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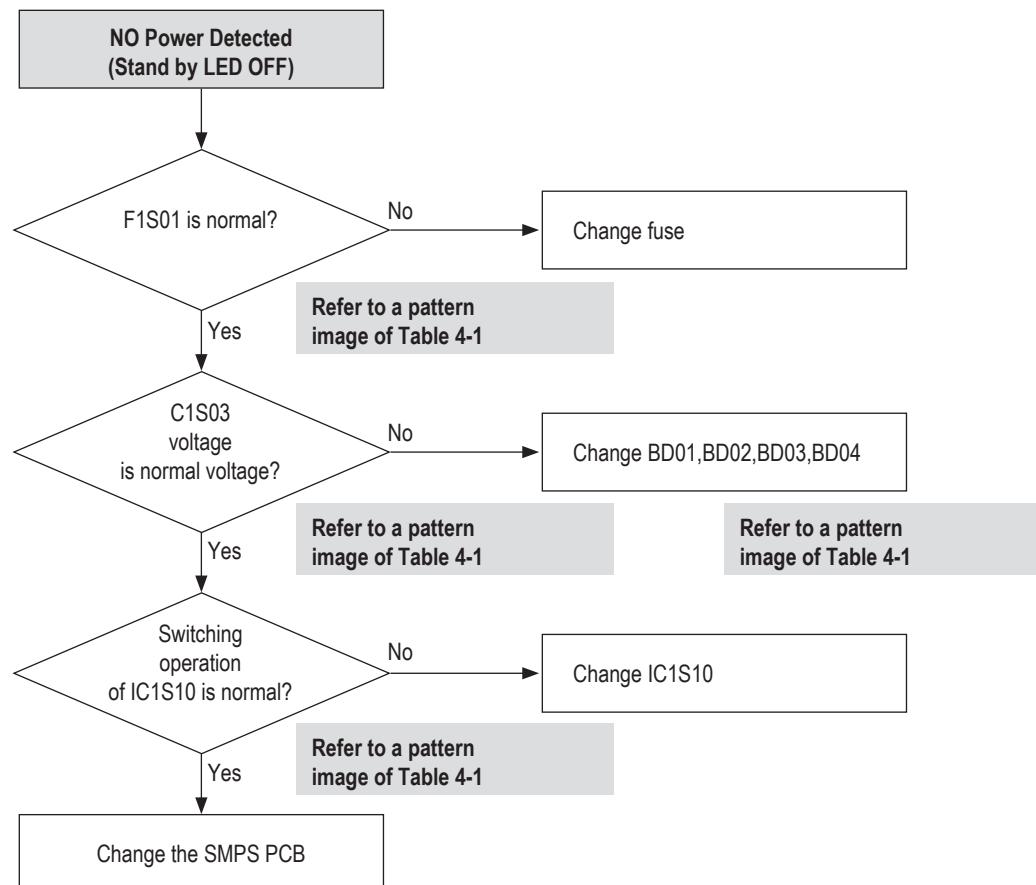
