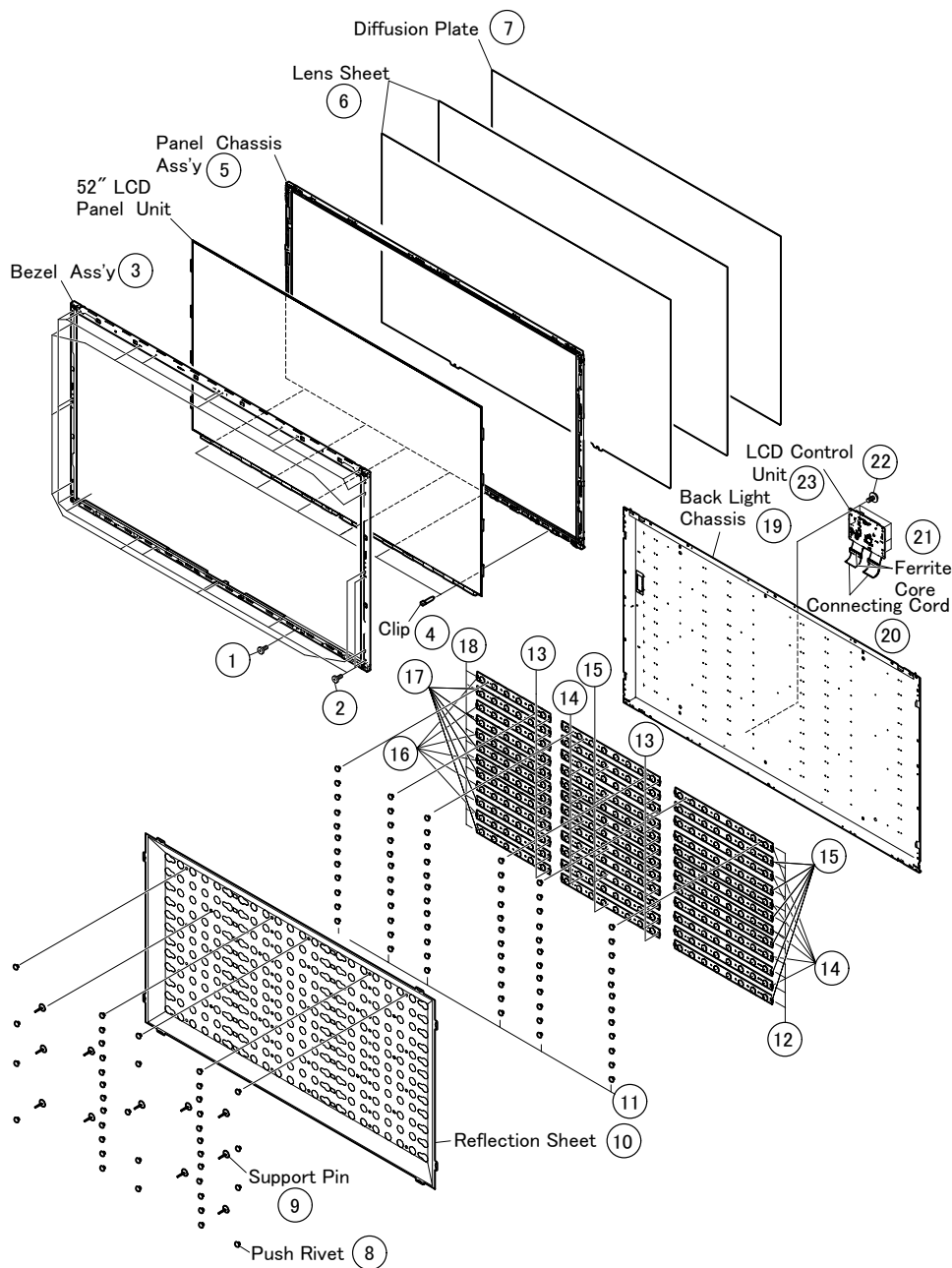
Peel off the lamination film of LENS SHEET on the both sides.



12. Removing of Bezel Ass'y, Panel Chassis Ass'y, Lens Sheet, Diffusion Plate, Back Light Chassis and LCD Control Unit (LC-52LE700UN).

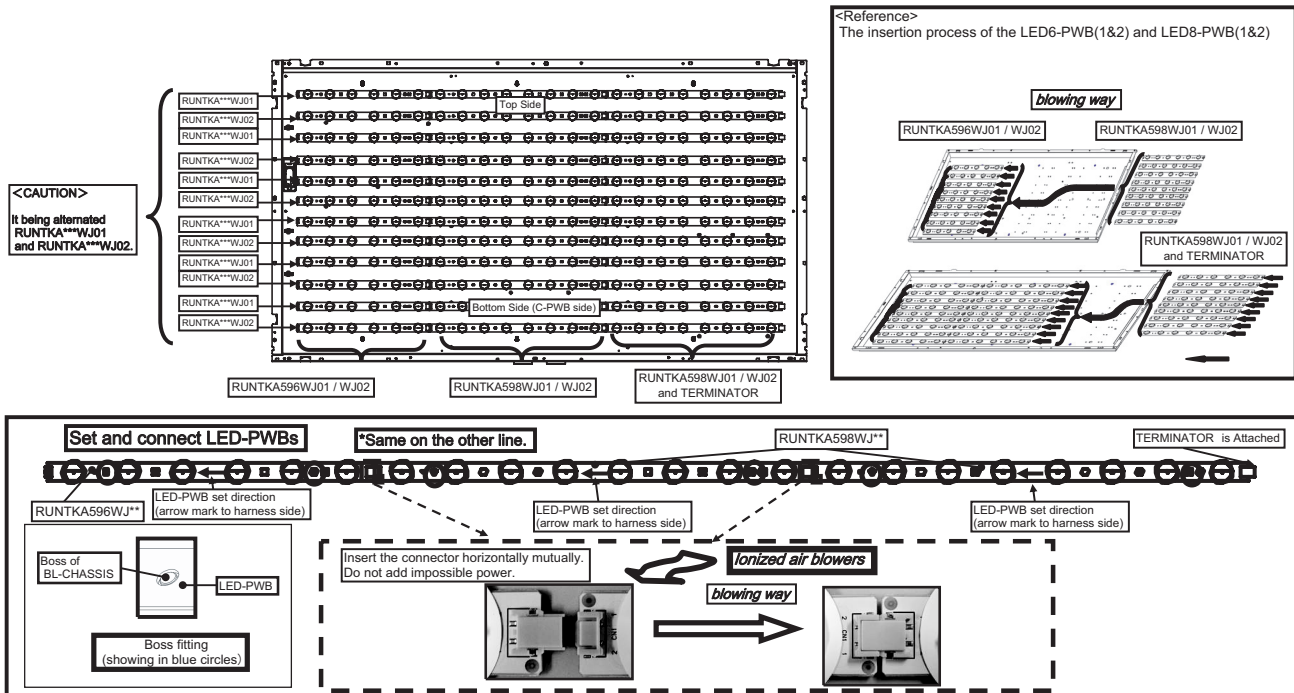
NOTE: A clean booth is required for repair of the component units and/ or parts (LCD Panel HIRAKI, LED PWB etc.) inside the LCD panel module unit.

1. Remove the 12 lock screws ①, 16 lock screws ② and detach the Bezel Ass'y ③.
2. Remove the 6 Clip ④ and detach the 52" LCD Panel Module and Panel Chassis Ass'y ⑤.
3. Detach the 2 Lens Sheet ⑥ and Diffusion Plate ⑦.
4. Remove the 43 Push Rivets ⑧ and 11 Support Pins ⑨ and detach the Reflection Sheet ⑩.
5. Remove the 72 Push Rivets ⑪.
6. Remove the 12 Terminators ⑫ and 24 connections ⑬ and detach the 12 LED8 PWB1 Units ⑭ and 12 LED8 PWB2 Units ⑮.
7. Detach the 6 LED6 PWB1 Units ⑯ and 6 LED6 PWB2 Units ⑰.
8. Disconnect the connecting cords from the 12 connectors ⑱ of the LED6 PWB1/2 Unit.
9. Detach the Back Light Chassis ⑲.
10. Detach the 2 Connecting Cord ⑳ and 2 Ferrite Core ㉑.
11. Remove the 6 lock screws ㉒ and detach the LCD Control Unit ㉓.

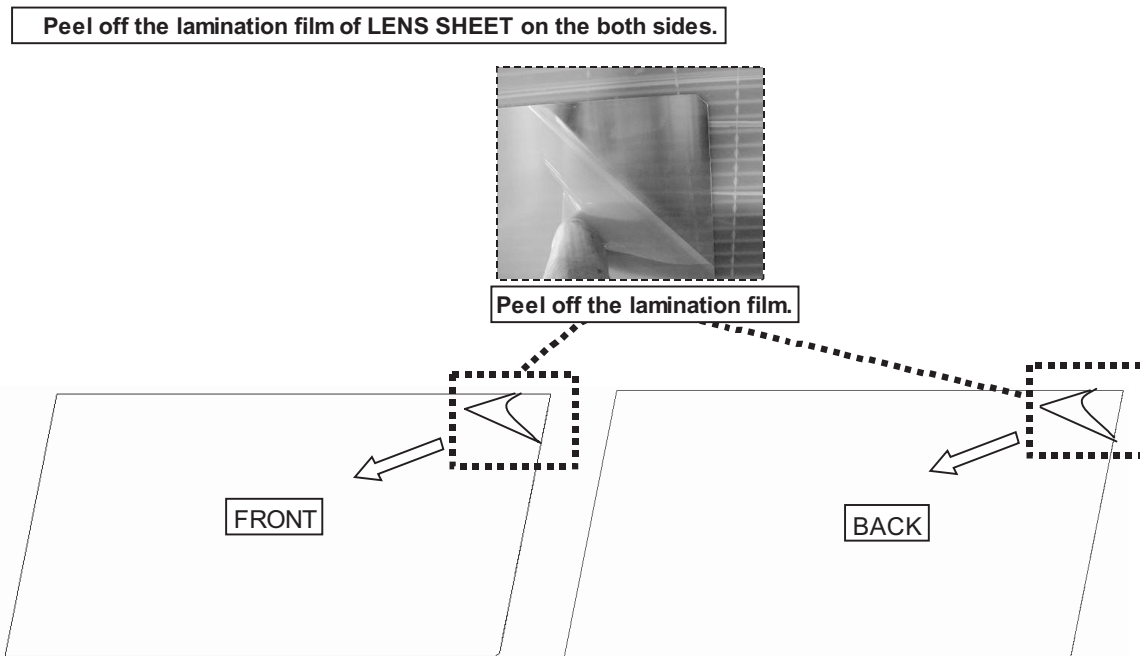


13. Handling notes (LC-52LE700UN).

1. Set and connect LED-PWBs.



2. Peel off the lamination film of LENS SHEET on the both sides.



14. Handling notes

Please note the following handling notes enough, when this product is used.

Moreover, please execute an enough evaluation (temperature rise and I/F match, etc.) and confirmations while installed in your product.

1. Since this product uses LED (light emitting diode). note the static electricity at handling, and do the countermeasure against static electricity of the body grounding etc.
2. Please do not give the stress by the fall, the impact, and the accumulation of product etc. when you handle the product.
3. The installation hole must be fixed at grade, and stresses such as "Warp" and "Twist" must not join the board when you install the board. Moreover, please do not work with the part LED, the diffusion lens, and the reflection sheet.

Please do not touch by the hand with the bord..the bar code and the serial number part...

- * Otherwise, it causes scratches/dirt adhesion.
4. Please put in parallel to the connector and horizontally, and insert it in the interior surely when you insert the connector. Moreover, please use gloves, etc. not to touch the connector terminal directory by bare-handed.
 5. Please turn off the power supply and the signal input to the board unit surely, when this product is inserted in or removes from the connector.
 - * Otherwise, it causes the part damage.
 6. Additionally, please observe notes of usual electronic parts.
 7. When the LED unit is handling and built into the equipment, long-term storage in the oxidation or reduced gas atmosphere or the use of use of materials such as the reagent that generates these steams of the oxidation or reduced gas, the solvent, adhesives, and resins might cause corrosion and discoloration.
 8. Time between turning on power and stabilizing brightness and Chromaticity. : 5min (60mA, at 25°C).

CHAPTER 5. ADJUSTMENT

[1] ADJUSTMENT PROCEDURE

The adjustment values are set to the optimum conditions at the factory before shipping. If a value should become improper or an adjustment is required due to part replacement, make an adjustment according to the following procedure.

1. After replacement of any PWB unit and/or IC for repair, please note the following.

- When replacing the following units, make sure to prepare the new units loaded with updated software.

MAIN Unit: DUNTKF282FM02 (LC-32LE700UN)
DUNTKF282FM01 (LC-40/46/52LE700UN)

- When replacing the LCD control PWB, perform the VCOM adjustment.

2. Upgrading of each microprocessor software

CAUTION: Never "POWER OFF" the unit when software upgrade is ongoing.

Otherwise the system may be damaged beyond recovery.

2.1. Software version upgrade

The model employs the following software.

- Main software (please use a software version after HLNRBxxx.USB (32"HLNRCxxx.USB).)
- Monitor microprocessor software (please use a software version after HLNRA0x.USB and HLNRMxxx.BIN.)

The main software, monitor microprocessor software can be upgraded by using a general-purpose USB Memory.

The followings are the procedures for upgrading, explained separately for the main software, monitor microprocessor software.

2.2. Main software version upgrade

2.2.1 Get ready before you start

- USB Memory of 128MB or higher capacity.
- PC running on Windows 98/98SE/ME/2000/XP operating system.
- USB Memory reader/writer or PC with a USB port.
- The file system of a USB memory is FAT. (FAT32 supports)
- Use the USB memory without other functions. (lock and memory reader...etc)

2.2.2 Preparations

To upgrade the main software, it is necessary to get ready the USB Memory for version upgrade before you start.

Follow the steps below and create the USB Memory for version upgrade.

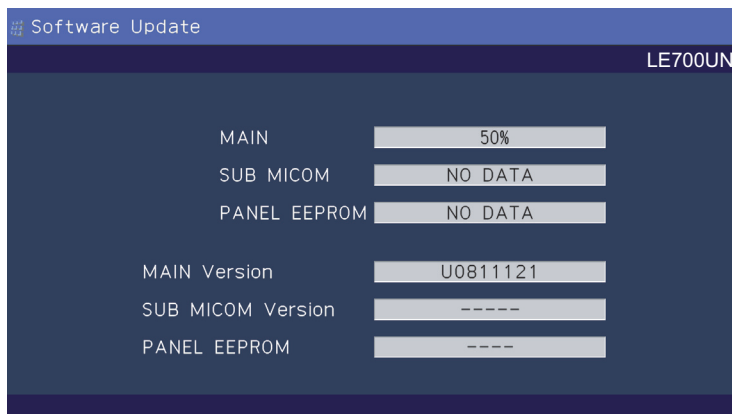
1. Copy the file HLNRBxxx.USB (32"HLNRCxxx.USB). for version upgrade to the root directory (folder) of the USB Memory.

NOTE: In the USB Memory drive, do not store other folders or unrelated files, or more than one file for version upgrade.

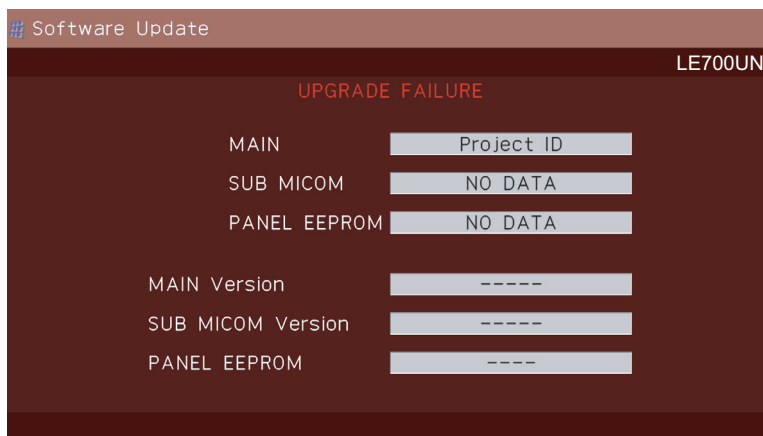
Now the USB Memory for version upgrade is ready.

2.2.3 How to upgrade the software

1. Unplug the AC cord.
2. Insert the USB Memory for version upgrade (prepared as above) into the service socket located Right side of Main Board terminals, under INPUT3 terminal.
3. Plug in the AC cord with power button pressed down after 5 seconds, unpress the power button.
4. After the unit startup, the system upgrade screen as shown below appears within 20-40 seconds.

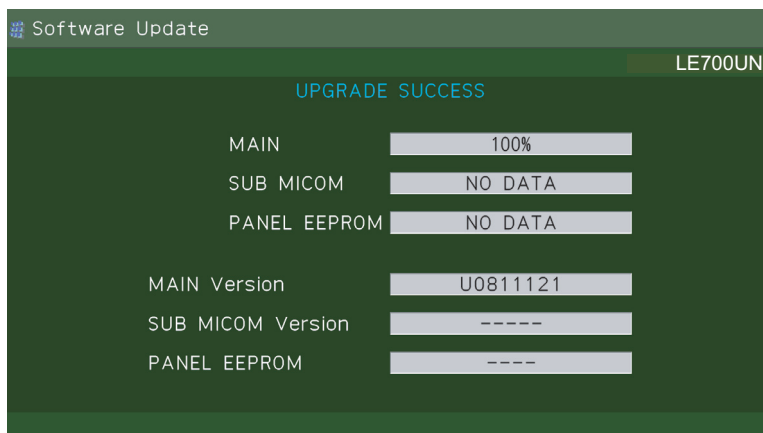


5. Even a single failure in the process will trigger the upgrade failure screen.



NOTE: In the event of a failure, repeat the upgrade process. If the process repeatedly fails, it is likely that the hardware need fixing.

6. Upon completion of the whole process, the upgrade success screen as shown below appears. You can check the new software version on this screen. The version information appears after the upgrade is complete.



7. Unplug the AC cord and remove the USB Memory for version upgrade.
8. Now the software version upgrade is complete.

NOTE: When you are done with the software version upgrade, start the set, go to the top page of the adjustment process screen and check the main software version information.

2.3. Monitor microprocessor software version upgrade

Create the USB memory for monitor microprocessor software version upgrade in the same manner as explained in the “Main software version upgrade”.

Copy the file HLNRV0x.USB and HLNRMxxx.BIN (named temporarily) for monitor microprocessor software version upgrade to the USB memory.

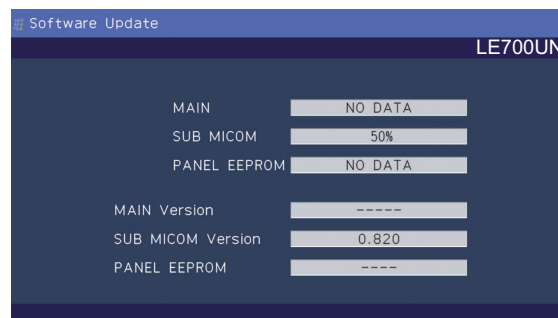
2.3.1 How to upgrade the software

1. Unplug the AC cord.
2. Insert the USB Memory for version upgrade (prepared as above) into the service socket located Right side of Main Board terminals, under INPUT3 terminal.
3. Plug in the AC cord with power button pressed down.
4. After 5 seconds, unpress the power button.

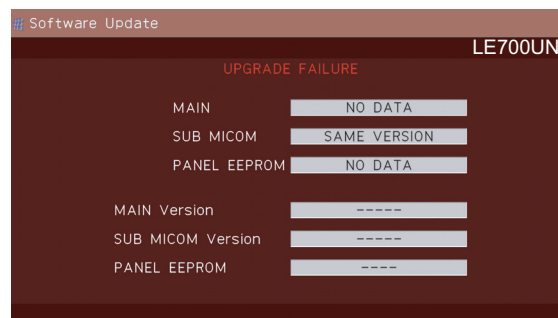
CAUTION: • The moment this operation is done, the upgrading of the monitor microprocessor software starts. While the upgrade is ongoing, never power off the unit. Otherwise the upgrade will fail and the system may be serious damaged beyond recovery (inability to start).

- After the monitor microprocessor software is upgraded, also perform the 'Industry Init'.

5. After the unit startup, the upgrade starts. The power led will blink continuously. Also, an upgrade screen will be shown during a minor upgrade.

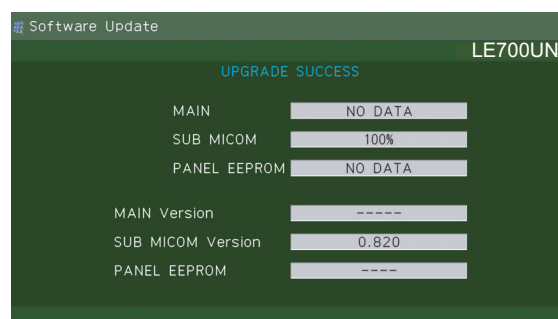


6. If the upgrade fails, power led will stop blinking. Also, the upgrade failure screen will be shown if upgrade screen was shown at 5.



NOTE: In the event of a transient failure, upgrade will be automatically retried up to three times. If the process repeatedly fails, hardware may be the cause.

7. Up on completion of the whole process, power and OPC LED will blink alternately. Also, the upgrade success screen will be shown if upgrade screen was shown at 5.



8. Unplug the AC cord and remove the USB Memory for version upgrade.
9. Now the software version upgrade is complete.

NOTE: When you are done with the software version upgrade, start the set, go to the top page of the adjustment process screen and check the monitor microprocessor software version information and panel size information.

3. Entering and exiting the adjustment process mode

- 1) Before entering the adjustment process mode, the AV position RESET in the video adjustment menu.
 - 2) While holding down the "VOL (-)" and "INPUT" keys at a time, plug in the AC cord of the main unit to turn on the power.
The letter "<K>" appears on the screen.
 - 3) Next, hold down the "VOL (-)" and "CH (V)" keys at a time.
(The "VOL (-)" and "CH (V)" keys should be pressed and held until the display appears.)
Multiple lines of blue characters appearing on the display indicate that the unit is now in the adjustment process mode.
When you fail to enter the adjustment process mode (the display is the same as normal startup), retry the procedure.
 - 4) To exit the adjustment process mode after the adjustment is done, unplug the AC cord from the outlet to make a forced shutdown. (When the power was turned off with the remote controller, once unplug the AC cord and plug it again. In this case, wait 10 seconds or so before plugging.)
- CAUTION: Use due care in handling the information described here lest your users should know how to enter the adjustment process mode. If the settings are tampered in this mode, unrecoverable system damage may result.

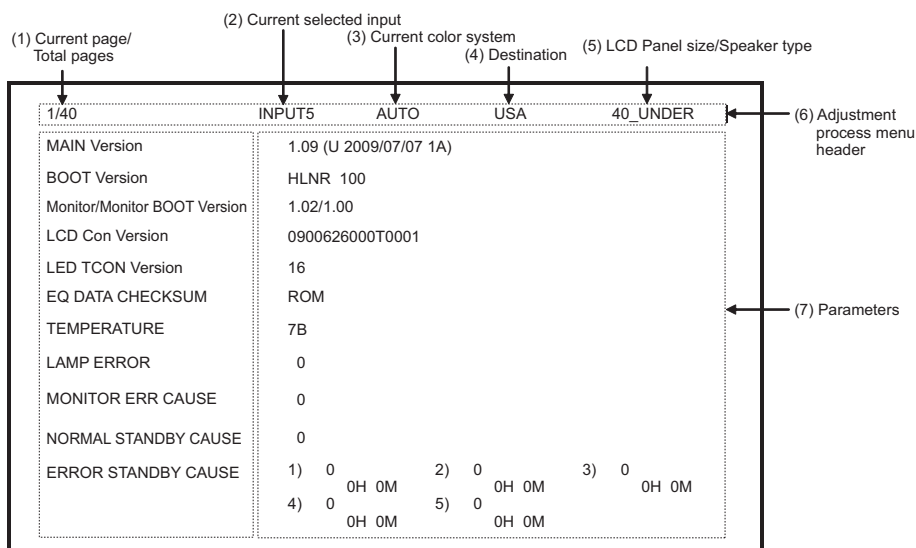
4. Remote controller key operation and description of display in adjustment process mode

1) Key operation

Remote controller key	Main unit key	Function
CH (V / ^)	CH (V / ^)	Moving an item (line) by one (UP/DOWN)
VOL (+/-)	VOL (+/-)	Changing a selected item setting (+1/ -1)
Cursor (UP/DOWN)	_____	Turing a page (PREVIOUS/NEXT)
Cursor (LEFT/RIGHT)	_____	Changing a selected line setting (+10/ -10)
INPUT	_____	Input switching (toggle switching)
ENTER	_____	Executing a function

*Input mode is switched automatically when relevant adjustment is started so far as the necessary input signal is available.

2) Description of display



5. List of adjustment process mode menu

The character string in brackets [] will appear as a page title in the adjustment process menu header.

Page	Line	Item	Description	Remarks (adjustment detail, etc.)
1	1	MAIN Version	Main software version	Versions are always '090626000T0001'. Refer to *1 under the list for details Refer to *2 under the list for details
	2	BOOT Version		
	3	Monitor/Monitor BOOT Version	Monitor and monitor boot software version	
	4	LCD Con Version	LCD controller software version	
	5	LED TCON Version		
	6	EQ DATA CHECKSUM	Audio data checksum	
	7	TEMPERATURE	Panel temperature	
	8	LAMP ERROR	Number of termination due to lamp error	
	9	MONITOR ERR CAUSE		
	10	NORMAL STANDBY CAUSE		
	11	ERROR STANDBY CAUSE		
2	1	INDUSTRY INIT	Initialization to factory settings	Level appears in green on the upper right
	2	INDUSTRY INIT(-Hotel)		
	3	PUBLIC MODE	Public mode	
	4	Center Acutime	Accumulated main operation time	
	5	RESET	Reset	
	6	Backlight Acutime	Accumulated monitor operation time	
	7	RESET	Reset	
	8	LAMP ERROR RESET	Reset LAMP ERROR	
	9	VIC XPOS	X-coordinate setting for VIC READ	
	10	VIC YPOS	Y-coordinate setting for VIC READ	
	11	VIC COLOR	Collected color data setting for VIC READ	
	12	VIC SIGNAL TYPE	Signal type setting for VIC READ	
	13	VIC READ	Picture level acquisition function	
3	1	N358 ALL ADJ(INPUT1)	CVBS and TUNER signal level adjustment	
	2	N358 ALL ADJ(INPUT3)		
	3	N358 MAIN ADJ(INPUT1)	CVBS signal level adjustment	
	4	N358 MAIN ADJ(INPUT3)		
	5	TUNER DAC ADJ	TUNER signal level adjustment	
	6	N358 CONTRAST A_GAIN		
	7	N358 CONTRAST D_GAIN		
	8	N358 CONTRAST OFFSET		
	9	TUNER CONTRAST A_GAIN		
	10	TUNER CONTRAST D_GAIN		
	11	TUNER CONTRAST OFFSET		
4	1	TUNER VCHIP TEST(69ch)	Tuning test and VCHIP test (69ch)	
	2	TUNER VCHIP TEST(7ch)	Tuning test and VCHIP test (7ch)	
	3	TUNER VCHIP TEST(10ch)	Tuning test and VCHIP test (10ch)	
	4	TUNER VCHIP TEST(15ch)	Tuning test and VCHIP test (15ch)	
	5	INSPECT USB TERM		
	6	HDMI EDID WRITE		
	7	HDMI CEC TEST		
5	1	COMP15K ADJ(INPUT1)	Component 15K picture level adjustment (main)	
	2	COMP15K ADJ(INPUT2)		
	3	COMP15K Y A_GAIN		
	4	COMP15K Cb A_GAIN		
	5	COMP15K Cr A_GAIN		
	6	COMP15K Y OFFSET		
	7	COMP15K Cb OFFSET		
	8	COMP15K Cr OFFSET		
6	1	COMP33K ADJ(INPUT1)	Component 33K picture level adjustment (main)	
	2	COMP33K ADJ(INPUT2)		
	3	COMP33K Y A_GAIN		
	4	COMP33K Cb A_GAIN		
	5	COMP33K Cr A_GAIN		
	6	COMP33K Y OFFSET		
	7	COMP33K Cb OFFSET		
	8	COMP33K Cr OFFSET		

Page	Line	Item	Description	Remarks (adjustment detail, etc.)
7	1	ANALOG RGB ADJ	Analog RGB picture level adjustment	
	2	R A_GAIN		
	3	G A_GAIN		
	4	B A_GAIN		
	5	R OFFSET		
	6	G OFFSET		
	7	B OFFSET		
8	1	VCOM ADJ	VCOM adjustment value	
9	1	FRC ON/OFF		
10	1	LEV1	Standard value 1	Adjustment gradation setting.
	2	LEV2	Standard value 2	
	3	LEV3	Standard value 3	
	4	LEV4	Standard value 4	
	5	LEV5	Standard value 5	
	6	LEV6	Standard value 6	
11	1	MG1R	WB adjustment Point 1, R adjustment value	Parameter for six-point adjustment
	2	MG1G	WB adjustment Point 1, G adjustment value	
	3	MG1B	WB adjustment Point 1, B adjustment value	
	4	MG2R	WB adjustment Point 2, R adjustment value	
	5	MG2G	WB adjustment Point 2, G adjustment value	
	6	MG2B	WB adjustment Point 2, B adjustment value	
	7	MG3R	WB adjustment Point 3, R adjustment value	
	8	MG3G	WB adjustment Point 3, G adjustment value	
	9	MG3B	WB adjustment Point 3, B adjustment value	
12	1	MG4R	WB adjustment Point 4, R adjustment value	Parameter for six-point adjustment
	2	MG4G	WB adjustment Point 4, G adjustment value	
	3	MG4B	WB adjustment Point 4, B adjustment value	
	4	MG5R	WB adjustment Point 5, R adjustment value	
	5	MG5G	WB adjustment Point 5, G adjustment value	
	6	MG5B	WB adjustment Point 5, B adjustment value	
	7	MG6R	WB adjustment Point 6, R adjustment value	
	8	MG6G	WB adjustment Point 6, G adjustment value	
	9	MG6B	WB adjustment Point 6, B adjustment value	
13	1	MODE SELECT		
	2	POS SELECT		
	3	POS MIN		
	4	POS MID1		
	5	POS MID2		
	6	POS MID3		
	7	POS MID4		
	8	POS MID5		
	9	POS MID6		
	10	POS MAX		
14	1	CD MIN		
	2	CD MID1		
	3	CD MID2		
	4	CD MID3		
	5	CD MID4		
	6	CD MID5		
	7	CD MID6		
	8	CD MAX		
15	1	CALC		
	2	RESET		
	3	VAL1		
	4	VAL2		
	5	VAL3		
	6	VAL4		
	7	VAL5		
8	VAL6			

Page	Line	Item	Description	Remarks (adjustment detail, etc.)
16	1	Audio Switch		
	2	Flat Mode		
	3	EEP STATUS INIT		
	4	Input Trim DTV		
	5	Input Trim ATV		
	6	Input Trim Digital		
	7	Input Trim Analog		
	8	ATT1 Gain		
	9	ATT2 Gain		
	10	ATT3 Gain		
17	1	Auto Volume Threshold		
	2	Auto Volume Ratio		
	3	MBE Base Gain		
	4	MBE Output Gain		
	5	MBE BPF		
	6	MBE Force otct Mode		
	7	MBE Bass G Limit		
	8	MPF FC		
18	1	MVS Width		
	2	MVS Xtalk		
	3	MVS Clarity		
	4	MVS LR Gain		
	5	MVS Outout Gain		
	6	MVS Bass Gain		
	7	MVS FO		
19	1	Bass CENTER ATT		
	2	Bass Vol0 MAX		
	3	Bass Vol60 MAX		
	4	Bass Vol60 CENTER		
	5	Bass Vol0 MIN		
	6	Bass Vol60 MIN		
	7	Treble CENTER ATT		
	8	Treble Vol0 MAX		
	9	Treble Vol60 MAX		
	10	Treble Vol60 CENTER		
	11	Treble Vol0 MIN		
	12	Treble Vol60 MIN		
20	1	PEQ0 F0		
	2	PEQ0 Q		
	3	PEQ0 Gain		
	4	PEQ0 G Limit		
	5	PEQ1 F0		
	6	PEQ1 Q		
	7	PEQ1 Gain		
	8	PEQ1 G Limit		
	9	PEQ2 F0		
	10	PEQ2 Q		
	11	PEQ2 Gain		
	12	PEQ2 G Limit		
21	1	PEQ3 F0		
	2	PEQ3 Q		
	3	PEQ3 Gain		
	4	PEQ3 G Limit		
	5	PEQ4 F0		
	6	PEQ4 Q		
	7	PEQ4 Gain		
	8	PEQ4 G Limit		
	9	PEQ5 F0		
	10	PEQ5 Q		
	11	PEQ5 Gain		
	12	PEQ5 G Limit		

Page	Line	Item	Description	Remarks (adjustment detail, etc.)
22	1	PEQ6 F0		
	2	PEQ6 Q		
	3	PEQ6 Gain		
	4	PEQ6 G Limit		
	5	PEQ7 F0		
	6	PEQ7 Q		
	7	PEQ7 Gain		
	8	PEQ7 G Limit		
	9	PEQ8 F0		
	10	PEQ8 Q		
	11	PEQ8 Gain		
	12	PEQ8 G Limit		
23	1	AVC_L Fc		
	2	AVC_L Target Level		
	3	AVC_L Max Gain UP		
	4	AVC_L Attack Rate		
	5	AVC_L Release Rate		
	6	AVC_H Target Level		
	7	AVC_H Max Gain UP		
	8	AVC_H Attack Rate		
	9	AVC_H Release Rate		
24	1	Sub Vol. SP		
	2	Sub Vol. MON		
	3	Sub Vol. HP		
	4	Sub Vol. SW		
	5	Sub Vol. OPT		
	6	Clip Level SP		
	7	Clip Level MON		
	8	Clip Level HP		
	9	Clip Level SW		
	10	Clip Level OPT		
25	1	PANNEL SELECT		
	2	PWM		
	3	PWM FREQ		
	4	PWM DUTY		
	5	OSC FREQ		
	6	OSC DUTY		
26	1	BRIGHTNESS DA0		
	2	BRIGHTNESS DA1		
	3	BRIGHTNESS DA2		
	4	BRIGHTNESS DA3		
	5	BRIGHTNESS DA4		
	6	BRIGHTNESS DA5		
	7	BRIGHTNESS DA6		
	8	BRIGHTNESS DA7		
	9	BRIGHTNESS DA8		
	10	BRIGHTNESS DA9		
	11	BRIGHTNESS DA10		
	12	BRIGHTNESS DA11		
27	1	BRIGHTNESS DA12		
	2	BRIGHTNESS DA13		
	3	BRIGHTNESS DA14		
	4	BRIGHTNESS DA15		
	5	BRIGHTNESS DA16		
	6	BRIGHTNESS DA17		
	7	BRIGHTNESS DA18		
	8	BRIGHTNESS DA19		
	9	BRIGHTNESS DA20		
	10	BRIGHTNESS DA21		
	11	BRIGHTNESS DA22		

Page	Line	Item	Description	Remarks (adjustment detail, etc.)
28	1	BRIGHTNESS DA23		
	2	BRIGHTNESS DA24		
	3	BRIGHTNESS DA25		
	4	BRIGHTNESS DA26		
	5	BRIGHTNESS DA27		
	6	BRIGHTNESS DA28		
	7	BRIGHTNESS DA29		
	8	BRIGHTNESS DA30		
	9	BRIGHTNESS DA31		
	10	BRIGHTNESS DA32		
29	1	OPC33 ADLEVEL 0		
	2	OPC33 ADLEVEL 1		
	3	OPC33 ADLEVEL 2		
	4	OPC33 ADLEVEL 3		
	5	OPC33 ADLEVEL 4		
	6	OPC33 ADLEVEL 5		
	7	OPC33 ADLEVEL 6		
	8	OPC33 ADLEVEL 7		
	9	OPC33 ADLEVEL 8		
	10	OPC33 ADLEVEL 9		
	11	OPC33 ADLEVEL 10		
	12	OPC33 ADLEVEL 11		
30	1	OPC33 ADLEVEL 12		
	2	OPC33 ADLEVEL 13		
	3	OPC33 ADLEVEL 14		
	4	OPC33 ADLEVEL 15		
	5	OPC33 ADLEVEL 16		
	6	OPC33 ADLEVEL 17		
	7	OPC33 ADLEVEL 18		
	8	OPC33 ADLEVEL 19		
	9	OPC33 ADLEVEL 20		
	10	OPC33 ADLEVEL 21		
	11	OPC33 ADLEVEL 22		
31	1	OPC33 ADLEVEL 23		
	2	OPC33 ADLEVEL 24		
	3	OPC33 ADLEVEL 25		
	4	OPC33 ADLEVEL 26		
	5	OPC33 ADLEVEL 27		
	6	OPC33 ADLEVEL 28		
	7	OPC33 ADLEVEL 29		
	8	OPC33 ADLEVEL 30		
	9	OPC33 ADLEVEL 31		
32	1	V6 OS THERMO 1		
	2	V6 OS THERMO 2		
	3	V6 OS THERMO 3		
	4	V6 OS THERMO 4		
	5	V6 OS THERMO 5		
	6	V6 OS THERMO 6		
	7	V6 OS THERMO 7		
33	1	V5 OS THERMO 1		
	2	V5 OS THERMO 2		
	3	V5 OS THERMO 3		
	4	V5 OS THERMO 4		
	5	V5 OS THERMO 5		
	6	V5 OS THERMO 6		
	7	V5 OS THERMO 7		
34	1	BL TEMP1		
	2	BL TEMP2		
	3	BL TDUTY		
35	1	MONITOR TIME OUT		
	2	MONITOR MAX TEMP		
	3	MONITOR ERROR CAUSE RESET		

Page	Line	Item	Description	Remarks (adjustment detail, etc.)
36	1 2 3 4 5 6	LCD TEST PATTERN LCD AGI TEST PATTERN LCD EVA TEST PATTERN YEL TEST PATTERN TV TEST PATTERN 1 TV TEST PATTERN 2		
37	1 2 3 4 5 6 7 8	REGISTER ADDRESS LOWER READ/WRITE SLAVE ADDRESS REGISTER ADDRESS UPPER WRITE DATA UPPER WRITE DATA LOWER READ DATA UPPER READ DATA LOWER		
38	1 2 3 4 5 6	KEY LOCK(1217) KOUTEI AREA ALL CLEAR A MODE AREA CLEAR BACKUP AREA CLEAR B MODE AREA CLEAR EXECUTION		
39	1 2 3 4 5 6	ERROR STANDBY CAUSE1 ERROR STANDBY CAUSE2 ERROR STANDBY CAUSE3 ERROR STANDBY CAUSE4 ERROR STANDBY CAUSE5 ERROR STANDBY CAUSE RESET		
40	1 2 3 4 5 6 7 8 9 10	EEP SAVE EEP RECOVER MODL NAME PANEL SIZE SETTING FOR ADJ PANEL LIMIT PANEL RANGE LIMIT SHORT CHECK MODE SHORT CHECK CURRENT CURRENT SW	Writing setting values to EEPROM Reading setting values from EEPROM	

*1 Details of P1.9 (NORMAL STANDBY CAUSE)

- | | | |
|---|----------------------------|--------------------------------------|
| 2 | No operation off | in the cause of "no operation off" |
| 3 | No signal off | in the cause of "no signal off" |
| 4 | PC power management mode 1 | in the cause of "Standby mode MODE1" |
| 5 | PC power management mode 2 | in the cause of "Standby mode MODE2" |
| 6 | Off timer | in the cause of "SLEEP timer" |
| 8 | Command from RS232C | in the cause of command by RS-232C |

***2 Details of P1.10 (ERROR STANDBY CAUSE)**

11	Prolonged unspecified-signal input in PC mode	in the cause of continuous “out of range”, PC input mode
17	Temperature error	in the cause of abnormal temperature
1A	Monitor trouble detected	in the cause of abnormal monitor mode
22	LCD controller Rom error	in the cause of software abnormality of LCD controller

6. Special features

* STANDBY CAUSE (Page 1/40)

Display of a cause (code) of the last standby

The cause of the last standby is recorded in EEPROM whenever possible.

Checking this code will be useful in finding a problem when you repair the troubled set.

* EEP SAVE (Page 40/40)

Storage of EEP adjustment value

* EEP RECOVER (Page 40/40)

Retrieval of EEP adjustment value from storage area

7. Microcomputer software writing

7.1. Main microcomputer/monitor microcomputer software writing (Main PWB: QPWBXF282WJZZ)

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Main microcomputer/monitor microcomputer software writing <Main PWB>	Software Version Up File version check USB memory check * When IC is failure	1. Insert a USB memory for the main/monitor microcomputer into the service connector. 2. Supply AC power and write the main software to IC8453 and the monitor microcomputer software to IC2002. 3. Check that writing is normally completed and turn off the power. CAUTION: When the USB memory is not inserted or reading error occurs, nothing is written. (The former models have read the main software from the writing jig. However, this model reads the main/monitor software from the USB memory.) Please exchange to another PWB unit when IC8453 (NAND Flash) is failure. (Because the software can't be written with USB memory, when the new IC is exchanged from broken IC)

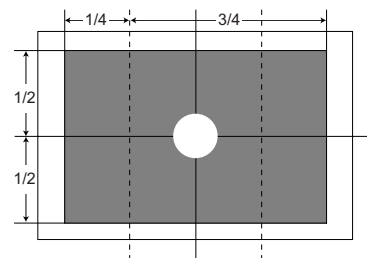
7.2. Model/inch discrimination writing (Main PWB: QPWBXF282WJZZ)

- When writing the sub microcomputer software, the model data is configured with the software from the USB memory mounted to the checker.
- Reference and setting change are enabled through the process menu and RS-232C communication.

8. Signal adjustment

8.1. LCD section adjustment [LCD module adjustment]

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Opposite bias adjustment (LCD module adjustment item)	Adjustment in the center position of the panel (Except for LC-32LE700UM)	1. Enter the process mode using the process adjustment remote control. 2. Select [VCOM ADJ] using the Channel ↑, ↓ keys on the remote control. 3. Press the Enter key to check that the pattern for adjustment is displayed. 4. Make adjustment so that the flicker located in the center of the screen is minimized using the Volume +/- keys on the remote control. 5. If the status is optimized in step 4, press the Enter key to turn off the pattern. CAUTION: * Make adjustment without ANT signal (since the active backlight changes the brightness). [Adjustment position]



8.2. Video Signal adjustment Procedure

8.2.1 Signal check

■ Before adjustment, check that the adjustment jig and signal source are set for Sharp LCD US.

■ Signal generator level adjustment check (Adjust to the standard value level.)

- Composite signal: 0.714Vp-p \pm 0.02Vp-p (Pedestal to white level)
- 15K component signal: Y level: 0.714Vp-p \pm 0.02Vp-p (Pedestal to white level)
PB/PR level: 0.7Vp-p \pm 0.02Vp-p
- 33K component signal: Y level: 0.7Vp-p \pm 0.02Vp-p (Pedestal to white level)
PB/PR level: 0.7Vp-p \pm 0.02Vp-p
- Analog RGB: RGB level: 0.7Vp-p \pm 0.02Vp-p (Pedestal to white level)

8.2.2 Process mode

Adjustment point	Adjustment conditions	Adjustment procedure
Process mode		Enter the process adjustment mode using the process adjustment remote control.

8.2.3 Composite N358 signal/tuner adjustment

Adjustment point	Adjustment conditions	Adjustment procedure
1 Setting	N358 signal US-10ch	<ul style="list-style-type: none"> • Send the N358 color bar (color saturation: 75%) signal to the Video 1 video input. • Send the in-house signal (use US-10ch) to TUNER. <div style="text-align: center;"> </div>
2 Automatic adjustment execution		Point the cursor to [■ N358 ALL ADJ(INPUT1)] and press the [Enter] key. The adjustment is complete when [■ N358 ALL ADJ(INPUT1) OK] is displayed.

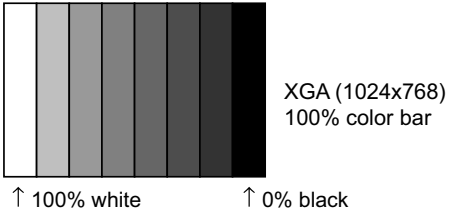
8.2.4 Component 15K signal adjustment

Adjustment point	Adjustment conditions	Adjustment procedure
1 Setting	480i signal	<ul style="list-style-type: none"> • Send the 100% color bar signal to the Video 1 component input. <div style="text-align: center;"> </div>
2 Automatic adjustment execution		Point the cursor to [■ COMP15K ADJ(INPUT1)] and press the [OK] key. The adjustment is complete when [■ COMP15K ADJ(INPUT1) OK] is displayed.

8.2.5 Component 33K signal adjustment

Adjustment point	Adjustment conditions	Adjustment procedure
1 Setting	1080i signal	<ul style="list-style-type: none"> • Send the 100% color bar signal to the Video 1 component input. <div style="text-align: center;"> </div>
2 Automatic adjustment execution		Point the cursor to [■ COMP33K ADJ(INPUT1)] and press the [OK] key. The adjustment is complete when [■ COMP33K ADJ(INPUT1) OK] is displayed.

8.2.6 Analog RGB signal adjustment

	Adjustment point	Adjustment conditions	Adjustment procedure
1	Setting	Analog RGB Signal: XGA (1024x768) 60Hz SYNC: HV separate	<ul style="list-style-type: none"> Send the 100% color bar signal to the Video 4 analog RGB input.  <p>XGA (1024x768) 100% color bar</p> <p>↑ 100% white ↑ 0% black</p>
2	Automatic adjustment execution		<ul style="list-style-type: none"> Point the cursor to [■ANALOG RGB ADJ] and press the [OK] key. The adjustment is complete when [■ANALOG RGB ADJ OK] is displayed.

8.2.7 Tuner/V-CHIP adjustment

	Adjustment point	Adjustment conditions	Adjustment procedure
1	Setting	NTSC RF signal US-7(AIR)ch	<ul style="list-style-type: none"> Send the NTSC signal to the RF antenna input.
2	Automatic adjustment execution		<ul style="list-style-type: none"> Point the cursor to [■TUNER VCHIP TEST(*07ch)] and press the [OK] key. (* Adjust the selected channel to the in-house signal.) The adjustment is OK when [■A-OK(**.**) / VM-OK] is displayed in green. (NG when A-NG/VM-NG is displayed in red.) It is OK when the deviation from the center frequency is $\pm 0.0625\text{MHz}$ or less.

9. White balance adjustment

9.1. White balance adjustment (For details about the adjustment procedure, refer to “Kameyama Model Integrated Monitor WB Adjustment Specification V1.4”.)

	Adjustment point	Adjustment conditions	Adjustment procedure
1	Setting		1) Set the set to the following conditions. AV MODE: [DYNAMIC] Backlight: +16 Active Backlight: OFF Aging Time: Min. 60 minutes 2) Connect the set with the white balance adjustment jig.
2	Automatic adjustment execution	[Command] Process mode KRSW0001 KKT10037 Setting KYOF0000 OSDS0001 SBSL0016 Multi-point adjustment mode MSET0001 Point 6 WBI60928 MG6G**** MG6B**** MG6R**** Point 5 WBI50776 MG5G**** MG5B**** MG5R**** Point 4 WBI40560 MG4G**** MG4B**** MG4R**** Point 3 WBI30308 MG3G**** MG3B**** MG3R**** Point 2 WBI20224 MG2G**** MG2B**** MG2R**** Point 1 WBI10184 MG1G**** MG1B**** MG1R**** Writing MSET0003	[Adjustment procedure] 1) Transmit the “adjustment process” code using the remote control. 2) Set the point 6 to the specified gradation, specify the strongest color as the fixed color, and adjust the RGB so that it becomes the standard value through negative adjustment. 3) Set the point 5 to the specified gradation, set the G correction value (3104 x G value of point 6/3712) (fractions rounded off), and adjust the RB so that it becomes the standard value. 4) Set the point 4 to the specified gradation, set the G correction value (2240 x G value of point 6/3712) (fractions rounded off), and adjust the RB so that it becomes the standard value. 5) Set the point 3 to the specified gradation, set the G correction value (1232 x G value of point 6/3712) (fractions rounded off), and adjust the RB so that it becomes the standard value. 6) Set the point 2 to the specified gradation, set the G correction value (896 x G value of point 6/3712) (fractions rounded off), and adjust the RB pattern so that it becomes the standard value. 7) Set the point 1 to the specified gradation, set the G correction value (736 x G value of point 6/3712) (fractions rounded off), and adjust the RB so that it becomes the standard value. 8) Write the adjustment value by the MSET0003 command and turn off the AC power. * RGB initial value of point 6: Set gradation 3712 * RGB initial value of points 1 to 5: G correction value of each point (At each point, adjustment is made so that the remainder of the RGB adjustment value/4 is equal.) [Adjustment value] * According to the “Standard settings” submitted by the Technical Department [Adjustment standard value] Measuring instrument: [Minolta CA-210] Technical measuring instrument

	Level	Reference value	Adjustment spec	Inspection spec
Point 6	928	X=0.272	±0.0010	±0.0020
		y=0.277		
Point 5	776	X=0.272	±0.0010	±0.0020
		y=0.277		
Point 4	560	X=0.272	±0.0020	±0.0040
		y=0.277		
Point 3	308	X=0.272	±0.0020	±0.0040
		y=0.277		
Point 2	224	X=0.272	±0.0030	±0.0060
		y=0.277		
Point 1	184	X=0.272	±0.0035	±0.0070
		y=0.277		
Remarks		Setting conditions when performing inspection AV MODE: [DYNAMIC] (Reset) Monochro: ON Active Backlight: OFF Aging Time: Min. 60 minutes		

9.2. Adjusting procedure by use of [RS-232C]

1. Get ready the PC with COM port (RS-232C) running on Windows 95/98/ME/2000/XP operating system, as well as the RS-232C cross cable.
2. Start the unit with the RS-232C cable connected.
3. Start the terminal software. (The freeware readily available on the Internet will do.)
4. Make the following settings.