## **4. Trouble Shooting**

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**4-1 Trouble Shooting ----- 4-2**

**4-2 Software Update----- 4-27**

## 4-1 Trouble Shooting



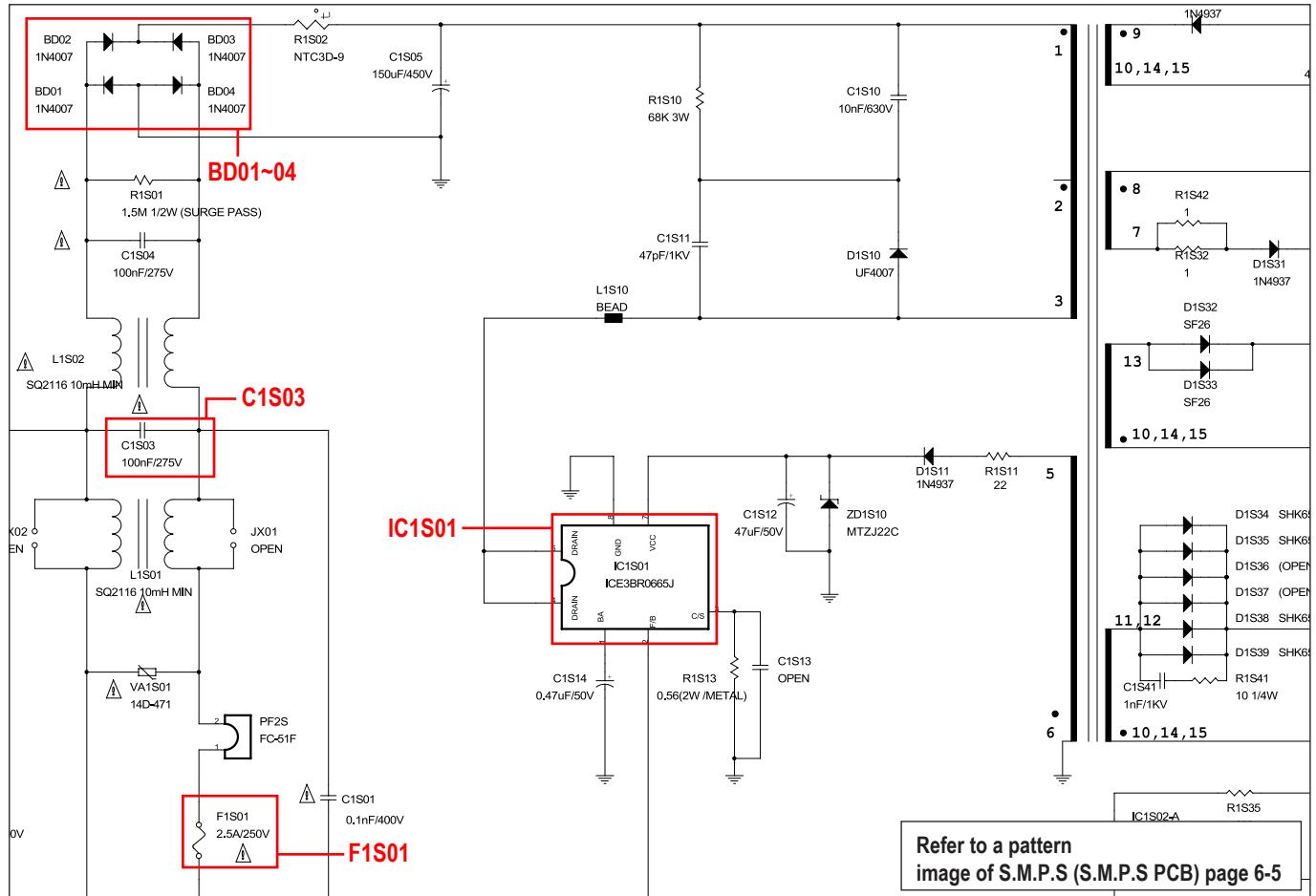
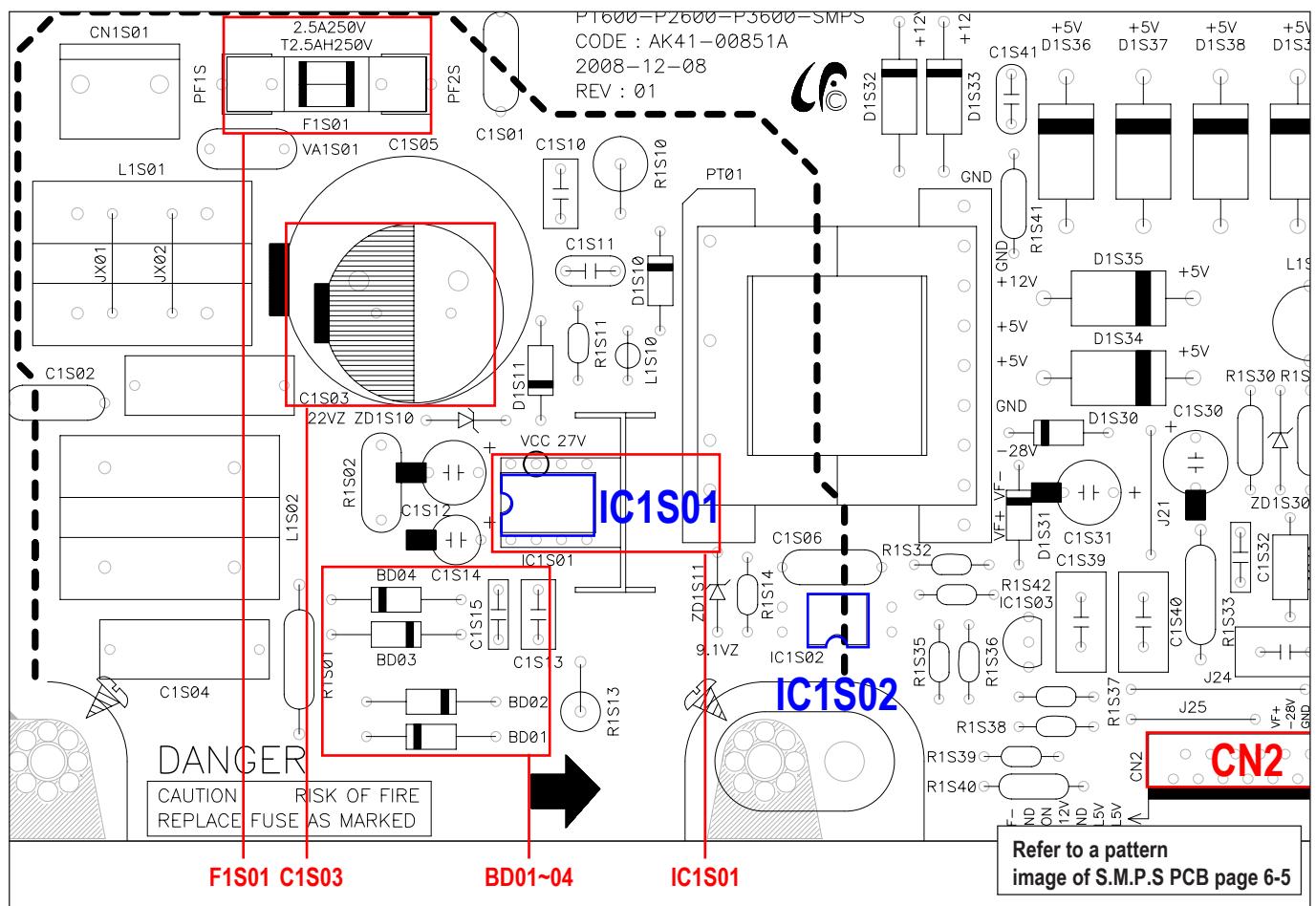
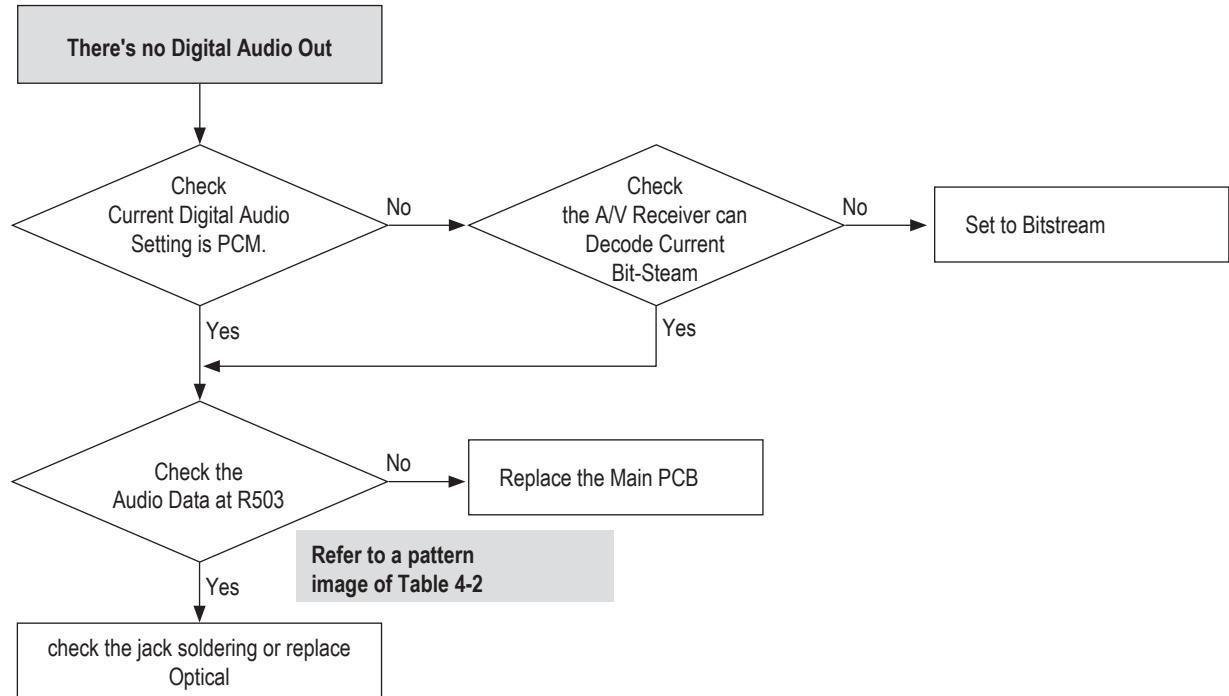