Baud rate	9,600 bps
Data LENGTH	8 bit
Parity bit	None
Stop bit	1 bit
Flow control	None

5. If the settings are correct, the terminal software indicates "ERR" against pressing of the "ENTER" key.
6. After the settings are done correctly, it is possible to make an adjustment by typing in the command shown in the table below and pressing the "ENTER" key on the keyboard.
7. Command entry is successful if the terminal software indicates "OK" when the "ENTER" is pressed. If "ERR" is shown, retry to enter the command.
8. Send the process mode switching command to switch from the RS232C operation mode to the process mode.
KRSW0001: "ERR" is returned.
KKT10037: When "OK" is returned, the process mode becomes active. When "ERR", start over from KRSW0001.
9. Send each adjustment command.

10. Key writing**10.1. EDID writing (Main PWB: QPWBXF282WJZZ)**

	Adjustment point	Adjustment conditions	Adjustment procedure
1	HDMI EDID writing (Main PWB)	Process mode Model discrimination check	1) Enter the process mode. 2) Point the cursor to [HDMI EDID WRITE] and press the [ENT] key. The writing is complete when [OK] is displayed. (If not written, HDMI does not function.) CAUTION: Perform the data writing after setting the model discrimination. The data based on the model discrimination information is recorded in EEPROM.
2	Analog RGB EDID writing (Main PWB)	Inspection mode File version check	1) Write the EDID data for analog RGB into IC1809 mounted on the main PWB. TL1821 ●●● I2C clock, TL1823 ●●● I2C data TL1824 ●●● 5V, TL1822 ●●● GND TL1848 ●●● Write protection (H: WP, L: write enable) 2) Perform the data writing before making inspection using the checker.

10.2. MAC address writing (Main PWB: QPWBXF282WJZZ) (Except for LC-32LE700UN)

1. Write the MAC key data into IC8453 mounted on the MAIN PWB via RS232C.
2. The data must be written before making the inspection using the checker.

11. Factory setting

After completing the factory setting, pull out the AC cord to complete the setting.

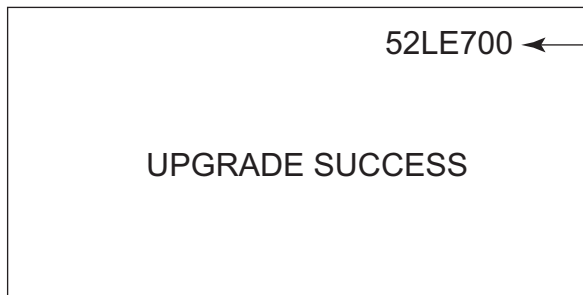
CAUTION: Do not turn on the power after completing the factory setting. If the power is turned on, configure the factory setting again.

	Adjustment point	Adjustment conditions	Adjustment procedure
1	Factory setting	Complete the setting by pulling out the AC cord..	<ul style="list-style-type: none"> •Point the cursor to [INDUSTRY INIT (+Cause)], set to "ON" using [+] / [-] of the [VOL] key, and press the [ENT] key. The version confirmation screen appears on the green screen. It is completed when [SUCCESS] is displayed at the top. (If error occurs, [ERROR] is displayed on the red screen.) <ul style="list-style-type: none"> •Turn off the AC power. The following items are initialized when configuring the factory setting. <ol style="list-style-type: none"> 1) User setting values 2) Channel data (broadcasting frequency, etc.) 3) Password setting value 4) Operating time 5) Standby Cause 6) Auto installation flag 7) V-CHIP block setting value

12. Writing the inch and model name onto EEPROM

Writing method

1. Pull out the AC cord.
2. Copy the application for writing inch/model name (HLNRMA01.USB) and model/inch file (40LE700.MDL) to the USB memory.
3. Hold down the power button and insert the AC cord.
4. Release the power button after 5 seconds.
5. Update starts.



The inch and model name are displayed.

6. Pull out the AC cord.

Model/inch file

- 40LE700.MDL
- 46LE700.MDL
- 52LE700.MDL


* 32 inch is not necessary.

NOTE: When replacing the main PWB, make sure to perform the writing the inch and model name onto EEPROM

[2] PUBLIC MODE SETTING PROCEDURE

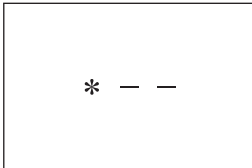
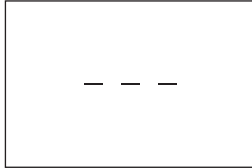
1. How to start Public Mode

- There are the following two ways to get the public mode setup screen displayed.

① In the adjustment process mode, turn on "PUBLIC MODE". Also press the "CH ()" and "VOL (+)" keys on the set at once and turn on the power.

② 1) Press the "INPUT" and "VOL (+)" keys on the set at once and turn on the power.

2) Get the password input screen displayed.



Procedure

- The input starts with the leftmost digit.
- Use the numeric keys [1] thru [9] and [0] keys on the remote controller. The other keys are not acceptable.
- With a numeric-key input, "-" will change to "*". The input position will move one digit to the right.
- With all the 3 digits entered, the password will be verified.

3) The 3-digit password is now verified.

The password [0] [2] [7] provides for the public mode screen. (This screen comes on with whatever adjustment process settings.)

With any other passwords, the screen changes to the normal mode.

2. How to exit Public Mode

There are the following ways to quit the public mode setup screen.

- Turn off "PUBLIC MODE" in the adjustment process mode. (☆) ← This way alone is not for quitting the setup screen, but for quitting the mode itself.
- Turn off the power with the "POWER" key. (★)
- Select "EXECUTE". (★)

★ ... "PUBLIC MODE" stays on in the adjustment process mode.

☆ ... The settings will be back to the factory ones.

3. Public Mode Setting Values

- With the factory settings made, the public mode settings get initialized. (The adjustment process remains intact.)

4. Public Mode Menu

The guidance is not displayed on screen.

Setup procedure

- To move the cursor up and down, use the "cursor UP/DOWN" key (remote controller) and "CH (^)/(v)" key (remote controller and set).
- To change the settings, use the "cursor RIGHT/LEFT" key (remote controller) and "VOL (+)/(-)" key (remote controller and set).
- To save new settings, keep the cursor at "EXECUTE" and use "ENTER" key (remote controller and set).

PUBLIC MODE	
POWER ON FIXED	[VARIABLE]
MAXIMUM VOLUME	[60]
VOLUME FIXED	[VARIABLE]
VOLUME FIXED LEVEL	[20]
RC BUTTON	[RESPOND]
PANEL BUTTON	[RESPOND]
MENU BUTTON	[RESPOND]
AV POSITION FIXED	[VARIABLE]
ON SCREEN DISPLAY	[YES]
INPUT MODE START	[NORMAL]
INPUT MODE FIXED	[VARIABLE]
LOUD SPEAKER	[ON]
RC_PATH_THROUGH	[OFF]
232C POWON	[DISABLE]
PUBLIC MODE	[OFF]
RESET	
EXECUTE	

5. On Setting Items

* "EZ-SETUP" discussed below indicates "EZ-SETUP after the first power-on".

1) POWER ON FIXED

Selection	Selection between "Variable" and "Fixed" (loop provided)
Default	– (Variable)
Explanation	In "Fixed" setting, the power-off by the power key of the unit is invalidated and the image is kept being received. The power can be turned off by stopping the power supply from AC.
Limit in Setting	Refer to the "Power-On Fixed" sheet.
Exception	None
Remarks	• In "Variable" setting, the power operation is in wait for 1 sec. and then turned off when the main power switch is off.

2) MAXIMUM VOLUME

Selection	Adjustment from 0 to 60 (no loop)
Default	60
Explanation	Sound volume can not be adjusted higher than the preset value.
Limit in Setting	<ul style="list-style-type: none"> • When the sound volume is set lower than 59, only figures are displayed and the sound volume bar is not displayed. • The maximum sound volume for ON-timer (Wake up timer) is limited also to the preset value.
Exception	
Remarks	• When the sound volume is set higher than the MAX setting by the adjusting process, the sound volume control operation is prohibited for turn-up and the sound volume should be turned down to MAX in this state.

3) VOLUME FIXED

Selection	Selection between "Variable", "Fixed", "ACON (AC CTRL)" and "AC/RCON (AC/RC CTRL)" (loop provided)
Default	Variable
Explanation	<ul style="list-style-type: none"> • FIXED: Fixed at the level adjusted for a fixed volume. • AC CTRL: Start-up at the level specified for a fixed volume at ACON. • AC/RC CTRL: Start-up at the level specified for a fixed volume at start.
Limit in Setting	<ul style="list-style-type: none"> • The sound volume for the ON-timer (Wake up timer) is fixed also without display of menu. Besides, the setting is made impossible. (Basically, the menu is not displayed.) • The following keys become invalid: <ul style="list-style-type: none"> • Sound volume Up/Down (VOL +/-) [for both remote control and the unit] • Mute (MUTE)
Exception	• In the item "VOLUME" of adjustment process, the sound volume can be set freely irrespective of this setting.
Remarks	<ul style="list-style-type: none"> • As for sound volume fixing and sound volume MAX level, the sound volume fixing has priority. • Once the sound volume has been changed by adjustment process, it should be set back to the sound volume preset by sound volume fixing level when the adjustment process ends.

4) VOLUME FIXED LEVEL

Selection	Adjustment from 1 to 60 (no loop)
Default	20
Explanation	The sound volume to be fixed by "Volume fixed" is determined.
Limit in Setting	None
Exception	None
Remarks	Setting is valid only when "Volume fixed" is selected for "fixed".

5) RC BUTTON

Selection	Selection between "Respond", "No Respond" and "Limited" (loop provided)
Default	Respond
Explanation	<p>Making the remote controller settings.</p> <ul style="list-style-type: none"> • At the "No Respond" setting, the remote controller keys are disabled. Its power key (reception/standby key) is disabled too. • At the "Limited" setting, some channel-related keys alone are operative. All the other remote controller keys (power, volume ▲/▼, channel ▲/▼, light control (brightness sensor), broadcast select) are inoperative.
Limit in Setting	① In "No respond" setting, all the keys (including the power key) are not accepted.
Exception	<ul style="list-style-type: none"> • Adjustment process, inspection process and hotel only keys are valid irrespective of setting. • All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

6) PANEL BUTTON

Selection	Selection between "Respond" and "No respond" (loop provided)
Default	Respond
Explanation	All the operations by keys (except the power key) of the unit can be invalidated.
Limit in Setting	
Exception	<ul style="list-style-type: none"> • Adjustment process, inspection mode and hotel menu mode can be started irrespective of setting. • All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

7) MENU BUTTON

Selection	Selection between "Respond" and "No respond" (loop provided)
Default	Respond
Explanation	In "No respond" setting, the menu operation by the menu key of the remote control and the menu key of the unit are invalidated.
Limit in Setting	
Exception	<ul style="list-style-type: none"> • Adjustment process, inspection mode and hotel menu mode can be started irrespective of setting. • All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

8) ON SCREEN DISPLAY

Selection	Selection between "Yes", "No" (loop provided)
Default	Yes
Explanation	<ul style="list-style-type: none"> • At the "No" setting, the following items are not displayed on screen: register, setting, adjustment menu, channel call and volume bar. <p>On the wide-screen models, an input selection is immediately made because the menu is not displayed.</p> <ul style="list-style-type: none"> • At the "Limited" setting, some items cannot be displayed on screen. <p>On the Japan-destined models, the channel call "Message" alone cannot be displayed. (This is because the channel call message may be confused with a message being sent from the hotel.)</p> <p>On the North America-destined models, the OSD works the same as at the "No" setting.</p>
Limit in Setting	<ul style="list-style-type: none"> • Keys falling under any of the following items become invalid. <ol style="list-style-type: none"> ① Appearance of screen changes and the sound changes. ② Personal functions which are hard to restore. <p>Screen display, menu, OFF-timer, ON-timer, AV MODE, screen size switching, clock setting, treble emphasis, AUDIO ONLY, sound changeover, LANGUAGE, CLOSED CAPTION</p>
Others	<ul style="list-style-type: none"> • Simple input switching is generated. Those which are restored soon after leaving as they are and may be requested for change by customer are not prohibited. <p>Brightness sensor (BACKLIGHT) and PIC. FLIP</p>
Exception	<ul style="list-style-type: none"> • Such a caution which is displayed independently is displayed as it is. <p>Non-responding signal caution</p>
Remarks	<ul style="list-style-type: none"> • When CC has already been ON, CLOSED CAPTION is displayed.

9) INPUT MODE START

Selection	Selection between "Normal", "Air (✳)", "INPUT 1/2/3", "PC", "HDMI 1/2/3/4/5", "DVI" (loop provided)
Default	Normal
Explanation	In power-ON, the input source to be started or channel can be set. (In standard mode, the operation follows the last memory.)
About options	<ul style="list-style-type: none"> • All the input sources in the model are made selectable. • In TV mode, the channel to be set follows the last memory and the content of the last memory is included in the notation by options. Ex.) Air (2), Cable (98.1) etc.
Limit in Setting	<ul style="list-style-type: none"> • The display of channel setting menu and the channel setting operation are prohibited.
Exception	
Remarks	<ul style="list-style-type: none"> • In setting at "Normal", the setting of "Input mode fixed" is changed to "Variable" and selection should be prohibited.

LC-32/40/46/52LE700UN

10)INPUT MODE FIXED

Selection	Selection between "Variable", "Fixed", "ACON (AC CTRL)" and "AC/RCON (AC/RC CTRL)" (loop provided)
Default	– (Variable)
Explanation	<ul style="list-style-type: none"> • At the "Fixed" setting, the TV set gets started with the settings of "Input mode start", and then any other channels and inputs are not accepted. • At the "ACON (AC CTRL)" setting, the TV set gets started with the settings of "Input mode start" under AC control. • At the "AC/RCON (AC/RC CTRL)" setting, the TV set gets started with the settings of "Input mode start" under either control.
Limit in Setting	<ul style="list-style-type: none"> • With the execution of hotel mode, the input source is forced to change to that set by "Input mode start" and the channel switching and input switching are prohibited thereafter. • ON-timer's (Wake-up timer) channel items are not displayed or the operation is prohibited. (Basically, they are not displayed.) • The following keys are invalidated. CH ▲ / ▼, direct tuning button, FLASHBACK, input <p>*However, the keys (input switching and CH ▲ / ▼ keys) of the unit for menu operation remain valid.</p>
Exception	None
Remarks	<ul style="list-style-type: none"> • In the following case, setting is cancelled and mode is changed to "Variable". ① When the setting of "Input mode start" is set to "Normal".

11)RC_PATH_THROUGH

Selection	Selection between "OFF", "ON: TV RCE" and "ON: TV RCD" (loop provided)
Default	OFF
Explanation	Function to feed the remote controller-received signal to Pin 9 (open) on the RS232C.
Limit in Setting	None
Exception	None
Remarks	None

12)AV POSITION FIXED

Selection	Selection between "Variable" and "Fixed" (loop provided)
Default	Variable
Explanation	<p>In case of "Fixed" setting,</p> <ul style="list-style-type: none"> – Menu "Picture" and "Audio" setting can't be changed like "Dynamic (Fixed)". – When "AV Mode" key is pressed, TV just displays current AV Mode (cannot be changed.).
Limit in Setting	None
Exception	None
Remarks	<ul style="list-style-type: none"> • When receiving with AV Position key, OPC, Dolby key and other direct audio select keys, the current display stays on and no setting can be changed. • Even by initializing personal information, the hotel-mode settings are kept intact. In this way, the AV positions, video and audio adjustment settings are not initialized.

13)LOUD SPEAKER (ON/OFF)

Selection	Selection between "ON" and "OFF" (loop provided)
Default	ON
Explanation	If "OFF" is selected, TV stops Speaker output even without Headphone connected.
Limit in Setting	None
Exception	None
Remarks	<ul style="list-style-type: none"> • Press the volume UP/DOWN key, and the mute icon appears for 4 seconds. • The mute key and audio-related keys are displayed with caution. • Usually, the headphones and monitor audio outputs can be adjustable.

14)232C POWON

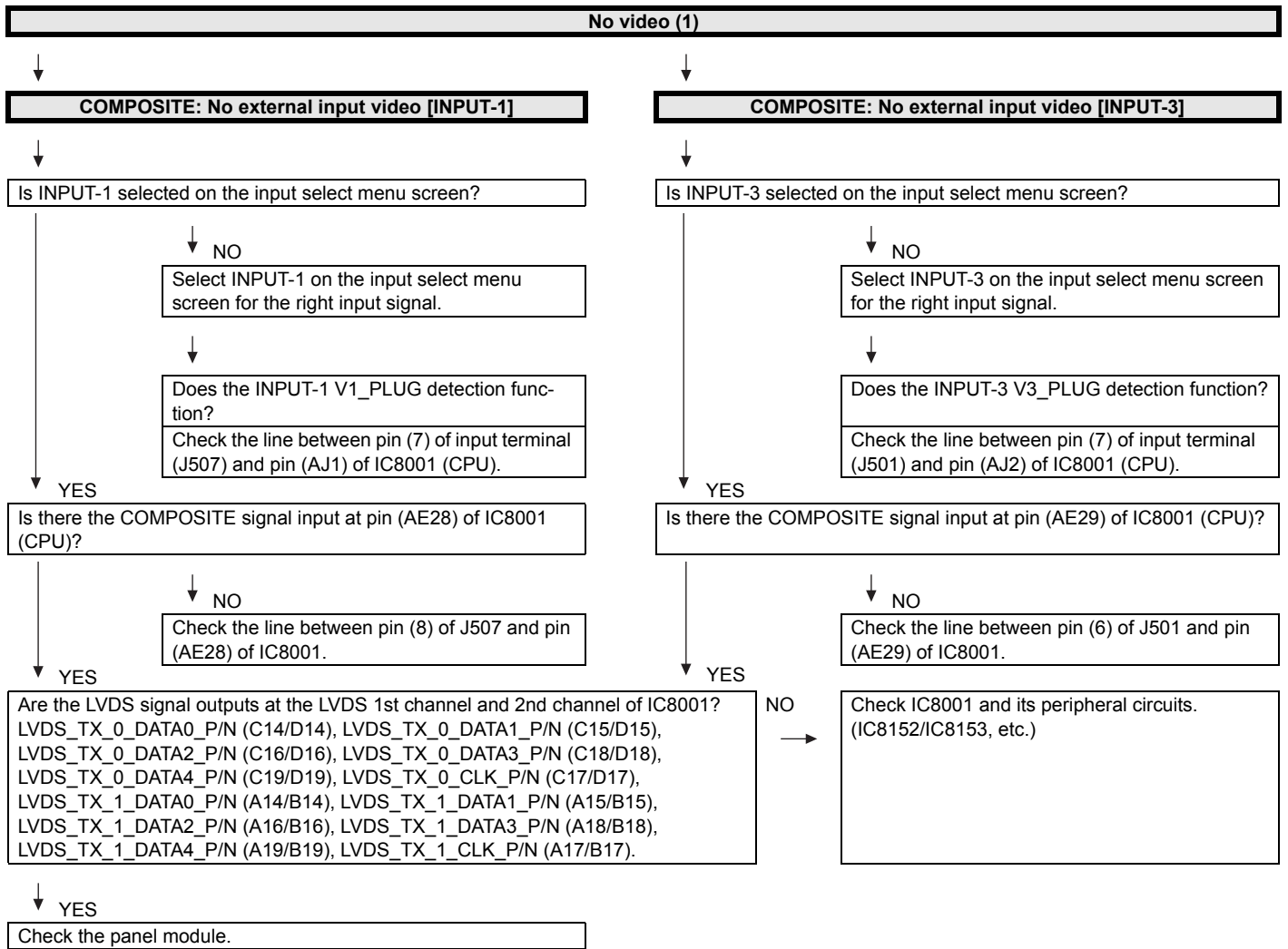
Selection	Selection between "Disable" and "Enable" (loop provided)
Default	Disable
Explanation	In the standby mode, the power-on by the 232C command is enabled or disabled.
Limit in Setting	None
Exception	None
Remarks	None

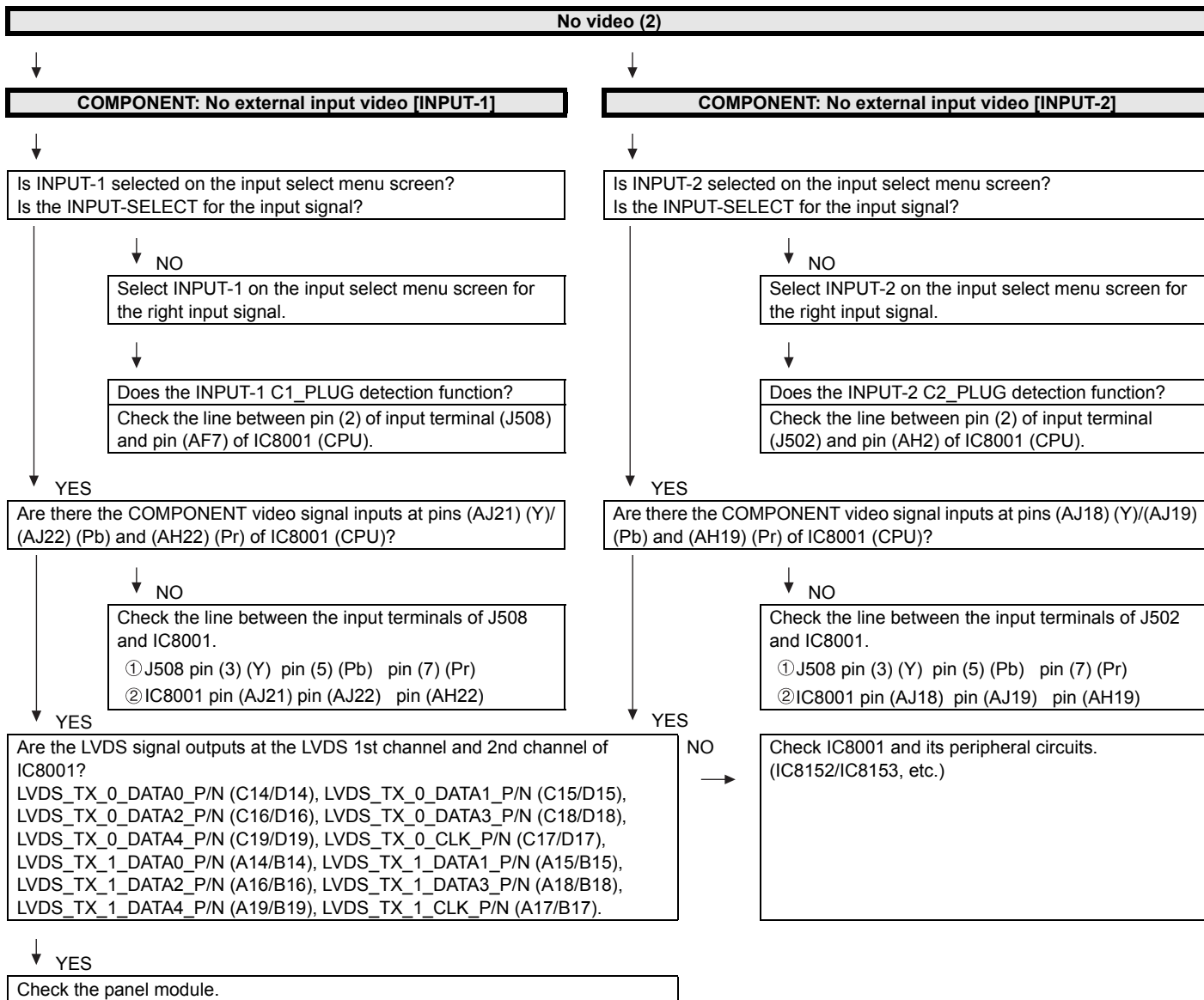
15)PUBLIC MODE (ON/OFF)

Selection	Selection between "ON" and "OFF" (loop provided)
Default	OFF
Explanation	In case of "ON", public mode settings are effected.
Limit in Setting	None
Exception	None
Remarks	The public-mode settings are operable only when this item is set at ON.

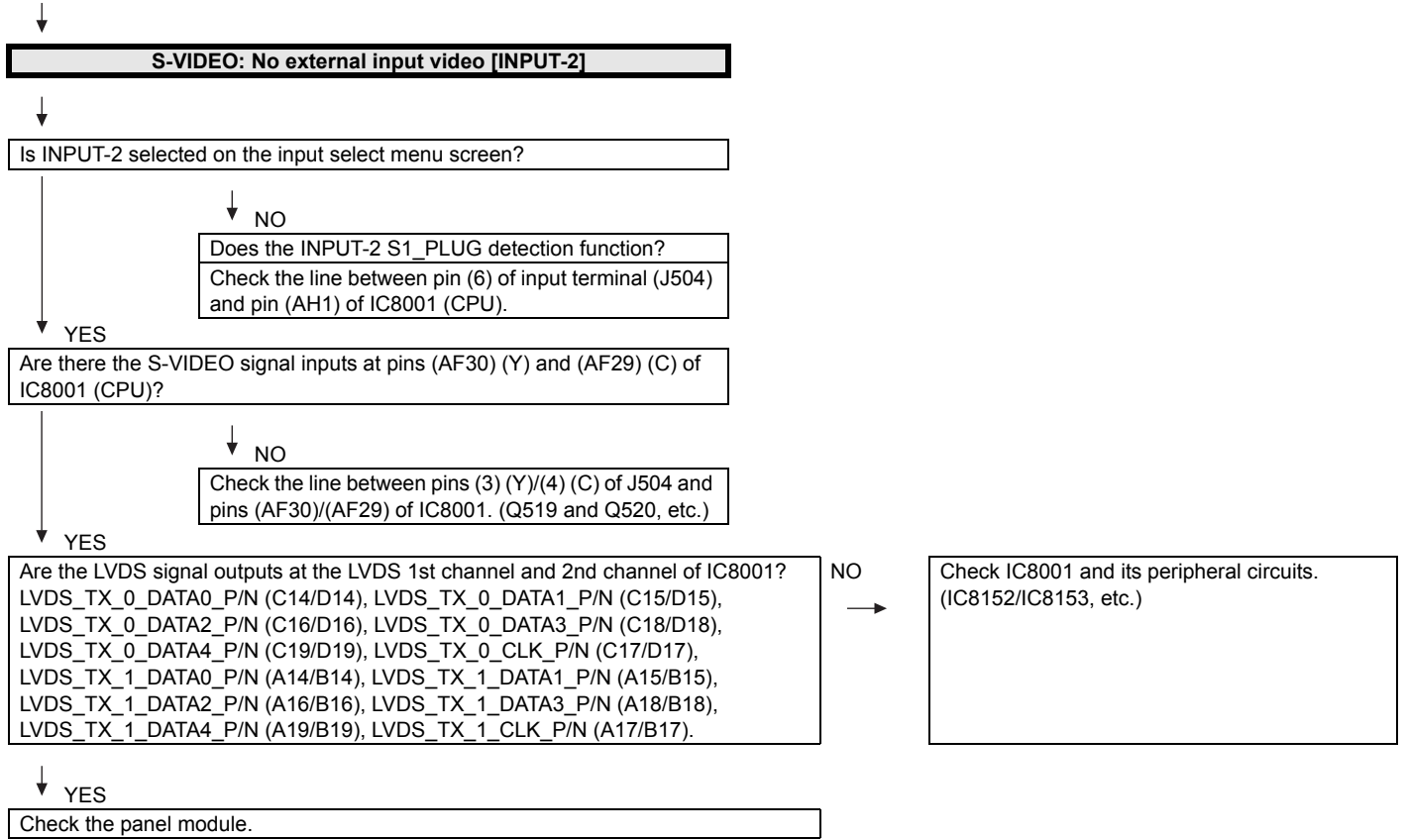
CHAPTER 6. TROUBLESHOOTING TABLE

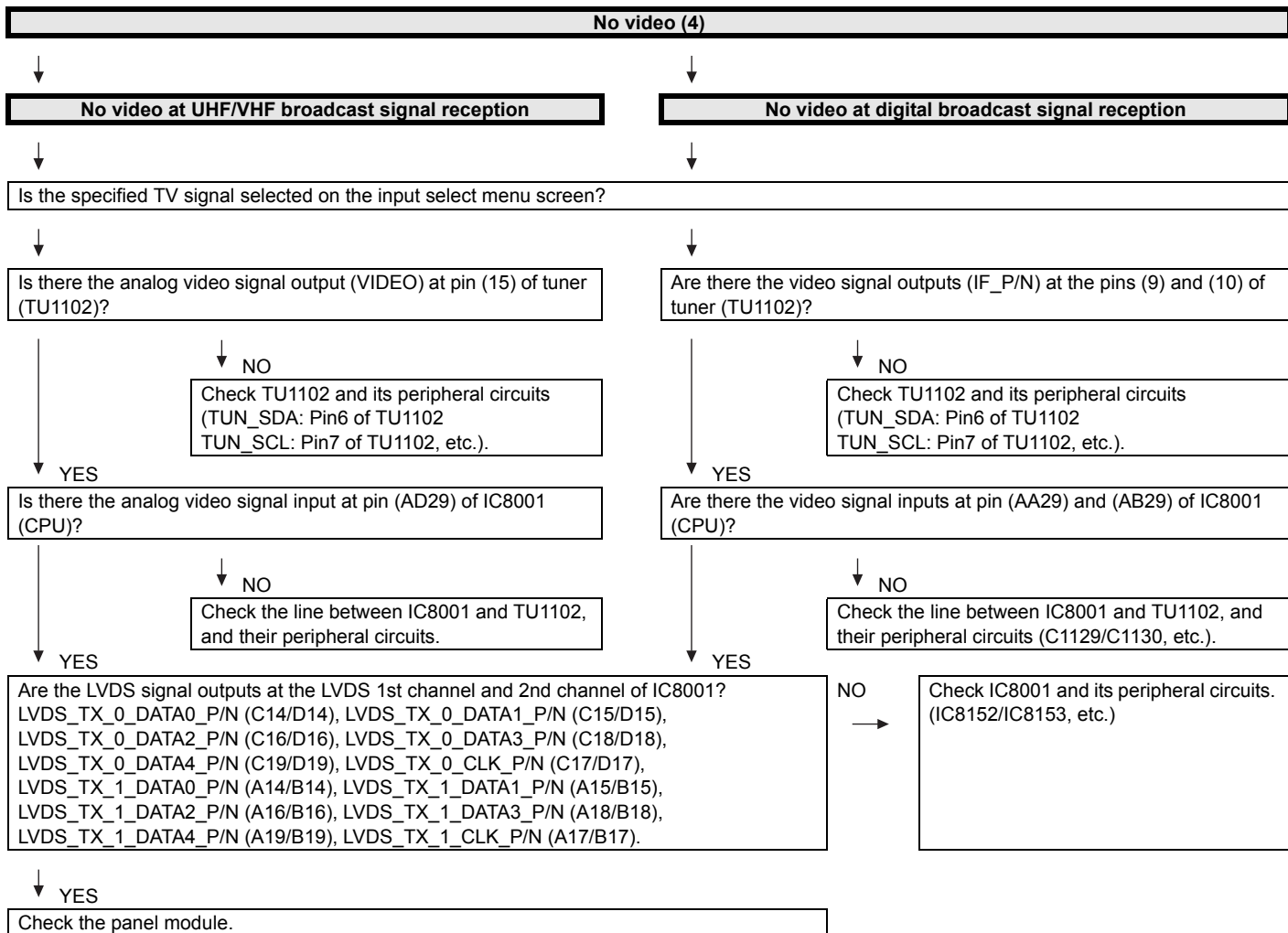
[1] TROUBLESHOOTING TABLE

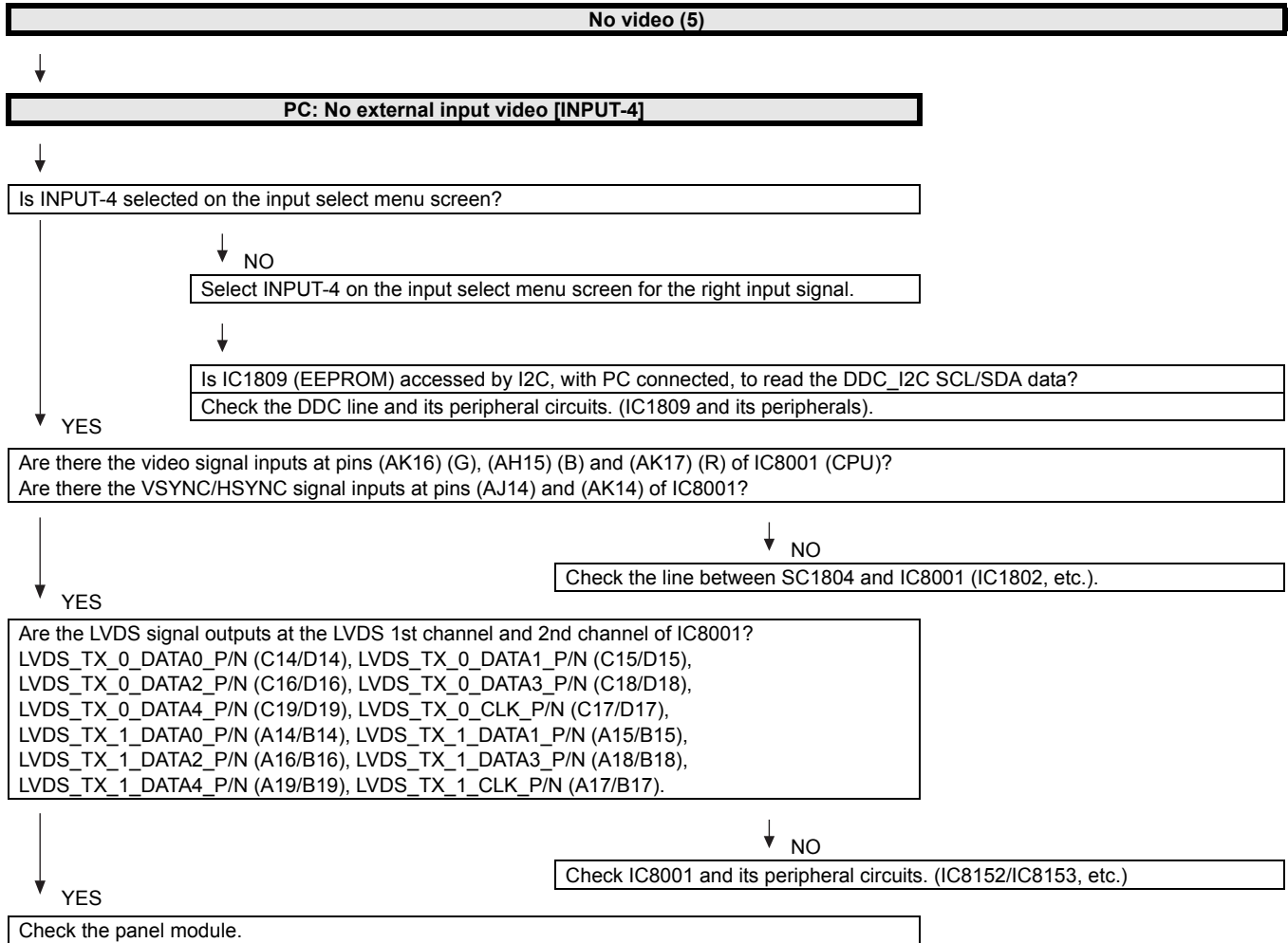




No video (3)







<HDMI input> No video (6)-1

HDMI: No external input video [INPUT-5]

Is INPUT-5 selected on the input select menu screen?

NO
Select INPUT-5 on the input select menu screen for the right input signal.

YES

Does the HOT PLUG detection function?
Does the DDC5V signal come from pin (18) of SC1601 to pin (36) of IC1605 (HDMI_SW1)?

NO
Check the line between the input terminals of SC1601 and IC1605.
Check IC1605 and its peripheral circuits (SDA1: pin53 of IC1605/SCL1: pin54 of IC1605, etc.).

YES

Does the HPD signal come from pin (35) of IC1605 to pin (19) of SC1601?

NO
Check the line between the pin (35) of IC1605 and the pin (19) of SC1601.
Check IC1605 and its peripheral circuits (SDA1: pin53 of IC1605/SCL1: pin54 of IC1605, etc.).

YES

Are there the TMDS signal inputs at pins (1/2) (CLK-/+) , (3/4) (D0-/+) , (5/6) (D1-/+) , (7/8) (D2-/+) , all of IC1605?

NO
Is IC1605 (pin33/pin34) accessed by I2C, with HDMI connected, to read the DDC_I2C SDA/SCL data?

NO
Check the DDC line and its peripheral circuits. (IC1605 and its peripherals).

YES

Are there the TMDS signal inputs at pins (AJ6/AK6) (CLK-/+) , (AJ7/AK7) (D0-/+) , (AJ8/AK8) (D1-/+) , (AJ9/AK9) (D2-/+) , all of IC8001 (CPU)?

YES

Are the LVDS signal outputs at the LVDS 1st channel and 2nd channel of IC8001?
LVDS_TX_0_DATA0_P/N (C14/D14), LVDS_TX_0_DATA1_P/N (C15/D15),
LVDS_TX_0_DATA2_P/N (C16/D16), LVDS_TX_0_DATA3_P/N (C18/D18),
LVDS_TX_0_DATA4_P/N (C19/D19), LVDS_TX_0_CLK_P/N (C17/D17),
LVDS_TX_1_DATA0_P/N (A14/B14), LVDS_TX_1_DATA1_P/N (A15/B15),
LVDS_TX_1_DATA2_P/N (A16/B16), LVDS_TX_1_DATA3_P/N (A18/B18),
LVDS_TX_1_DATA4_P/N (A19/B19), LVDS_TX_1_CLK_P/N (A17/B17).

YES

Check the panel module.

HDMI: No external input video [INPUT-7]

Is INPUT-7 selected on the input select menu screen?

NO
Select INPUT-7 on the input select menu screen for the right input signal.

YES

Does the HOT PLUG detection function?
Does the DDC5V signal come from pin (18) of SC1602 to pin (42) of IC1605 (HDMI_SW1)?

NO
Check the line between the input terminals of SC1601 and IC1605.
Check IC1605 and its peripheral circuits (SDA1: pin53 of IC1605/SCL1: pin54 of IC1605, etc.).

YES

Does the HPD signal come from pin (41) of IC1605 to pin (19) of SC1602?

NO
Check the line between the pin (41) of IC1605 and the pin (19) of SC1601.
Check IC1605 and its peripheral circuits (SDA1: pin53 of IC1605/SCL1: pin54 of IC1605, etc.).

YES

Are there the TMDS signal inputs at pins (11/12) (CLK-/+) , (13/14) (D0-/+) , (15/16) (D1-/+) , (17/18) (D2-/+) , all of IC1605?

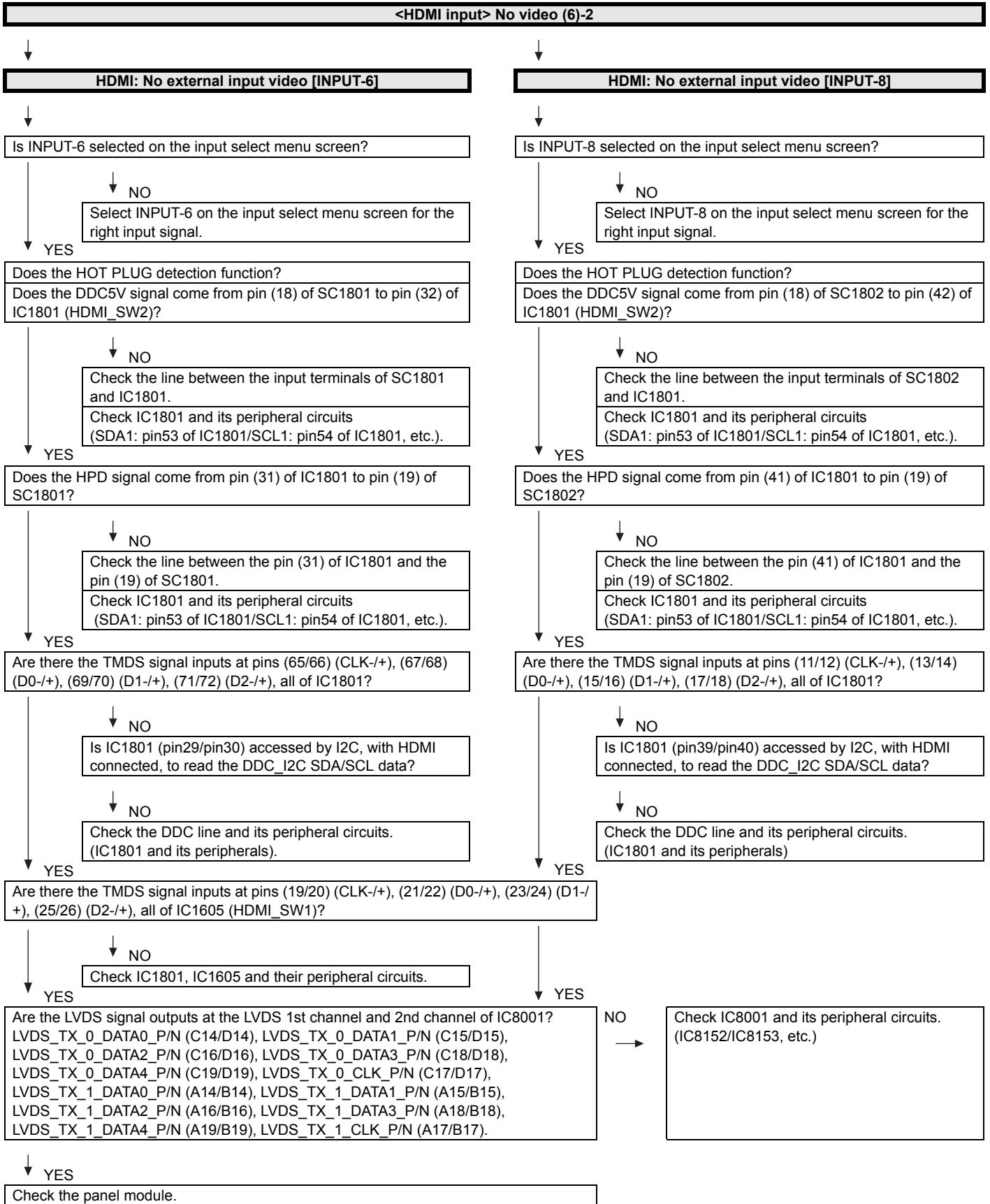
NO
Is IC1605 (pin39/pin40) accessed by I2C, with HDMI connected, to read the DDC_I2C SDA/SCL data?

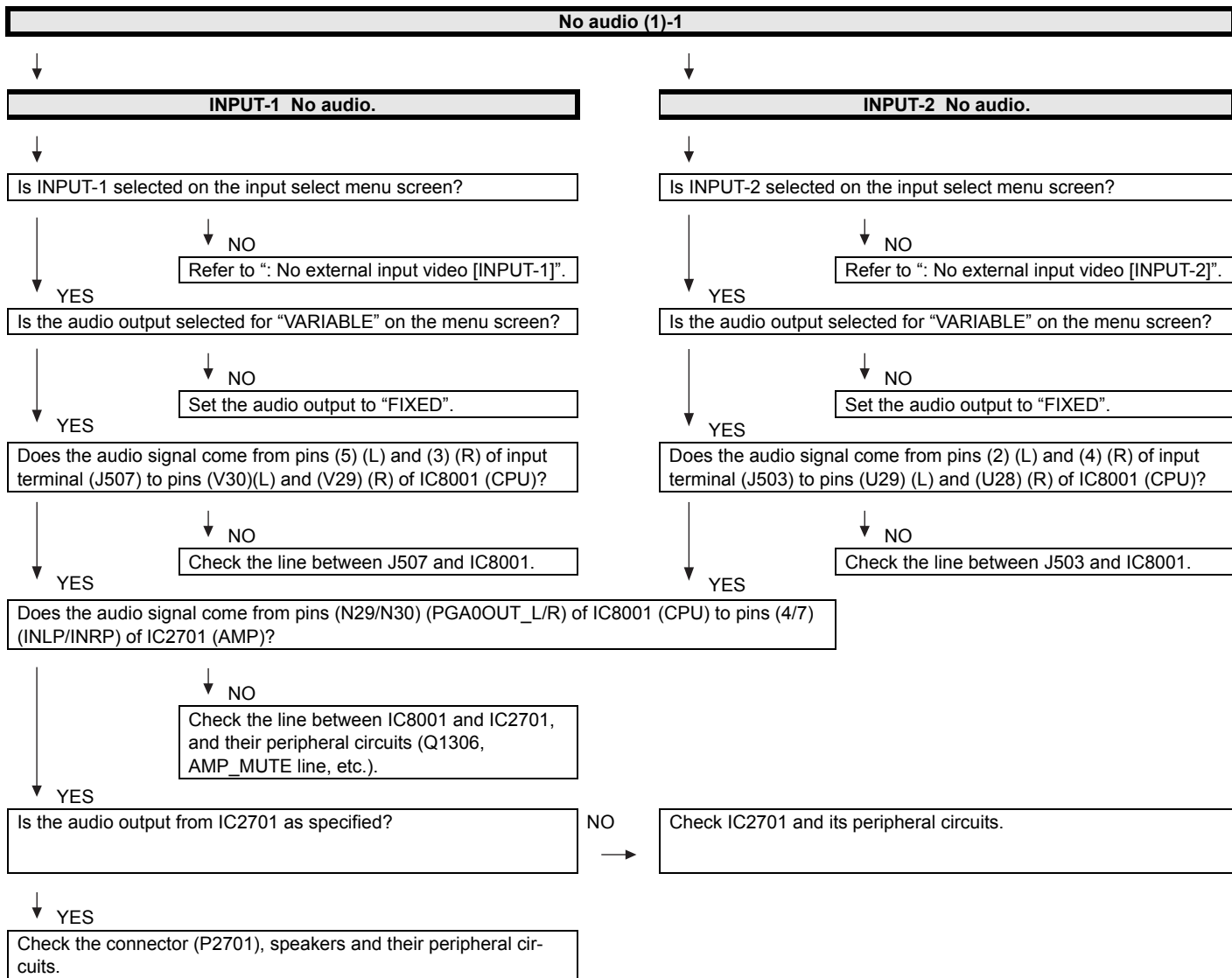
NO
Check the DDC line and its peripheral circuits. (IC1605 and its peripherals).

YES

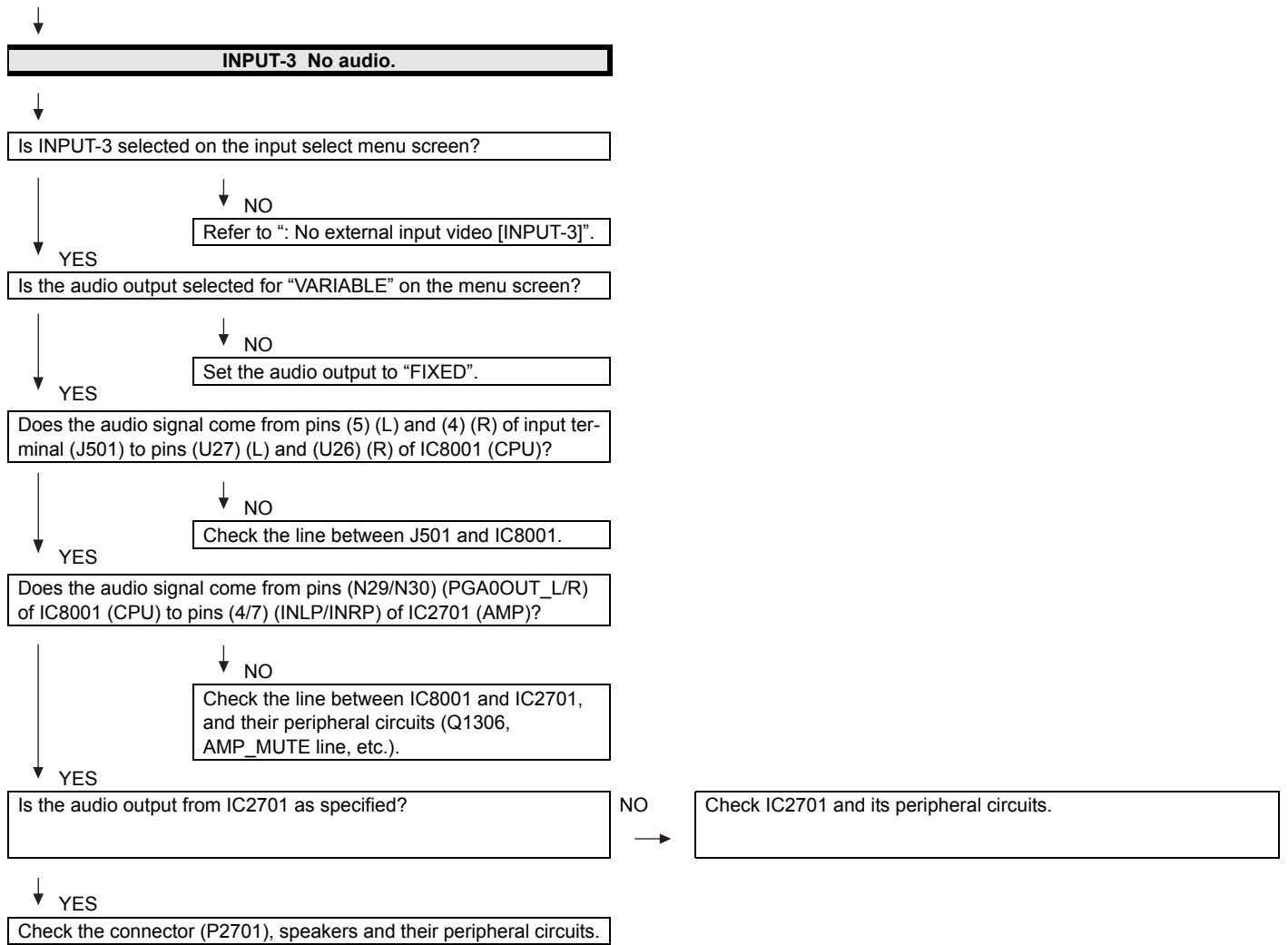
NO → Check IC1605, IC8001 and their peripheral circuits.