Fig. 4-1



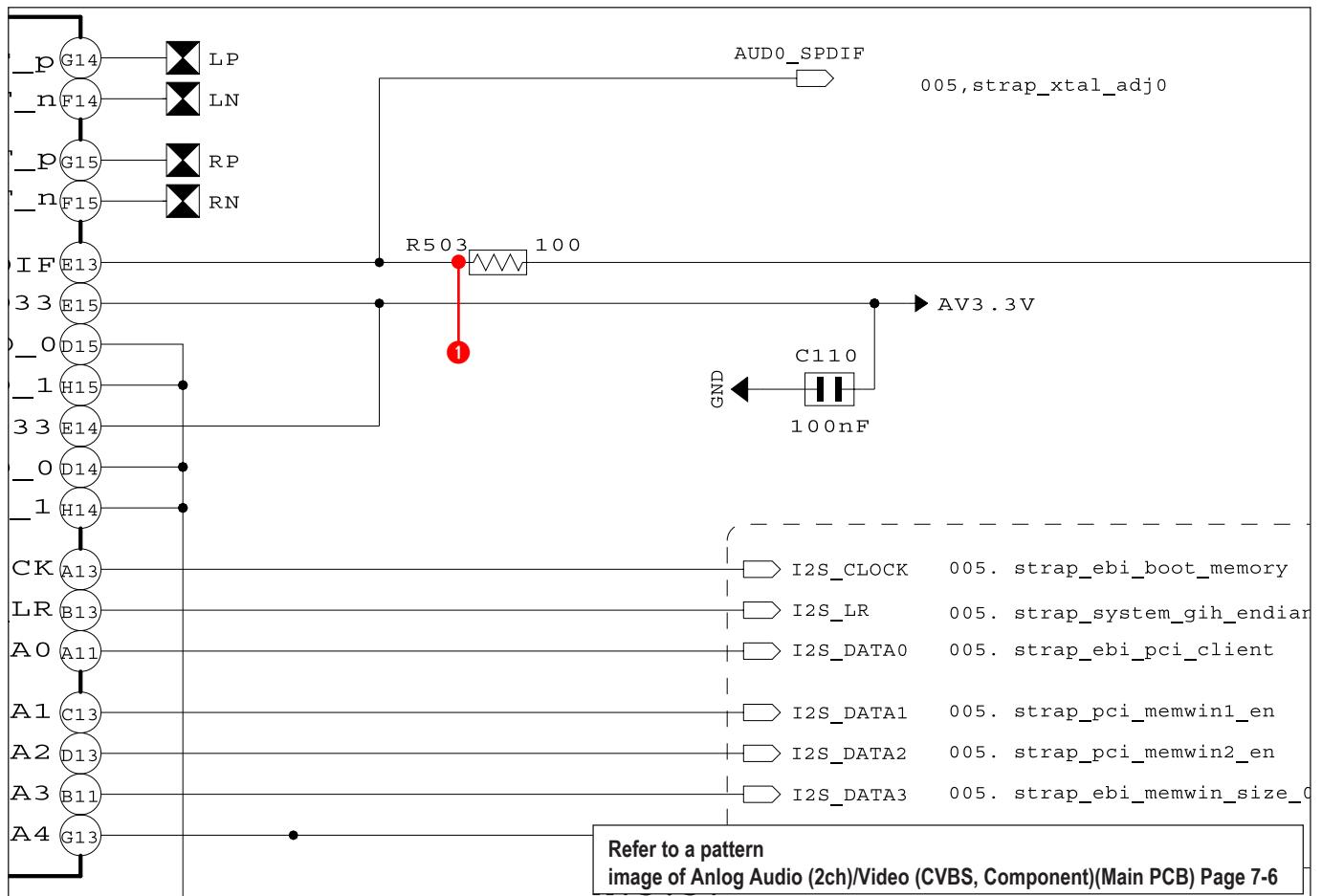
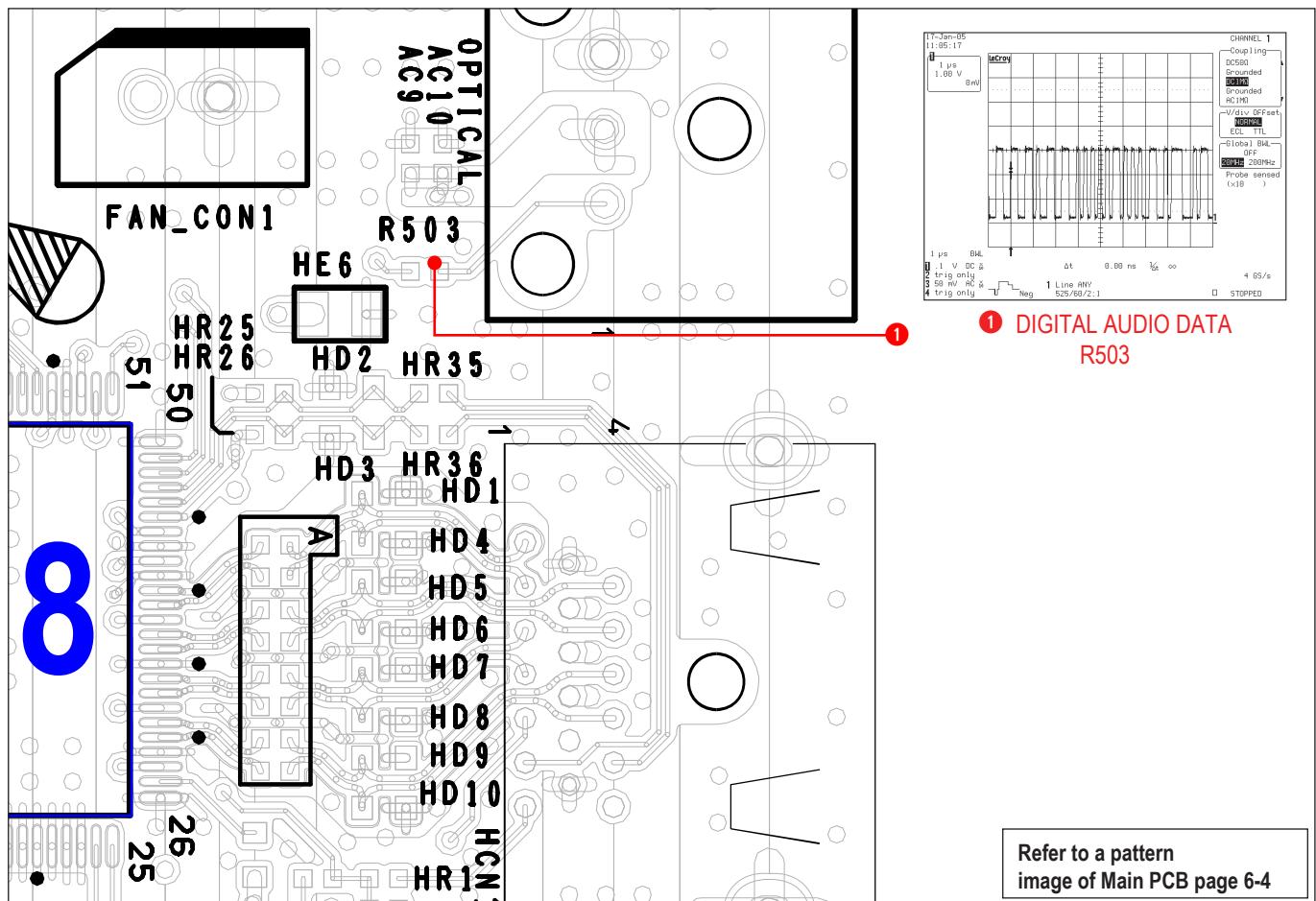