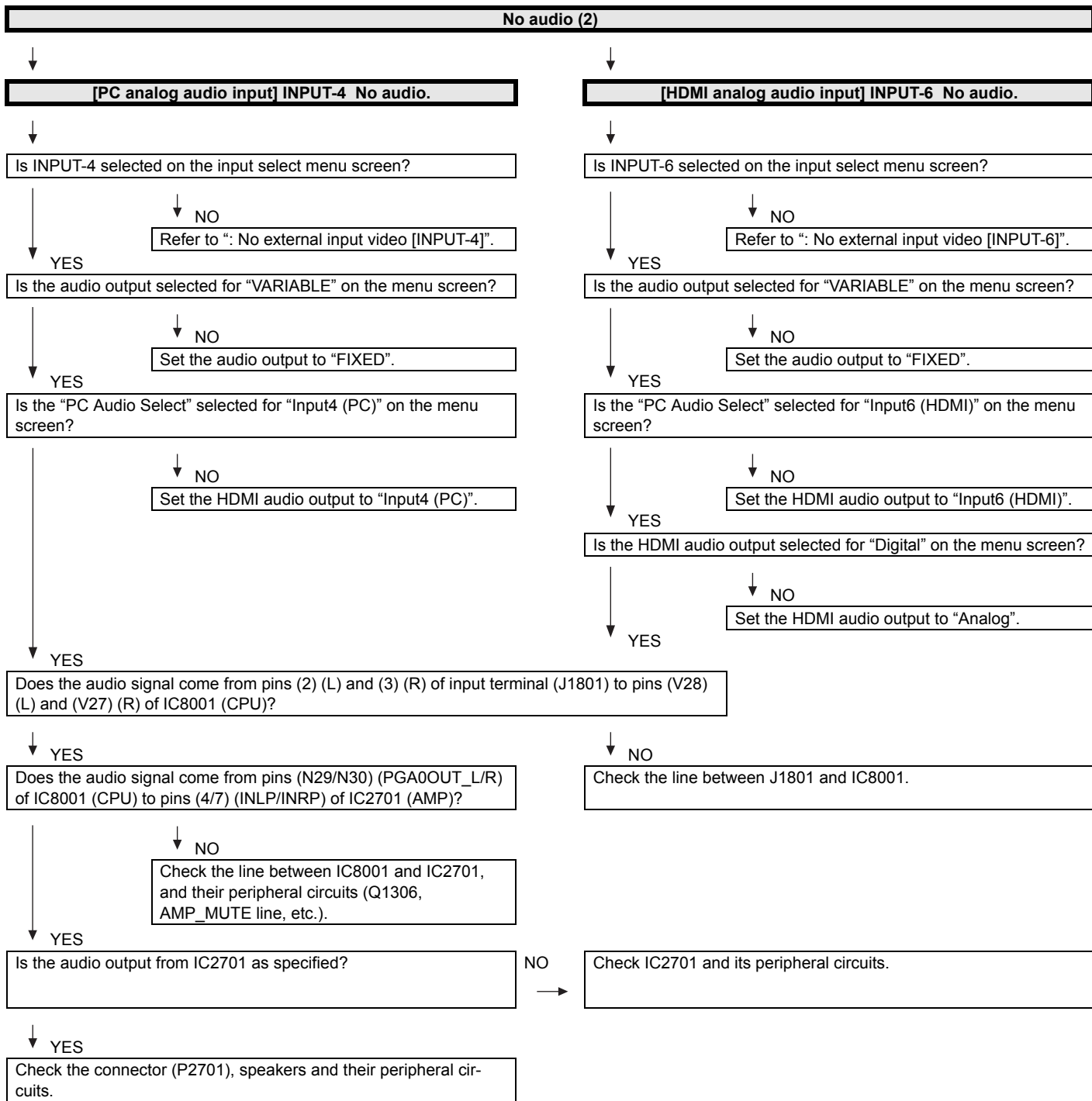
NO → Check IC8001 and its peripheral circuits. (IC8152/IC8153, etc.)

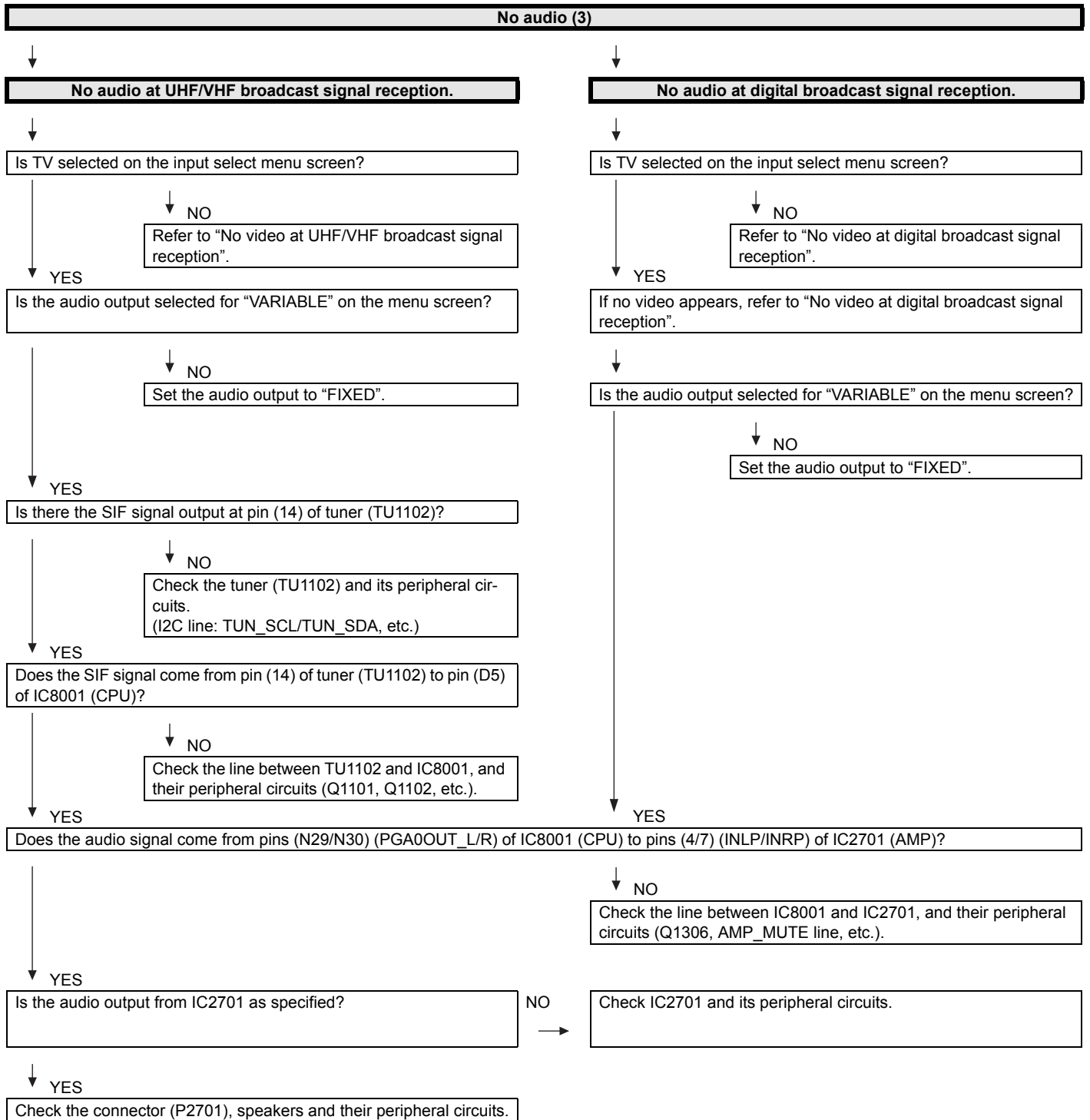


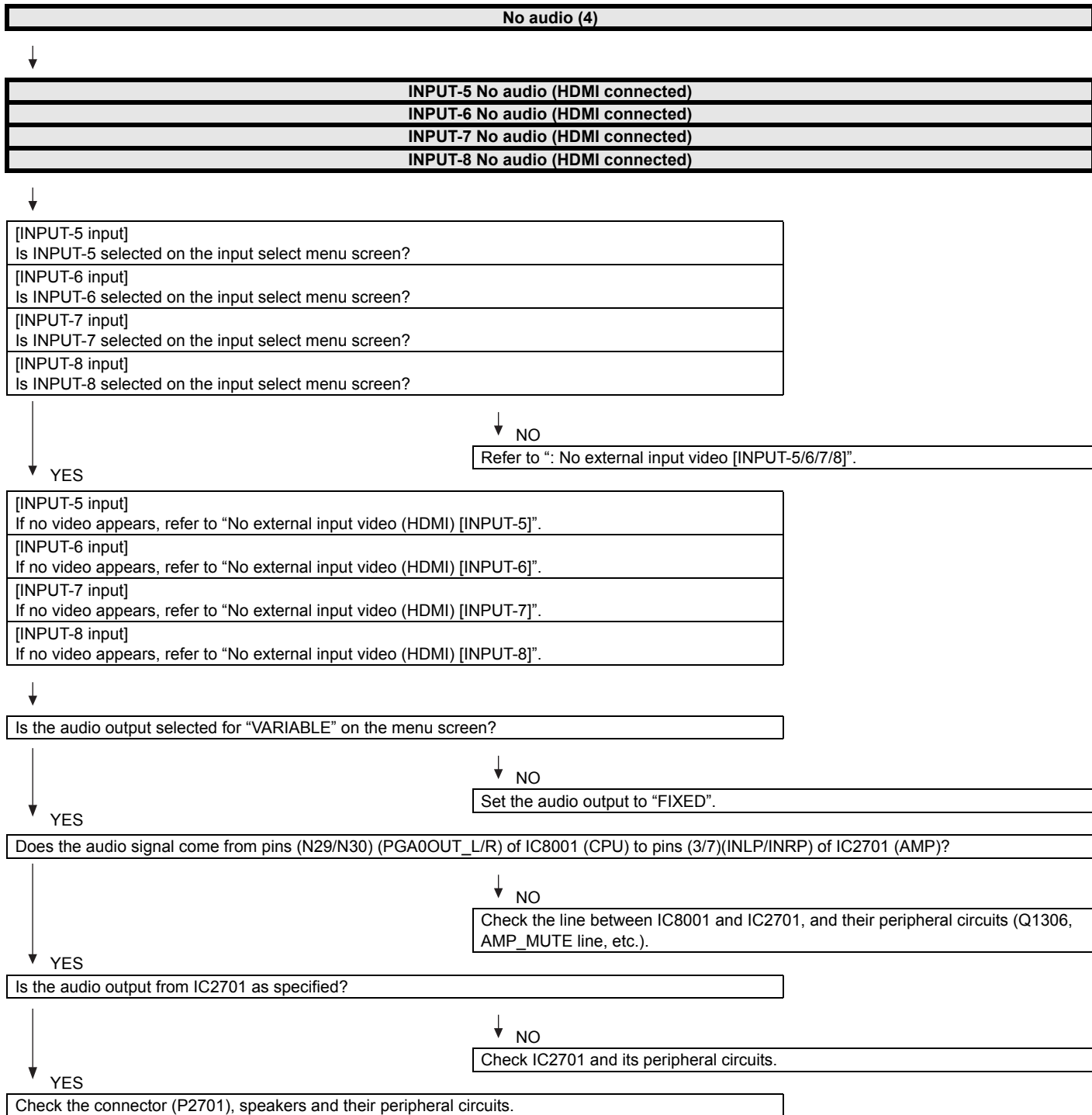


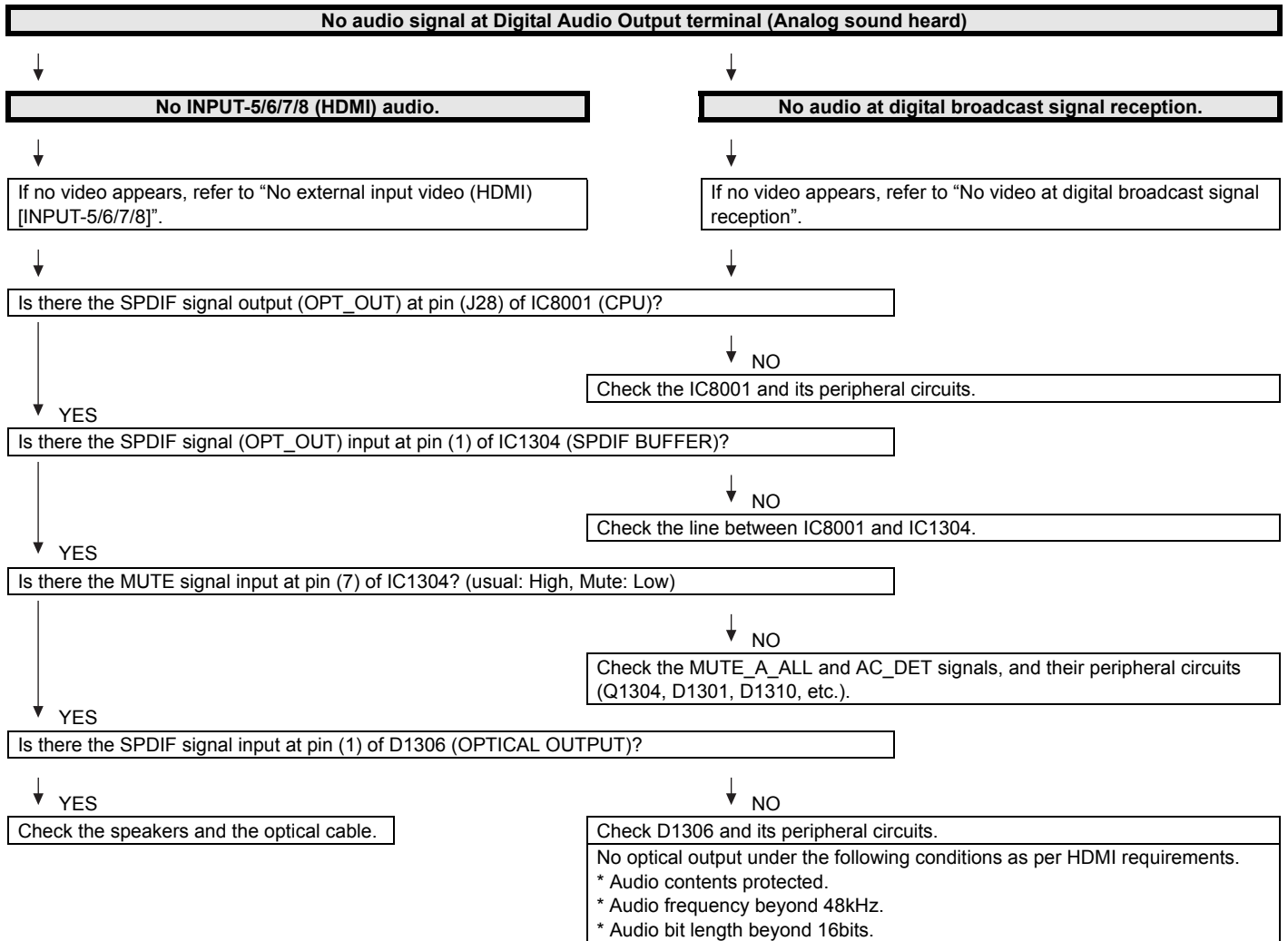
No audio (1)-2



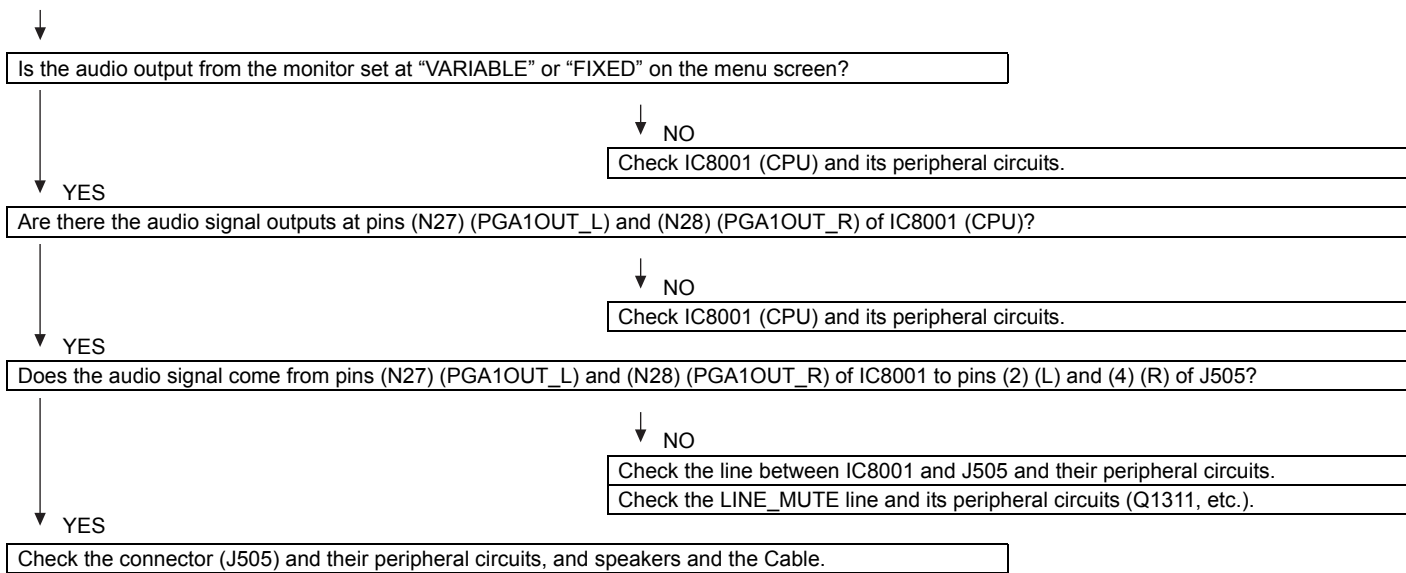








No monitor audio output



No connect network (Except for LC-32LE700UN)

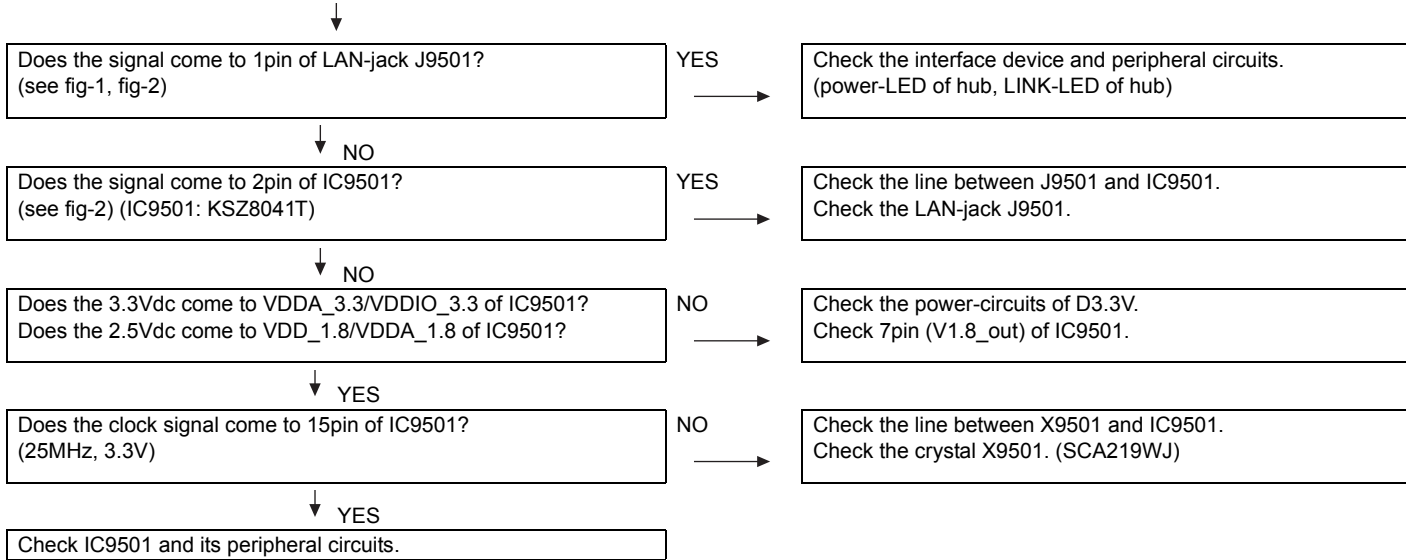


fig-1 LAN-jack J9501

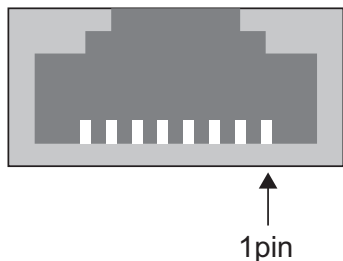
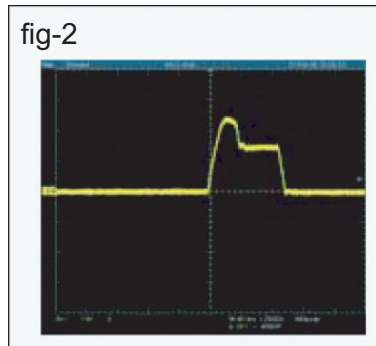
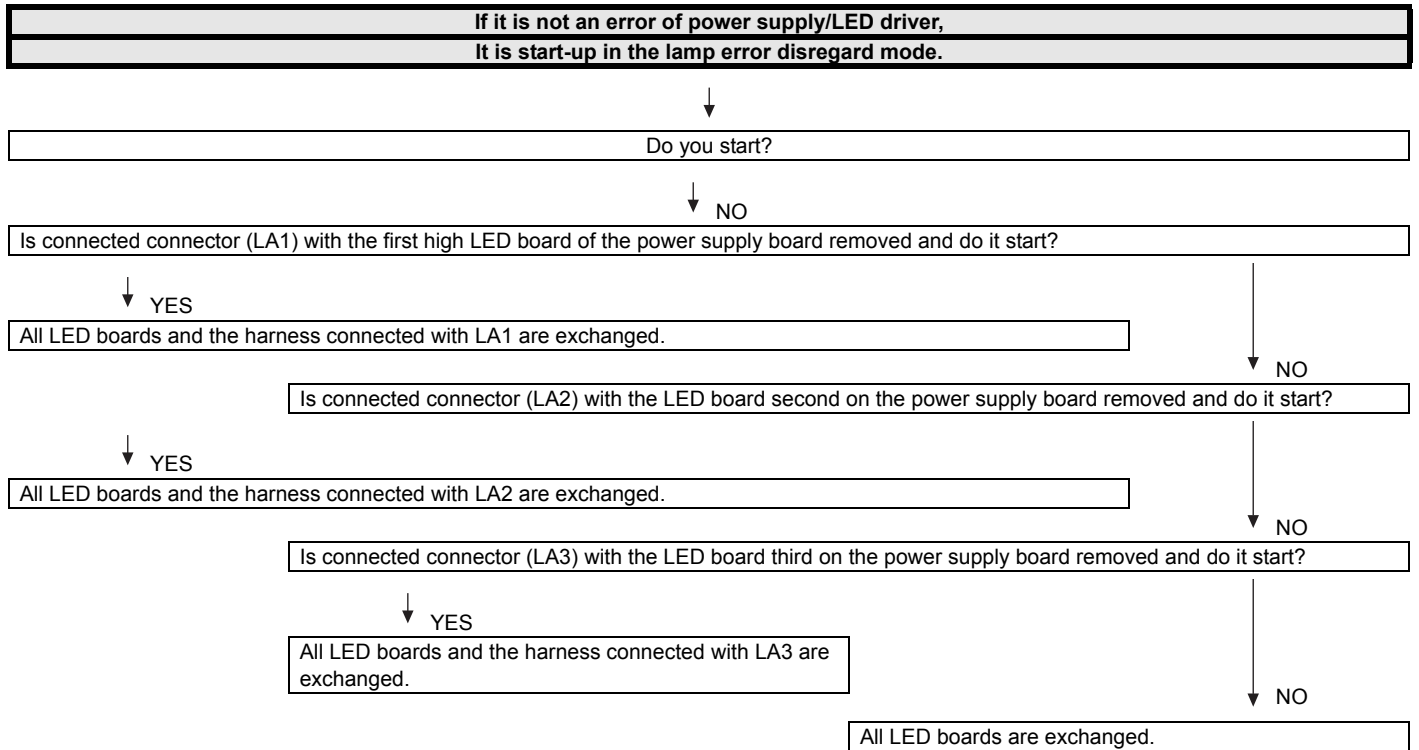
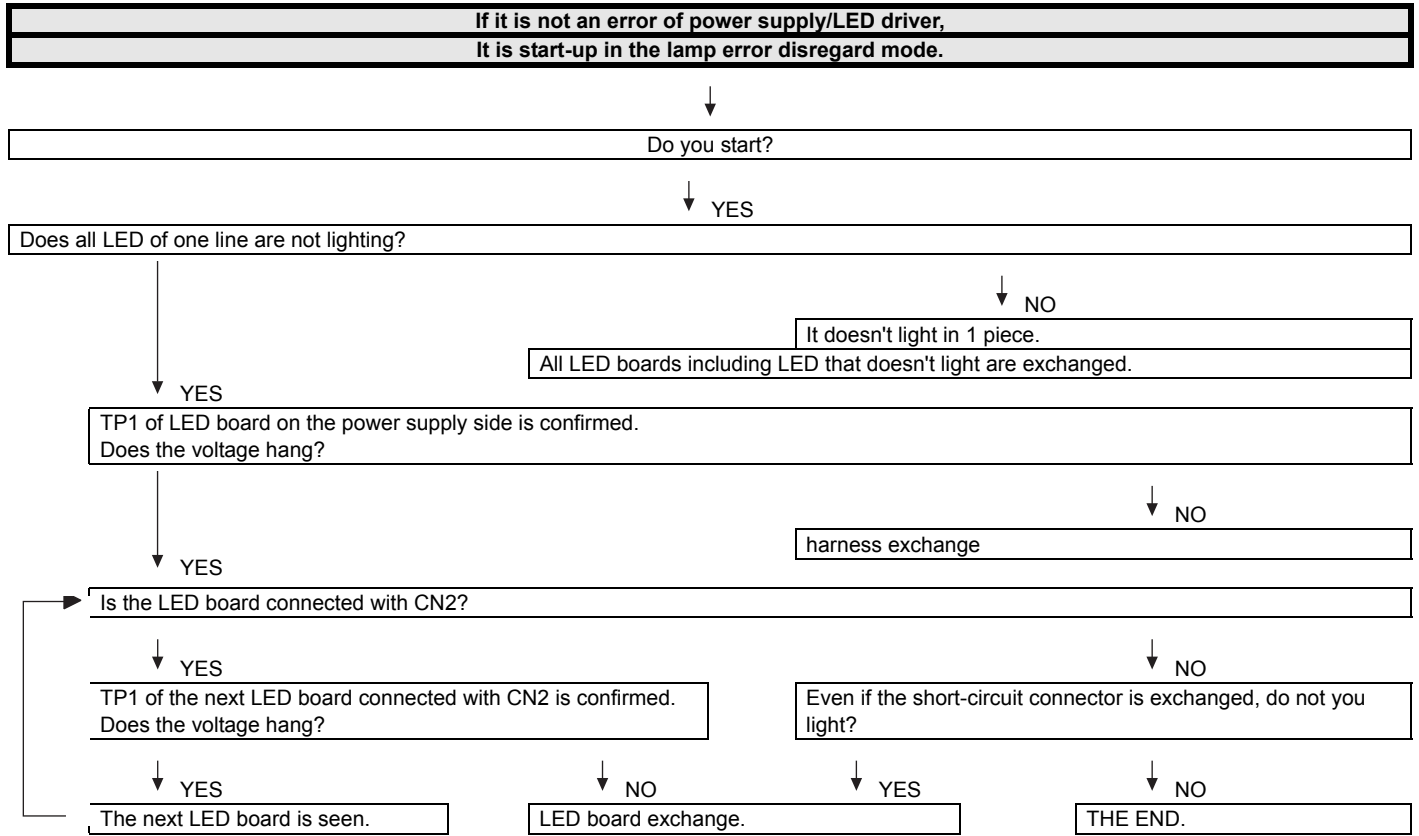
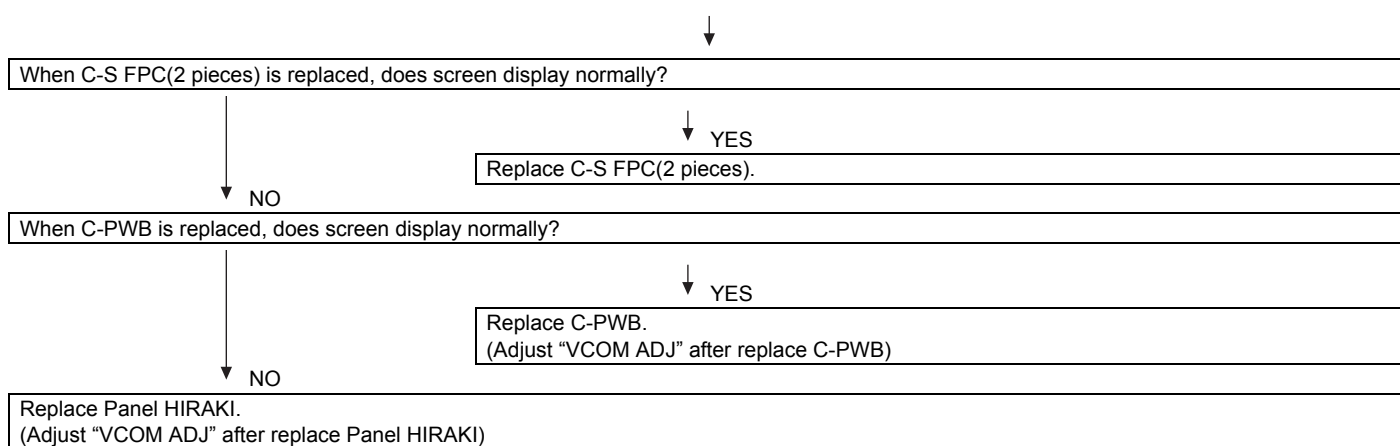


fig-2










Trouble Shooting Panel Module









LED flashing timing chart for error notification.






1) Power LED (Large classification)

Error type	Power green LED operation (1 cycle)	Pins are monitor microprocessor (IC2002) pins.
Lamp error Flashes once: Fast	H: On  L: Off	ERR_PNL (40pin): L error. Confirmed after 8 consecutive detections at 64 ms intervals (detected only when the backlight is on). Note that after five detection counts, the lamp cannot be activated except in the monitoring process. [Clearing method of the accumulated counts] • Set "LAMP ERROR RESET" on page 2 of the process A to 0.
Power error Flashes twice	H: On  L: Off	Refer to "Power error details".
Communication error with the main CPU Flashes 3 times	H: On  L: Off	Refer to "Communication error details". Communication line error or main CPU communication error → Check debug statements for the main CPU. Communication line with the main CPU: TxD(28pin), RxD(29pin)
Monitor temperature error Flashes 5 times	H: On  L: Off	If the panel temperature is 60°C or more for 15 seconds or more in a row, CAUTION appears on the OSD ("TEMPERATURE" flashes in red in the lower right portion of the screen). If the panel temperature is 60°C or more for 25 seconds or more in a row, error standby is activated. [Avoidance method] Reduce the value of MONITOR MAX TEMP (temperature protection threshold) on page 35 of the process A.
Program area data destruction Flashes 8 times	H: On  L: Off	Flash ROM data error in the microprocessor [Recovery method] Write the microprocessor software.

2) Power error details (Power LED flashes twice and OPC LED flashes)

Error type	OPC LED operation (1 cycle)	Pins are monitor microprocessor pins unless otherwise specified.
DET_15V error Flashes once	H: On  L: Off	DET_15V (34pin) error (L). UR13V is not applied. If error is detected during operation, error standby is activated by polling.
DET_D3V3 error Flashes twice	H: On  L: Off	DET_D3V3 (36pin) error (L). D3.3V is not applied. If error is detected during operation, error standby is activated by polling.
DET_5V error Flashes 3 times	H: On  L: Off	DET_5V (33pin) error (L). 5V is not applied. If error is detected during operation, error standby is activated by polling.
PNL_12V error Flashes 5 times	H: On  L: Off	DET_PNL_12V (35pin) error (L). Panel power is not applied. If error is detected during operation, error standby is activated by polling.
Main error Flashes 7 times	H: On  L: Off	Main microprocessor detection error (AMP error, etc.) Details are displayed in "ERROR STANDBY CAUSE" on page 1 of the process A for the main microprocessor.
TCON ROM error Flashes 8 times	H: On  L: Off	LCD controller ROM error It is notified by communication from the main CPU.

3) Communication error details (Power LED flashes 3 times and OPC LED flashes)

Error type	OPC LED operation (1 cycle)	Basically, log analysis of debug print statements or communication log analysis by a bus monitor is performed.
Initial communication reception error Flashes once	H: On  L: Off	Initial communication from the main CPU is not received. (Request for the monitor model No. is not received after canceling the reset.) → Communication line error or main CPU start-up failure.
Time-out setting reception error Start-up confirmation reception error Flashes twice	H: On  L: Off	Time-out setting and start-up mode change from the main CPU is not received. (Start-up communication of time-out setting and start-up mode change is not received.) → Main CPU start-up failure or monitor microprocessor reception failure.
Regular communication error Flashes 3 times	H: On  L: Off	Regular communication that is performed at 1 second intervals in the normal operation is interrupted. → Main CPU operation failure or monitor microprocessor reception failure.

MONITOR_ERR_CAUSE list

No.		Description
Dec.	Hex.	
0	0	No error
1	1	5V detection error
2	2	Panel 12V detection error
3	3	15V detection error
4	4	D3.3V detection error
6	6	Lamp error
8	8	Main CPU reset cancel - Start-up completion command reception time-out
9	9	Start-up completion command reception - Time-out setting command reception time-out
10	A	Time-out setting command reception - Start-up reason change command reception time-out
11	B	Regular communication time-out
12	C	Temperature protection
16	10	Error notification from the main CPU
17	11	Time-out during ending sequence
18	12	TCON ROM error

CHAPTER 7. MAJOR IC INFORMATIONS

[1] MAJOR IC INFORMATIONS

1. MAJOR IC INFORMATIONS

1.1. IC1605, IC1801 (VHiSii9287+-1Q)

This IC is 4 input and 1 output HDMI port processor.

It integrated TMDS receiver and transmitter cores capable of receiving and transmitting at 2.25Gbps. (Supports video resolutions up to 1080p, 60Hz, 12bit.)

The Equalizer circuits to adapt long cable are integrated in This IC.

EDID and DDC support for 4 HDMI/DVI ports and 1 VGA port.(This IC includes 256-byte NVRAM and 256-byte SRAM for each port(5 total).)

1.2. IC2002 (RH-iXC786WJN4Q)

The monitor microprocessor is intended to communicate with the main microprocessor and to operate the system.

It also controls power of the entire system.

1.3. IC2701 (VHiYDA148QZ-1Y)

The Class-D type digital audio power amplifier YDA148QZ gives maximum continuous output of 10 W/ch.

1.4. IC8001 (RH-iXC579WJQZQ)

This LSI is FULL HIGH-DEFINITION 1080P DIGITAL TV SYSTEM-ON-A-CHIP.

It combines a cable/terrestrial 64/256-QAM and 8-VSB receiver, a transport processor, a digital audio processor, a high definition (HD) MPEG video decoder, 2D graphics processing, digital processing of analog video and audio, analog video digitizer and DAC functions, stereo high-fidelity audio DACs, HDMI receivers for 1080p 60 inputs, a 625-MHz processor, and a peripheral control unit providing a variety of television control functions.

The cable/terrestrial receiver directly samples a tuner output with an analog-to-digital converter (ADC).

The LSI digitally resample and demodulates the signal with recovered clock and carrier timing, filters and equalizes the data, and passes soft decisions to an ATSC/A74 and ITU-T J.83 Annex B-compatible decoder.

It has an MPEG-2 Digital Video Broadcasting (DVB)-compliant transport processor with advanced section filtering capability, DVB descrambler, and an MPEG-2 (MP@HL profile) video decoder.

Audio support includes a BTSC and a Dolby AC3/MPEG-2 Layer 1, 2, audio decoder.

The LSI provides analog and digital audio/video outputs.

A SPDIF output and a pair of analog outputs (L-R) are provided via the integrated audio DACs.

The NTSC analog video decoder is supported by its own motion adaptive deinterlacing and 3D comb filtering, including 1080i deinterlacing.

The LSI includes advanced 2D graphics processing.

One transport stream input is included.

The LSI incorporates a complete ARM11-based microprocessor subsystem including caches with bridging to memory and a local bus, where external peripherals can be attached.

Integrated peripherals include two USB 2.0, three UARTs, counter/timers and GPIO controllers.

1.5. IC8152/IC8153 (RH-iXC768WJQZQ)

These are 512M bit (32M x 16bit) DDR2-1066 synchronous DRAM.

1.6. IC8453 (RH-iXC894WJQZQ)

The 512M-bit NAND flash memory device stores the main CPU program.

1.7. IC8454 (VHiS24CS64A-1Y)

This is 64k-bit EEPROM device including the user setting.

1.8. IC9003 (VHiM3221EiP-1Y)

This IC is a high speed, single-channel RS-232 transceiver interface device that operates from a single 3.3V power supply.

The device provides the electrical interface between an asynchronous communication controller and the serial-port connector.

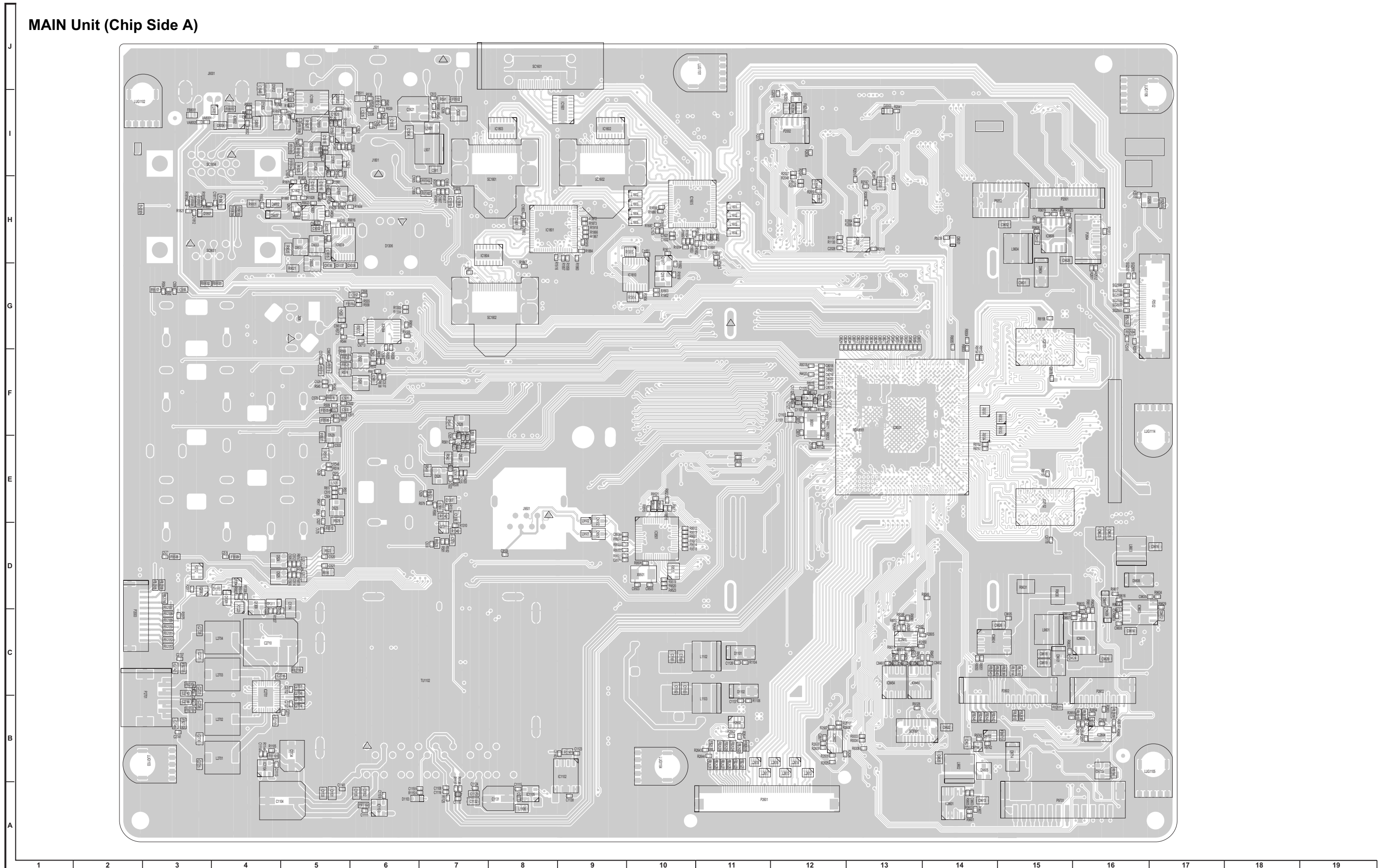
This device operate at data signaling rates up to 460kbit/s.

All RS-232(Tout and Rin) and CMOS (Tin and Rout) inputs and outputs are protected against electrostatic discharge (up to +/- 15kV ESD protection).

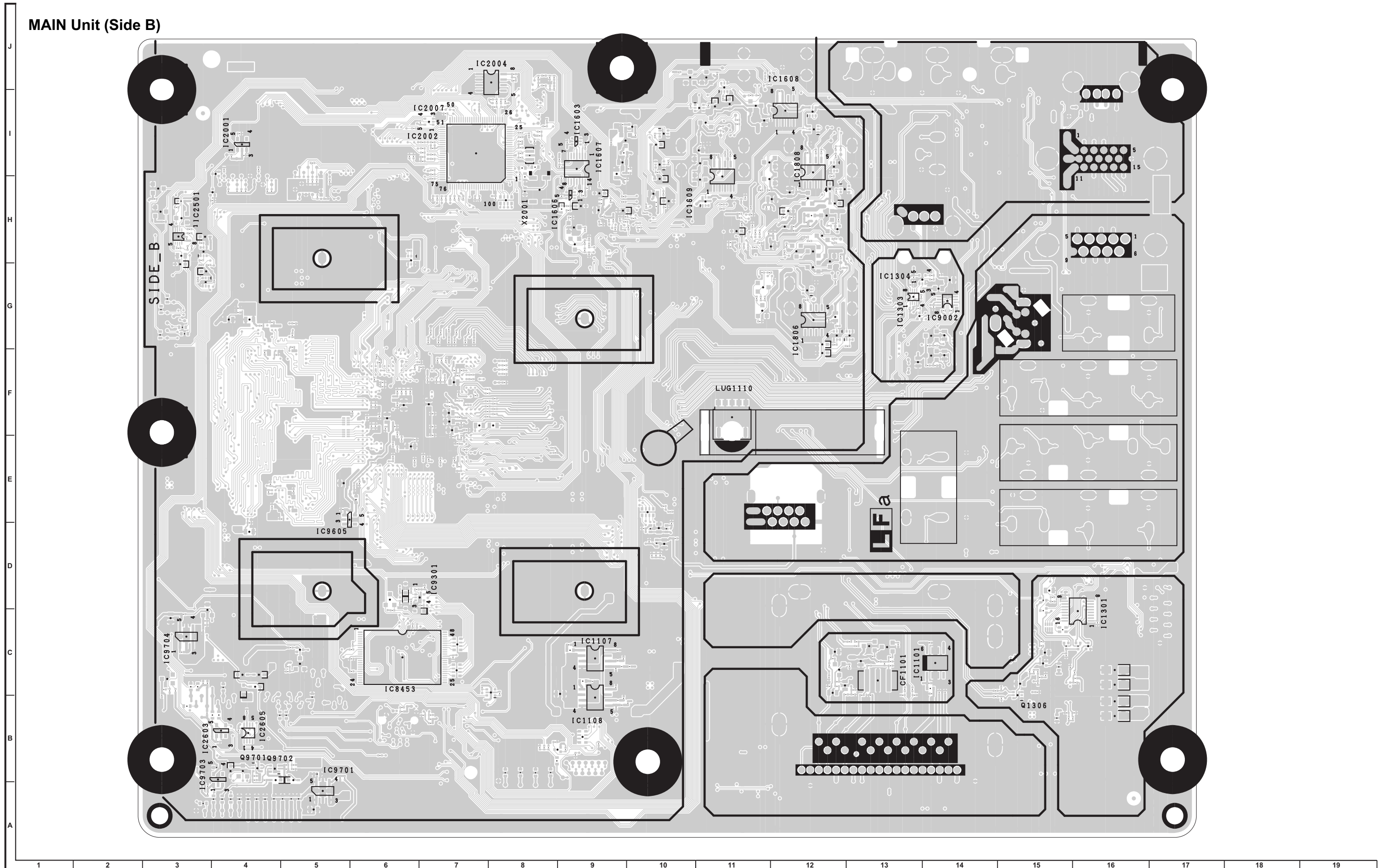
1.9. IC9501(VHiKSZ8041T-1Y) (Except for LC-32LE700UN)

This IC is a single supply 10Base-T/100Base-TX Physical Layer Transceiver, which provides MII/RMII/SMII interfaces to transmit and receive data.

MAIN Unit (Chip Side A)



MAIN Unit (Side B)



MAIN Unit (Chip Side B)



CHAPTER 10. SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

1. VOLTAGE MEASUREMENT CONDITION:

- 1) The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

2. INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

- 1) The unit of resistance " Ω " is omitted.
(K=k Ω =1000 Ω , M=M Ω).
- 2) All resistors are $\pm 5\%$, unless otherwise noted.
(K= $\pm 10\%$, F= $\pm 1\%$, D= $\pm 0.5\%$)
- 3) All resistors are 1/16W, unless otherwise noted.

CAPACITOR

- 1) All capacitors are μF , unless otherwise noted.
(P=pF= $\mu\mu\text{F}$).
- 2) All capacitors are 50V, unless otherwise noted.

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 " \triangle " () 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.