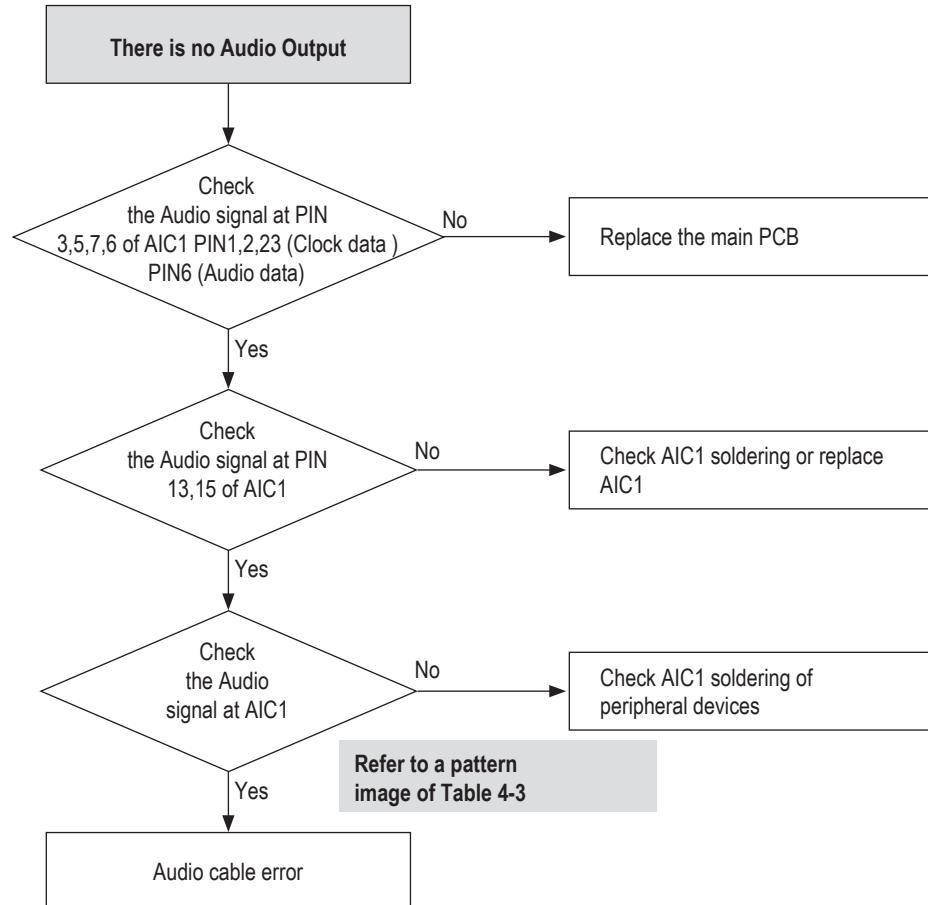


Fig. 4-2