AVIS DE SECURITE IMPORTANT:

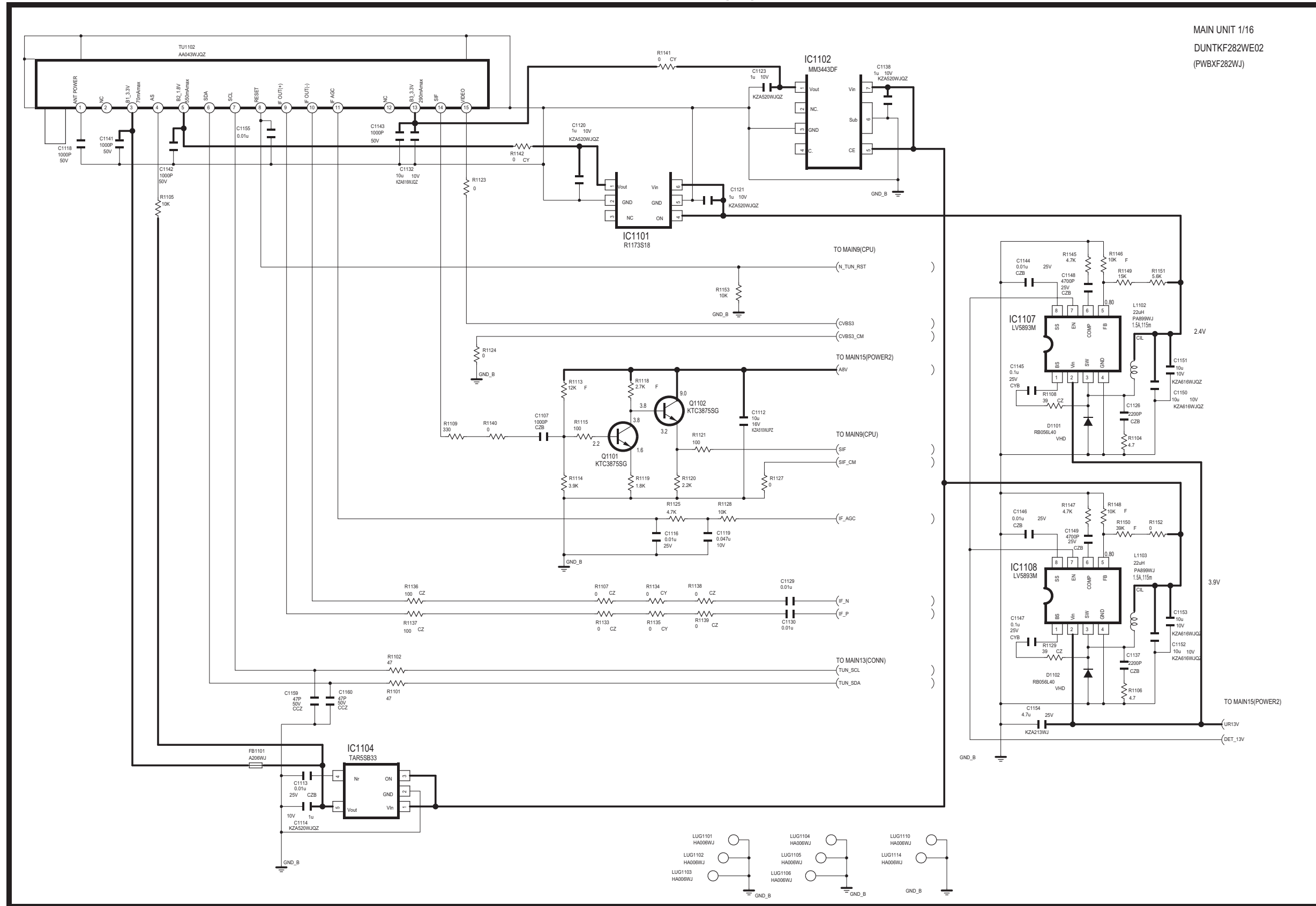
LES PIECES MARQUEES " \triangle " () SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL. NE REMPLACER CES PIECES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.

MAIN Unit-1

MAIN1 (TUNER)

[1/16]

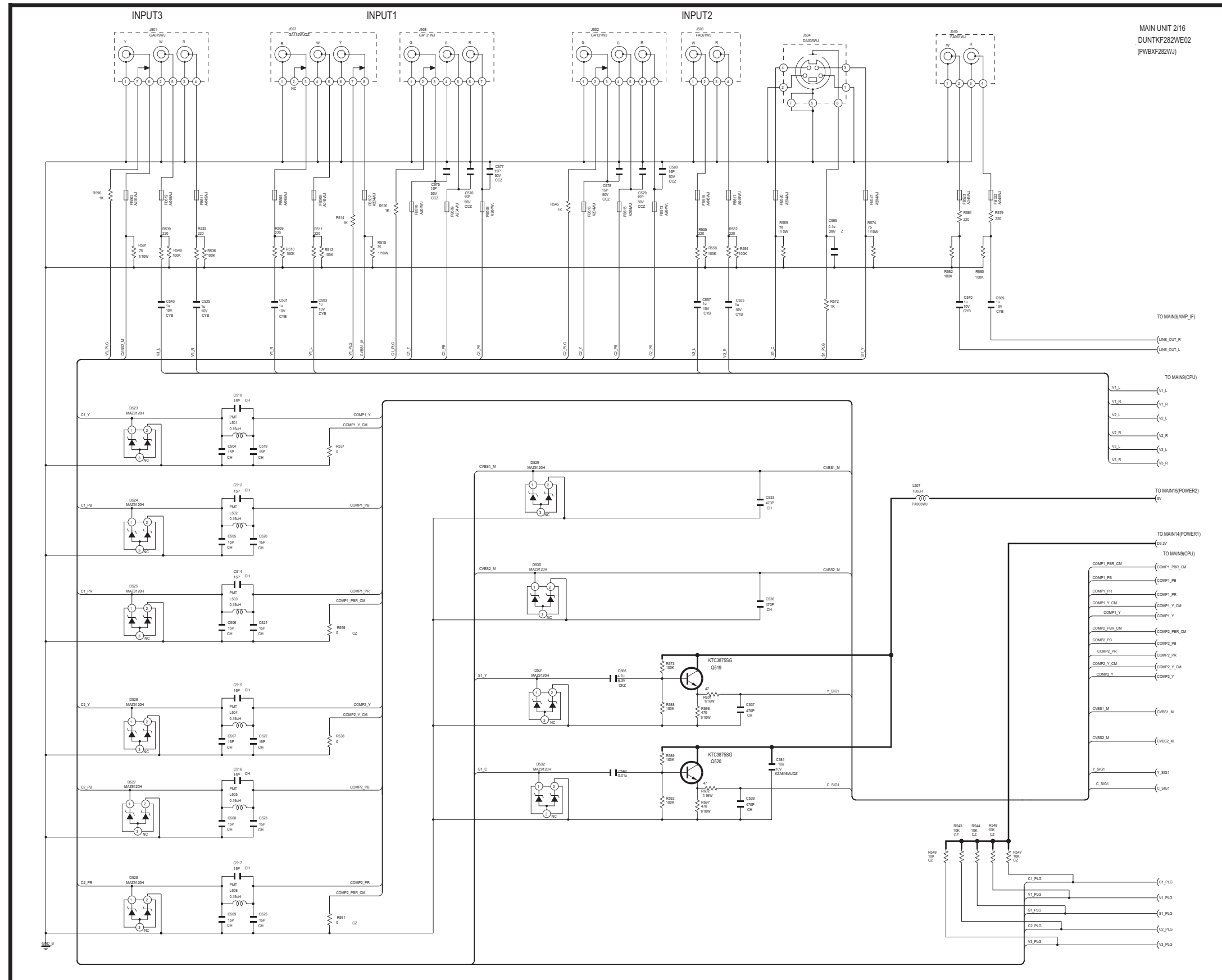
MAIN UNIT 1/16
DUNTKF282WE02
(PWBXF282WJ)



MAIN Unit-2

MAIN2(A_TERM)

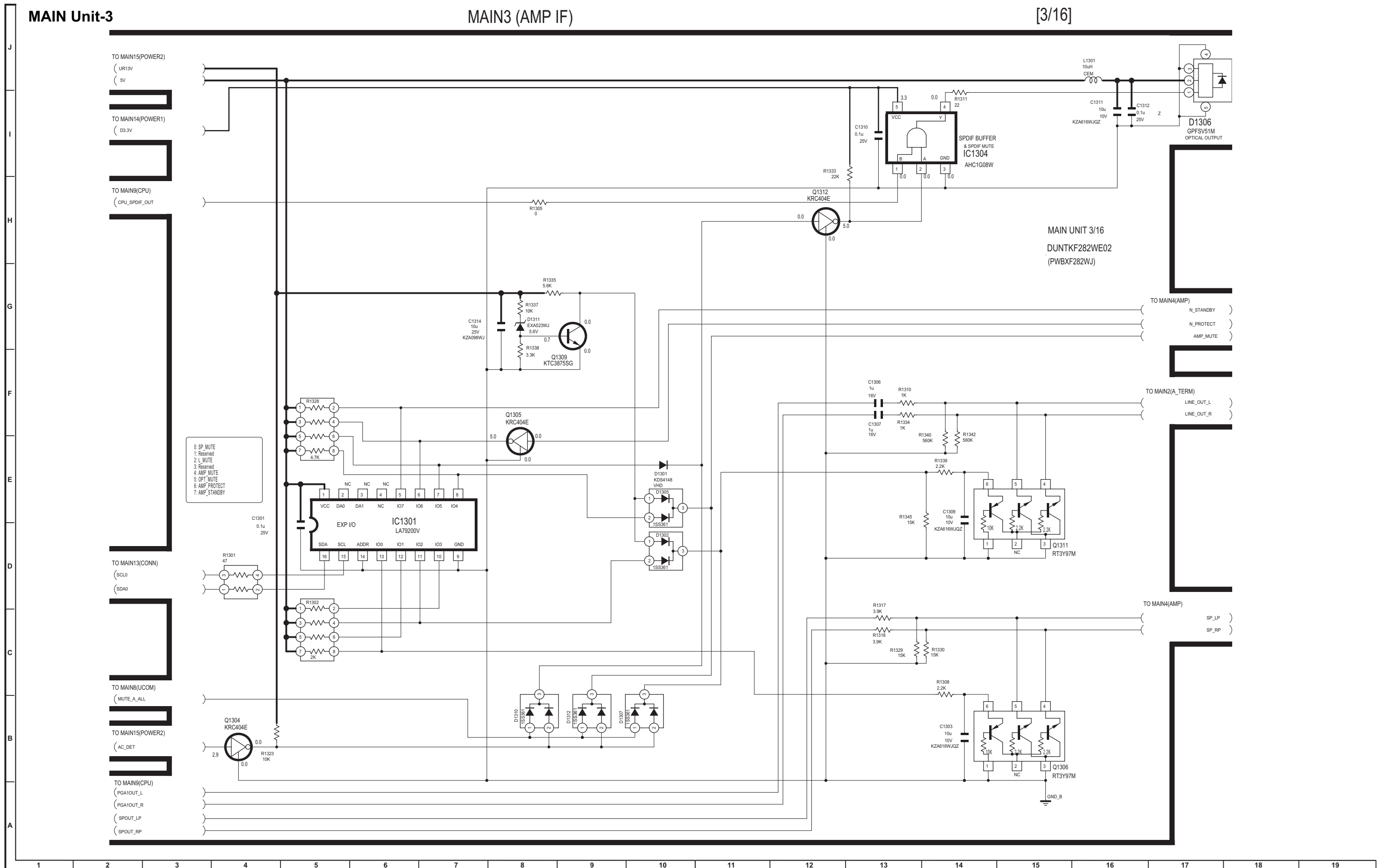
[2/16]



MAIN Unit-3

MAIN3 (AMP IF)

[3/16]

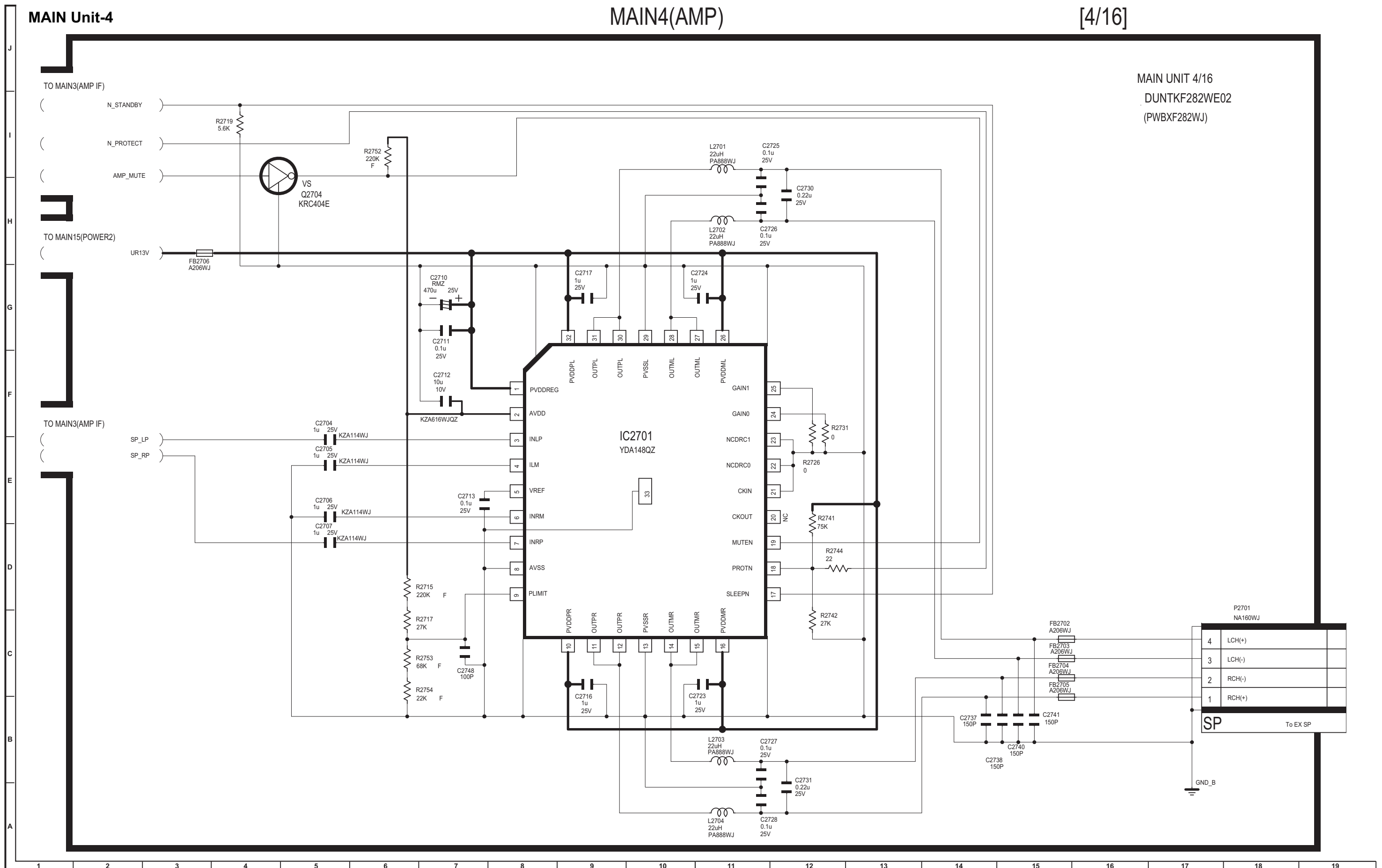


MAIN Unit-4

MAIN4(AMP)

[4/16]

MAIN UNIT 4/16
DUNTKF282WE02
(PWBXF282WJ)

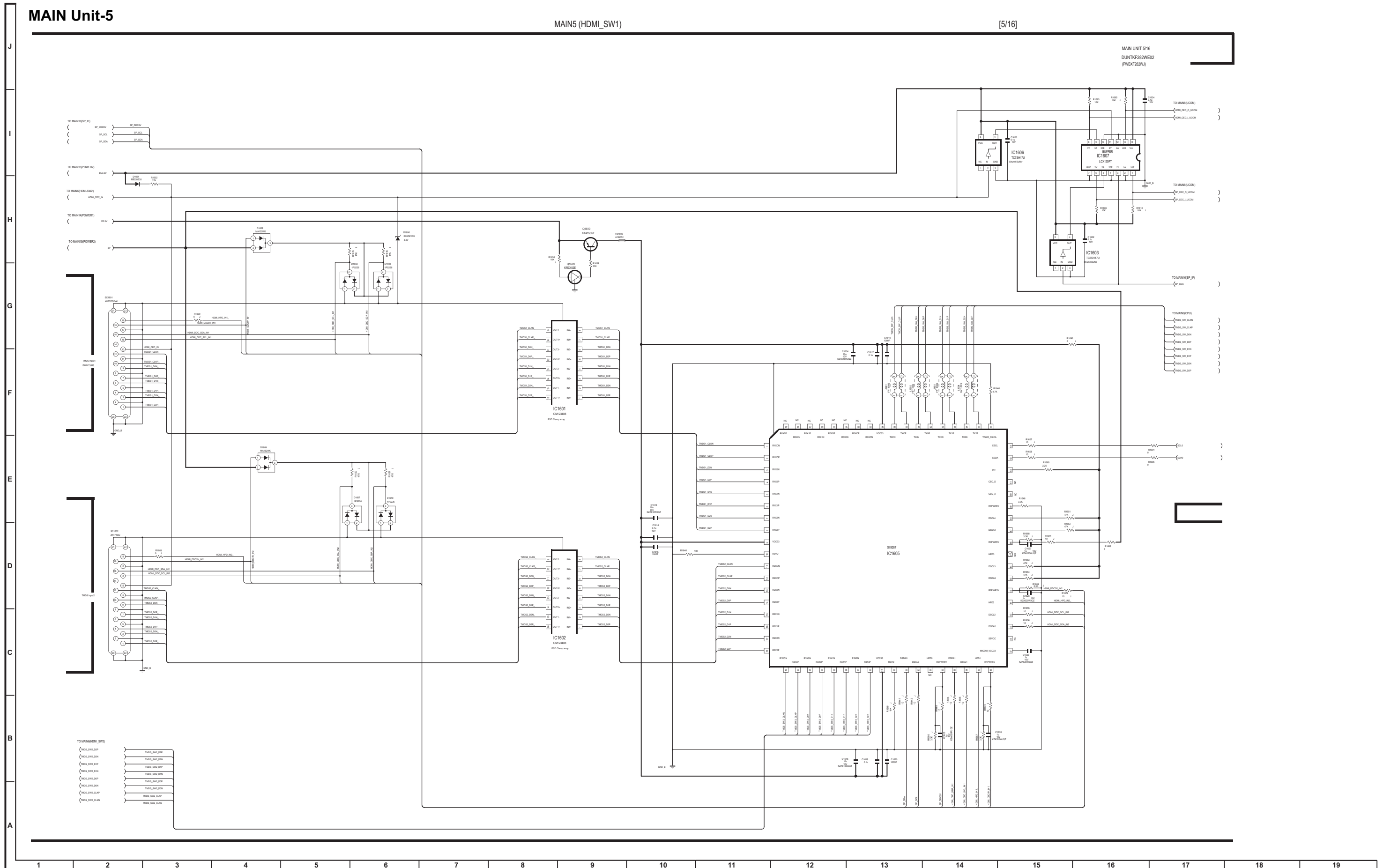


MAIN Unit-5

MAIN5 (HDMI_SW1)

[5/16]

MAIN UNIT 516
DUNTKF282W02
(PWBXF282W)

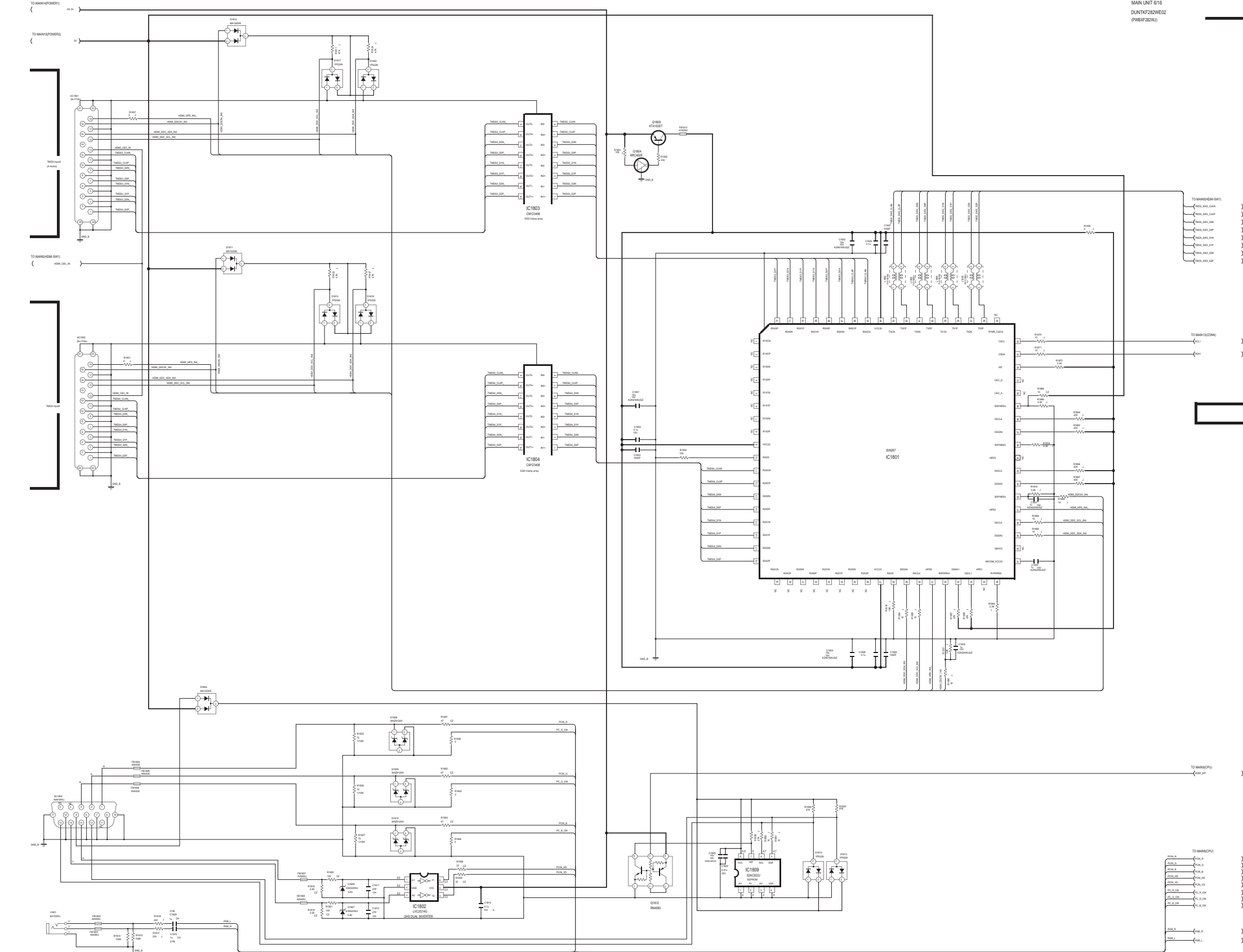


MAIN Unit-6

MAIN6 (HDMI_SW2)

[6/16]

MAIN UNIT 616
DUNT/KF282WE02
(PWB#F32WU)



MAIN Unit-7

MAIN7 (PANEL)

[7/16]

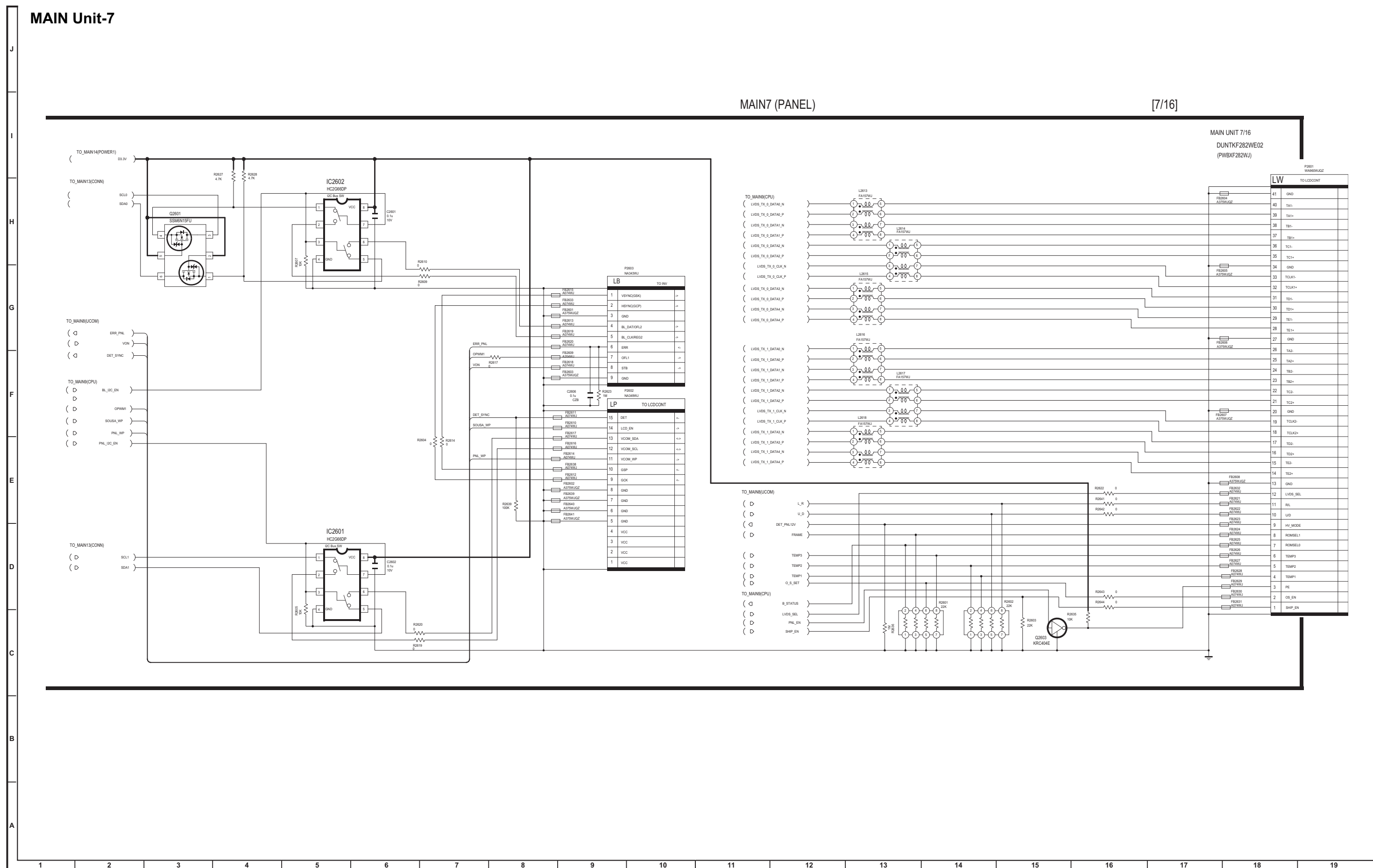
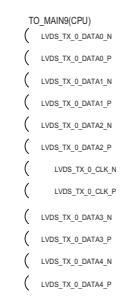
MAIN UNIT 7/16
DUNTKF282WE02
(PWBF282WJ)

F3001
W4600WJ22

LW		TO LCDCONT
41	GND	
40	TAT+	
39	TAT+	
38	TBT+	
37	TBT+	
36	TCL+	
35	TC+	
34	GND	
33	TCLK+	
32	TCLK+	
31	TD+	
30	TD+	
29	TEL+	
28	TE+	
27	GND	
26	TAD+	
25	TAD+	
24	TBD+	
23	TBD+	
22	TCD+	
21	TCD+	
20	GND	
19	TCLK+	
18	TCLK+	
17	TDD+	
16	TDD+	
15	TE+	
14	TE+	
13	GND	
12	LVDS_SEL	
11	RL	
10	UID	
9	HV_MODE	
8	ROMSEL1	
7	ROMSEL0	
6	TEMP3	
5	TEMP2	
4	TEMP1	
3	PE	
2	OS_EN	
1	SHP_EN	

LB		TO SW
1	VBYNC(GSK)	->
2	HBYNC(GFP)	->
3	GND	
4	BL_DATAFL2	->
5	BL_CLKREQ2	->
6	ERR	<-
7	OFL1	->
8	STR	->
9	GND	

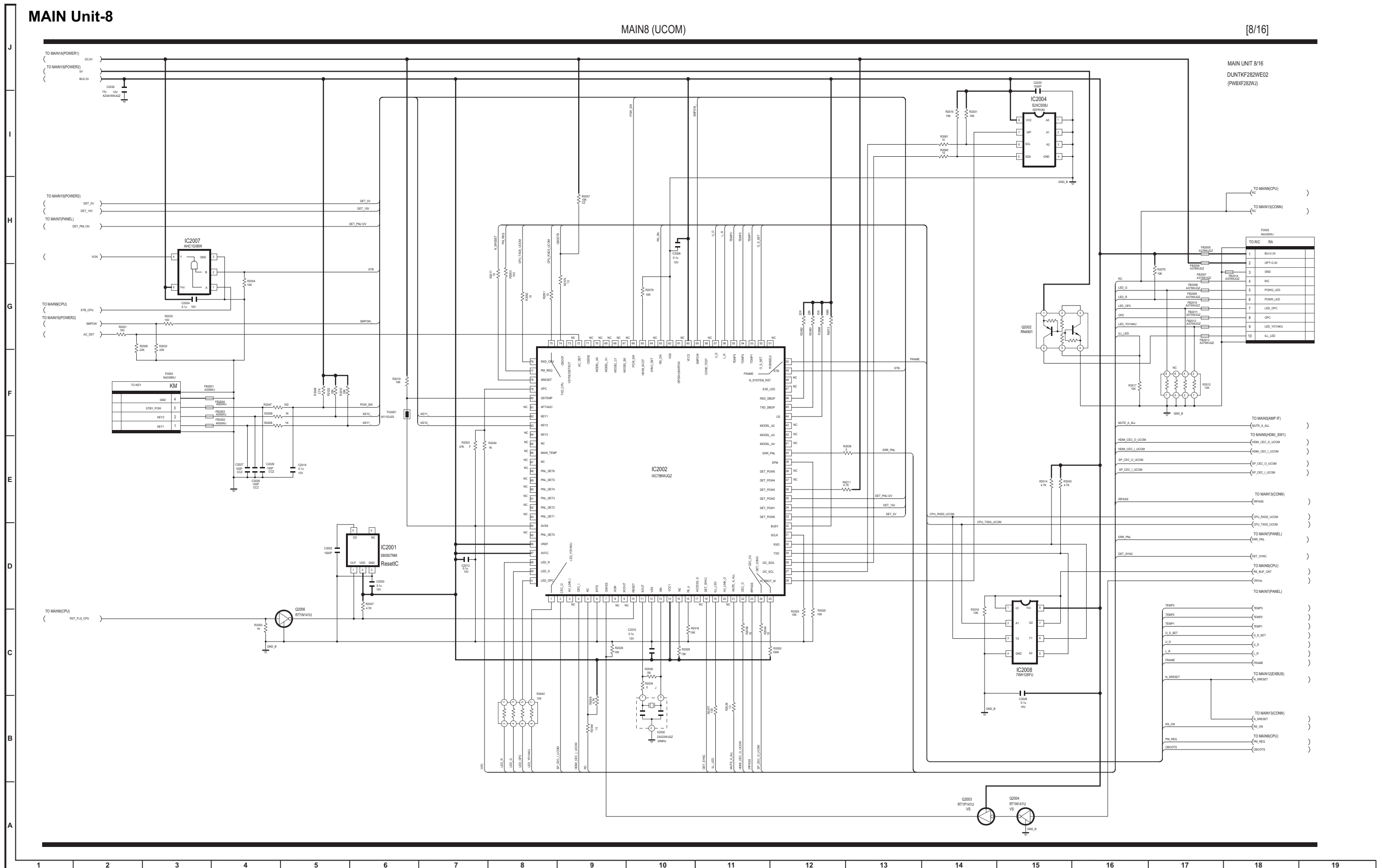
LP		TO LCDCONT
15	DET	<-
14	LCD_EN	->
13	VCOM_SDA	<->
12	VCOM_SCL	<->
11	VCOM_WP	->
10	GSP	<-
9	GCK	<-
8	GND	
7	GND	
6	GND	
5	GND	
4	VCC	
3	VCC	
2	VCC	
1	VCC	



MAIN Unit-8

MAIN8 (UCOM)

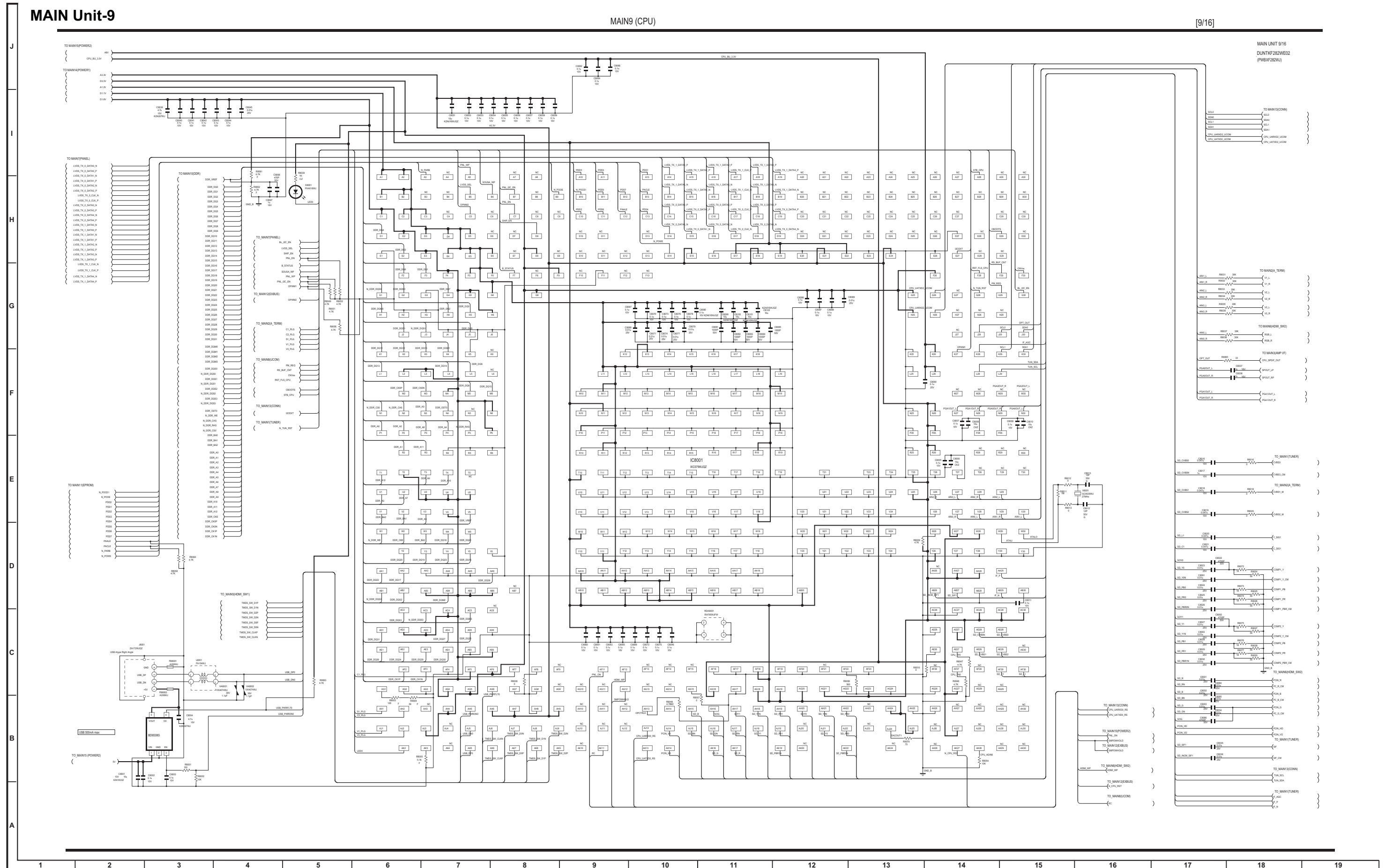
[8/16]



MAIN Unit-9

MAIN9 (CPU)

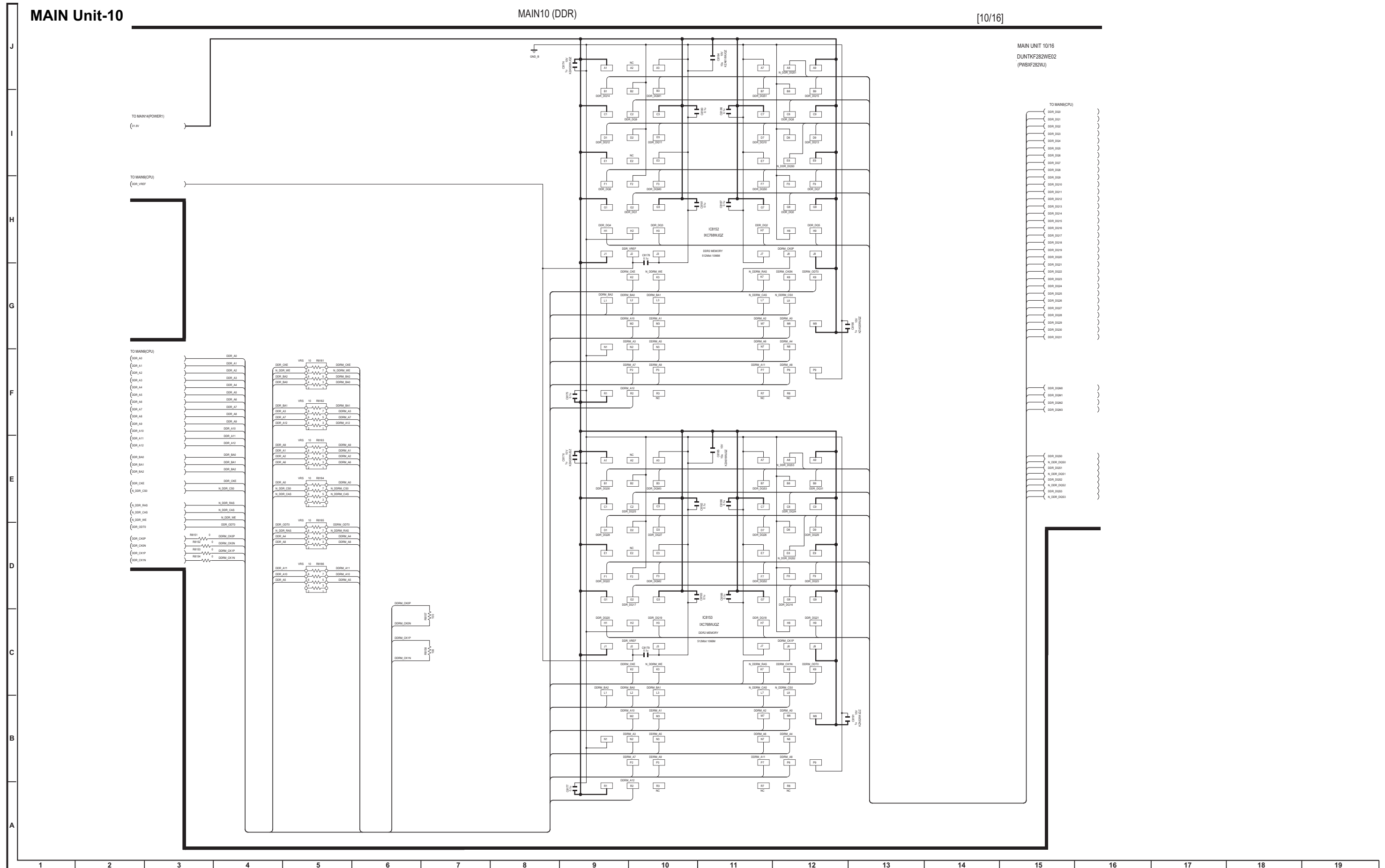
MAIN UNIT 9/16
DUNTKF282WE02
(PWBKF282UN)



MAIN Unit-10

MAIN10 (DDR)

[10/16]



MAIN UNIT 10/16
 DUNTKF282WED2
 (PW8XF282WJ)

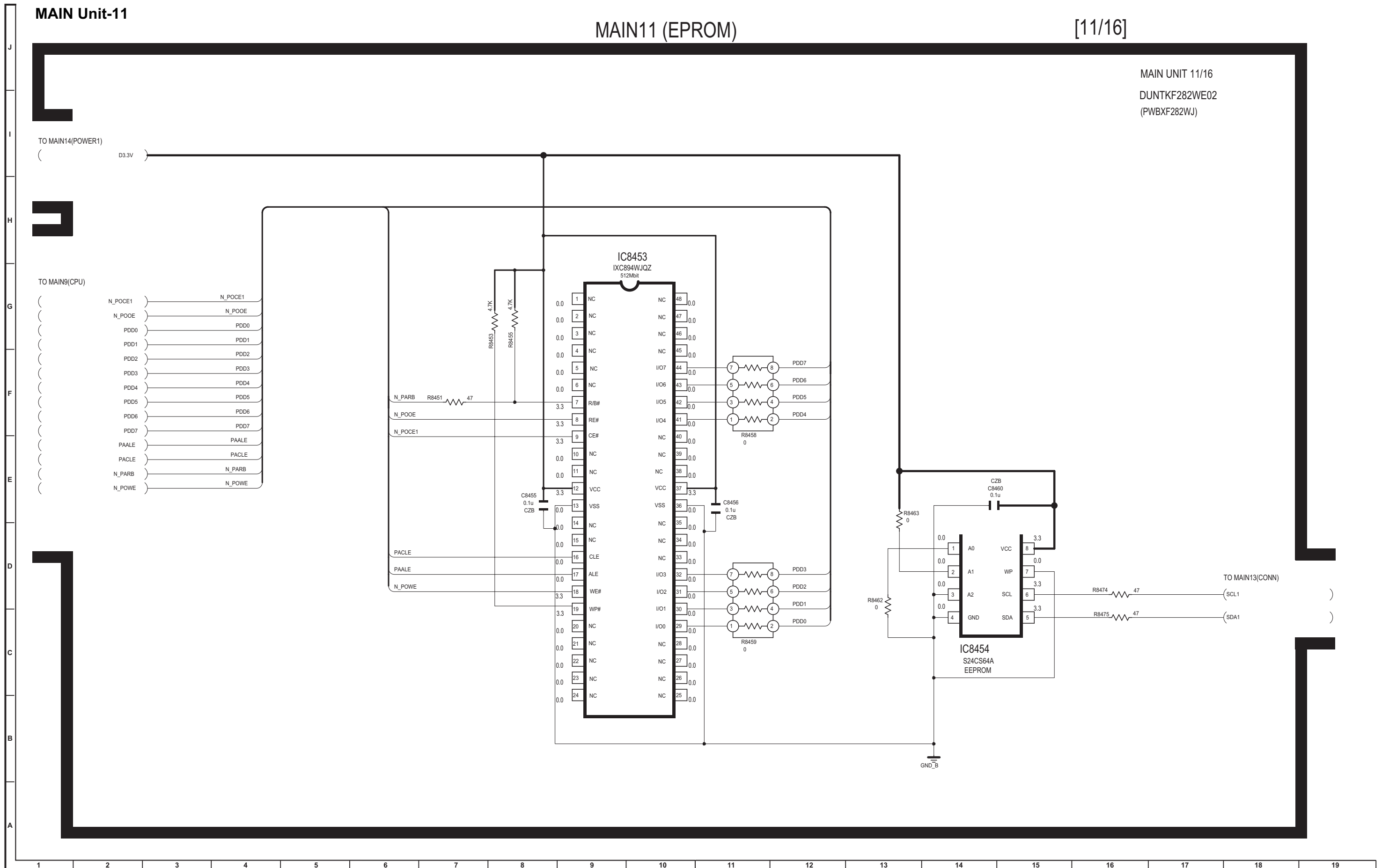
- TO MAIN(CPU)
- DDR_000
- DDR_001
- DDR_002
- DDR_003
- DDR_004
- DDR_005
- DDR_006
- DDR_007
- DDR_008
- DDR_009
- DDR_010
- DDR_011
- DDR_012
- DDR_013
- DDR_014
- DDR_015
- DDR_016
- DDR_017
- DDR_018
- DDR_019
- DDR_020
- DDR_021
- DDR_022
- DDR_023
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- DDR_027
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- DDR_052
- DDR_053
- DDR_054
- DDR_055
- DDR_056
- DDR_057
- DDR_058
- DDR_059
- DDR_060
- DDR_061
- DDR_062
- DDR_063

MAIN Unit-11

MAIN11 (EPROM)

[11/16]

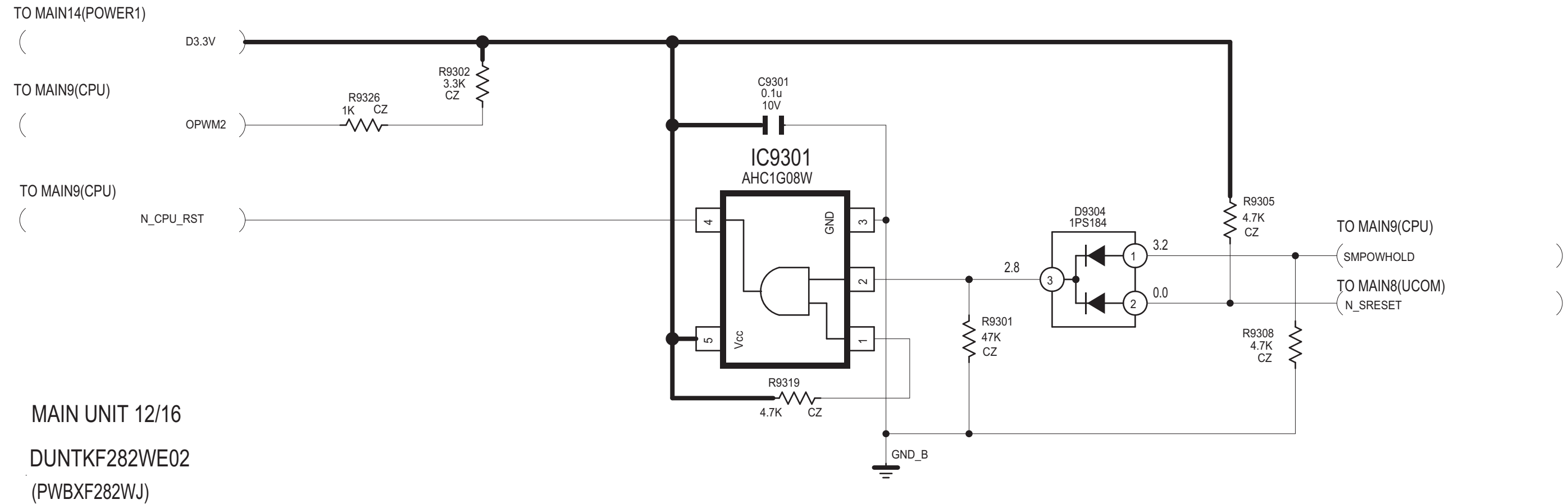
MAIN UNIT 11/16
DUNTKF282WE02
(PWBXF282WJ)



MAIN Unit-12

MAIN12 (EXBUS)

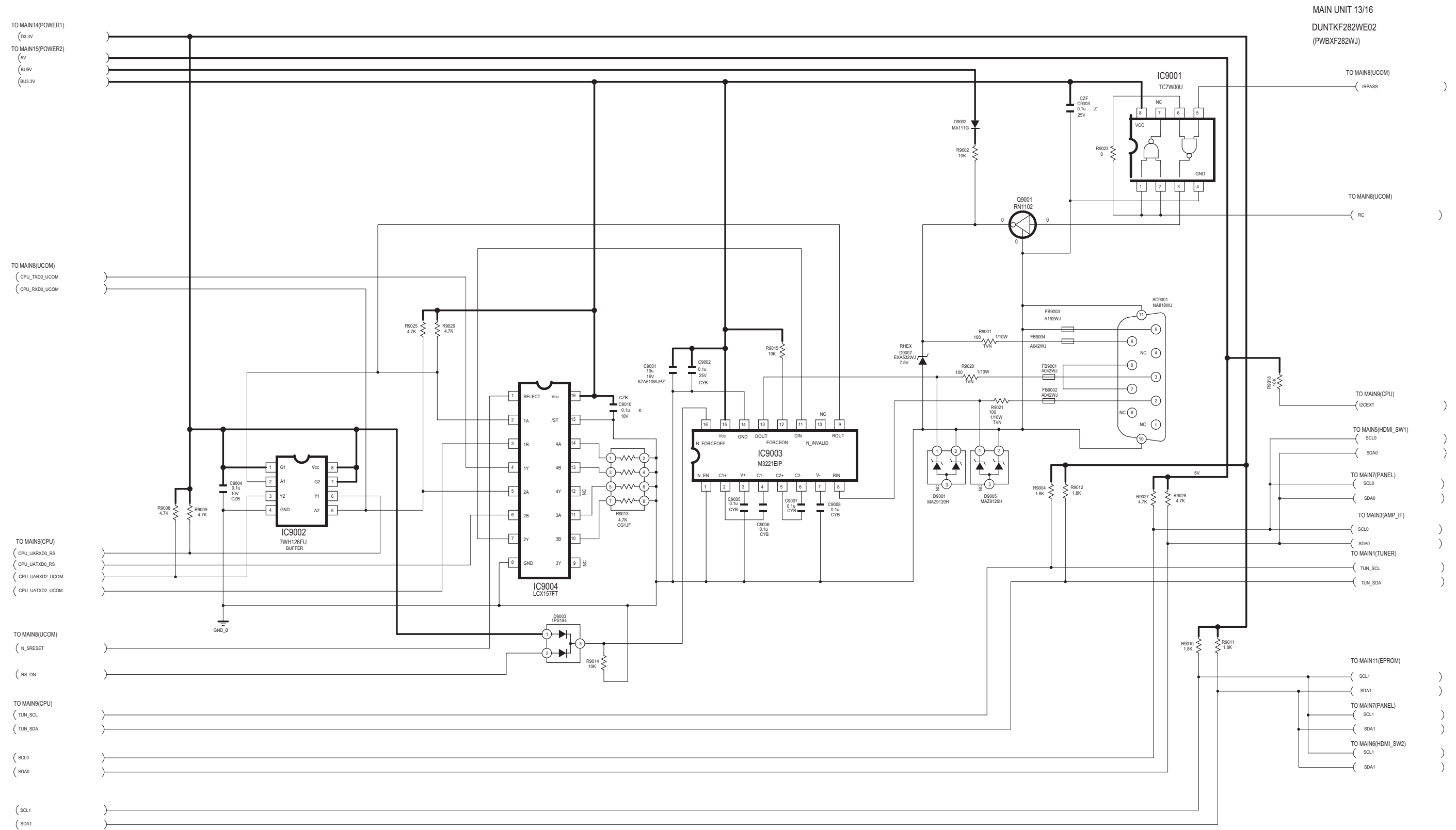
[12/16]



MAIN Unit-13

MAIN13 (CONN)

[13/16]



MAIN UNIT 13/16
DUNTKF282WE02
(PWBXF282WJ)

- TO MAIN8(UCOM) (IRPASS)
- TO MAIN8(UCOM) (RC)
- TO MAIN9(CPU) (ICEXT)
- TO MAIN5(HDMI_SW1) (SCL0)
- TO MAIN5(HDMI_SW1) (SDA0)
- TO MAIN7(PANEL) (SCL0)
- TO MAIN7(PANEL) (SDA0)
- TO MAIN9(AMP_IF) (SCL0)
- TO MAIN9(AMP_IF) (SDA0)
- TO MAIN1(TUNER) (TUN_SCL)
- TO MAIN1(TUNER) (TUN_SDA)
- TO MAIN11(EPROM) (SCL1)
- TO MAIN11(EPROM) (SDA1)
- TO MAIN7(PANEL) (SCL1)
- TO MAIN7(PANEL) (SDA1)
- TO MAIN6(HDMI_SW2) (SCL1)
- TO MAIN6(HDMI_SW2) (SDA1)

MAIN Unit-14

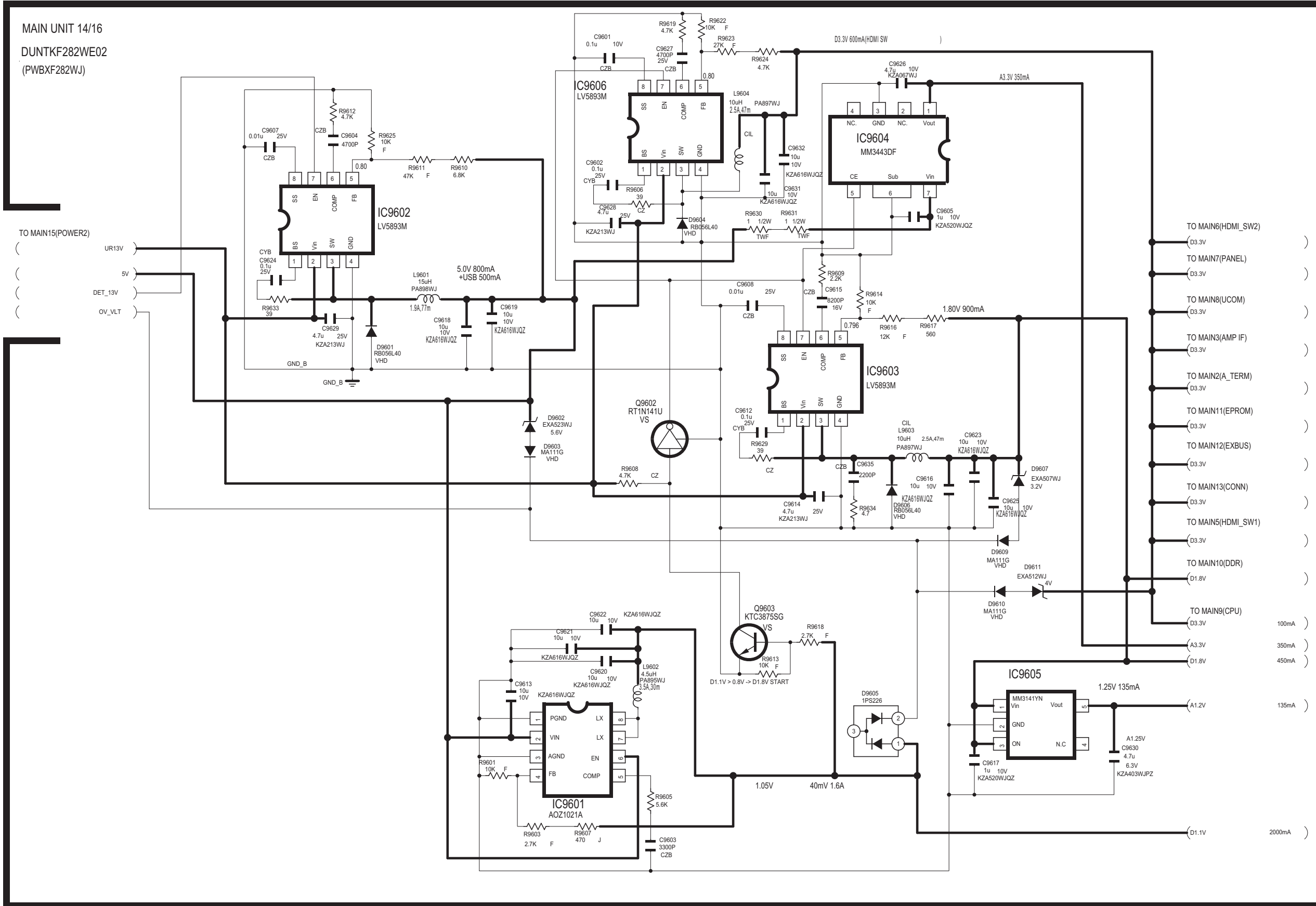
MAIN14 (POWER1)

[14/16]

MAIN UNIT 14/16
DUNTKF282WE02
(PWBXF282WJ)

TO MAIN15(POWER2)

- (UR13V)
- (5V)
- (DET_13V)
- (OV_VLT)

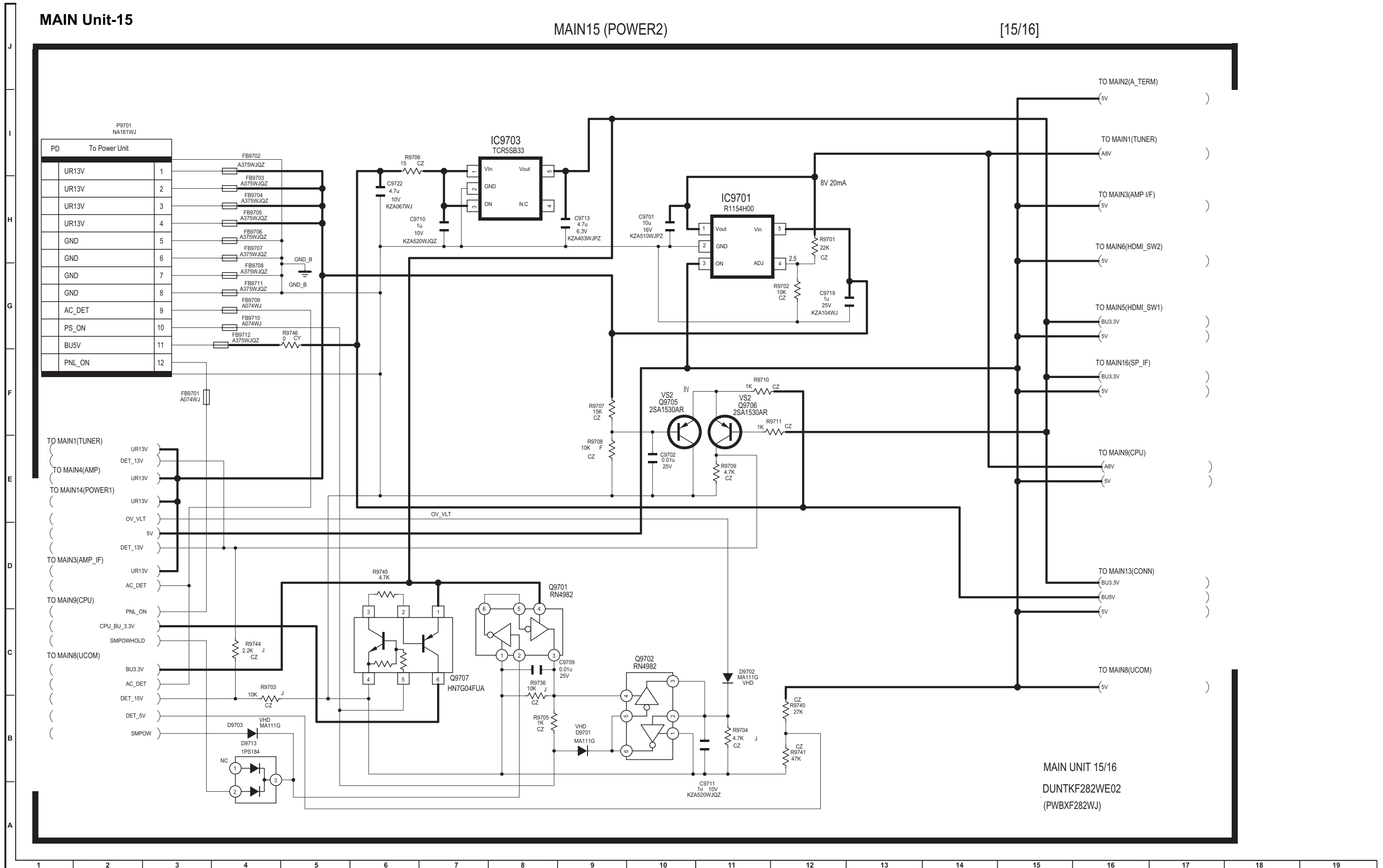


- (D3.3V) TO MAIN6(HDMI_SW2)
- (D3.3V) TO MAIN7(PANEL)
- (D3.3V) TO MAIN8(UCOM)
- (D3.3V) TO MAIN3(AMP IF)
- (D3.3V) TO MAIN2(A_TERM)
- (D3.3V) TO MAIN11(EPROM)
- (D3.3V) TO MAIN12(EXBUS)
- (D3.3V) TO MAIN13(CONN)
- (D3.3V) TO MAIN5(HDMI_SW1)
- (D3.3V) TO MAIN10(DDR)
- (D3.3V) TO MAIN9(CPU) 100mA
- (A3.3V) 350mA
- (D1.8V) 450mA
- (A1.2V) 135mA
- (D1.1V) 200mA

MAIN Unit-15

MAIN15 (POWER2)

[15/16]



MAIN UNIT 15/16
DUNTKF282WE02
(PWBXF282WJ)

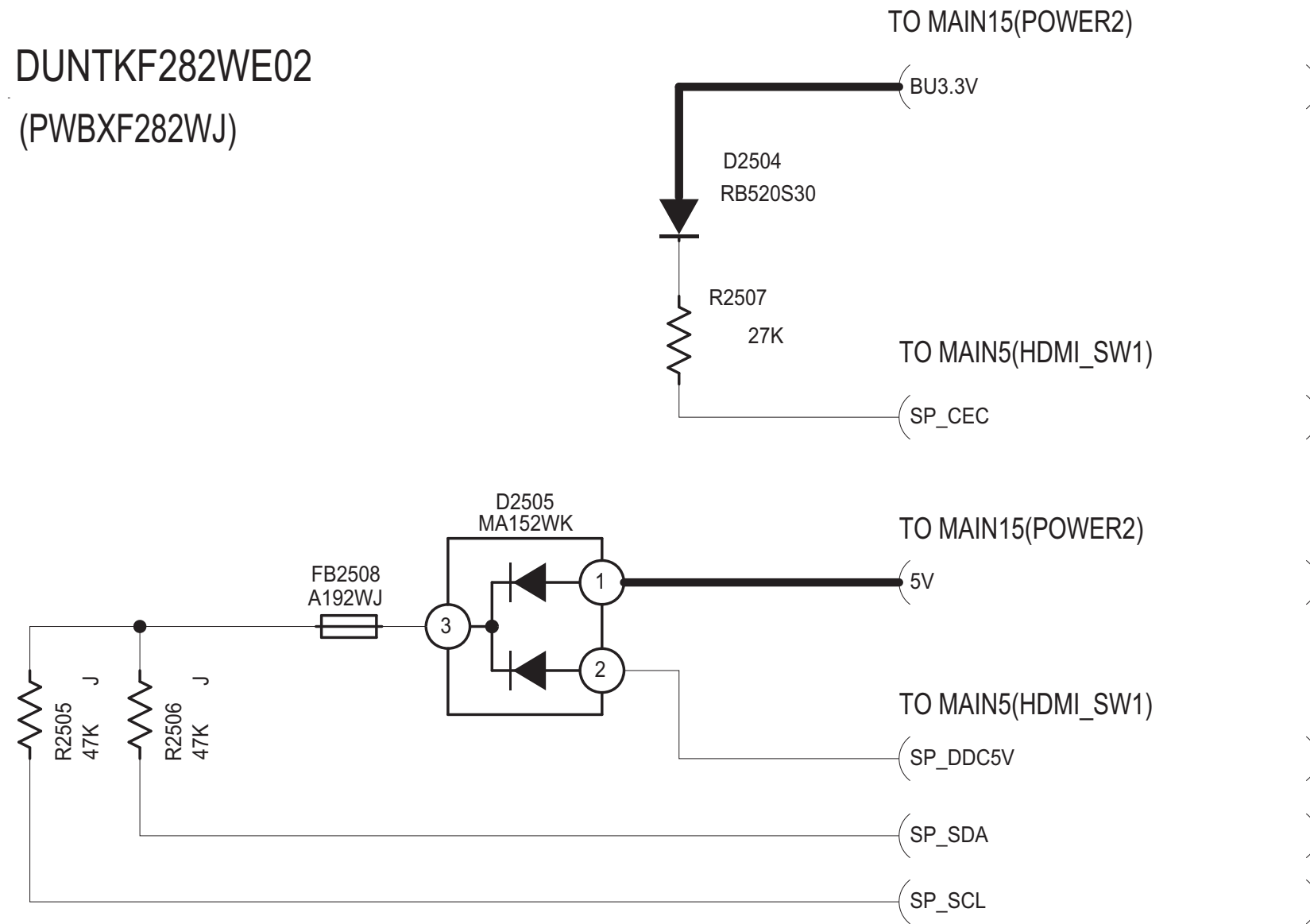
MAIN Unit-16

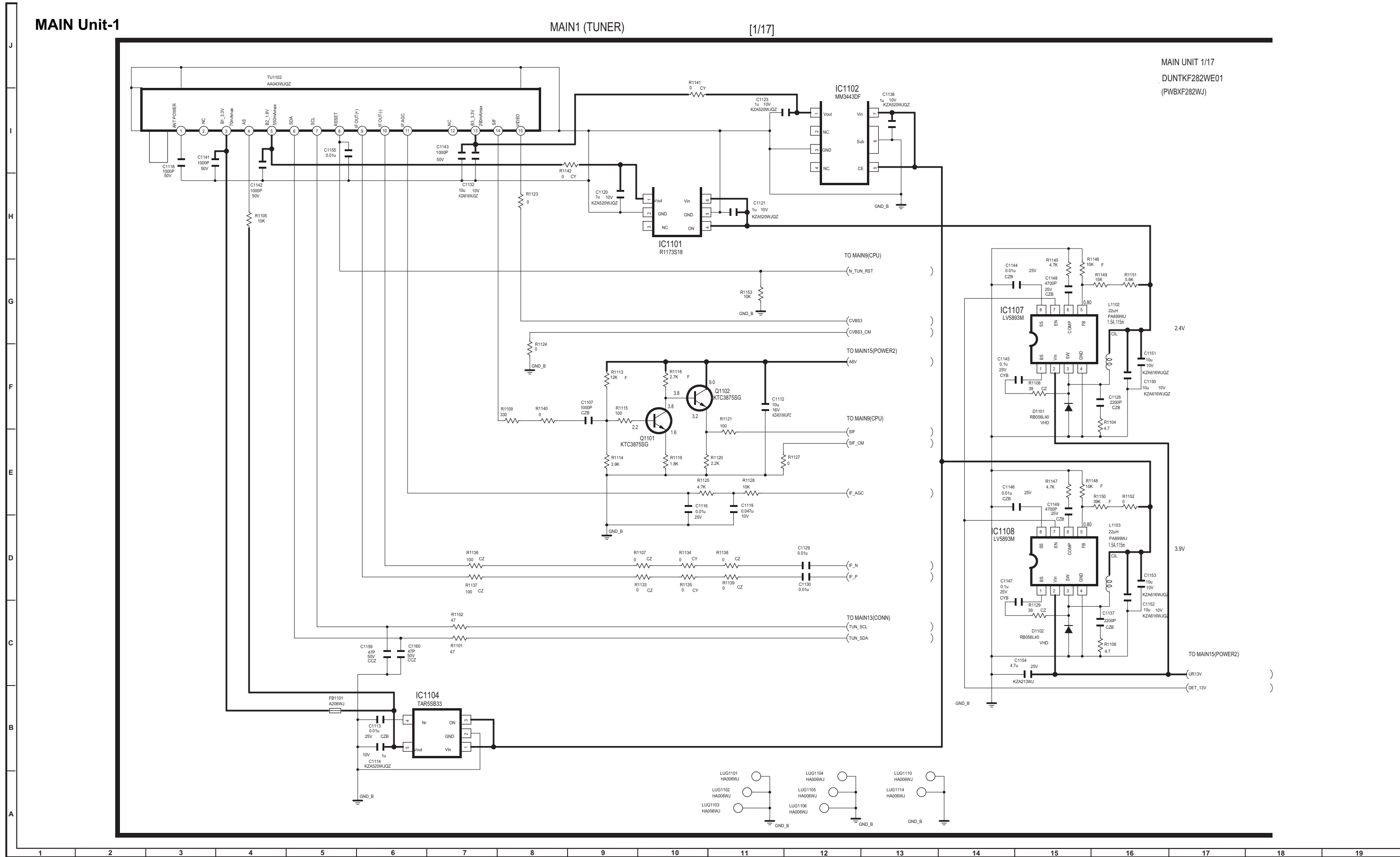
MAIN16 (SP_IF)

[16/16]

MAIN UNIT 16/16

DUNTKF282WE02
(PWBXF282WJ)



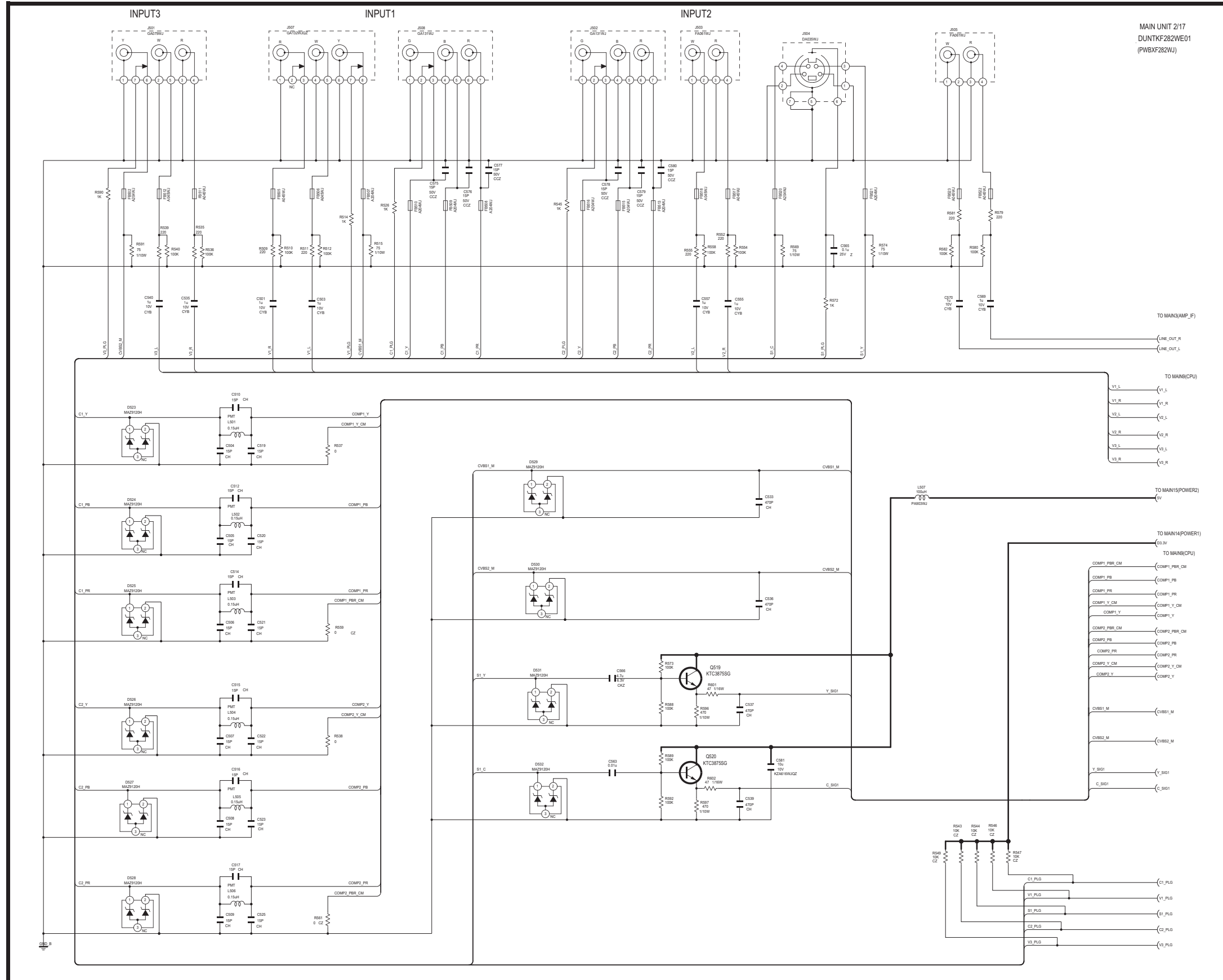


MAIN Unit-2

MAIN2(A_TERM)

[2/17]

MAIN UNIT 2/17
DUNTKF282WE01
(PWBXF282WJ)

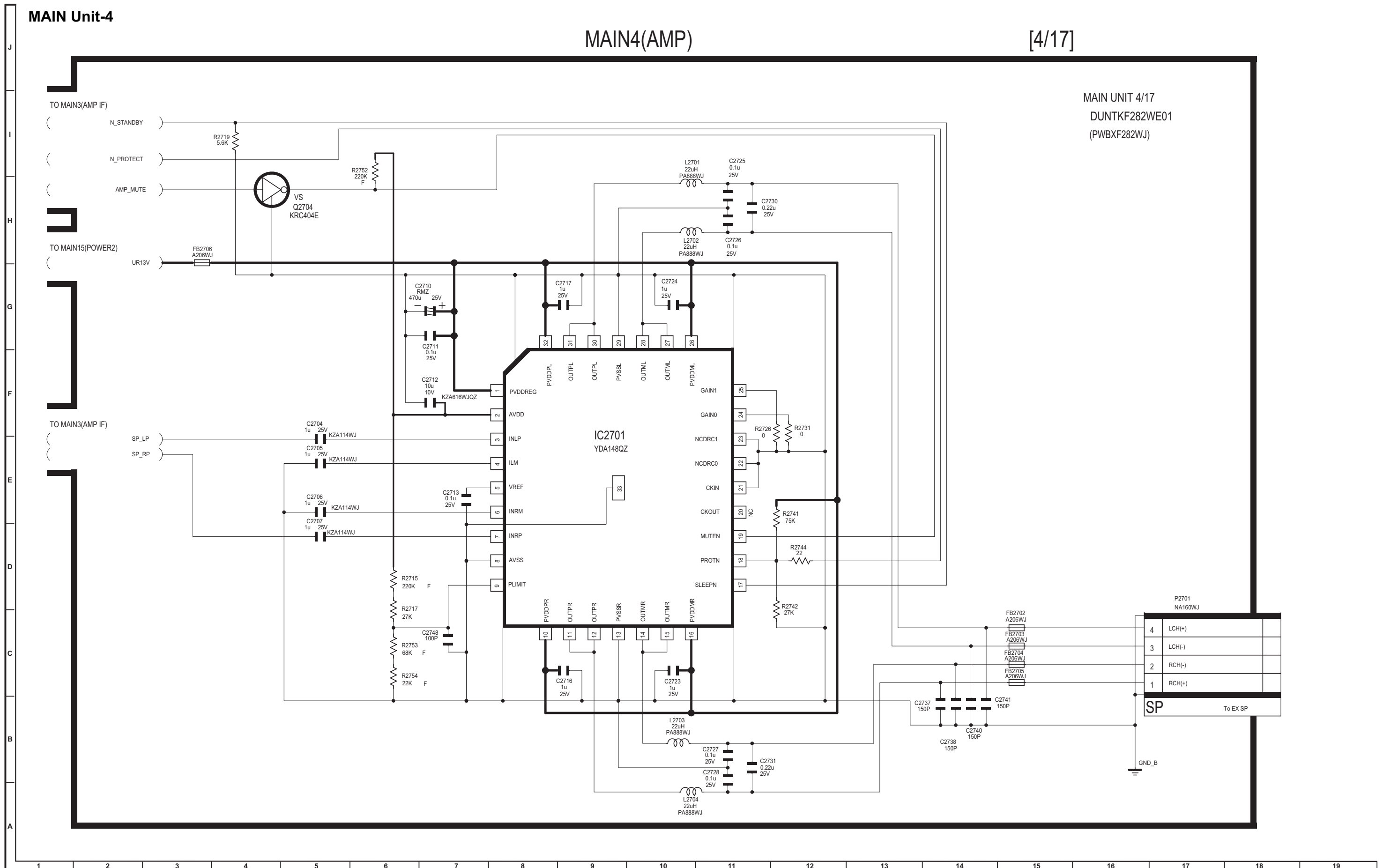


MAIN Unit-4

MAIN4(AMP)

[4/17]

MAIN UNIT 4/17
DUNTKF282WE01
(PWBXF282WJ)

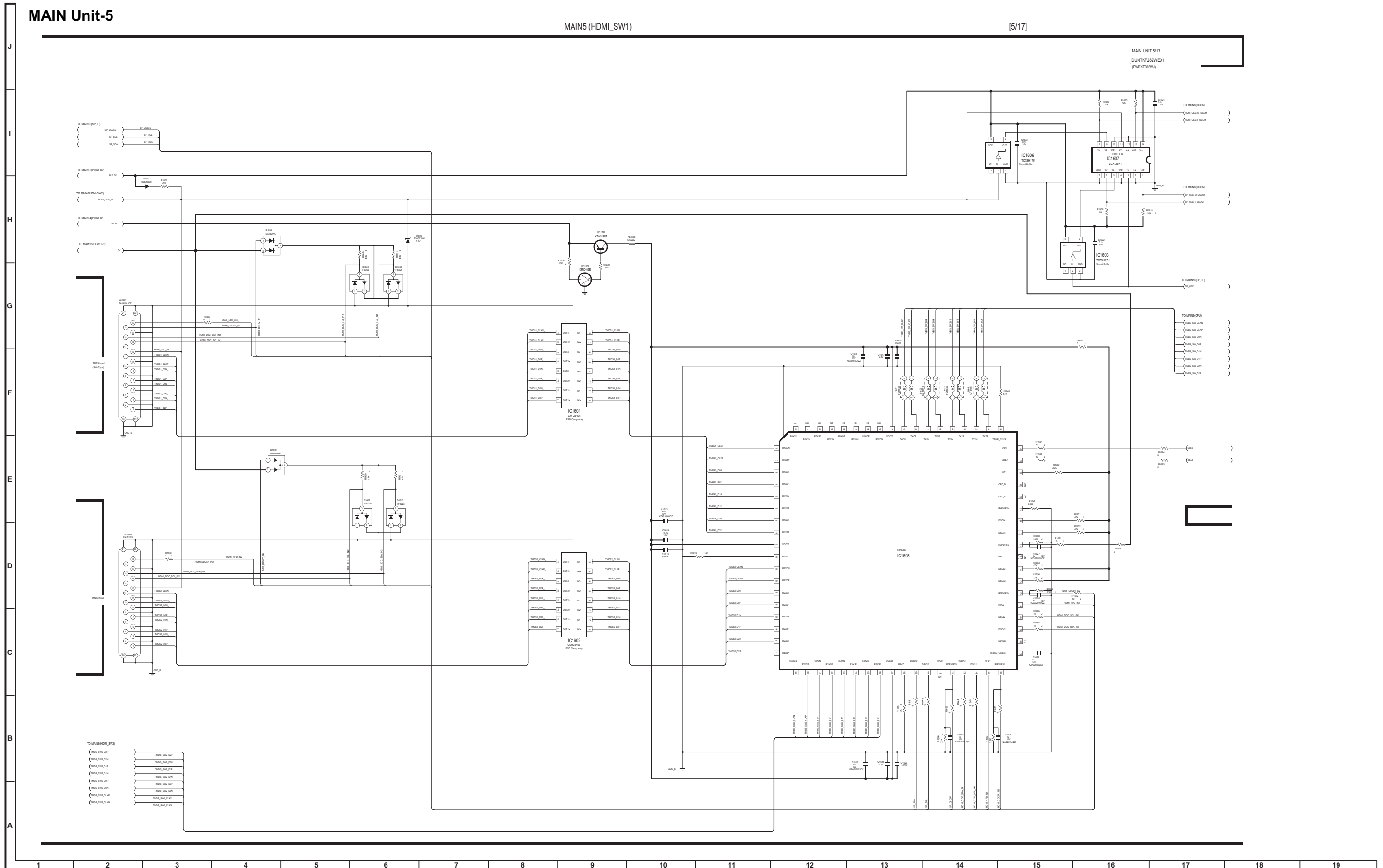


MAIN Unit-5

MAIN5 (HDMI_SW1)

[5/17]

MAIN UNIT 5/17
DUNITKF282WEE1
(PW6XF282WJ)

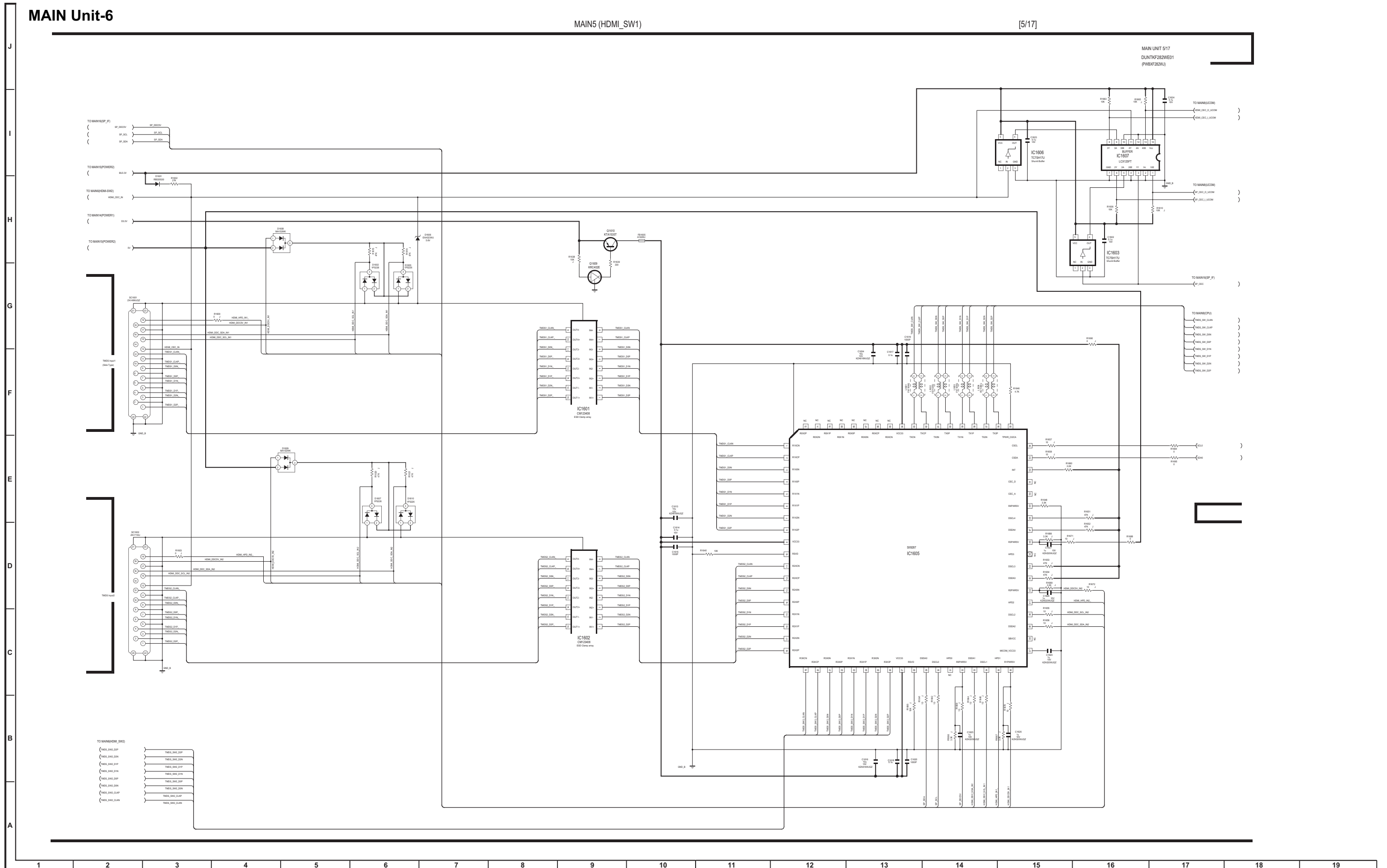


MAIN Unit-6

MAIN5 (HDMI_SW1)

[5/17]

MAIN UNIT 517
DUNTKF282WE01
(PWBXF282W)

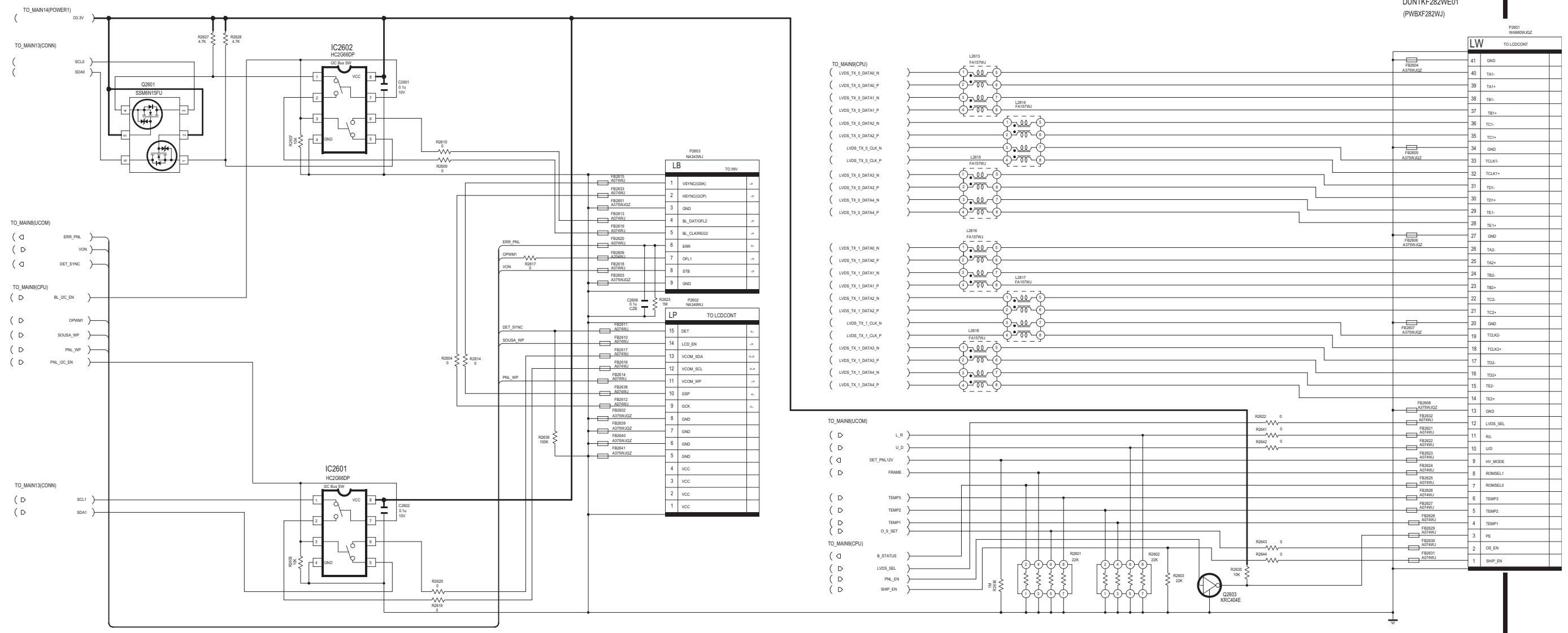


MAIN Unit-7

MAIN7 (PANEL)

[7/17]

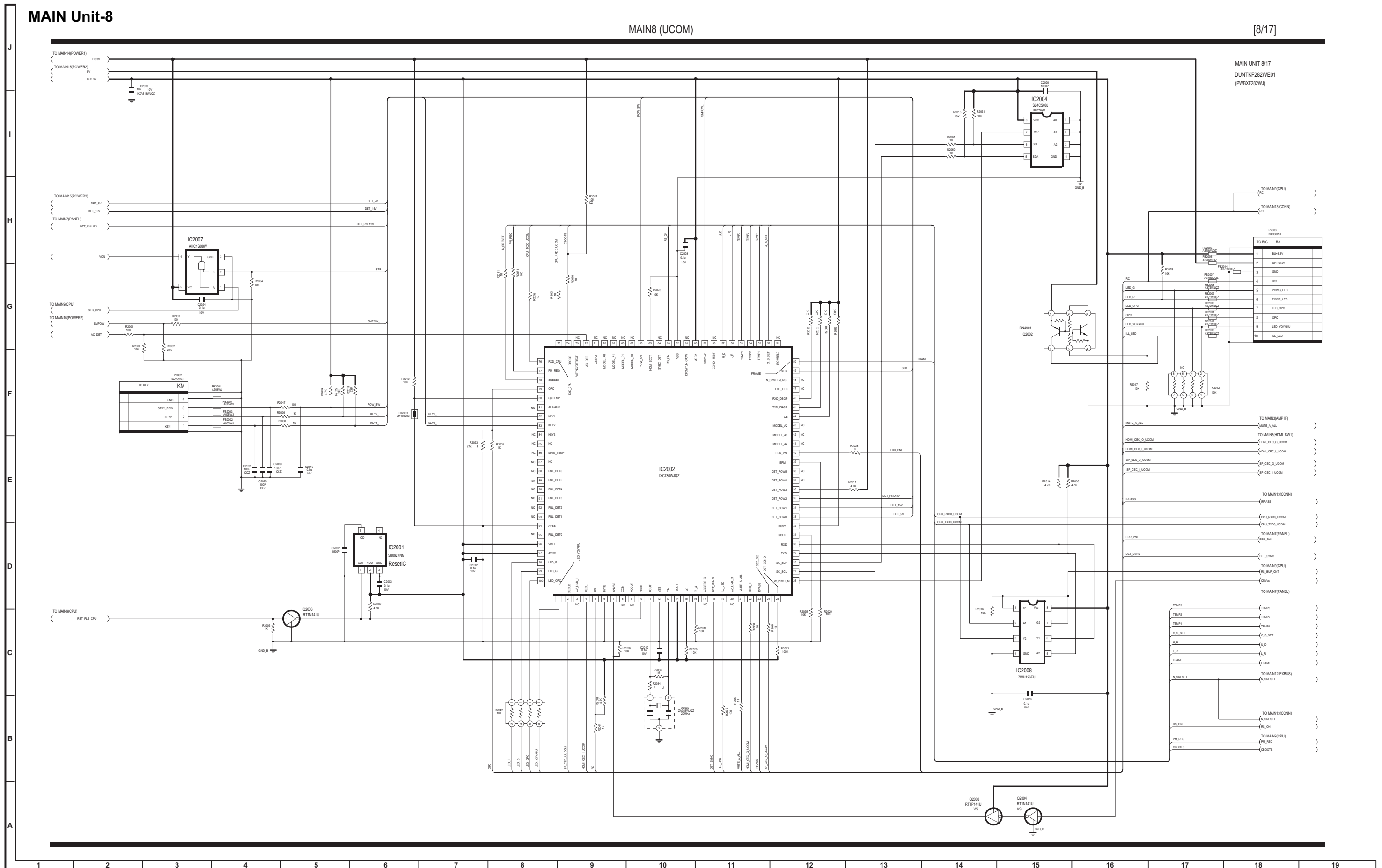
MAIN UNIT 7/17
DUNTKF282WE01
(PWBXF282WJ)



MAIN Unit-8

MAIN8 (UCOM)

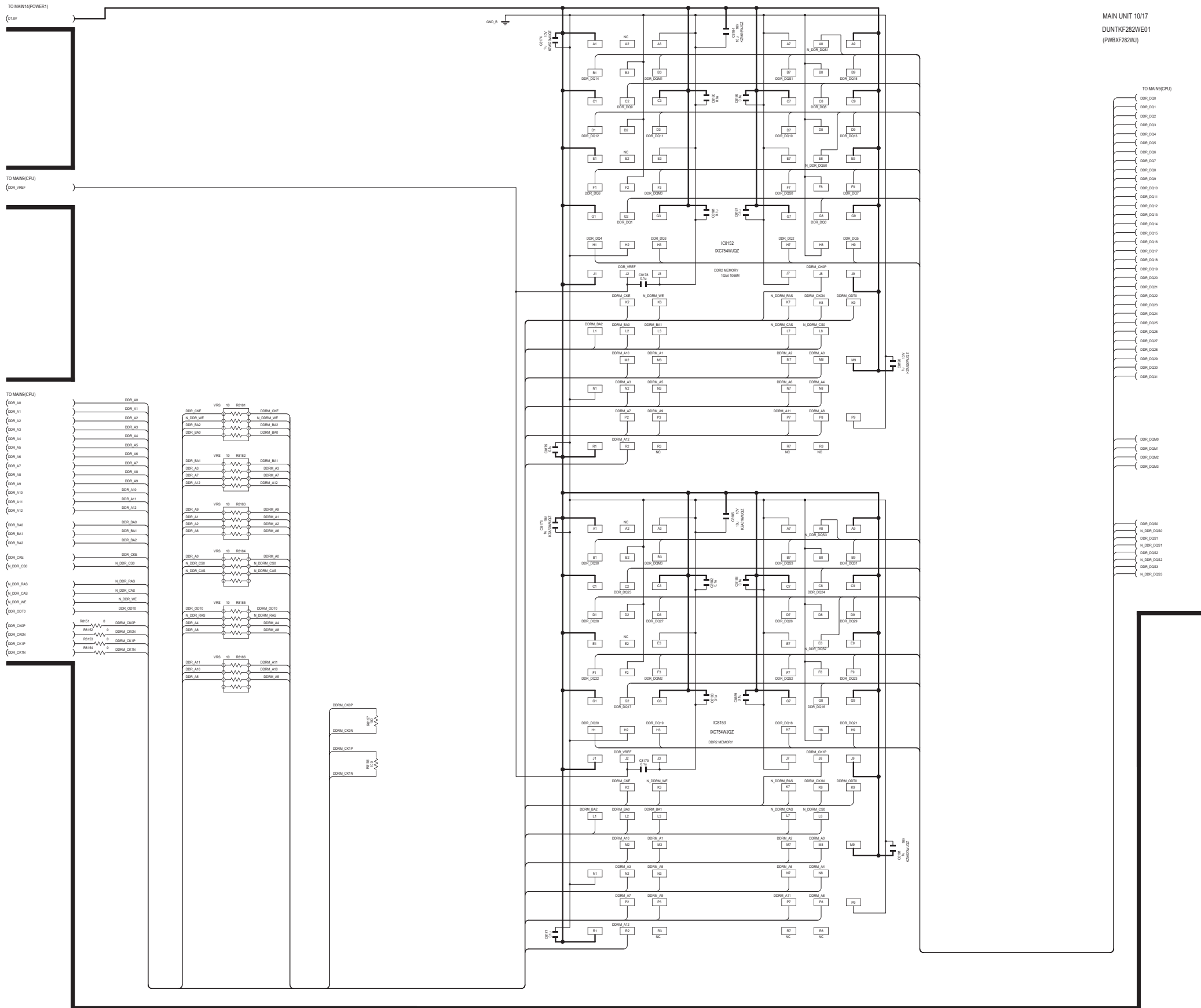
[8/17]



MAIN Unit-10

MAIN10 (DDR)

[10/17]



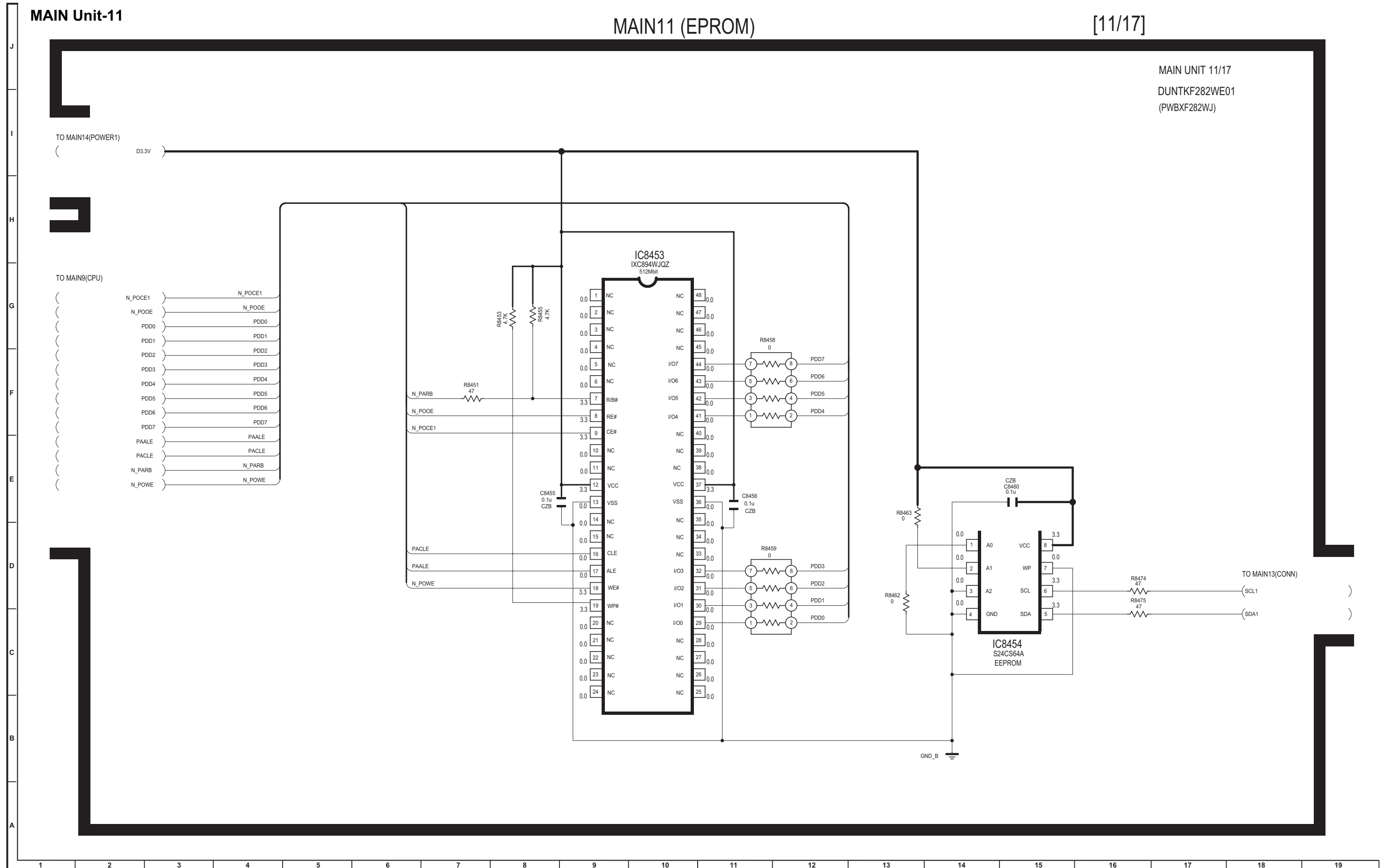
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

MAIN Unit-11

MAIN11 (EPROM)

[11/17]

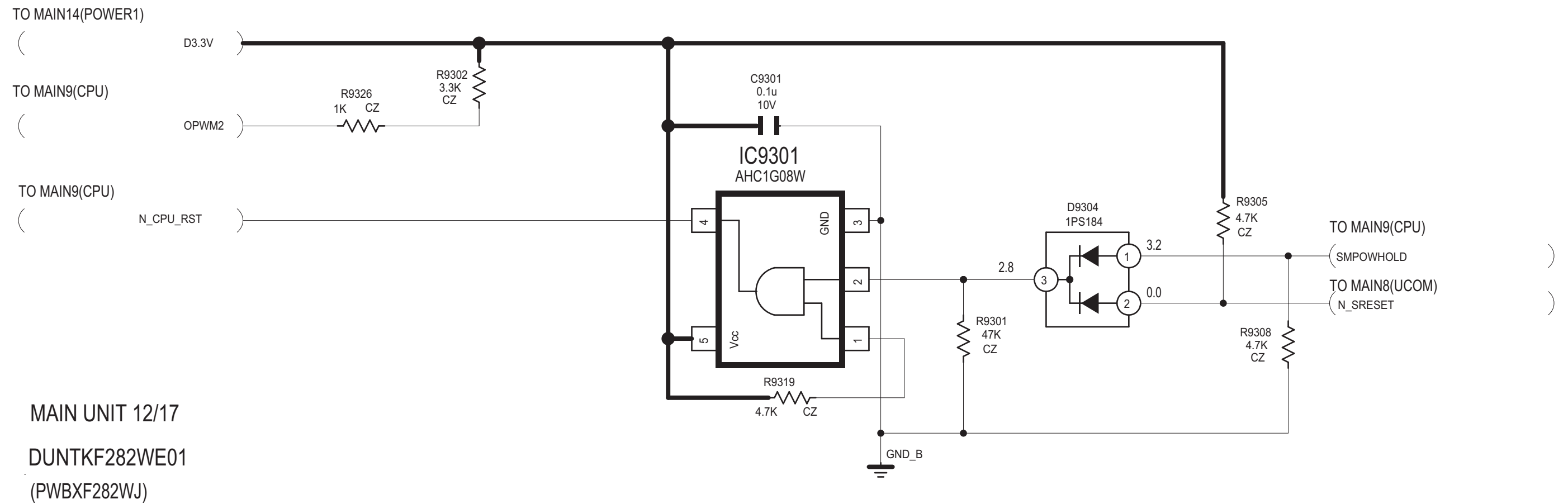
MAIN UNIT 11/17
DUNTKF282WE01
(PWBXF282WJ)



MAIN Unit-12

MAIN12 (EXBUS)

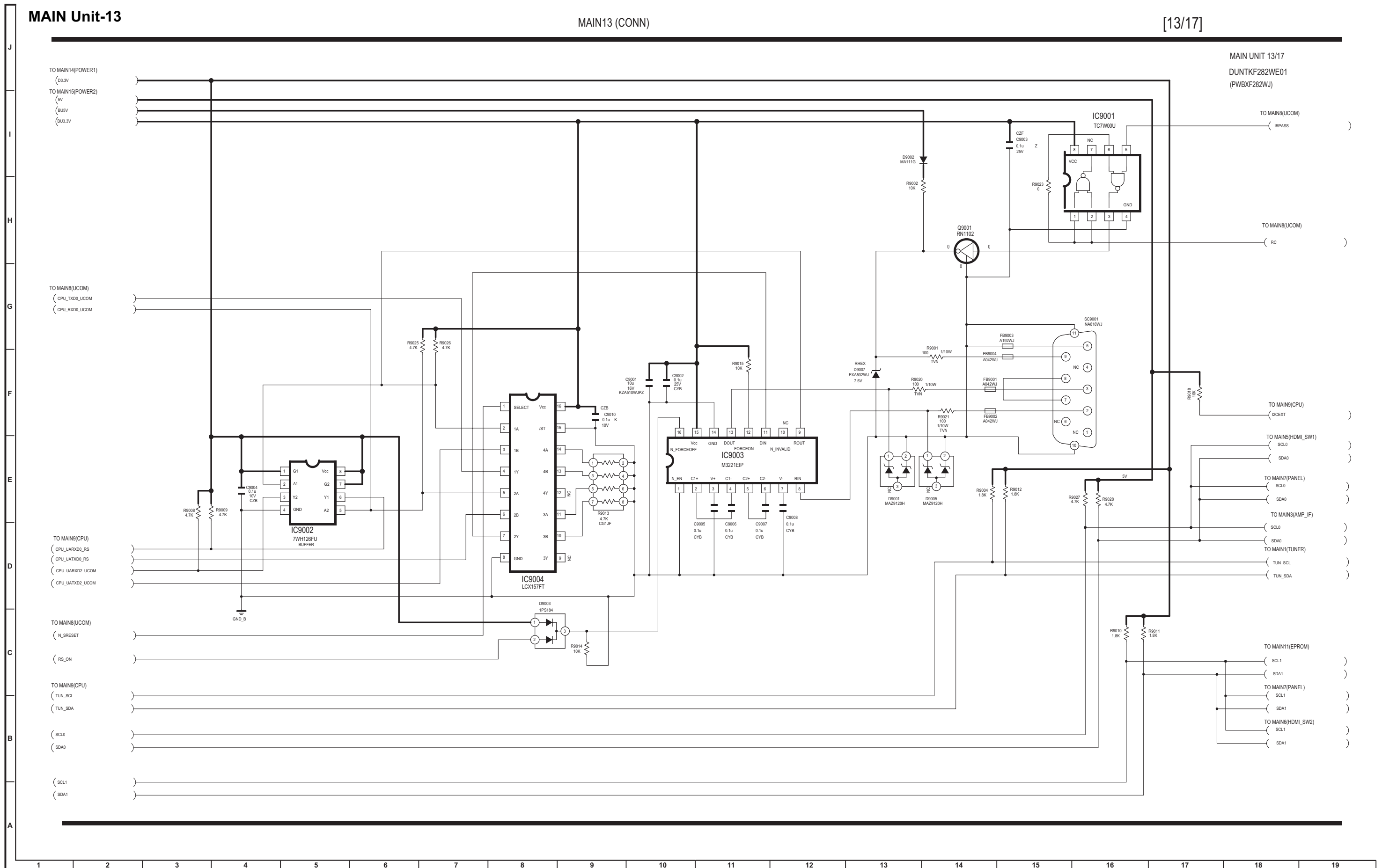
[12/17]



MAIN Unit-13

MAIN13 (CONN)

[13/17]



MAIN Unit-14

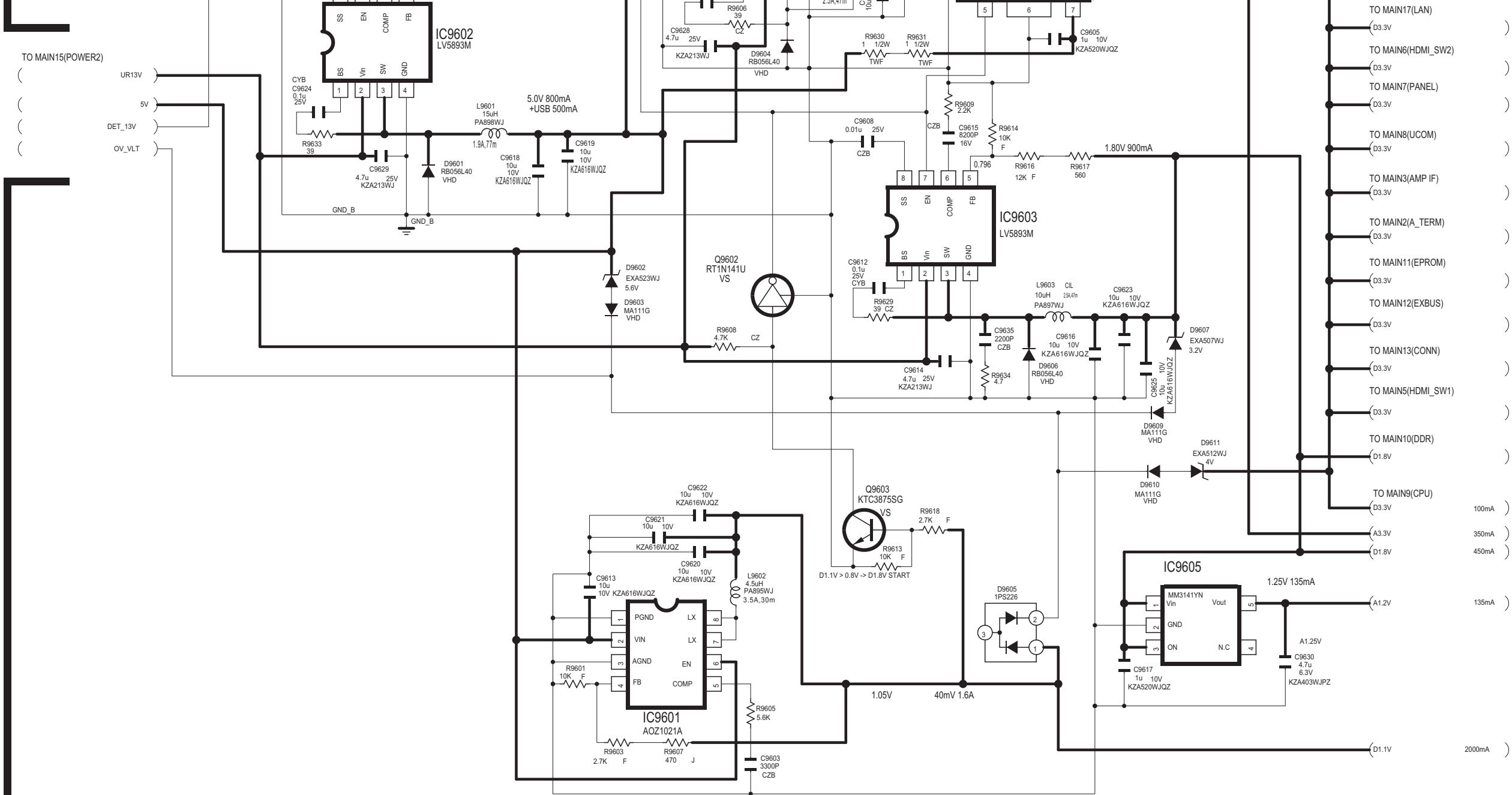
MAIN14 (POWER1)

[14/17]

MAIN UNIT 14/17
DUNTKF282WE01
(PWBXF282WJ)

TO MAIN15(POWER2)

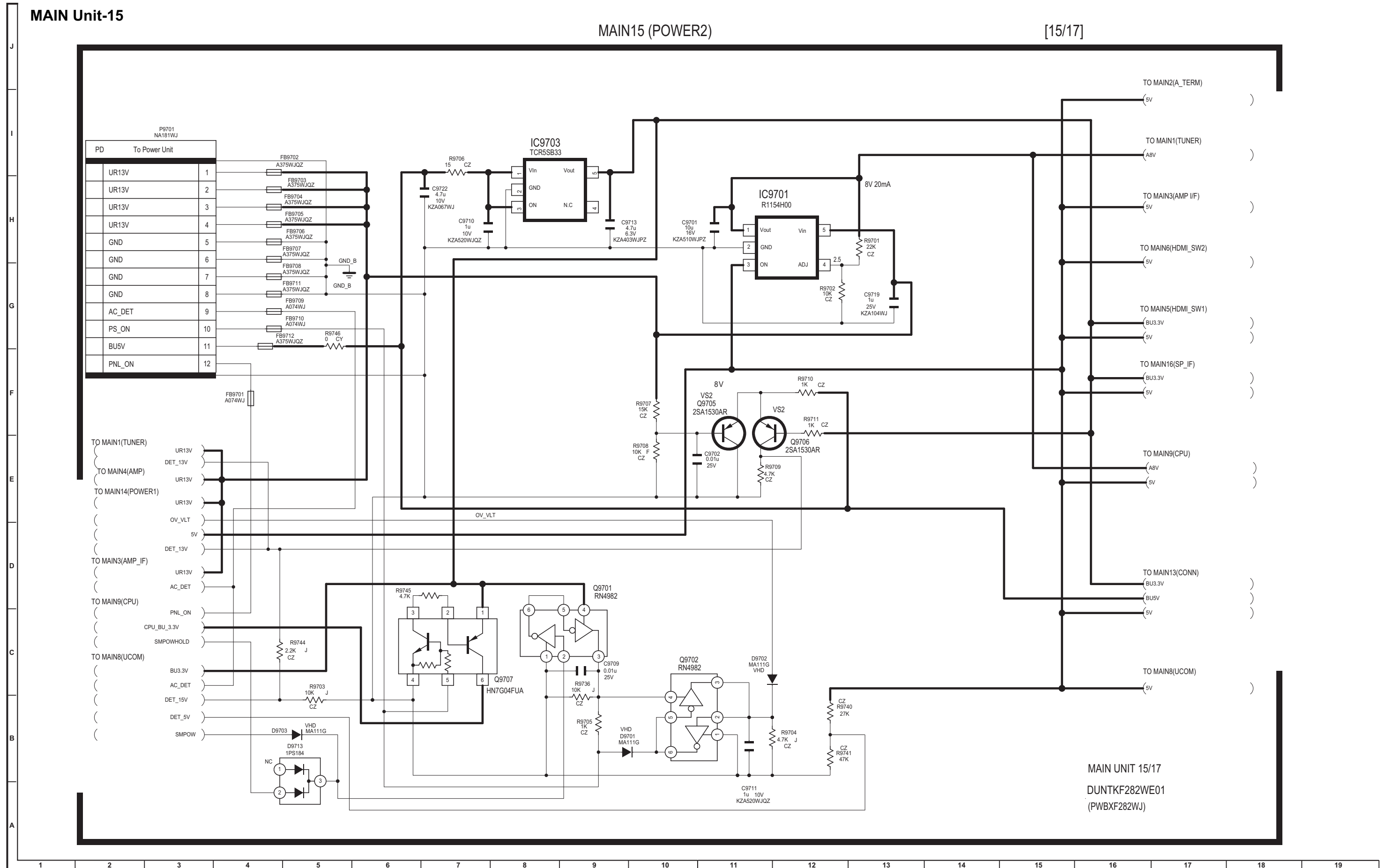
- (UR13V)
- (5V)
- (DET_13V)
- (OV_VLT)



MAIN Unit-15

MAIN15 (POWER2)

[15/17]

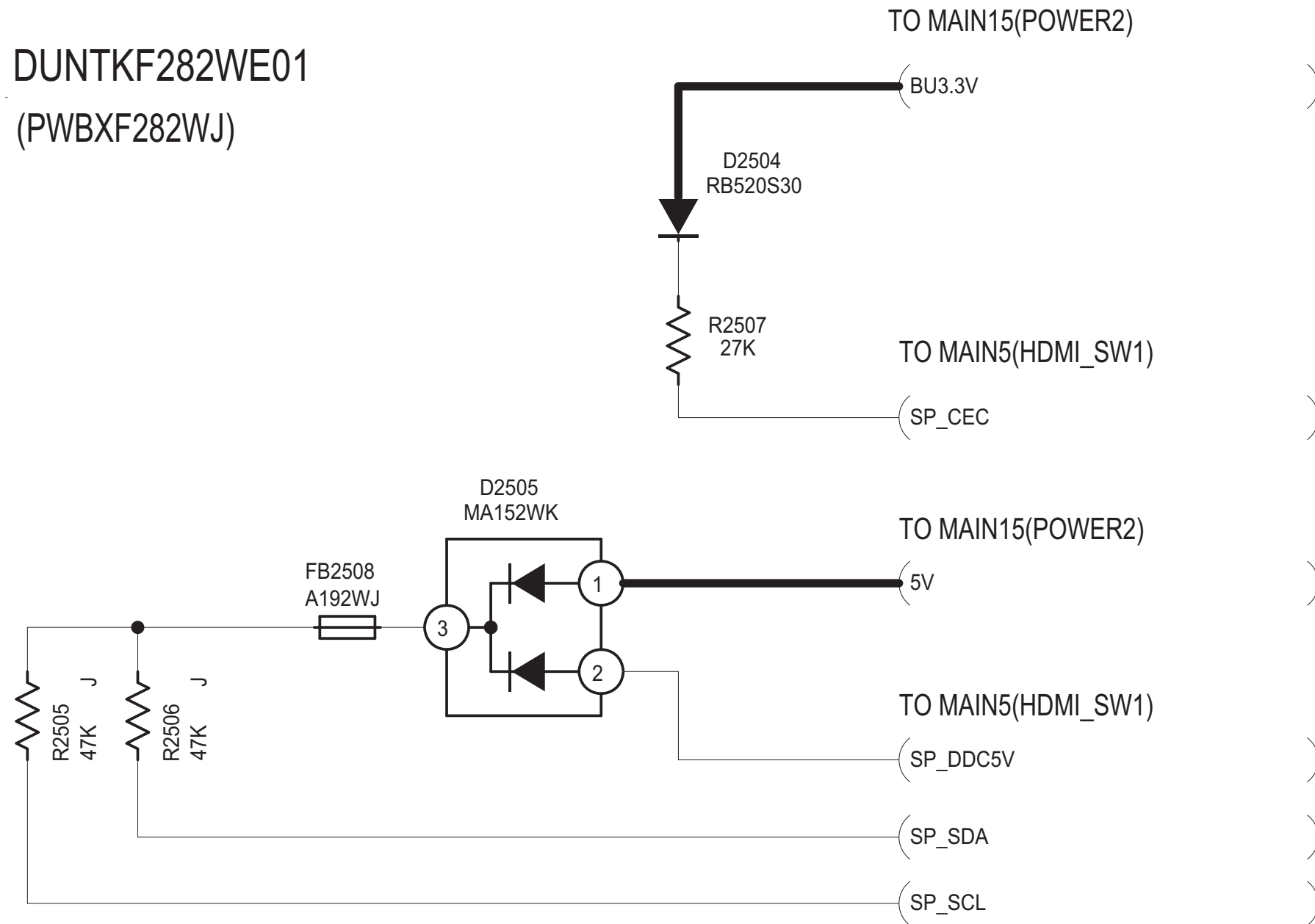


MAIN Unit-16

MAIN16 (SP_IF)

[16/17]

MAIN UNIT 16/17
 DUNTKF282WE01
 (PWBXF282WJ)

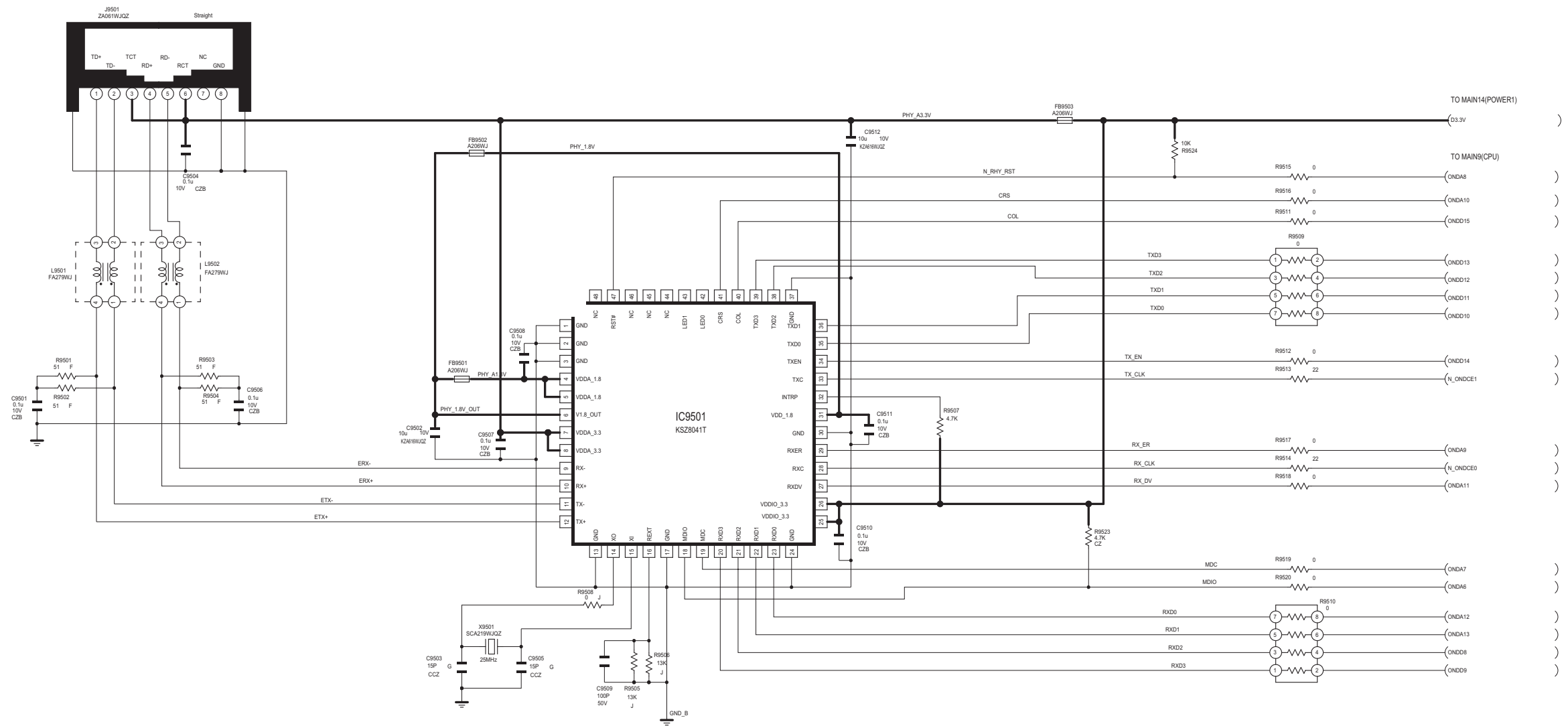


MAIN Unit-17

MAIN17(LAN)

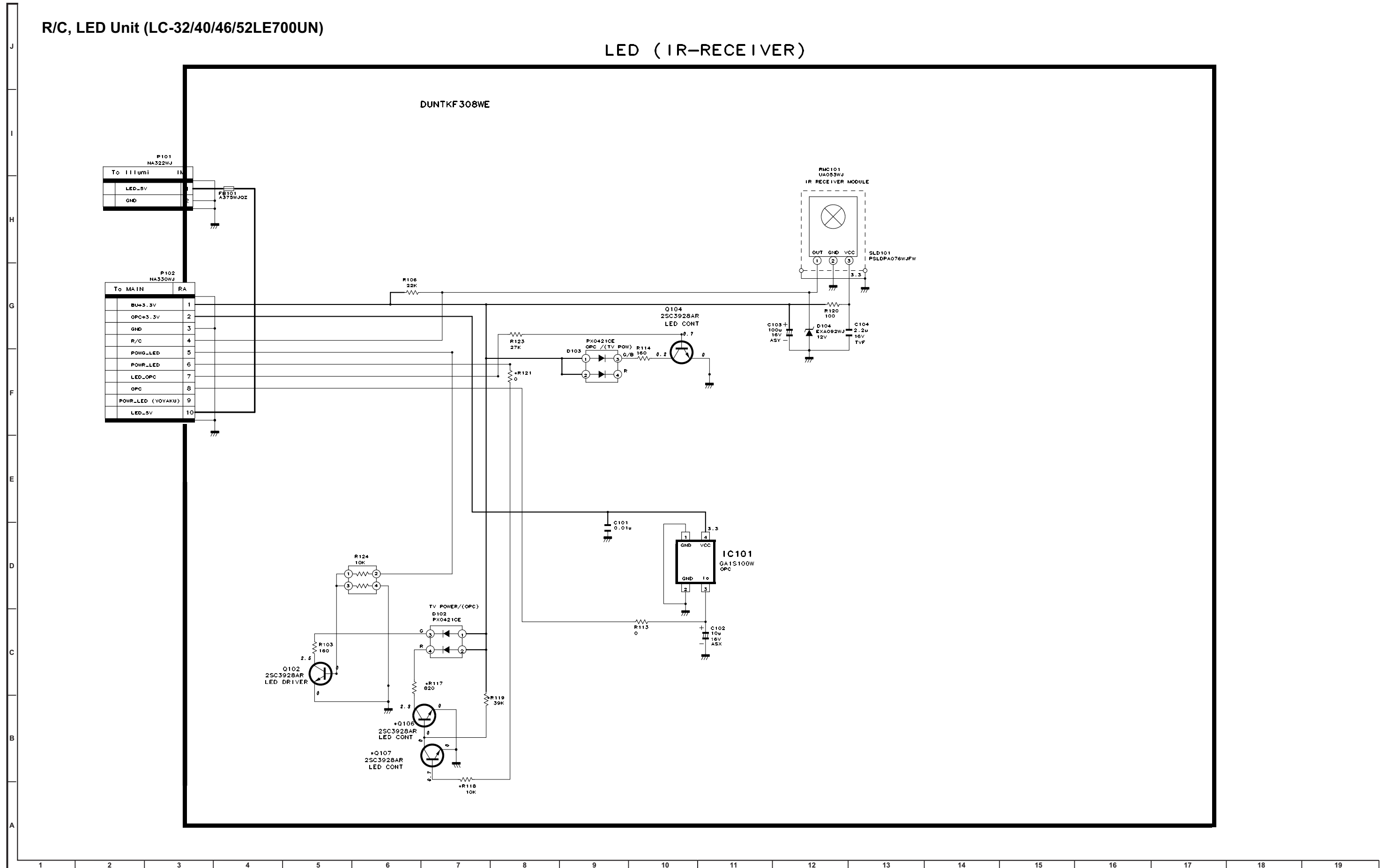
[17/17]

MAIN UNIT 17/17
DUNTKF282WE01
(PWBXF282WJ)



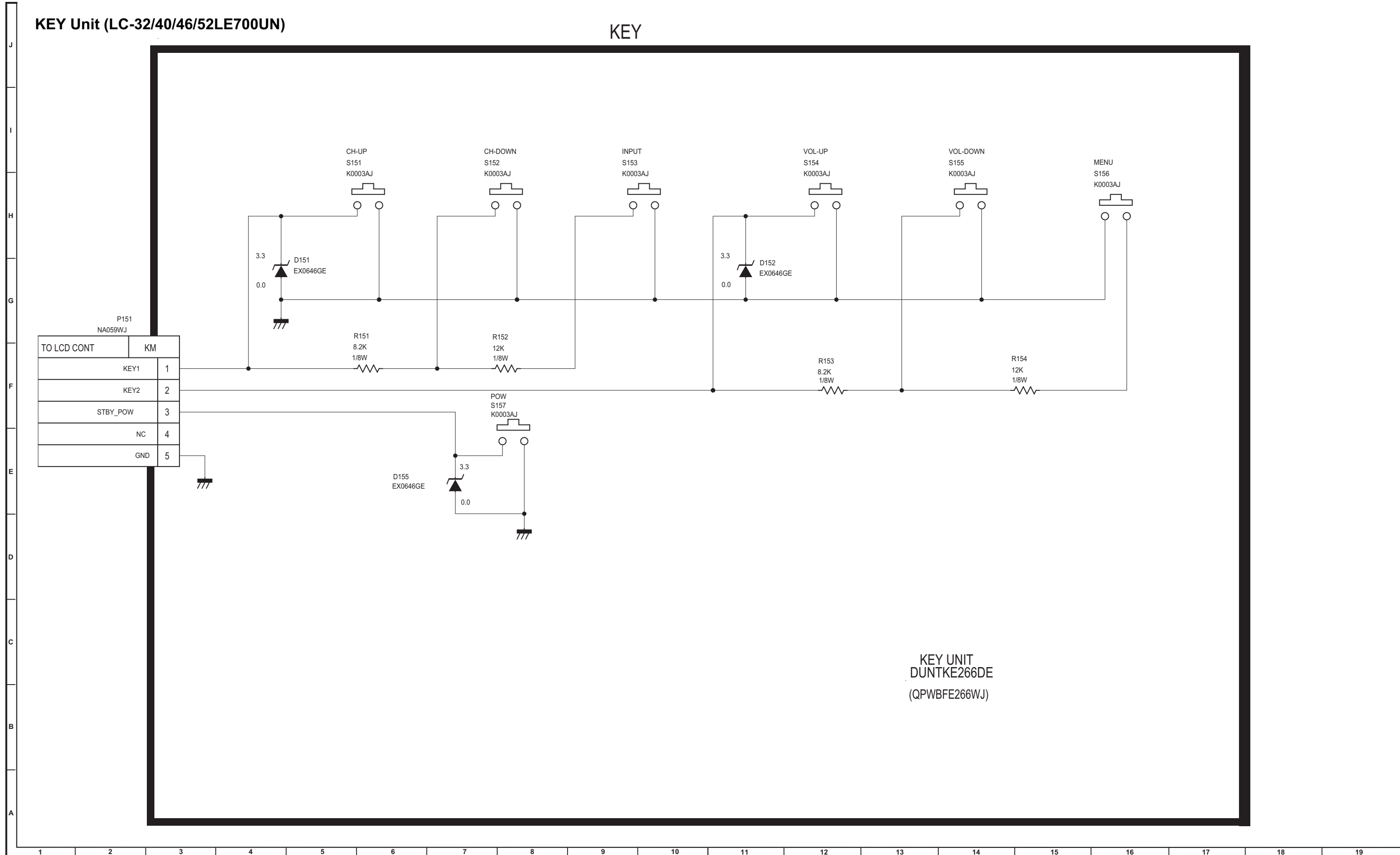
R/C, LED Unit (LC-32/40/46/52LE700UN)

LED (IR-RECEIVER)



KEY Unit (LC-32/40/46/52LE700UN)

KEY

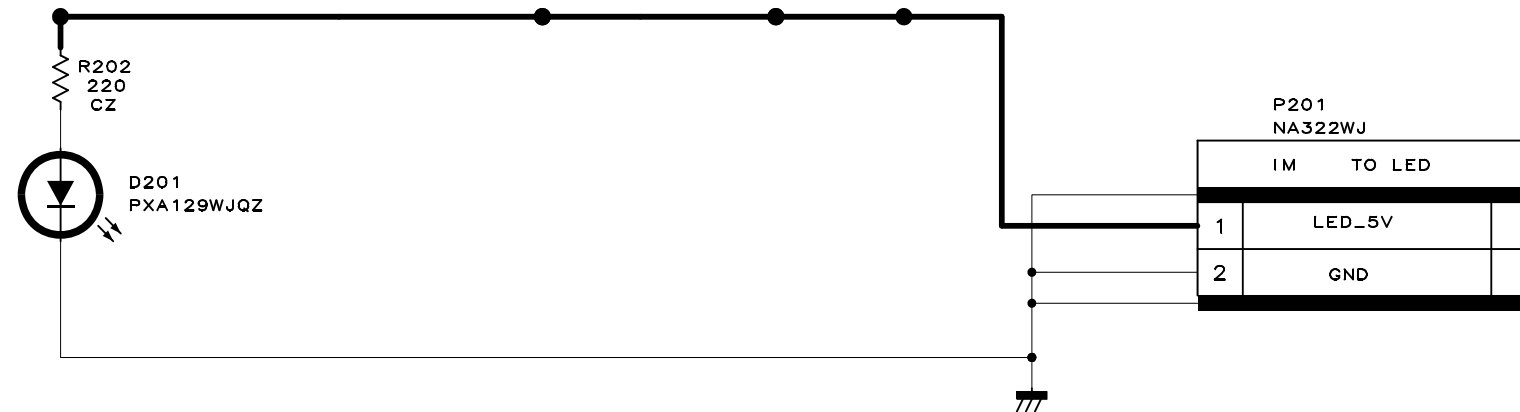


KEY UNIT
DUNTKE266DE
(QPWBF266WJ)

ICON Unit (LC-32/40/46/52LE700UN)

ICON PWB

ICON PWB UNIT
 DUNTKF314****
 (PWBNF314WJ)



P201 NA322WJ	
IM	TO LED
1	LED_5V
2	GND

J
I
H
G
F
E
D
C
B
A

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

SHARP PARTS GUIDE

No. S79B2LC32L70U



LCD COLOR TELEVISION

LC-32LE700UN

LC-40LE700UN

LC-46LE700UN

MODELS LC-52LE700UN

Note:

The reference numbers on the PWB are arranged in alphabetical order.

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| [1] PRINTED WIRING BOARD ASSEMBLIES | [11] CABINET PARTS (LC-46LE700UN) |
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| [3] DUNTKF282FM01/02 (MAIN Unit) | [13] CABINET PARTS (LC-52LE700UN) |
| [4] DUNTKE266FM02 (KEY Unit) | [14] LCD PANEL MODULE (LC-52LE700UN) |
| [5] DUNTKF308FM01 (R/C, LED Unit) | [15] SUPPLIED ACCESSORIES |
| [6] DUNTKF314FM01 (ICON Unit) | [16] PACKING PARTS (LC-32/40LE700UN) (NOT REPLACEMENT ITEM) |
| [7] CABINET PARTS (LC-32LE700UN) | [17] PACKING PARTS (LC-46/52LE700UN) (NOT REPLACEMENT ITEM) |
| [8] LCD PANEL MODULE (LC-32LE700UN) | [18] SERVICE JIGS (USE FOR SERVICING) |
| [9] CABINET PARTS (LC-40LE700UN) | |
| [10] LCD PANEL MODULE (LC-40LE700UN) | |

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.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] PRINTED WIRING BOARD ASSEMBLIES					
N	RUNTK4225TPZA	CS	N	X	LCD Control Unit
N	DUNTKF282FM02	CB	N	X	MAIN Unit (DUNTKF282FM02S) (LC-32LE700UN)
N	DUNTKF282FM01	CC	N	X	MAIN Unit (DUNTKF282FM01S) (LC-40/46/52LE700UN)
N	DUNTKF266FM02	AH	N	X	KEY Unit
N	DUNTKF308FM01	AN	N	X	R/C, LED Unit
N	DUNTKF314FM01	AF	N	X	ICON Unit
N	RUNTKA621WJQZ	BS	N	X	POWER Unit (LC-32LE700UN)
N	RUNTKA622WJQZ	BY	N	X	POWER Unit (LC-40LE700UN)
N	RUNTKA604WJQZ	CB	N	X	POWER Unit (LC-46/52LE700UN)
N	RUNTKA595WJ01	AX	N	X	LED5-PWB1 Unit (LC-32/40/46LE700UN)
N	RUNTKA595WJ02	AX	N	X	LED5-PWB2 Unit (LC-32/40/46LE700UN)
N	RUNTKA596WJ01	AY	N	X	LED6-PWB1 Unit (LC-40/46/52LE700UN)
N	RUNTKA596WJ02	AY	N	X	LED6-PWB2 Unit (LC-40/46/52LE700UN)
N	RUNTKA598WJ01	BA	N	X	LED8-PWB1 Unit (LC-32/46/52LE700UN)
N	RUNTKA598WJ02	BA	N	X	LED8-PWB2 Unit (LC-32/46/52LE700UN)
[2] LCD PANEL					
N	DLCUCA001FM01	DT	N	X	32" FHD LCD Panel Module Unit (LC-32LE700UN)
N	DLCUCA002FM01	EH	N	X	40" FHD LCD Panel Module Unit (LC-40LE700UN)
N	DLCUCA003FM01	FA	N	X	46" FHD LCD Panel Module Unit (LC-46LE700UN)
N	DLCUCA004FM01	FL	N	X	52" FHD LCD Panel Module Unit (LC-52LE700UN)
[3] DUNTKF282FM01/02 (MAIN Unit)					
C501	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C503	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C504	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C505	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C506	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C507	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C508	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C509	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C510	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C512	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C514	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C515	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C516	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C517	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C519	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C520	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C521	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C522	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C523	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C525	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C533	VCCCCZ1HH471JY	AA		J	Capacitor 470p 50V Ceramic
C535	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C536	VCCCCZ1HH471JY	AA		J	Capacitor 470p 50V Ceramic
C537	VCCCCZ1HH471JY	AA		J	Capacitor 470p 50V Ceramic
C539	VCCCCZ1HH471JY	AA		J	Capacitor 470p 50V Ceramic
C540	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C555	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C557	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C563	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C565	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C566	RC-KZA403WJPZY	AB		J	Capacitor 4.7 6.3V Ceramic
C569	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C570	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C575	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C576	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C577	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C578	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C579	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C580	VCCCCZ1HH150JY	AB		J	Capacitor 15p 50V Ceramic
C581	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1107	VCKYCY1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1112	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C1113	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1114	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1116	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1118	VCKYCY1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1119	VCKYCY1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C1120	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1121	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1123	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1126	VCKYCY1HB222KY	AB		J	Capacitor 2200p 50V Ceramic
C1129	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1130	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1132	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1137	VCKYCY1HB222KY	AB		J	Capacitor 2200p 50V Ceramic
C1138	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1141	VCKYCY1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1142	VCKYCY1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1143	VCKYCY1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1144	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1145	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C1146	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
C1147	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C1148	VCKYCZ1EB472KY	AB		J	Capacitor 4700p 25V Ceramic
C1149	VCKYCY1EB472KY	AB		J	Capacitor 4700p 25V Ceramic
C1150	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1151	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1152	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1153	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1154	RC-KZA213WJZZY	AC		J	Capacitor 4.7 25V Ceramic
C1155	VCKYCY1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1159	VCCCCZ1HH470JY	AB		J	Capacitor 47p 50V Ceramic
C1160	VCCCCZ1HH470JY	AB		J	Capacitor 47p 50V Ceramic
C1301	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C1303	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1306	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C1307	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C1309	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1310	VCKYCZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C1311	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1312	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C1314	RC-KZA098WJZZY	AD		J	Capacitor 10 25V Ceramic
C1602	VCKYCY1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1613	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1614	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1615	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1616	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1617	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1618	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1619	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1620	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1623	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1624	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1625	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1626	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1627	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1628	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1629	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1634	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1801	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1802	VCKYCY1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1803	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1804	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1809	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1810	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1811	VCCCCZ1HH470JY	AB		J	Capacitor 47p 50V Ceramic
C1812	VCCCCZ1HH470JY	AB		J	Capacitor 47p 50V Ceramic
C1814	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1825	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1826	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1827	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1828	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1835	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1837	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1842	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C1849	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C1850	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1852	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C2002	VCKYCZ1HB152KY	AB		J	Capacitor 1500p 50V Ceramic
C2003	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2008	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2010	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2012	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2016	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2020	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C2024	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2026	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2027	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C2028	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C2029	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C2030	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C2601	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2602	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2606	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C2704	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2705	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2706	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2707	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2710	VCERMZ1EN477MY	AE		J	Capacitor 470 25V Capacitor(AL)
C2711	VCKYCY1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C2712	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C2713	VCKYCZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C2716	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2717	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2723	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2724	RC-KZA114WJZZY	AB		J	Capacitor 1 25V Ceramic
C2725	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
C2726	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C2727	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C2728	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C2730	VCKYTV1EB224KY	AA		J	Capacitor 0.22 25V Ceramic
C2731	VCKYTV1EB224KY	AA		J	Capacitor 0.22 25V Ceramic
C2737	VCCCCZ1HH151JY	AB		J	Capacitor 150p 50V Ceramic
C2738	VCCCCZ1HH151JY	AB		J	Capacitor 150p 50V Ceramic
C2740	VCCCCZ1HH151JY	AB		J	Capacitor 150p 50V Ceramic
C2741	VCCCCZ1HH151JY	AB		J	Capacitor 150p 50V Ceramic
C2748	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C8001	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8002	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8003	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8004	RC-KZA067WJZZY	AB		J	Capacitor 4.7 10V Ceramic
C8005	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8006	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8007	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8008	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8009	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8010	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8011	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8012	VCCCCZ1HH120GY	AA		J	Capacitor 12p 50V Ceramic
C8013	VCCCCZ1HH100DY	AB		J	Capacitor 10p 50V Ceramic
C8016	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C8017	RC-KZA531WJQZY	AA		J	Capacitor 1 10V Ceramic
C8018	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C8019	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C8020	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C8021	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C8022	VCKYCZ1HB472KY	AA		J	Capacitor 4700p 50V Ceramic
C8023	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8024	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8025	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8026	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8027	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8028	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8029	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8030	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8031	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8032	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8033	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8034	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8035	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8036	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8037	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C8038	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C8039	RC-KZA067WJZZY	AB		J	Capacitor 4.7 10V Ceramic
C8040	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8041	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8042	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8043	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8044	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8045	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8046	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8051	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8052	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8053	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8054	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8055	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8056	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8057	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8058	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8059	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8060	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8061	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8062	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8063	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8064	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8065	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8066	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8067	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8068	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8069	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8070	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8071	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8072	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8073	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8074	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8075	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8076	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8077	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8078	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8079	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8080	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8081	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
C8082	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C8083	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C8084	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C8085	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C8086	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8087	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8088	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8089	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8090	VCKYCZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C8091	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8092	VCKYCZ1HB472KY	AA		J	Capacitor 4700p 50V Ceramic
C8093	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8094	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8095	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C8096	VCKYCZ1HB472KY	AA		J	Capacitor 4700p 50V Ceramic
C8097	VCKYTV1CB105KY	AC		J	Capacitor 1 16V Ceramic
C8098	VCKYCZ1HB471KY	AB		J	Capacitor 470p 50V Ceramic
C8099	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8100	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8101	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8102	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8174	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C8175	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8176	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C8177	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8178	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8179	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8180	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8181	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8182	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8183	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8184	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8185	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C8186	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8187	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8188	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8189	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8190	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C8191	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C8455	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8456	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C8460	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C9001	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C9002	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9003	VCKYCZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C9004	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C9005	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9006	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9007	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9008	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9010	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C9301	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C9501	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9502	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic (LC-40/46/52LE700UN)
C9503	VCCCZ1HH150GY	AA		J	Capacitor 15p 50V Ceramic (LC-40/46/52LE700UN)
C9504	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9505	VCCCZ1HH150GY	AA		J	Capacitor 15p 50V Ceramic (LC-40/46/52LE700UN)
C9506	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9507	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9508	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9509	VCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic (LC-40/46/52LE700UN)
C9510	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9511	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic (LC-40/46/52LE700UN)
C9512	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic (LC-40/46/52LE700UN)
C9601	VCKYCZ1AB104KY	AA		X	Capacitor 0.1 10V Ceramic
C9602	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9603	VCKYCZ1HB332KY	AA		J	Capacitor 3300p 50V Ceramic
C9604	VCKYCZ1EB472KY	AA		X	Capacitor 4700p 25V Ceramic
C9605	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C9607	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C9608	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C9612	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9613	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9614	RC-KZA213WJZZY	AC		J	Capacitor 4.7 25V Ceramic
C9615	VCKYCZ1CB822KY	AB		J	Capacitor 8200p 16V Ceramic
C9616	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9617	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C9618	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9619	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9620	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9621	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9622	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9623	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9624	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C9625	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
C9626	RC-KZA067WJZZY	AB		J	Capacitor 4.7 10V Ceramic
C9627	VCKYCZ1EB472KY	AB		J	Capacitor 4700p 25V Ceramic
C9628	RC-KZA213WJZZY	AC		J	Capacitor 4.7 25V Ceramic
C9629	RC-KZA213WJZZY	AC		J	Capacitor 4.7 25V Ceramic
C9630	RC-KZA403WJPZY	AB		J	Capacitor 4.7 6.3V Ceramic
C9631	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9632	RC-KZA616WJQZY	AB		J	Capacitor 10 10V Ceramic
C9635	VCKYCZ1HB222KY	AB		J	Capacitor 2200p 50V Ceramic
C9701	RC-KZA510WJPZY	AB		J	Capacitor 10 16V Ceramic
C9702	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C9709	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C9710	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C9711	RC-KZA520WJQZY	AA		J	Capacitor 1 10V Ceramic
C9713	RC-KZA403WJPZY	AB		J	Capacitor 4.7 6.3V Ceramic
C9719	RC-KZA104WJZZY	AA		J	Capacitor 1 25V Ceramic
C9722	RC-KZA067WJZZY	AB		J	Capacitor 4.7 10V Ceramic
D523	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D524	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D525	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D526	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D527	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D528	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D529	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D530	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D531	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D532	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D1101	VHDRB056L40-1Y	AC		J	Diode RB056L-40TE25
D1102	VHDRB056L40-1Y	AC		J	Diode RB056L-40TE25
D1301	VHDKDS4148/-1Y	AA		J	Diode KDS4148U-RTK/P
D1302	VHD1SS361///-1Y	AB		J	Diode 1SS361(T5L,F,T)
D1305	VHD1SS361///-1Y	AB		J	Diode 1SS361(T5L,F,T)
D1306	VHGPFSV51M-1	AG		J	Diode Photodiode
D1307	VHD1SS361///-1Y	AB		J	Diode 1SS361(T5L,F,T)
D1310	VHD1SS361///-1Y	AB		J	Diode 1SS361(T5L,F,T)
D1311	RH-EXA523WJZZY	AB		J	Diode MAZ8056GML
D1312	VHD1SS361///-1Y	AB		J	Diode 1SS361(T5L,F,T)
D1601	VHDRB520S30-1Y	AC		J	Diode RB520S-30TE61
D1602	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1603	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1606	RH-EXA523WJZZY	AB		J	Diode MAZ8056GML
D1607	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1608	VHDM152WK/-1Y	AB		J	Diode MA152WK-(TX)
D1609	VHDM152WK/-1Y	AB		J	Diode MA152WK-(TX)
D1610	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1805	VHDM152WK/-1Y	AB		J	Diode MA152WK-(TX)
D1806	RH-EXA523WJZZY	AB		J	Diode MAZ8056GML
D1807	RH-EXA523WJZZY	AB		J	Diode MAZ8056GML
D1808	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D1809	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D1810	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D1811	VHDM152WK/-1Y	AB		J	Diode MA152WK-(TX)
D1812	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1813	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1814	VHDM152WK/-1Y	AB		J	Diode MA152WK-(TX)
D1815	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1817	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1818	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D1820	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D2504	VHDRB520S30-1Y	AC		J	Diode RB520S-30TE61
D2505	VHDM152WK/-1Y	AB		J	Diode MA152WK-(TX)
D8001	RH-PXA018WJZZY	AC		J	Diode GM1HD55200A
D9001	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D9002	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9003	VHD1PS184+-1Y	AB		J	Diode 1PS184,115
D9005	VHDMAZ9120H-1Y	AC		J	Diode MAZ91200H0L
D9007	RH-EXA532WJZZY	AA		J	Diode MAZ8075GML
D9304	VHD1PS184+-1Y	AB		J	Diode 1PS184,115
D9601	VHDRB056L40-1Y	AC		J	Diode RB056L-40TE25
D9602	RH-EXA523WJZZY	AB		J	Diode MAZ8056GML
D9603	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9604	VHDRB056L40-1Y	AC		J	Diode RB056L-40TE25
D9605	VHD1PS226+-1Y	AB		J	Diode 1PS226,115
D9606	VHDRB056L40-1Y	AC		J	Diode RB056L-40TE25
D9607	RH-EXA507WJZZY	AA		J	Diode MAZ8033GLL
D9609	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9610	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9611	RH-EXA512WJZZY	AB		J	Diode MAZ8039GHL
D9701	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9702	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9703	VHDM111G+-1Y	AA		J	Diode MA2J1110GL
D9713	VHD1PS184+-1Y	AB		J	Diode 1PS184,115
FB502	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB505	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB506	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB507	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
FB508	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB509	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB510	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB511	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB512	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB513	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB515	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB516	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB517	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB518	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB520	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB521	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB522	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB523	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB1101	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB1605	RBLN-A192WJZZY	AA		J	Ferrite Bead A192WJ
FB1802	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB1803	RBLN-A045WJZZY	AB		J	Ferrite Bead A045WJ
FB1804	RBLN-0093GEZZY	AB		J	Ferrite Bead 0093GE
FB1805	RBLN-0093GEZZY	AB		J	Ferrite Bead 0093GE
FB1806	RBLN-0093GEZZY	AB		J	Ferrite Bead 0093GE
FB1807	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB1808	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB1812	RBLN-A192WJZZY	AA		J	Ferrite Bead A192WJ
FB2001	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB2002	RBLN-A005WJZZY	AA		J	Ferrite Bead A005WJ
FB2003	RBLN-A005WJZZY	AA		J	Ferrite Bead A005WJ
FB2004	RBLN-A005WJZZY	AA		J	Ferrite Bead A005WJ
FB2005	RBLN-A378WJQZY	AA		J	Ferrite Bead A378WLQZ
FB2006	RBLN-A378WJQZY	AA		J	Ferrite Bead A378WLQZ
FB2007	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2008	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2009	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2010	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2011	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2012	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2013	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2014	RBLN-A378WJQZY	AA		J	Ferrite Bead A378WLQZ
FB2508	RBLN-A192WJZZY	AA		J	Ferrite Bead A192WJ
FB2601	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2602	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2603	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2604	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2605	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2606	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2607	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2608	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2609	RBLN-A204WJZZY	AA		J	Ferrite Bead A204WJ
FB2610	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2611	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2612	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2613	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2614	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2615	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2616	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2617	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2618	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2619	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2620	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2621	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2622	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2623	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2624	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2625	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2626	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2627	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2628	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2629	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2630	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2631	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2632	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2633	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2638	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB2639	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2640	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2641	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB2702	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB2703	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB2704	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB2705	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB2706	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB8001	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB8002	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ
FB9001	RBLN-A042WJZZY	AB		J	Ferrite Bead A042WJ
FB9002	RBLN-A042WJZZY	AB		J	Ferrite Bead A042WJ

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
FB9003	RBLN-A192WJZZY	AA		J	Ferrite Bead A192WJ
FB9004	RBLN-A042WJZZY	AB		J	Ferrite Bead A042WJ
FB9501	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ (LC-40/46/52LE700UN)
FB9502	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ (LC-40/46/52LE700UN)
FB9503	RBLN-A206WJZZY	AA		J	Ferrite Bead A206WJ (LC-40/46/52LE700UN)
FB9701	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB9702	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9703	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9704	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9705	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9706	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9707	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9708	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9709	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB9710	RBLN-A074WJZZY	AA		J	Ferrite Bead A074WJ
FB9711	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
FB9712	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
IC1101	VHiR1173S18-1Y	AE		J	IC R1173S181B-E2-F
IC1102	VHiMM3443DF-1Y	AD		J	IC MM3443DFBE
IC1104	VHiTAR5SB33-1Y	AD		J	IC TAR5SB33(TE85L,F)
IC1107	VHiLV5893M+-1Y	AE		J	IC LV5893M-TE-L-E
IC1108	VHiLV5893M+-1Y	AE		J	IC LV5893M-TE-L-E
IC1301	VHiLA79200V-1Y	AF		J	IC LA79200V-TLM-E
IC1304	VHiAHC1G08W-1Y	AD		J	IC 74AHC1G08GW/G,125
IC1601	VHiCM123408-1Y	AE		J	IC CM1234-08DE
IC1602	VHiCM123408-1Y	AE		J	IC CM1234-08DE
IC1603	VHiTC7SH17U-1Y	AC		J	IC TC7SH17FU(TE85L,F)
IC1605	VHiSi9287+-1Q	AP		J	IC Si9287ACNU
IC1606	VHiTC7SH17U-1Y	AC		J	IC TC7SH17FU(TE85L,F)
IC1607	VHiLCX125FT-1Y	AD		J	IC TC74LCX125FT(EL,K)
IC1801	VHiSi9287+-1Q	AP		J	IC Si9287ACNU
IC1802	VHiLVC2G14G-1Y	AD		J	IC 74LVC2G14GW,125
IC1803	VHiCM123408-1Y	AE		J	IC CM1234-08DE
IC1804	VHiCM123408-1Y	AE		J	IC CM1234-08DE
IC1809	VHiS24CS02JHES			J	IC S-24CS02AFJ-TB-G (RGB EDID)
IC2001	VHiS80927NM-1Y	AC		J	IC S-80927CNMC-G8XT2G
IC2002	RH-iXC786WJN4Q			J	IC R5F364A6NFB (Monitor Micon)
IC2004	VHiS24CS08J-1Y	AE		J	IC S-24CS08AFJ-TB-1G
IC2007	VHiAHC1G08W-1Y	AD		J	IC 74AHC1G08GW/G,125
IC2008	VHi7WH126FU-1Y	AE		J	IC TC7WH126FU(TE12L,F)
IC2601	VHiHC2G66DP-1Y	AD		J	IC 74HC2G66DP,125
IC2602	VHiHC2G66DP-1Y	AD		J	IC 74HC2G66DP,125
IC2701	VHiYDA148QZ-1Y	AL		J	IC YDA148-QZE2
IC8001	RH-iXC579WJQZQ	BL		J	IC MT5391UFMJ
IC8002	VHiBD6538G+-1Y	AD		J	IC BD6538G-TR
IC8152	RH-iXC768WJQZQ	AU		X	IC H5PS5162FFR-G7C (LC-32LE700UN)
IC8153	RH-iXC768WJQZQ	AU		X	IC H5PS5162FFR-G7C (LC-32LE700UN)
IC8152	RH-iXC754WJQZQ	AX		J	IC H5PS1G63EFR-G7C (LC-40/46/52LE700UN)
IC8153	RH-iXC754WJQZQ	AX		J	IC H5PS1G63EFR-G7C (LC-40/46/52LE700UN)
IC8453	RH-iXC894WJQZQ	AQ	N	X	IC H27U518S2CTP-BC
IC8454	VHiS24CS64A-1Y	AF		J	IC S-24CS64AOI-J8T1G
IC9001	VHiTC7W00U/-1Y	AE		J	IC TC7W00FU(TE12L,F)
IC9002	VHi7WH126FU-1Y	AE		J	IC TC7WH126FU(TE12L,F)
IC9003	VHiM3221EiP-1Y	AK		J	IC MAX3221EIPower
IC9004	VHiLCX157FT-1Y	AD		J	IC TC74LCX157FT(EKJ)
IC9301	VHiAHC1G08W-1Y	AD		J	IC 74AHC1G08GW/G,125
IC9501	VHiKSZ8041T-1Y	AM	N	X	IC KSZ8041TLI (LC-40/46/52LE700UN)
IC9601	VHiAOZ1021A-1Y	AG		X	IC AOZ1021AI
IC9602	VHiLV5893M+-1Y	AE		X	IC LV5893M-TE-L-E
IC9603	VHiLV5893M+-1Y	AE		J	IC LV5893M-TE-L-E
IC9604	VHiMM3443DF-1Y	AD		J	IC MM3443DFBE
IC9605	VHiMM3141YN-1Y	AC		J	IC MM3141YNRE
IC9606	VHiLV5893M+-1Y	AE		J	IC LV5893M-TE-L-E
IC9701	VHiR1154H00-1Y	AE		J	IC R1154H001C-T1-F
IC9703	VHiTCR5SB33-1Y	AC		J	IC TCR5SB33(TE85L,F)
J501	QJAKGA079WJZZ	AD		J	Jack 7Pin
J502	QJAKGA131WJZZ	AG		J	Jack 7Pin
J503	QJAKFA061WJZZ	AE		J	Jack 4Pin
J504	QSOCDA035WJZZ	AD		J	Jack 7Pin
J505	QJAKFA061WJZZ	AE		J	Jack 4Pin
J507	QJAKGA132WJQZ	AF		J	Jack 8Pin
J508	QJAKGA131WJZZ	AG		J	Jack 7Pin
J1801	QJAKEA103WJZZ	AD		J	Jack 3Pin
J8001	QSOCZA172WJQZ	AD		J	Jack 4Pin
J9501	QJAKZA061WJQZ	AN		J	Jack (LC-40/46/52LE700UN)
L501	VPMTNR15JR25NY	AB		J	Peaking 0.15μH
L502	VPMTNR15JR25NY	AB		J	Peaking 0.15μH
L503	VPMTNR15JR25NY	AB		J	Peaking 0.15μH
L504	VPMTNR15JR25NY	AB		J	Peaking 0.15μH
L505	VPMTNR15JR25NY	AB		J	Peaking 0.15μH
L506	VPMTNR15JR25NY	AB		J	Peaking 0.15μH
L507	RCiLPA903WJZZY	AC		J	Coil
L1102	RCiLPA899WJZZY	AC		J	Coil
L1103	RCiLPA899WJZZY	AC		J	Coil
L1301	VPCEM100MR70NY	AC		J	Peaking 10μH

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
L1601	RCiLFA116WJZZY	AE		J	Coil
L1602	RCiLFA116WJZZY	AE		J	Coil
L1603	RCiLFA116WJZZY	AE		J	Coil
L1604	RCiLFA116WJZZY	AE		J	Coil
L1802	RCiLFA116WJZZY	AE		J	Coil
L1803	RCiLFA116WJZZY	AE		J	Coil
L1804	RCiLFA116WJZZY	AE		J	Coil
L1805	RCiLFA116WJZZY	AE		J	Coil
L2613	RCiLFA157WJZZY	AC		X	Coil
L2614	RCiLFA157WJZZY	AC		X	Coil
L2615	RCiLFA157WJZZY	AC		X	Coil
L2616	RCiLFA157WJZZY	AC		X	Coil
L2617	RCiLFA157WJZZY	AC		X	Coil
L2618	RCiLFA157WJZZY	AC		X	Coil
L2701	RCiLPA888WJZZY	AG		J	Coil
L2702	RCiLPA888WJZZY	AG		J	Coil
L2703	RCiLPA888WJZZY	AG		J	Coil
L2704	RCiLPA888WJZZY	AG		J	Coil
L8001	RCiLFA154WJZZY	AC		J	Coil
L9501	RCiLFA279WJZZY	AC		J	Coil (LC-40/46/52LE700UN)
L9502	RCiLFA279WJZZY	AC		J	Coil (LC-40/46/52LE700UN)
L9601	RCiLPA898WJZZY	AC		J	Coil
L9602	RCiLPA895WJZZY	AD		J	Coil
L9603	RCiLPA897WJZZY	AD		J	Coil
L9604	RCiLPA897WJZZY	AD		J	Coil
LUG1101	QLUGHA006WJZZY	AC		J	Lug
LUG1102	QLUGHA006WJZZY	AC		J	Lug
LUG1103	QLUGHA006WJZZY	AC		J	Lug
LUG1104	QLUGHA006WJZZY	AC		J	Lug
LUG1105	QLUGHA006WJZZY	AC		J	Lug
LUG1106	QLUGHA006WJZZY	AC		J	Lug
LUG1110	QLUGHA006WJZZY	AC		J	Lug
LUG1114	QLUGHA006WJZZY	AC		J	Lug
P2002	QPLGNA338WJZZY	AD		J	Plug
P2003	QPLGNA330WJZZY	AD		J	Plug
P2601	QCNCWA960WJQZY	AG		X	Plug
P2602	QPLGNA349WJZZY	AE		J	Plug
P2603	QPLGNA343WJZZY	AD		J	Plug
P2701	QPLGNA160WJZZY	AD		J	Plug
P9701	QPLGNA181WJZZY	AF		J	Plug
Q519	VSKTC3875SG-1Y	AB		J	Transistor
Q520	VSKTC3875SG-1Y	AB		J	Transistor
Q1101	VSKTC3875SG-1Y	AB		J	Transistor
Q1102	VSKTC3875SG-1Y	AB		J	Transistor
Q1304	VSKRC404E+-1Y	AB		J	Transistor KRC404E-RTK
Q1305	VSKRC404E+-1Y	AB		J	Transistor KRC404E-RTK
Q1306	VSRT3Y97M+-1Y	AC		J	Transistor RT3Y970-T111-1
Q1309	VSKTC3875SG-1Y	AB		J	Transistor
Q1311	VSRT3Y97M+-1Y	AC		J	Transistor RT3Y970-T111-1
Q1312	VSKRC404E+-1Y	AB		J	Transistor KRC404E-RTK
Q1609	VSKRC402E+-1Y	AB		J	Transistor
Q1610	VSKTA1535T+-1Y	AC		J	Transistor KTA1535T-RTK/P
Q1804	VSKRC402E+-1Y	AB		J	Transistor
Q1808	VSKTA1535T+-1Y	AC		J	Transistor KTA1535T-RTK/P
Q1812	VSRN4983///-1Y	AC		J	Transistor RN4983(TE85L,F)
Q2002	VSRN4901///-1Y	AC		J	Transistor RN4901(TE85L,F)
Q2003	VSRT1P141U/-1Y	AB		J	Transistor RT1P141U-T111-1
Q2004	VSRT1N141U/-1Y	AB		J	Transistor RT1N141U-T111-1
Q2006	VSRT1N141U/-1Y	AB		J	Transistor RT1N141U-T111-1
Q2601	VSSM6N15FU-1Y	AB		J	Transistor SSM6N15FU(TE85L,F)
Q2603	VSKRC404E+-1Y	AB		J	Transistor KRC404E-RTK
Q2704	VSKRC404E+-1Y	AB		J	Transistor KRC404E-RTK
Q9001	VSRN1102///-1Y	AB		J	Transistor RN1102(TE85L,F)
Q9602	VSRT1N141U/-1Y	AB		J	Transistor RT1N141U-T111-1
Q9603	VSKTC3875SG-1Y	AB		J	Transistor
Q9701	VSRN4982///-1Y	AB		J	Transistor RN4982(TE85L,F)
Q9702	VSRN4982///-1Y	AB		J	Transistor RN4982(TE85L,F)
Q9705	VS2SA1530AR-1Y	AB		J	Transistor 2SA1530A-T112-1R
Q9706	VS2SA1530AR-1Y	AB		J	Transistor 2SA1530A-T112-1R
Q9707	VSHN7G04FUA-1Y	AB		J	Transistor HN7G04FU-A(TE85L,F)
R509	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R510	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R511	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R512	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R514	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R515	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R526	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R535	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R536	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R537	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R538	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R539	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R540	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R543	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R544	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
R545	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R546	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R547	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R549	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R552	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R554	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R555	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R558	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R559	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R561	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R569	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R572	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R573	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R574	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R579	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R580	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R581	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R582	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R588	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R589	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R590	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R591	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R592	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R596	VRS-TV1JD471JY	AA		J	Resistor 470 1/10W Metal Oxide
R597	VRS-TV1JD471JY	AA		J	Resistor 470 1/10W Metal Oxide
R601	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R602	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1101	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1102	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1104	VRS-CZ1JF4R7JY	AA		J	Resistor 4.7 1/16W Metal Oxide
R1105	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1106	VRS-CZ1JF4R7JY	AA		J	Resistor 4.7 1/16W Metal Oxide
R1107	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1108	VRS-CZ1JF390JY	AA		J	Resistor 39 1/16W Metal Oxide
R1109	VRS-CZ1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R1113	VRS-CZ1JF123FY	AA		J	Resistor 12k 1/16W Metal Oxide
R1114	VRS-CZ1JF392JY	AA		J	Resistor 3.9k 1/16W Metal Oxide
R1115	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1118	VRS-CZ1JF272FY	AA		J	Resistor 2.7k 1/16W Metal Oxide
R1119	VRS-CZ1JF182JY	AA		J	Resistor 1.8k 1/16W Metal Oxide
R1120	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1121	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1123	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1124	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1125	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1127	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1128	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1129	VRS-CZ1JF390JY	AA		J	Resistor 39 1/16W Metal Oxide
R1133	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1134	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1135	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1136	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1137	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1138	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1139	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1140	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1141	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1142	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1145	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1146	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R1147	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1148	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R1149	VRS-CZ1JF153JY	AA		J	Resistor 15k 1/16W Metal Oxide
R1150	VRS-CZ1JF393FY	AA		J	Resistor 39k 1/16W Metal Oxide
R1151	VRS-CZ1JF562JY	AA		J	Resistor 5.6k 1/16W Metal Oxide
R1152	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1153	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1301	VRS-CJ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1302	VRS-CG1JF202JY	AA		J	Resistor 2.0k 1/16W Metal Oxide
R1305	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1308	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1310	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R1311	VRS-CZ1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R1317	VRS-CZ1JF392JY	AA		J	Resistor 3.9k 1/16W Metal Oxide
R1318	VRS-CZ1JF392JY	AA		J	Resistor 3.9k 1/16W Metal Oxide
R1323	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1328	VRS-CG1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1329	VRS-CZ1JF153JY	AA		J	Resistor 15k 1/16W Metal Oxide
R1330	VRS-CZ1JF153JY	AA		J	Resistor 15k 1/16W Metal Oxide
R1333	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R1334	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R1335	VRS-CZ1JF562JY	AA		J	Resistor 5.6k 1/16W Metal Oxide
R1337	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1338	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1339	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
R1340	VRS-CY1JF564JY	AA		J	Resistor 560k 1/16W Metal Oxide
R1342	VRS-CY1JF564JY	AA		J	Resistor 560k 1/16W Metal Oxide
R1345	VRS-CZ1JF153JY	AA		J	Resistor 15k 1/16W Metal Oxide
R1602	VRS-CZ1JF273JY	AA		J	Resistor 27k 1/16W Metal Oxide
R1603	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1606	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1609	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1610	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1615	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1618	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1620	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1621	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1638	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1639	VRS-CZ1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R1640	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1641	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1642	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1644	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1645	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1646	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1648	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1651	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1652	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1653	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1654	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1655	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1656	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1657	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1658	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1660	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1663	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1665	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1668	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1669	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1670	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1671	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1672	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1685	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1686	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1687	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1688	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1689	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1690	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1694	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1695	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1801	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1806	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1807	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1811	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1814	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R1815	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R1816	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R1817	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide
R1818	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1819	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1820	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1821	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1822	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1824	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1825	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R1826	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R1827	VRS-TV1JD750JY	AA		J	Resistor 75 1/10W Metal Oxide
R1828	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R1838	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R1842	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1846	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1847	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1848	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1850	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1851	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1852	VRS-CZ1JF331JY	AA		J	Resistor 330 1/16W Metal Oxide
R1853	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1854	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1855	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1857	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1858	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1860	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1864	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1865	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1866	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1867	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1868	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1869	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1870	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1871	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide

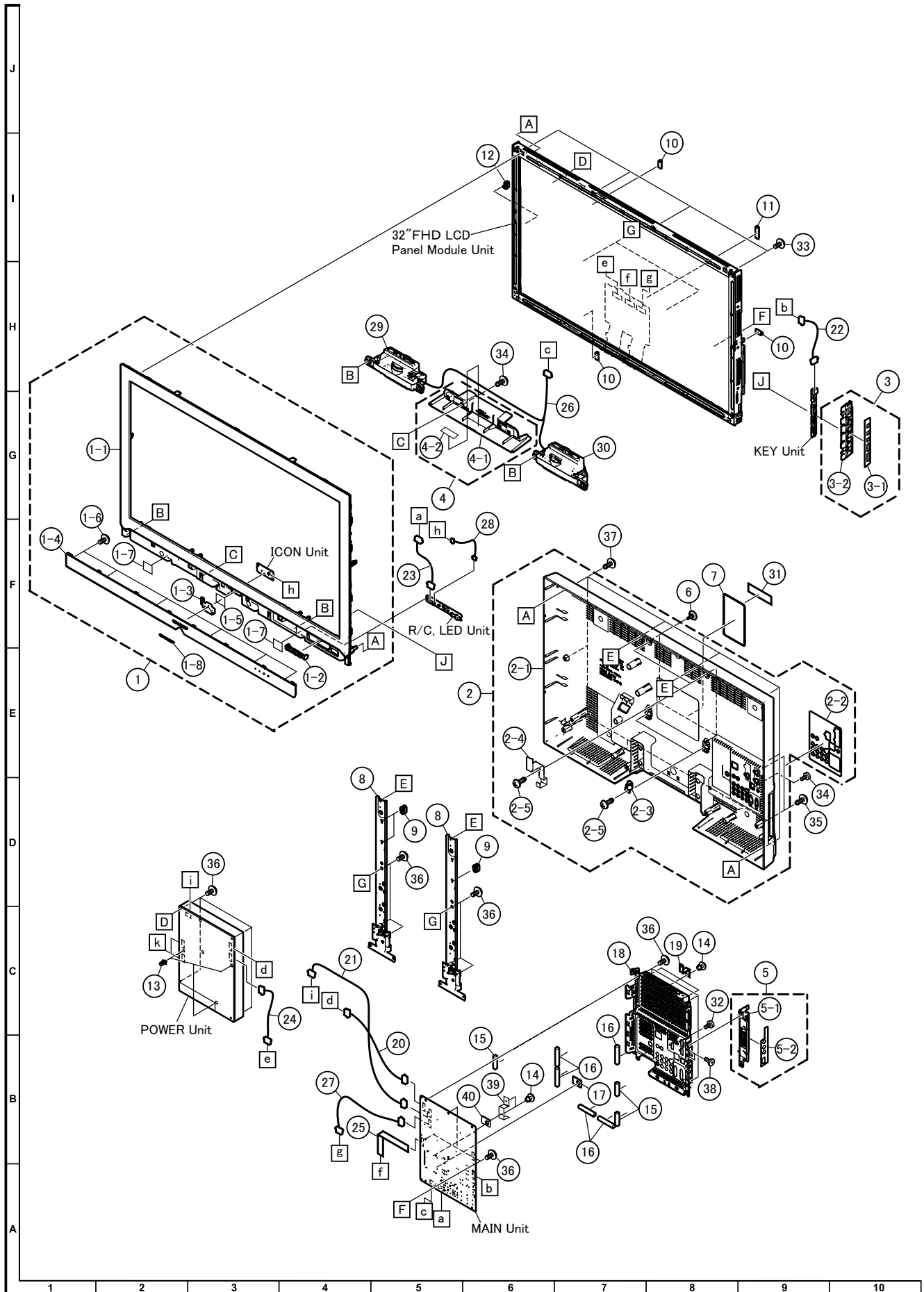
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
R1872	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1881	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1882	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1883	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R1885	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1886	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1888	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1889	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1899	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1900	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1901	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1916	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1917	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1918	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1919	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1920	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2001	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R2002	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2003	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R2004	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2006	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2007	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2008	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R2009	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R2010	VRS-CZ1JF333JY	AA		J	Resistor 33k 1/16W Metal Oxide
R2011	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2012	VRS-CH1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2014	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2015	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2016	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2017	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2018	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2019	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2020	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2022	VRS-CZ1JF333JY	AA		J	Resistor 33k 1/16W Metal Oxide
R2023	VRS-CZ1JF473FY	AA		J	Resistor 47k 1/16W Metal Oxide
R2024	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R2025	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2026	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2028	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2029	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2030	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2031	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2032	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2033	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R2034	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2036	VRS-CZ1JF105JY	AA		J	Resistor 1M 1/16W Metal Oxide
R2038	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2042	VRS-CH1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R2044	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2047	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R2048	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2049	VRS-CZ1JF272FY	AA		J	Resistor 2.7k 1/16W Metal Oxide
R2050	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R2051	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2052	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2057	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2058	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2060	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2061	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2062	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2063	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2064	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2068	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2070	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2071	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R2072	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2075	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2077	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R2078	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2505	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R2506	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R2507	VRS-CZ1JF273JY	AA		J	Resistor 27k 1/16W Metal Oxide
R2601	VRS-CH1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2602	VRS-CH1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2603	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R2604	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2605	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2607	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2609	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2610	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2614	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2617	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2619	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2620	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
R2622	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2623	VRS-CZ1JF105JY	AA		J	Resistor 1M 1/16W Metal Oxide
R2627	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2628	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R2635	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R2636	VRS-CZ1JF105JY	AA		J	Resistor 1M 1/16W Metal Oxide
R2639	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R2641	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2642	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2643	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2644	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2715	VRS-CZ1JF224FY	AA		J	Resistor 220k 1/16W Metal Oxide
R2717	VRS-CZ1JF273FY	AA		J	Resistor 27k 1/16W Metal Oxide
R2719	VRS-CZ1JF562JY	AA		J	Resistor 5.6k 1/16W Metal Oxide
R2726	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2731	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2741	VRS-CZ1JF753JY	AA		J	Resistor 75k 1/16W Metal Oxide
R2742	VRS-CZ1JF273JY	AA		J	Resistor 27k 1/16W Metal Oxide
R2744	VRS-CZ1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide
R2752	VRS-CZ1JF224FY	AA		J	Resistor 220k 1/16W Metal Oxide
R2753	VRS-CZ1JF683FY	AA		J	Resistor 68k 1/16W Metal Oxide
R2754	VRS-CZ1JF223FY	AA		J	Resistor 22k 1/16W Metal Oxide
R8001	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R8002	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R8003	VRS-CZ1JF101FY	AA		J	Resistor 100 1/16W Metal Oxide
R8004	VRS-CZ1JF390FY	AA		J	Resistor 39 1/16W Metal Oxide
R8005	VRS-CZ1JF512FY	AA		J	Resistor 5.1k 1/16W Metal Oxide
R8006	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8007	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8008	VRS-CZ1JF561JY	AA		J	Resistor 560 1/16W Metal Oxide
R8009	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8010	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8011	VRS-CZ1JF105JY	AA		J	Resistor 1M 1/16W Metal Oxide
R8012	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8013	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8016	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8018	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8020	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8024	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R8025	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R8026	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R8027	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R8028	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R8029	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R8031	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8032	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8033	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8034	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8035	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8036	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8037	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8038	VRS-CZ1JF303JY	AA		J	Resistor 30k 1/16W Metal Oxide
R8039	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R8046	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8047	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8048	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8049	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8051	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8052	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8054	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R8056	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8058	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8060	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8061	VRS-CZ1JF472FY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8062	VRS-CZ1JF472FY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8063	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8065	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R8072	VRS-CZ1JF180JY	AA		J	Resistor 18 1/16W Metal Oxide
R8073	VRS-CZ1JF180JY	AA		J	Resistor 18 1/16W Metal Oxide
R8074	VRS-CZ1JF180JY	AA		J	Resistor 18 1/16W Metal Oxide
R8075	VRS-CZ1JF180JY	AA		J	Resistor 18 1/16W Metal Oxide
R8076	VRS-CZ1JF180JY	AA		J	Resistor 18 1/16W Metal Oxide
R8077	VRS-CZ1JF180JY	AA		J	Resistor 18 1/16W Metal Oxide
R8079	VRS-CZ1JF750JY	AA		J	Resistor 75 1/16W Metal Oxide
R8151	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8152	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8153	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8154	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8157	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R8158	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R8181	VRS-CG1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R8182	VRS-CG1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R8183	VRS-CG1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R8184	VRS-CG1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R8185	VRS-CG1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
R8186	VRS-CG1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R8451	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8453	VRS-CZ1JF472FY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8455	VRS-CZ1JF472FY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R8458	VRS-CH1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8459	VRS-CH1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8462	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8463	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R8474	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R8475	VRS-CZ1JF470JY	AA		J	Resistor 47 1/16W Metal Oxide
R9001	VRS-TV1JD101JY	AA		J	Resistor 100 1/10W Metal Oxide
R9002	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9004	VRS-CZ1JF182JY	AA		J	Resistor 1.8k 1/16W Metal Oxide
R9008	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9009	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9010	VRS-CZ1JF182JY	AA		J	Resistor 1.8k 1/16W Metal Oxide
R9011	VRS-CZ1JF182JY	AA		J	Resistor 1.8k 1/16W Metal Oxide
R9012	VRS-CZ1JF182JY	AA		J	Resistor 1.8k 1/16W Metal Oxide
R9013	VRS-CG1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9014	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9015	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9018	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9020	VRS-TV1JD101JY	AA		J	Resistor 100 1/10W Metal Oxide
R9021	VRS-TV1JD101JY	AA		J	Resistor 100 1/10W Metal Oxide
R9023	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R9025	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9026	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9027	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9028	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9301	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R9302	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R9305	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9308	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9319	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9326	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R9501	VRS-CZ1JF510FY	AA		J	Resistor 51 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9502	VRS-CZ1JF510FY	AA		J	Resistor 51 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9503	VRS-CZ1JF510FY	AA		J	Resistor 51 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9504	VRS-CZ1JF510FY	AA		J	Resistor 51 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9505	VRS-CZ1JF133JY	AA		J	Resistor 13k 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9506	VRS-CZ1JF133JY	AA		J	Resistor 13k 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9507	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9508	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9509	VRS-CH1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9510	VRS-CH1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9511	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9512	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9513	VRS-CZ1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9514	VRS-CZ1JF220JY	AA		J	Resistor 22 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9515	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9516	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9517	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9518	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9519	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9520	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9523	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9524	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide (LC-40/46/52LE700UN)
R9601	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9603	VRS-CZ1JF272FY	AA		J	Resistor 2.7k 1/16W Metal Oxide
R9605	VRS-CZ1JF562JY	AA		J	Resistor 5.6k 1/16W Metal Oxide
R9606	VRS-CZ1JF390JY	AA		J	Resistor 39 1/16W Metal Oxide
R9607	VRS-CZ1JF471JY	AA		J	Resistor 470 1/16W Metal Oxide
R9608	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9609	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R9610	VRS-CZ1JF682JY	AA		X	Resistor 6.8k 1/16W Metal Oxide
R9611	VRS-CZ1JF473FY	AA		X	Resistor 47k 1/16W Metal Oxide
R9612	VRS-CZ1JF472JY	AA		X	Resistor 4.7k 1/16W Metal Oxide
R9613	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9614	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9616	VRS-CZ1JF123FY	AA		J	Resistor 12k 1/16W Metal Oxide
R9617	VRS-CZ1JF561JY	AA		J	Resistor 560 1/16W Metal Oxide
R9618	VRS-CZ1JF272FY	AA		J	Resistor 2.7k 1/16W Metal Oxide
R9619	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9622	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9623	VRS-CZ1JF273FY	AA		J	Resistor 27k 1/16W Metal Oxide
R9624	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9625	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9629	VRS-CZ1JF390JY	AA		J	Resistor 39 1/16W Metal Oxide
R9630	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9631	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9633	VRS-CZ1JF390JY	AA		J	Resistor 39 1/16W Metal Oxide
R9634	VRS-CZ1JF4R7JY	AA		J	Resistor 4.7 1/16W Metal Oxide
R9701	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R9702	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9703	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide

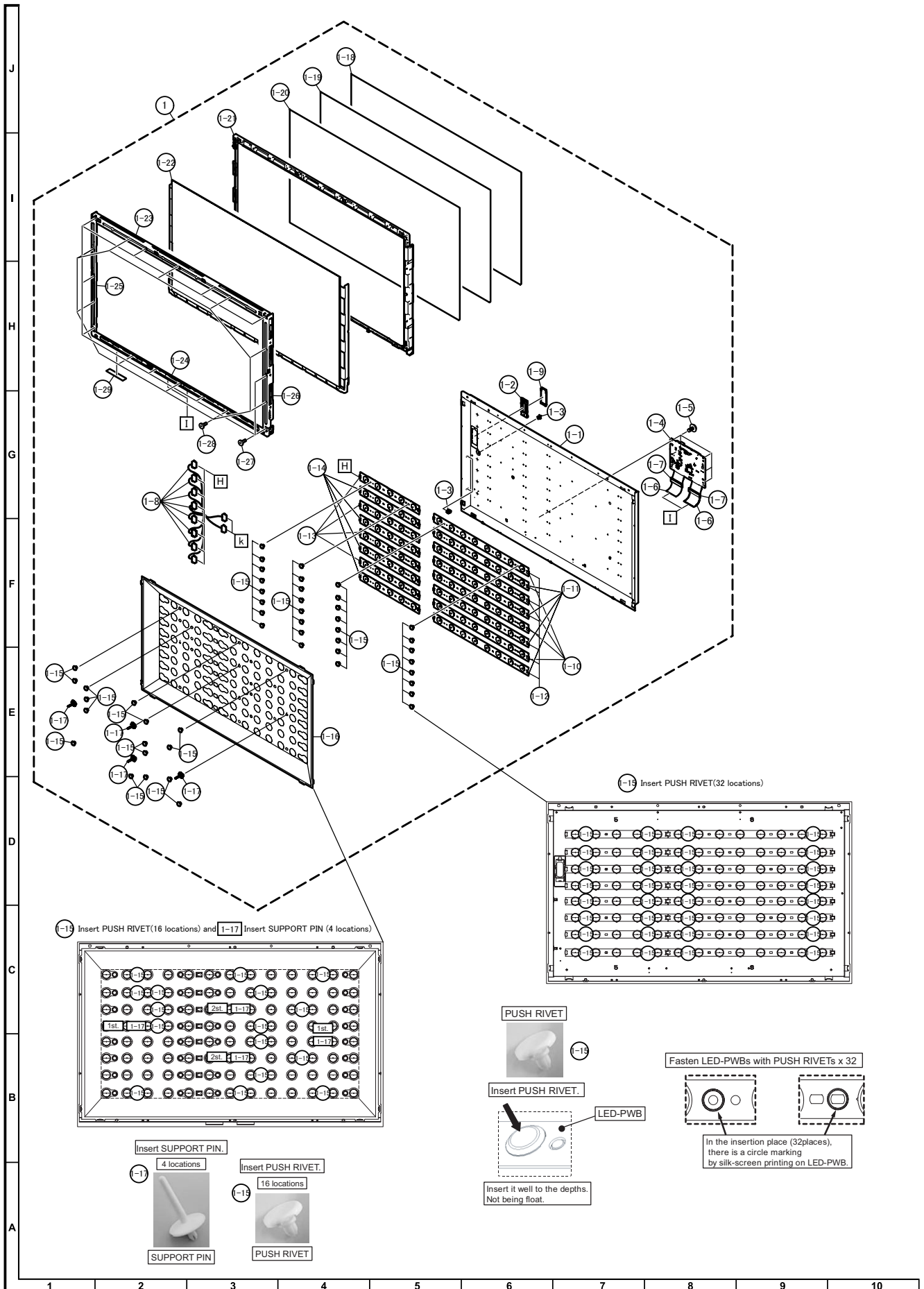
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DUNTKF282FM01/02 (MAIN Unit)					
R9704	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9705	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R9706	VRS-CZ1JF150JY	AA		J	Resistor 15 1/16W Metal Oxide
R9707	VRS-CZ1JF153JY	AA		J	Resistor 15k 1/16W Metal Oxide
R9708	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9709	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9710	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R9711	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R9736	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9740	VRS-CZ1JF273JY	AA		J	Resistor 27k 1/16W Metal Oxide
R9741	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R9744	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R9745	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9746	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
RDA8001	PRDARA795WJFW	AK	N	X	Heat Sink
SC1601	QSOCZA149WJQZY	AF		J	Socket 23Pin
SC1602	QSOCZA171WJZZY	AF		J	Socket 23Pin
SC1801	QSOCZA171WJZZY	AF		J	Socket 23Pin
SC1802	QSOCZA171WJZZY	AF		J	Socket 23Pin
SC1804	QSOCNA816WJZZ	AG	N	X	Socket 17Pin
SC9001	QSOCNA818WJZZ	AH	N	X	Socket 11Pin
TH2001	VHHM1103J03-1Y	AC		J	Thermistor
TU1102	RTUDAA043WJQZ	AZ	N	X	Tuner
VA8001	RH-VXA074WJZZY	AB		J	Varistor AVRL101A1R1NTB
VA8002	RH-VXA074WJZZY	AB		J	Varistor AVRL101A1R1NTB
X2002	RFLZA023WJQZY	AD		J	Crystal Filter
X8001	RCRSCA039WJZZY	AG		J	Crystal
X9501	RCRSCA219WJQZY	AE	N	X	Crystal (LC-40/46/52LE700UN)
N	LANGQA049WJFW	AB	N	X	MAIN PWB Earth Angle
N	PMLT-A607WJZZ	AE	N	X	Gasket Main
N	PCLICA014WJKZ	AC		X	Rivet, x2
N	PSPA2C305WJKZ	AE	N	X	Spacer
N	PCOVPA168WJFW	AC		X	LAN Cover (LC-40/46/52LE700UN)
[4] DUNTKE266FM02 (KEY Unit)					
D151	RH-EX0646GEZZY	AA		J	Diode MTZJT-7215B
D152	RH-EX0646GEZZY	AA		J	Diode MTZJT-7215B
D155	RH-EX0646GEZZY	AA		J	Diode MTZJT-7215B
P151	QPLGNA059WJZZ	AC		J	Plug
R151	VRD-RA2BE822JY	AA		J	Resistor 8.2k 1/8W Carbon
R152	VRD-RA2BE123JY	AA		J	Resistor 12k 1/8W Carbon
R153	VRD-RA2BE822JY	AA		J	Resistor 8.2k 1/8W Carbon
R154	VRD-RA2BE123JY	AA		J	Resistor 12k 1/8W Carbon
S151	QSW-K0003AJZZ+	AB		J	Switch CH-UP
S152	QSW-K0003AJZZ+	AB		J	Switch CH-DOWN
S153	QSW-K0003AJZZ+	AB		J	Switch INPUT
S154	QSW-K0003AJZZ+	AB		J	Switch VOL-UP
S155	QSW-K0003AJZZ+	AB		J	Switch VOL-DOWN
S156	QSW-K0003AJZZ+	AB		J	Switch MENU
S157	QSW-K0003AJZZ+	AB		J	Switch POWER
[5] DUNTKF308FM01 (R/C, LED Unit)					
C101	VCKYCY1HF103ZY	AA		J	Capacitor 0.01 50V Ceramic
C102	VCEASX1CN106MY	AC		J	Capacitor 10 16V Electrolytic
C103	VCEASY1CN107MY	AC		J	Capacitor 100 16V Electrolytic
C104	VCKYTV1CF225ZY	AB		J	Capacitor 2.2 16V Ceramic
D102	RH-PX0421CEZZY	AD		J	Diode CL-165HR/YG-D-T
D103	RH-PX0421CEZZY	AD		J	Diode CL-165HR/YG-D-T
D104	RH-EXA092WJZZY	AB		J	Diode UDZSFVTE-1712B
FB101	RBLN-A375WJQZY	AA		J	Ferrite Bead A375WJQZ
IC101	VHIGA1S100W-1Y	AE		J	IC GA1A1S100WP
P101	QPLGNA322WJZZY	AC		J	Plug
P102	QPLGNA330WJZZY	AD		J	Plug
Q102	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112-1R
Q104	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112-1R
R103	VRS-CY1JF161JY	AA		J	Resistor 160 1/16W Metal Oxide
R106	VRS-CY1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R113	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R114	VRS-CY1JF161JY	AA		J	Resistor 160 1/16W Metal Oxide
R120	VRS-CY1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R123	VRS-CY1JF273JY	AA		J	Resistor 27k 1/16W Metal Oxide
R124	VRS-CJ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
N	PSLDPA076WJFW	AD		J	Shield
N	RRMCUA053WJZZ	AE		J	Remote Receiver
[6] DUNTKF314FM01 (ICON Unit)					
D201	RH-PXA129WJQZY	AF		J	Diode SML012BCTT86T
P201	QPLGNA322WJZZY	AC		J	Plug
R202	VRS-CZ1JF221JY	AA		J	Resistor 220 1/16W Metal Oxide

[7] CABINET PARTS (LC-32LE700UN)



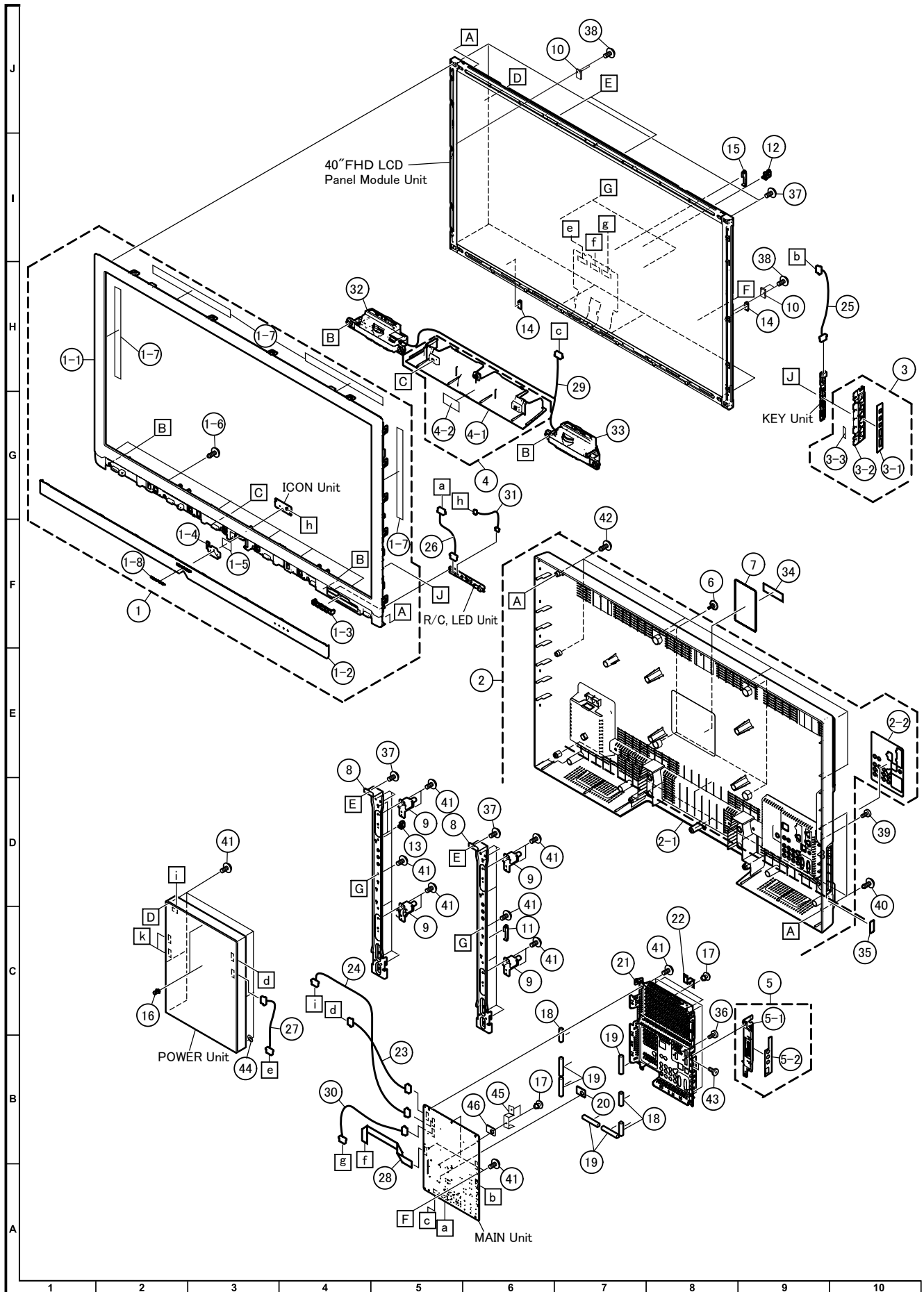
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[7] CABINET PARTS (LC-32LE700UN)					
1	CCABAC371WJ31	BP	N	X	Front Cabinet Ass'y
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-	N	-	LED Cover
1-3	Not Available	-	N	-	Center Decoration
1-4	Not Available	-	N	-	Bottom Decoration
1-5	Not Available	-	N	-	Diffusion Sheet
1-6	XEBS930P10000	AA		J	Screw, x6
1-7	PSPAZC360WJZZ		N	X	Douhe Sided tape, x2
1-8	HBDGBA070WJSA			X	SHARP Badge
2	CCABBB580WJ31	BK	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	Not Available	-	N	-	Terminal Label
2-3	Not Available	-		-	VESA Angle, x2
2-4	LANGKC355WJFW	AE		X	VESA Angle, x2
2-5	XEBSN30P08000	AA		J	Screw, x4
3	CBTN-A844WJ31	AL	N	X	Control Button Cover Ass'y
3-1	HINDPD374WJSA	AD	N	X	Control Button Label
3-2	Not Available	-	N	-	Control Button
4	CCOVAD472WJ31		N	X	Bottom Cover Ass'y
4-1	Not Available	-	N	-	Bottom Cover
4-2	Not Available	-	N	-	Reflection Sheet
5	CCOVAC951WJ02	AK		X	Side Terminal Cover Ass'y
5-1	Not Available	-	N	-	Side Terminal Cover
5-2	Not Available	-	N	-	Side Terminal Label
6	GCOVAC576WJKZ	AC		J	VESA Holder Cover, x4
7	HINDPD370WJSA	AD	N	X	Model Label
8	LANGKC414WJFW	AL	N	X	Center Angle, x2
9	LHLDWA143WJKZ	AC		J	Wire Holder, x3
10	LHLDWA175WJUJ	AC		J	Wire Holder, x3
11	LHLDWA176WJUJ	AC		J	Wire Holder
12	LHLDWA280WJKZ	AC		X	Wire Holder
13	LHLDZA587WJKZ	AC	N	J	Spacer, x3
14	PCLICA014WJKZ	AC	N	X	Rivet, x5
15	PMLT-A593WJZZ	AC		X	Gasket, x3
16	PMLT-A594WJZZ	AD		X	Gasket, x5
17	PMLT-A597WJQZ	AF		X	Gasket
18	PSLDMB629WJFW	AM	N	X	Main PWB Shield
19	PSLDMB651WJZZ	AD	N	X	Shield Main
20	QCNW-J802WJQZ	AK	N	X	Connecting Cord (PD)
21	QCNW-J803WJQZ	AL	N	X	Connecting Cord (LB)
22	QCNW-J804WJQZ	AF	N	X	Connecting Cord (KM)
23	QCNW-J805WJQZ	AK	N	X	Connecting Cord (RA)
24	QCNW-J806WJQZ	AF	N	X	Connecting Cord (PL)
25	QCNW-J807WJQZ	AV	N	X	Connecting Cord (LW)
26	QCNW-J808WJQZ	AK	N	X	Connecting Cord (SP)
27	QCNW-J809WJQZ	AK	N	X	Connecting Cord (LP)
28	QCNW-J837WJQZ	AF	N	X	Connecting Cord (IM)
29	RSP-ZA391WJZZ	AP		J	Speaker-L
30	RSP-ZA392WJZZ	AP		J	Speaker-R
31	Not Available	-		-	Serial No. Label
32	XBPS830P06000	AA		J	Screw, x3 (for HDMI)
33	XEBS740P10000	AB		J	Screw, x4 (for Cabinet, LCD Unit)
34	XEBS930P10000	AA		J	Screw, x2 (for S-Video/Bottom Cover)
35	XEBS940P16000	AB		J	Screw, x5 (for Cabinet A/B)
36	XHPS830P06WS0	AA		J	Screw, x17 (for LCD Panel)
37	XHPS830P10WS0	AB		J	Screw, x8 (for Cabinet B, LCD Unit)
38	XIPSN20P04000	AA		J	Screw, x2 (for HDMI)
39	LANGQA049WJFW	AB	N	X	MAIN PWB Earth Angle
40	PMLT-A607WJZZ	AE	N	X	Gasket Main

[8] LCD PANEL MODULE (LC-32LE700UN)



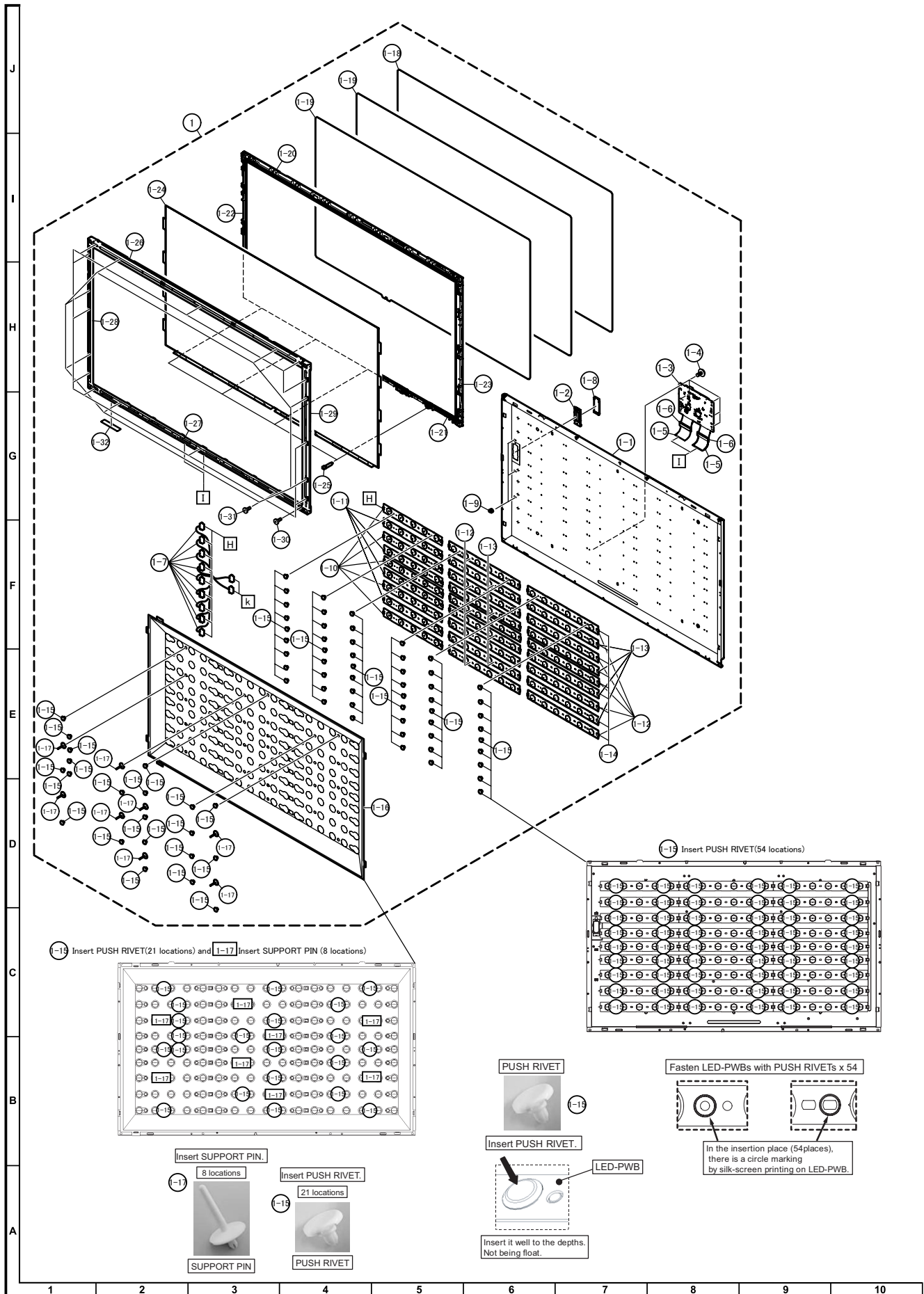
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[8] LCD PANEL MODULE (LC-32LE700UN)					
1	DLCUCA001FM01	DT	N	X	32" FHD LCD Panel Module Unit
1-1	PRDARA787WJZZ	BC	N	X	Back Light Chassis
1-2	LHLDWA284WJKZ	AB	N	X	Bush Base
1-3	LHLDWA280WJKZ	AC	N	X	Wire Holder, x3
1-4	RUNTK4225TPZA	CS	N	X	LCD Control Unit
1-5	XHPS730P06WS0	AA		J	Screw, x6
1-6	QCNW-H089WJQZ	AG		X	Connecting Cord, x2
1-7	RCORFA061WJZZ	AG		J	Ferrite Core, x2
1-8	QCNW-J644WJQZ	AR	N	X	Wire Harness
1-9	CHLDWA285WJ01	AC	N	X	Bush Cap Unit
1-10	RUNTKA598WJ01	BA	N	X	LED8 PWB1 Unit, x4
1-11	RUNTKA598WJ02	BA	N	X	LED8 PWB2 Unit, x4
1-12	QCNCWA958WJZZ	AD	N	X	Terminator, x8
1-13	RUNTKA595WJ01	AX	N	X	LED5 PWB1 Unit, x4
1-14	RUNTKA595WJ02	AX	N	X	LED5 PWB2 Unit, x4
1-15	LHLDZB497WJKZ	AB	N	X	Push Rivet, x48
1-16	PMIR-A254WJZZ	AT	N	X	Reflection Sheet
1-17	LHLDZB496WJKZ	AB	N	X	Support Pin, x4
1-18	PCOVUA183WJZZ	AW	N	X	Diffusion Plate
1-19	PSHEPA973WJZZ	BB	N	X	Lens Sheet
1-20	PSHEPA963WJZZ	BG	N	X	Optical Sheet
1-21	CHLDZB528WJ01	AW	N	X	Panel Chassis Ass'y
1-22	R1LK315D3FZE0Z	CT	N	X	32" LCD Panel Unit
1-23	CANGKC321WJ01	AM	N	X	Bezel Ass'y (Top)
1-24	CANGKC326WJ01	AM	N	X	Bezel Ass'y (Bottom)
1-25	CANGKC327WJ01	AH	N	X	Bezel Ass'y (L)
1-26	CANGKC328WJ01	AH	N	X	Bezel Ass'y (R)
1-27	LX-EZA028WJF9	AB	N	J	Screw, x10
1-28	LX-HZA039WJF7	AB		J	Screw, x10
1-29	TLABN2229TPZZ	AA		J	Bar Code Label

[9] CABINET PARTS (LC-40LE700UN)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[9] CABINET PARTS (LC-40LE700UN)					
1	CCABAC372WJ31	BQ	N	X	Front Cabinet Ass'y
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-	N	-	Front Decoration
1-3	Not Available	-	N	-	LED Cover
1-4	Not Available	-	N	-	Center Decoration
1-5	Not Available	-	N	-	Diffusion Sheet
1-6	XEBS740P10000	AB		J	Screw, x6
1-7	PSPAHB223WJ3Z			X	HIMERON, x4
1-8	HBDGBA070WJSA			X	SHARP Badge
2	CCABBB581WJ31	BM	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	Not Available	-	N	-	Terminal Label
3	CBTN-A844WJ31	AL	N	X	Control Button Cover Ass'y
3-1	HINDPD374WJSA	AD	N	X	Control Button Label
3-2	Not Available	-	N	-	Control Button
3-3	PSPAHB304WJKZ			X	HIMERON
4	CCOVAD464WJ31	AM	N	X	Bottom Cover Ass'y
4-1	Not Available	-	N	-	Bottom Cover
4-2	PSHEPB004WJKZ	AM	N	X	Reflection Sheet
5	CCOVAC951WJ03	AK	N	X	Side Terminal Cover Ass'y
5-1	Not Available	-		-	Side Terminal Cover
5-2	Not Available	-		-	Side Terminal Label
6	GCOVAC576WJKZ	AC		J	VESA Holder Cover, x4
7	HINDPD375WJSA	AD	N	X	Model Label
8	LANGKC300WJFW	AN	N	X	Center Angle, x2
9	LANGKC357WJM1	AG	N	X	VESA Angle, x4
10	LANGKC477WJFW	AC	N	X	Side Lug, x2
11	LHLDWA074WJKZ	AD		J	Wire Holder
12	LHLDWA133WJKZ	AC		J	Wire Holder
13	LHLDWA143WJKZ	AC		J	Wire Holder, x2
14	LHLDWA175WJUJ	AC		J	Wire Holder, x2
15	LHLDWA176WJUJ	AC		J	Wire Holder
16	LHLDZA587WJKZ	AC	N	J	Spacer, x2
17	PCLICA014WJKZ	AC	N	X	Rivet, x5
18	PMLT-A593WJZZ	AC		X	Gasket, x3
19	PMLT-A594WJZZ	AD		X	Gasket, x5
20	PMLT-A597WJQZ	AF		X	Gasket
21	PSLDMB629WJFW	AM	N	X	Main PWB Shield
22	PSLDMB651WJZZ	AD	N	X	Shield Main, x3
23	QCNW-J658WJQZ	AL	N	X	Connecting Cord (PD)
24	QCNW-J659WJQZ	AL	N	X	Connecting Cord (LB)
25	QCNW-J660WJQZ	AF	N	X	Connecting Cord (KM)
26	QCNW-J661WJQZ	AK	N	X	Connecting Cord (RA)
27	QCNW-J662WJQZ	AG	N	X	Connecting Cord (PL)
28	QCNW-J663WJQZ	AX	N	X	Connecting Cord (LW)
29	QCNW-J711WJQZ	AK	N	X	Connecting Cord (SP)
30	QCNW-J712WJQZ	AK	N	X	Connecting Cord (LP)
31	QCNW-J838WJQZ	AF	N	X	Connecting Cord (IM)
32	RSP-ZA391WJZZ	AP		J	Speaker-L
33	RSP-ZA392WJZZ	AP		J	Speaker-R
34	Not Available	-		-	Back Serial No. Label
35	Not Available	-	N	-	Side Serial No. Label
36	XBPS830P06000	AA		J	Screw, x3 (for HDMI)
37	XEBS740P10000	AB		J	Screw, x8 (for Cabinet)
38	XEBS930P08000	AA		J	Screw, x4 (for Side Lug)
39	XEBS930P10000	AA		J	Screw
40	XEBS940P16000	AB		J	Screw, x6 (for Cabinet A/B)
41	XHPS830P06WS0	AA		J	Screw, x35 (for LCD Panel)
42	XHPS830P06WS0	AA		J	Screw, x6 (for Cabinet/LCD)
43	XIPSN20P04000	AA		J	Screw, x2 (for HDMI)
44	XWHS740-08120			X	Washer
45	LANGQA049WJFW	AB	N	X	MAIN PWB Earth Angle
46	PMLT-A607WJZZ	AE	N	X	Gasket Main

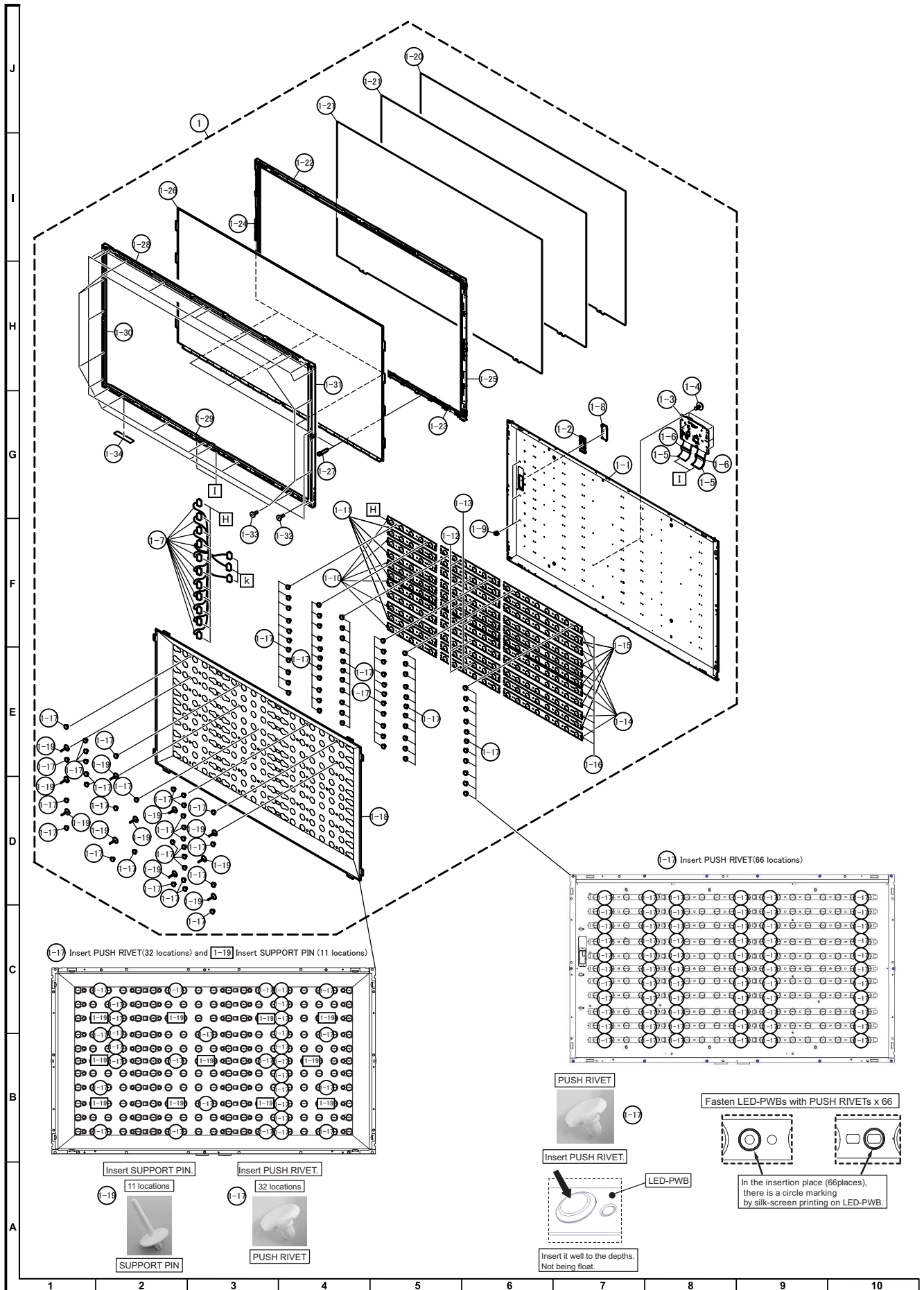
[10] LCD PANEL MODULE (LC-40LE700UN)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[10] LCD PANEL MODULE (LC-40LE700UN)					
1	DLCUCA002FM01	EH	N	X	40" FHD LCD Panel Module Unit
1-1	PRDARA782WJZZ	BL	N	X	Back Light Chassis
1-2	LHLDWA284WJKZ	AB	N	X	Bush Base
1-3	RUNTK4225TPZA	CS	N	X	LCD Control Unit
1-4	XBPS730P06WS0	AA		J	Screw, x6
1-5	QCNW-H089WJQZ	AG	N	X	Connecting Cord, x2
1-6	RCORFA061WJZZ	AG		J	Ferrite Core, x2
1-7	QCNW-J645WJQZ	AS	N	X	Wire Harness
1-8	CHLDWA285WJ01	AC	N	X	Bush Cap Unit
1-9	LHLDWA280WJKZ	AC	N	X	Wire Holder, x3
1-10	RUNTKA595WJ01	AX	N	X	LED5 PWB1 Unit, x5
1-11	RUNTKA595WJ02	AX	N	X	LED5 PWB2 Unit, x4
1-12	RUNTKA596WJ01	AY	N	X	LED6 PWB1 Unit, x10
1-13	RUNTKA596WJ02	AY	N	X	LED6 PWB2 Unit, x8
1-14	QCNCWA958WJZZ	AD	N	X	Terminator, x9
1-15	LHLDZB497WJKZ	AB	N	X	Push Rivet, x75
1-16	PMIR-A255WJZZ	AX	N	X	Reflector Sheet
1-17	LHLDZB496WJKZ	AB	N	X	Support Pin, x8
1-18	PCOVUA185WJZZ	BA	N	X	Diffusion Plate
1-19	PSHEPA965WJZZ	AY	N	X	Lens Sheet, x2
1-20	CHLDZB517WJ01	AS	N	X	Panel Chassis Ass'y (Top)
1-21	CHLDZB518WJ01	AS	N	X	Panel Chassis Ass'y (Bottom)
1-22	CHLDZB519WJ01	AL	N	X	Panel Chassis Ass'y (L)
1-23	CHLDZB520WJ01	AL	N	X	Panel Chassis Ass'y (R)
1-24	R1LK400D3FZB0Z	DG	N	X	40" LCD Panel Unit
1-25	LHLDZ3785TPZZ	AC		J	Clip, x4
1-26	CANGKC337WJ01	AP	N	X	Bezel Ass'y (Top)
1-27	CANGKC338WJ01	AP	N	X	Bezel Ass'y (Bottom)
1-28	CANGKC339WJ01	AN	N	X	Bezel Ass'y (L)
1-29	CANGKC340WJ01	AN	N	X	Bezel Ass'y (R)
1-30	LX-EZA028WJF9	AB		J	Screw, x12
1-31	LX-BZA213WJF7	AA		J	Screw, x8
1-32	TLABN2229TPZZ	AA		J	Bar Code Label

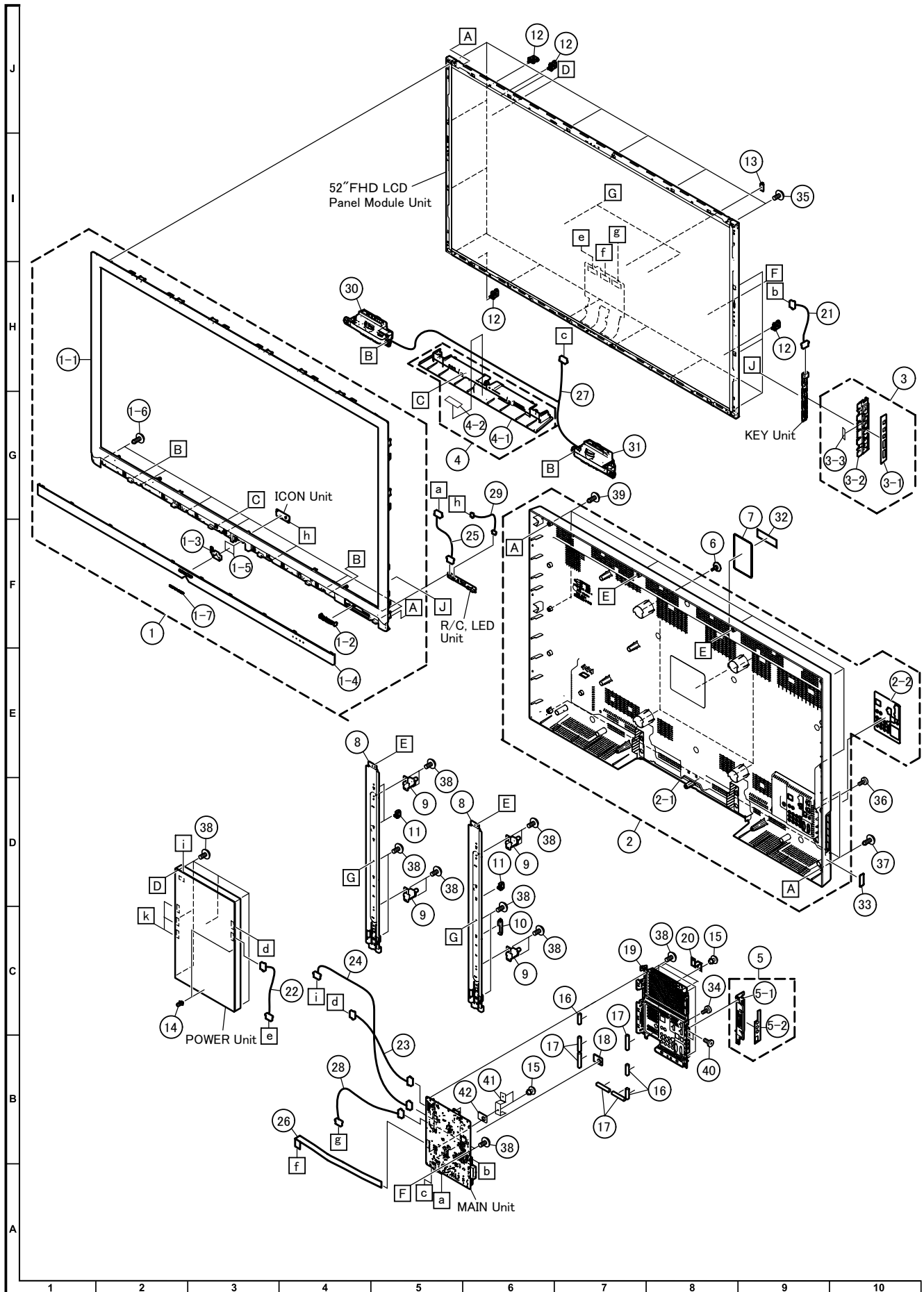
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[11] CABINET PARTS (LC-46LE700UN)					
1	CCABAC378WJ31	BR	N	X	Front Cabinet Ass'y
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-	N	-	LED Cover
1-3	Not Available	-	N	-	Center Decoration
1-4	Not Available	-	N	-	Front Decoration
1-5	Not Available	-	N	-	Diffusion Sheet
1-6	XEBS740P10000	AB		J	Screw, x6
1-7	Not Available	-	N	-	HIMERON
1-8	HBDGBA065WJSA			X	SHARP Badge
2	CCABBB591WJ31	BP	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	Not Available	-	N	-	Terminal Label
3	CBTN-A844WJ31	AL	N	X	Control Button Cover Ass'y
3-1	HINDPD374WJSA	AD	N	X	Control Button Label
3-2	Not Available	-	N	-	Control Button
3-3	PSPAHB304WJKZ			X	HIMERON
4	CCOVAD479WJ31	AN	N	X	Bottom Cover Ass'y
4-1	Not Available	-	N	-	Bottom Cover
4-2	Not Available	-	N	-	Reflection Sheet
5	CCOVAC951WJ03	AK	N	X	Side Terminal Cover Ass'y
5-1	Not Available	-		-	Side Terminal Cover
5-2	Not Available	-	N	-	Side Terminal Label
6	GCOVAC576WJKZ	AC		J	VESA Holder Cover, x4
7	HINDPD380WJSA	AD	N	X	Model Label
8	LANGKC357WJM1	AG	N	X	VESA Angle, x4
9	LANGKC435WJFW	AM	N	X	Center Angle, x2
10	LHLDWA074WJKZ	AD		J	Wire Holder
11	LHLDWA143WJKZ	AC		J	Wire Holder, x3
12	LHLDWA175WJUJ	AC		J	Wire Holder, x4
13	LHLDWA176WJUJ	AC		J	Wire Holder
14	LHLDZA587WJKZ	AC		J	Spacer, x3
15	PCLICA014WJKZ	AC		X	Rivet, x5
16	PMLT-A593WJZZ	AC		X	Gasket, x3
17	PMLT-A594WJZZ	AD		X	Gasket, x5
18	PMLT-A597WJQZ	AF		X	Gasket
19	PSLDMB629WJFW	AM	N	X	Main PWB Shield
20	PSLDMB651WJZZ	AD	N	X	Shield Main, x3
21	QCNW-H519WJQZ	AE		X	Connecting Cord (KM)
22	QCNW-J003WJQZ	AE		X	Connecting Cord (PL)
23	QCNW-J786WJQZ	AL	N	X	Connecting Cord (PD)
24	QCNW-J787WJQZ	AK	N	X	Connecting Cord (LB)
25	QCNW-J789WJQZ	AK	N	X	Connecting Cord (RA)
26	QCNW-J791WJQZ	AW	N	X	Connecting Cord (LW)
27	QCNW-J792WJPZ	AL	N	X	Connecting Cord (SP)
28	QCNW-J793WJQZ	AK	N	X	Connecting Cord (LP)
29	QCNW-J839WJQZ	AF	N	X	Connecting Cord (IM)
30	RSP-ZA391WJZZ	AP		J	Speaker-L
31	RSP-ZA392WJZZ	AP		J	Speaker-R
32	Not Available	-		-	Back Serial No. Label
33	Not Available	-	N	-	Side Serial No. Label
34	XBPS830P06000	AA		J	Screw, x3 (for HDMI)
35	XEBS740P10000	AB		J	Screw, x10
36	XEBS930P10000	AA		J	Screw
37	XEBS940P16000	AB		J	Screw, x6 (for Cabinet A/B)
38	XHPS830P06WS0	AA		J	Screw, x25
39	XHPS830P10WS0	AB		J	Screw, x6
40	XIPSN20P04000	AA		J	Screw, x2 (for HDMI)
41	LANGQA049WJFW	AB	N	X	MAIN PWB Earth Angle
42	PMLT-A607WJZZ	AE	N	X	Gasket Main

[12] LCD PANEL MODULE (LC-46LE700UN)



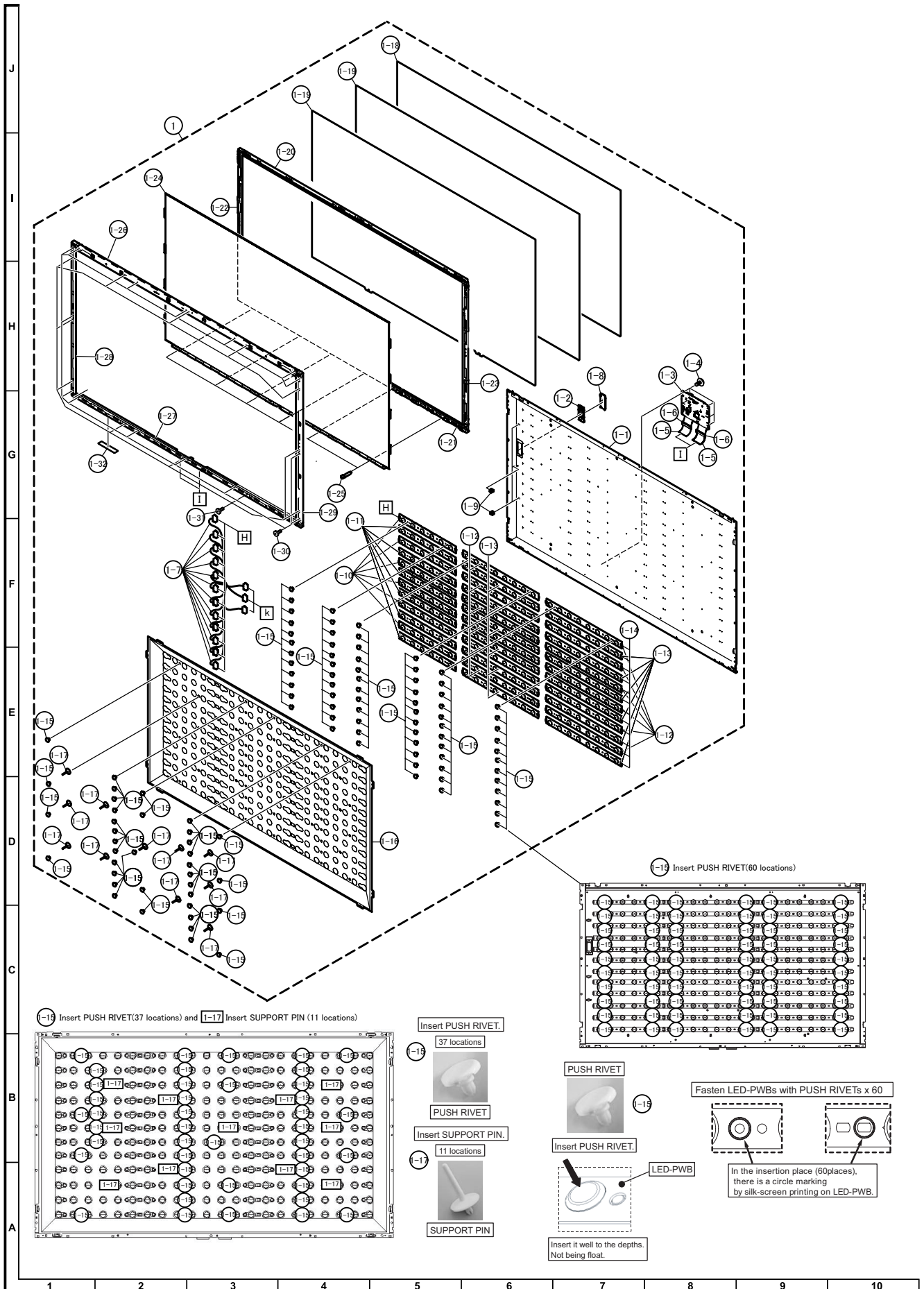
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[12] LCD PANEL MODULE (LC-46LE700UN)					
1	DLCUCA003FM01	FA	N	X	46" FHD LCD Panel Module Unit
1-1	PRDARA793WJZZ	BK	N	X	Back Light Chassis
1-2	LHLDWA284WJKZ	AB	N	X	Bush Base
1-3	RUNTK4225TPZA	CS	N	X	LCD Control Unit
1-4	XHPS730P06WS0	AA		J	Screw, x6
1-5	QCNW-H089WJQZ	AG	N	X	Connecting Cord, x2
1-6	RCORFA061WJZZ	AG		J	Ferrite Core, x2
1-7	QCNW-J647WJQZ	AU	N	X	Wire Harness
1-8	CHLDWA285WJ01	AC	N	X	Bush Cap Unit
1-9	LHLDWA281WJKZ	AC	N	X	Wire Holder, x3
1-10	RUNTKA595WJ01	AX	N	X	LED5 PWB1 Unit, x6
1-11	RUNTKA595WJ02	AX	N	X	LED5 PWB2 Unit, x5
1-12	RUNTKA596WJ01	AY	N	X	LED6 PWB1 Unit, x6
1-13	RUNTKA596WJ02	AY	N	X	LED6 PWB2 Unit, x5
1-14	RUNTKA598WJ01	BA	N	X	LED8 PWB1 Unit, x6
1-15	RUNTKA598WJ02	BA	N	X	LED8 PWB2 Unit, x5
1-16	QCNCWA958WJZZ	AD	N	X	Terminator, x11
1-17	LHLDZB497WJKZ	AB	N	X	Push Rivet, x98
1-18	PMiR-A256WJZZ	AY	N	X	Reflector Sheet
1-19	LHLDZB496WJKZ	AB	N	X	Support Pin, x11
1-20	PCOVUA186WJZZ	BC	N	X	Diffusion Plate
1-21	PSHEPA966WJZZ	AY	N	X	Lens Sheet, x2
1-22	CHLDZB509WJ01	AS	N	X	Panel Chassis Ass'y (Top)
1-23	CHLDZB510WJ01	AS	N	X	Panel Chassis Ass'y (Bottom)
1-24	CHLDZB511WJ01	AM	N	X	Panel Chassis Ass'y (L)
1-25	CHLDZB512WJ01	AM	N	X	Panel Chassis Ass'y (R)
1-26	R1LK460D3FZL0Z	DZ	N	X	46" LCD Panel Unit
1-27	LHLDZ3785TPZZ	AC		J	Clip, x4
1-28	CANGKC333WJ01	AP	N	X	Bezel Ass'y (Top)
1-29	CANGKC334WJ01	AP	N	X	Bezel Ass'y (Bottom)
1-30	CANGKC335WJ01	AN	N	X	Bezel Ass'y (L)
1-31	CANGKC336WJ01	AN	N	X	Bezel Ass'y (R)
1-32	LX-EZA028WJF9	AB		J	Screw, x16
1-33	LX-HZA039WJF7	AB		J	Screw, x10
1-34	TLABN2229TPZZ	AA		J	bar Code Label

[13] CABINET PARTS (LC-52LE700UN)



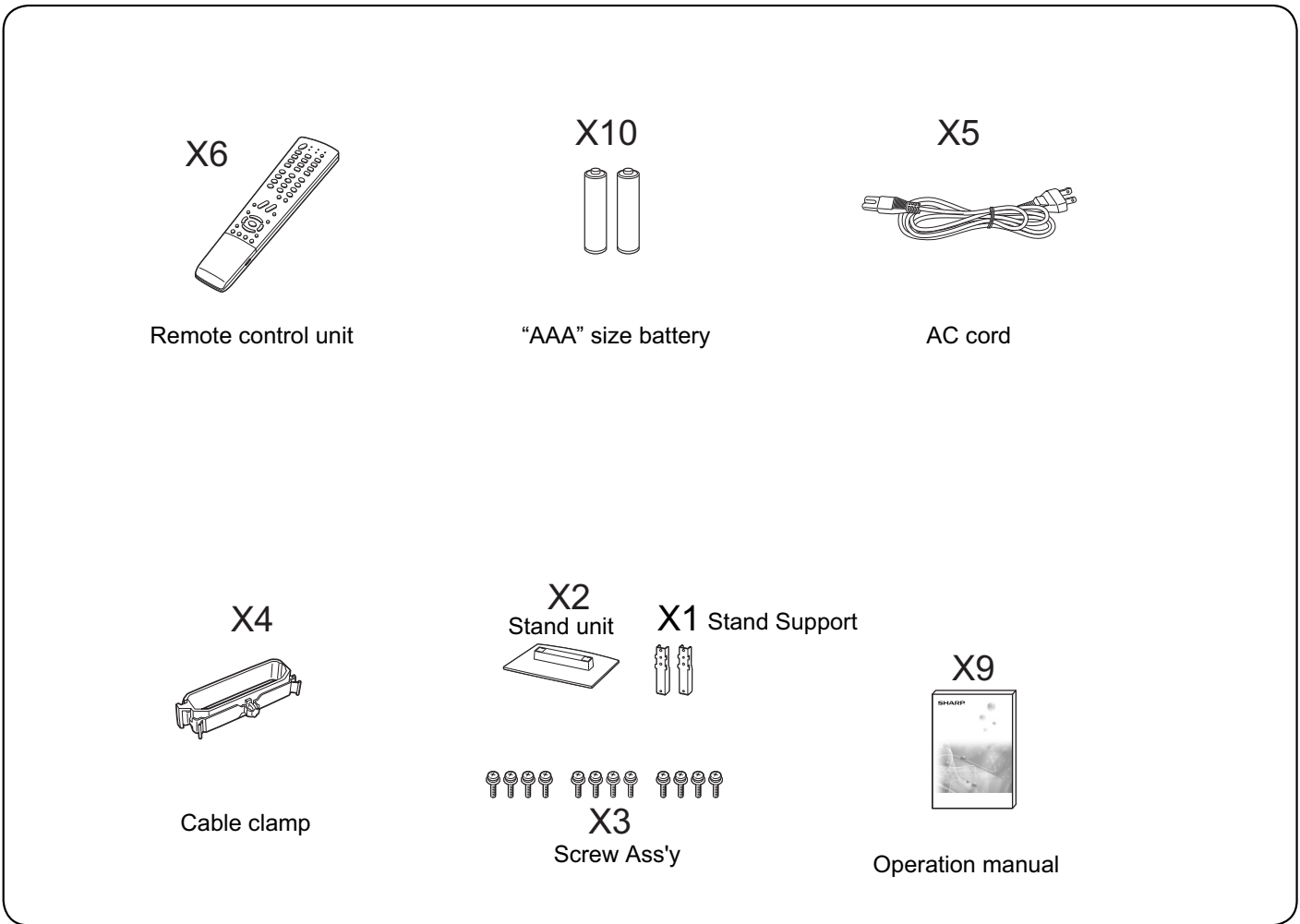
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[13] CABINET PARTS (LC-52LE700UN)					
1	CCABAC377WJ31	BS	N	X	Front Cabinet Ass'y
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-	-	-	LED Cover
1-3	Not Available	-	-	-	Center Decoration
1-4	Not Available	-	N	-	Front Decoration
1-5	Not Available	-	N	-	Diffusion Sheet
1-6	XEBS740P10000	AB		J	Screw, x7
1-7	HBDGBA065WJSA			X	SHARP Badge
2	CCABBB590WJ31	BR	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	Not Available	-	-	-	Terminal Label
3	CBTN-A844WJ31	AL	N	X	Control Button Cover Ass'y
3-1	HINDPD374WJSA	AD	N	X	Control Button Label
3-2	Not Available	-	N	-	Control Button
3-3	PSPAHB304WJKZ			X	HIMERON
4	CCOVAD479WJ31	AN	N	X	Bottom Cover Ass'y
4-1	Not Available	-	N	-	Bottom Cover
4-2	Not Available	-	N	-	Reflection Sheet
5	CCOVAC951WJ03	AK	N	X	Side Terminal Cover Ass'y
5-1	Not Available	-	-	-	Side Terminal Cover
5-2	Not Available	-	N	-	Side Terminal Label
6	GCOVAC576WJKZ	AC		J	VESA Holder Cover, x4
7	HINDPD379WJSA	AD	N	X	Model Label
8	LANGKC317WJFW	AM	N	X	Center Angle, x2
9	LANGKC357WJM1	AG		X	VESA Angle, x4
10	LHLDWA074WJKZ	AD		J	Wire Holder
11	LHLDWA143WJKZ	AC		J	Wire Holder, x3
12	LHLDWA175WJUJ	AC		J	Wire Holder, x4
13	LHLDWA176WJUJ	AC		J	Wire Holder
14	LHLDZA587WJKZ	AC		J	Spacer, x3
15	PCLICA014WJKZ	AC		X	Rivet, x5
16	PMLT-A593WJZZ	AC		X	Gasket, x3
17	PMLT-A594WJZZ	AD		X	Gasket, x5
18	PMLT-A597WJQZ	AF		X	Gasket
19	PSLDMB629WJFW	AM		X	Main PWB Shield
20	PSLDMB651WJZZ	AD	N	X	Shield Main, x3
21	QCNW-H519WJQZ	AE		X	Connecting Cord (KM)
22	QCNW-J003WJQZ	AE		X	Connecting Cord (PL)
23	QCNW-J794WJQZ	AL	N	X	Connecting Cord (PD)
24	QCNW-J795WJQZ	AK	N	X	Connecting Cord (LB)
25	QCNW-J797WJQZ	AK	N	X	Connecting Cord (RA)
26	QCNW-J799WJQZ	AX	N	X	Connecting Cord (LW)
27	QCNW-J800WJPZ	AL	N	X	Connecting Cord (SP)
28	QCNW-J801WJQZ	AL	N	X	Connecting Cord (LP)
29	QCNW-J840WJQZ	AF	N	X	Connecting Cord (IM)
30	RSP-ZA391WJZZ	AP		J	Speaker-L
31	RSP-ZA392WJZZ	AP		J	Speaker-R
32	Not Available	-	-	-	Back Serial No. Label
33	Not Available	-	N	-	Side Serial No. Label
34	XBPS830P06000	AA		J	Screw, x3 (for HDMI)
35	XEBS740P10000	AB		J	Screw, x16
36	XEBS930P10000	AA		J	Screw
37	XEBS940P16000	AB		J	Screw, x6 (for Cabinet A/B)
38	XHPS830P06WS0	AA		J	Screw, x25
39	XHPS830P10WS0	AB		J	Screw, x6
40	XIPSN20P04000	AA		J	Screw, x2 (for HDMI)
41	LANGQA049WJFW	AB	N	X	MAIN PWB Earth Angle
42	PMLT-A607WJZZ	AE	N	X	Gasket Main

[14] LCD PANEL MODULE (LC-52LE700UN)



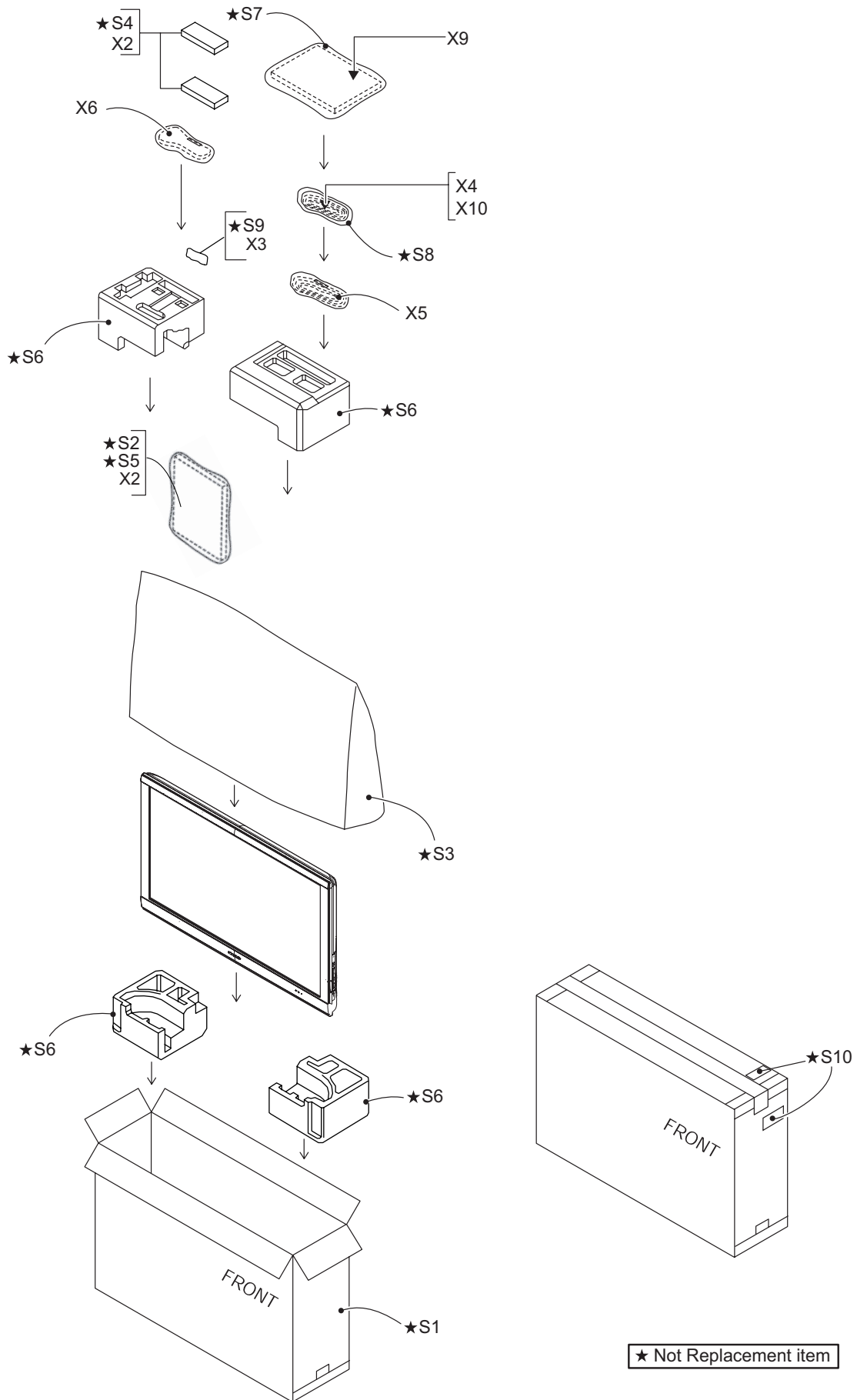
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[14] LCD PANEL MODULE (LC-52LE700UN)					
1	DLCUCA004FM01	FL	N	X	52" FHD LCD Panel Module Unit
1-1	PRDARA790WJZZ	BK	N	X	Back Light Chassis
1-2	LHLDWA284WJKZ	AB	N	X	Bush Base
1-3	RUNTK4225TPZA	CS	N	X	LCD Control Unit
1-4	XHPS730P06WS0	AA		J	Screw, x6
1-5	QCNW-H089WJQZ	AG	N	X	Connecting Cord, x2
1-6	RCORFA061WJZZ	AG		J	Ferrite Core, x2
1-7	QCNW-J649WJQZ	AZ	N	X	Wire Harness
1-8	CHLDWA285WJ01	AC	N	X	Bush Cap Unit
1-9	LHLDWA280WJKZ	AC		X	Wire Holder, x3
1-10	RUNTKA596WJ01	AY	N	X	LED6 PWB1 Unit, x6
1-11	RUNTKA596WJ02	AY	N	X	LED6 PWB2 Unit, x6
1-12	RUNTKA598WJ01	BA	N	X	LED8 PWB1 Unit, x12
1-13	RUNTKA598WJ02	BA	N	X	LED8 PWB2 Unit, x12
1-14	QCNCWA958WJZZ	AD	N	X	Terminator, x12
1-15	LHLDZB497WJKZ	AB	N	X	Push Rivet, x115
1-16	PMIR-A257WJZZ	AZ	N	X	Reflection Sheet
1-17	LHLDZB496WJKZ	AB	N	X	Support Pin, x11
1-18	PCOVUA187WJZZ	BD	N	X	Diffusion Plate
1-19	PSHEPA967WJZZ	BC	N	X	Lens Sheet, x2
1-20	CHLDZB505WJ01	AT	N	X	Panel Chassis Ass'y (Top)
1-21	CHLDZB506WJ01	AT	N	X	Panel Chassis Ass'y (Bottom)
1-22	CHLDZB507WJ01	AN	N	X	Panel Chassis Ass'y (L)
1-23	CHLDZB508WJ01	AN	N	X	Panel Chassis Ass'y (R)
1-24	R1LK520D3FZL0Z	EH	N	X	52" LCD Panel Unit
1-25	LHLDZB194WJKZ	AC	N	X	Clip, x6
1-26	CANGKC329WJ01	AR	N	X	Bezel Ass'y (Top)
1-27	CANGKC330WJ01	AT	N	X	Bezel Ass'y (Bottom)
1-28	CANGKC331WJ01	AQ	N	X	Bezel Ass'y (L)
1-29	CANGKC332WJ01	AQ	N	X	Bezel Ass'y (R)
1-30	LX-EZA028WJF9	AB		J	Screw, x16
1-31	LX-HZA039WJF7	AB		J	Screw, x12
1-32	TLABN2229TPZZ	AA		J	Bar Code Label

[15] SUPPLIED ACCESSORIES



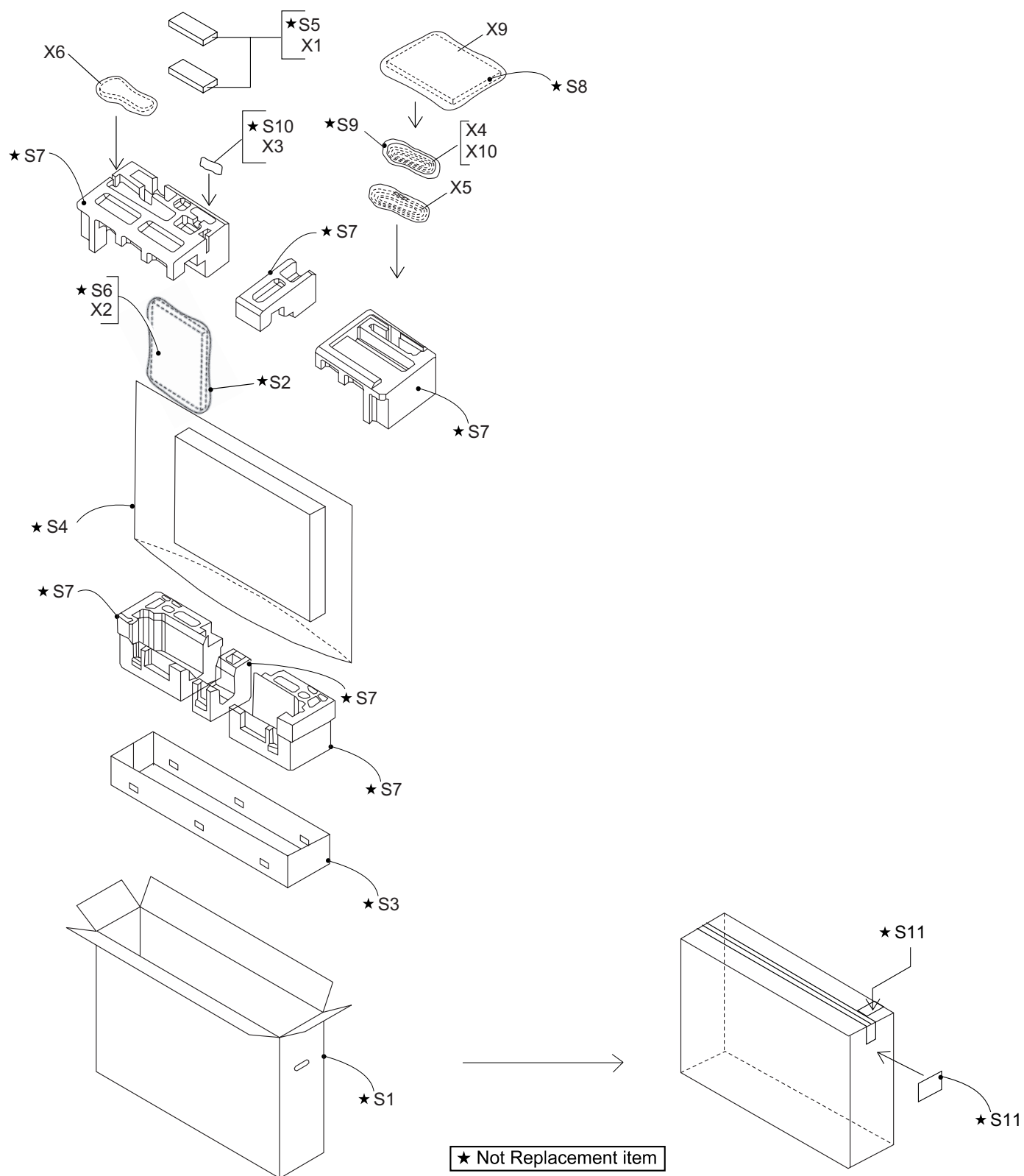
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[15] SUPPLIED ACCESSORIES					
X1	CANGFA674WJ01	AK	N	X	Stand Support (LC-32LE700UN)
X1	CANGFA675WJ01	AK	N	X	Stand Support (LC-40/46/52LE700UN)
X2	CDAi-A578WJ01	BC	N	X	Stand Unit (LC-32LE700UN)
X2	CDAi-A579WJ01	BE	N	X	Stand Unit (LC-40LE700UN)
X2	CDAi-A580WJ01	BG	N	X	Stand Unit (LC-46/52LE700UN)
X3	CSAKHA036WJ01	AG	N	X	Screw Ass'y
X4	LHLDWA173WJKZ	AE		J	Cable Clamp
X5	QACDA066WJPZ	AP	N	X	AC Cord
X6	RRMCGA759WJSA	AX	N	X	Remote Control Unit (LC-32LE700UN)
X6	RRMCGA806WJSA	AX	N	X	Remote Control Unit (LC-40/46/52LE700UN)
X7	TCADEA243WJZZ	AD		X	Enquete Card
X8	TGAN-A845WJN1	AD		X	Extend Warranty
X9	TiNS-E263WJZZ	AP	N	X	Operation Manual (LC-32LE700UN)
X9	TiNS-E262WJZZ	AR	N	X	Operation Manual (LC-40/46/52LE700UN)
X10	Not Available	-		-	"AAA" Size Battery

[16] PACKING PARTS (LC-32/40LE700UN) (NOT REPLACEMENT ITEM)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[16] PACKING PARTS (LC-32/40LE700UN) (NOT REPLACEMENT ITEM)					
S1	SPAKCF066WJZZ	-	N	-	Packing Case (LC-32LE700UN)
S1	SPAKCF067WJZZ	-	N	-	Packing Case (LC-40LE700UN)
S2	SPAKAA521WJZZ	-	N	-	Cover Sheet (LC-32LE700UN)
S2	SPAKAA520WJZZ	-	N	-	Cover Sheet (LC-40LE700UN)
S3	SPAKPB045WJZZ	-	-	-	Wrapping Paper (LC-32LE700UN)
S3	SPAKPB219WJZZ	-	-	-	Wrapping Paper (LC-40LE700UN)
S4	SPAKPB423WJZZ	-	N	-	Mirror Mat Sup
S5	SPAKPB385WJZZ	-	N	-	Mirror Mat Base (LC-32LE700UN)
S5	SPAKPB422WJZZ	-	N	-	Mirror Mat Base (LC-40LE700UN)
S6	SPAKXC630WJZZ	-	N	-	Packing Add (LC-32LE700UN)
S6	SPAKXC631WJZZ	-	N	-	Packing Add (LC-40LE700UN)
S7	SSAKA0101GJZZ	-	-	-	Polyethylene Bag
S8	SSAKAA032WJZZ	-	-	-	Polyethylene Bag
S9	SSAKHA036WJZZ	-	-	-	Polyethylene Bag For Screw
S10	TLABKA009WJZZ	-	-	-	Case No. Label

[17] PACKING PARTS (LC-46/52LE700UN) (NOT REPLACEMENT ITEM)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[17] PACKING PARTS (LC-46/52LE700UN) (NOT REPLACEMENT ITEM)					
S1	SPAKCF068WJZZ	-	N	-	Packing Case (LC-46LE700UN)
S1	SPAKCF083WJZZ	-	N	-	Packing Case (LC-52LE700UN)
S2	SPAKAA522WJZZ	-	N	-	Cover Sheet
S3	SPAKCF094WJZZ	-	N	-	Packing Case Bottom (LC-46LE700UN)
S3	SPAKCF084WJZZ	-	N	-	Packing Case Bottom (LC-52LE700UN)
S4	SPAKPA999WJZZ	-	-	-	Wrapping Paper (LC-46LE700UN)
S4	SPAKPA992WJZZ	-	-	-	Wrapping Paper (LC-52LE700UN)
S5	SPAKPB423WJZZ	-	N	-	Mirror Mat Sup
S6	SPAKPB425WJZZ	-	N	-	Mirror Mat Base
S7	SPAKXC632WJZZ	-	N	-	Packing Add (LC-46LE700UN)
S7	SPAKXC657WJZZ	-	N	-	Packing Add (LC-52LE700UN)
S8	SSAKA0101GJZZ	-	-	-	Polyethylene Bag
S9	SSAKAA032WJZZ	-	-	-	Polyethylene Bag
S10	SSAKHA036WJZZ	-	-	-	Polyethylene Bag For Screw
S11	TLABKA009WJZZ	-	-	-	Case No. Label
[18] SERVICE JIGS (USE FOR SERVICING)					
N	QCNW-C222WJQZ	AW		J	Connecting Cord (L=1000mm 80Pins) LCD Control - LCD Panel, x2
N	QCNW-H184WJQZ	AX		J	Connecting Cord (L=1000mm 12Pins) Main - Powr (PD)
N	QCNW-F676WJQZ	BH		J	Connecting Cord (L=1000mm 41Pins) Main - LCD Control (LW)
N	QCNW-G405WJQZ	AP		J	Connecting Cord (L=1000mm 4Pins) Main - LCD Control (PL)
N	QCNW-J279WJQZ	AY		J	Connecting Cord (L=1000mm 15Pins) Main - LCD Control (LP)
N	QCNW-E343WJQZ	AM		J	Connecting Cord (L=1000mm 3Pins) Power - LCD Control (LA)
N	QCNW-G394WJQZ	AV		J	Connecting Cord (L=1000mm 9Pins) Main - Power (LB)

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