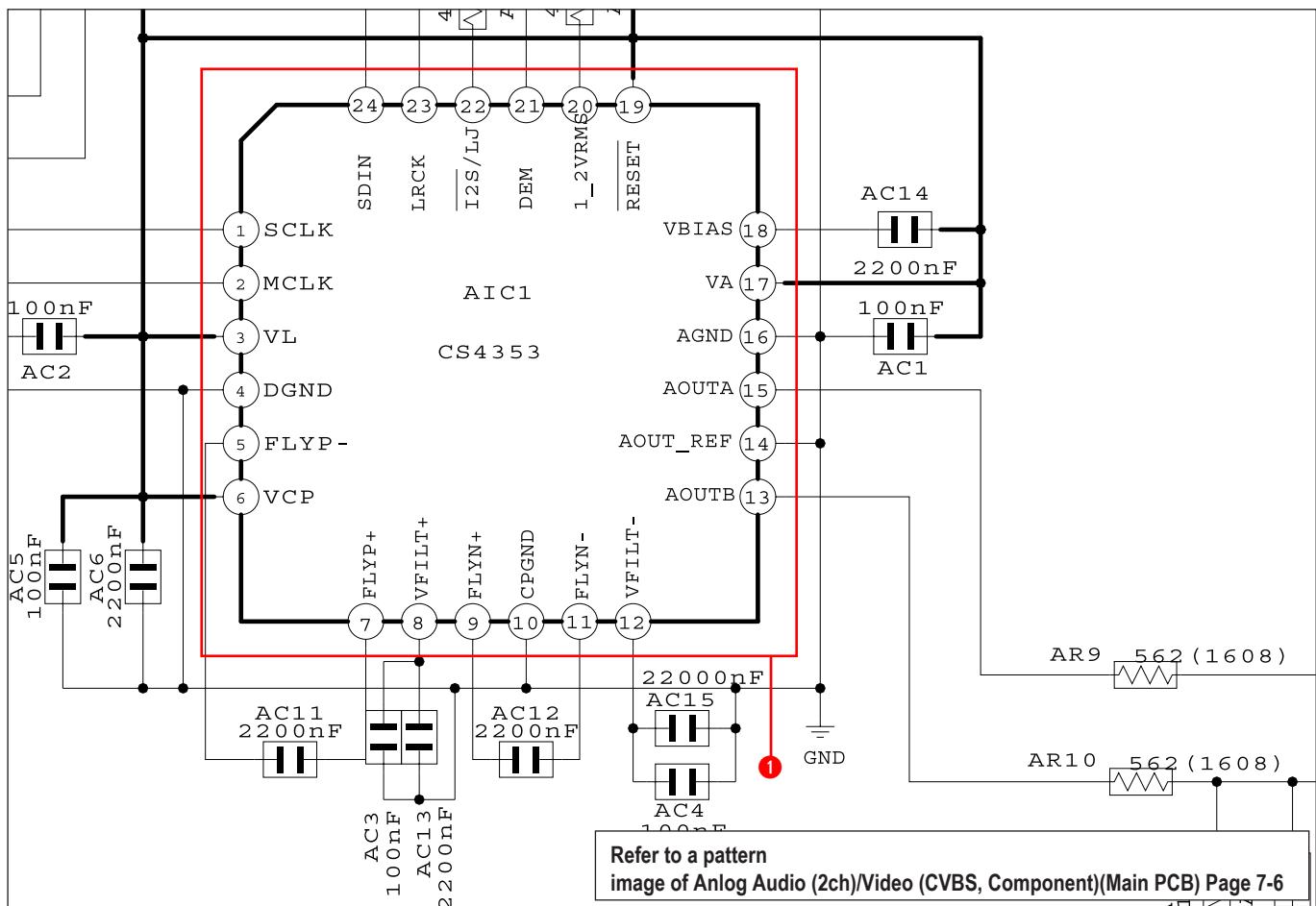
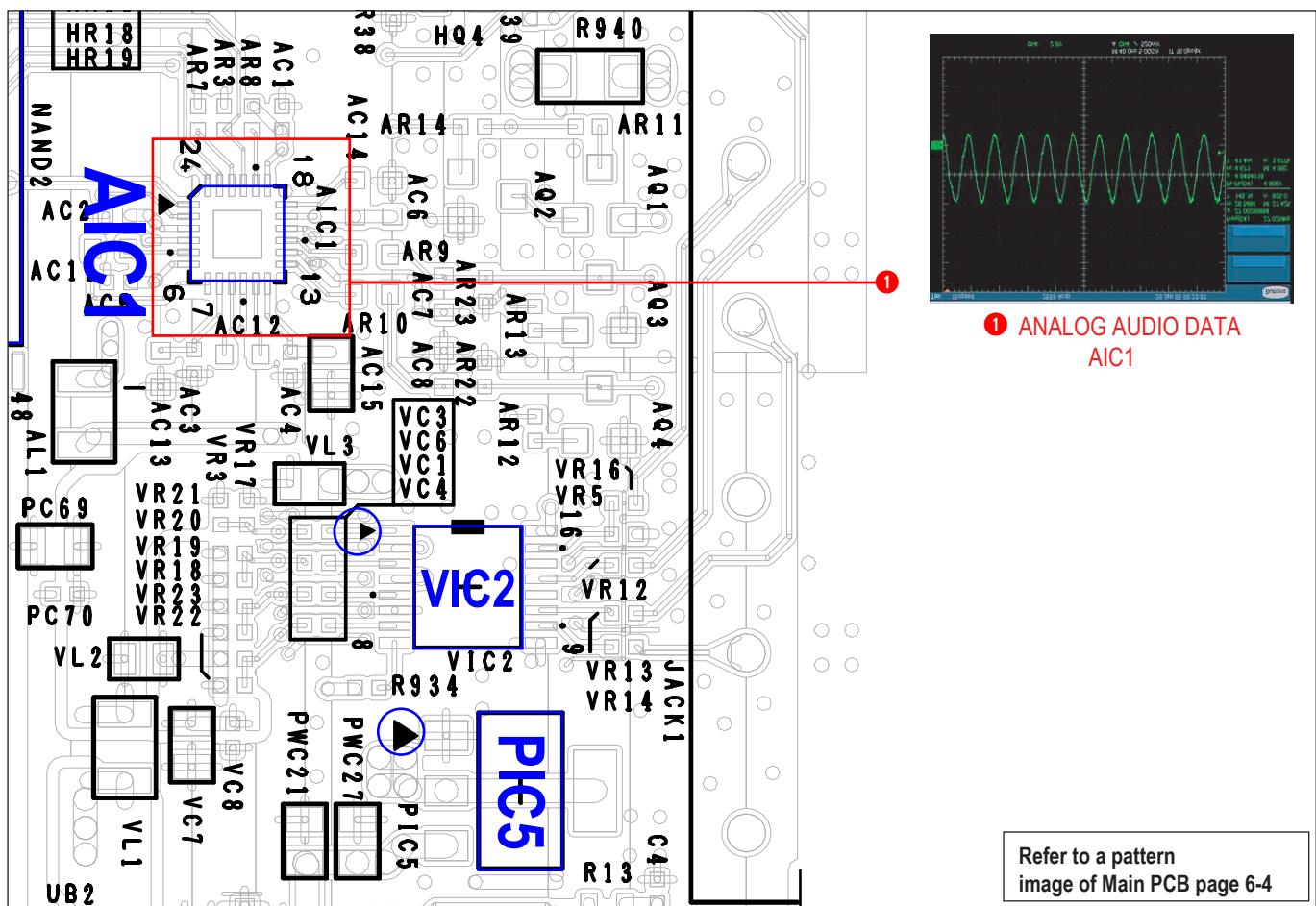
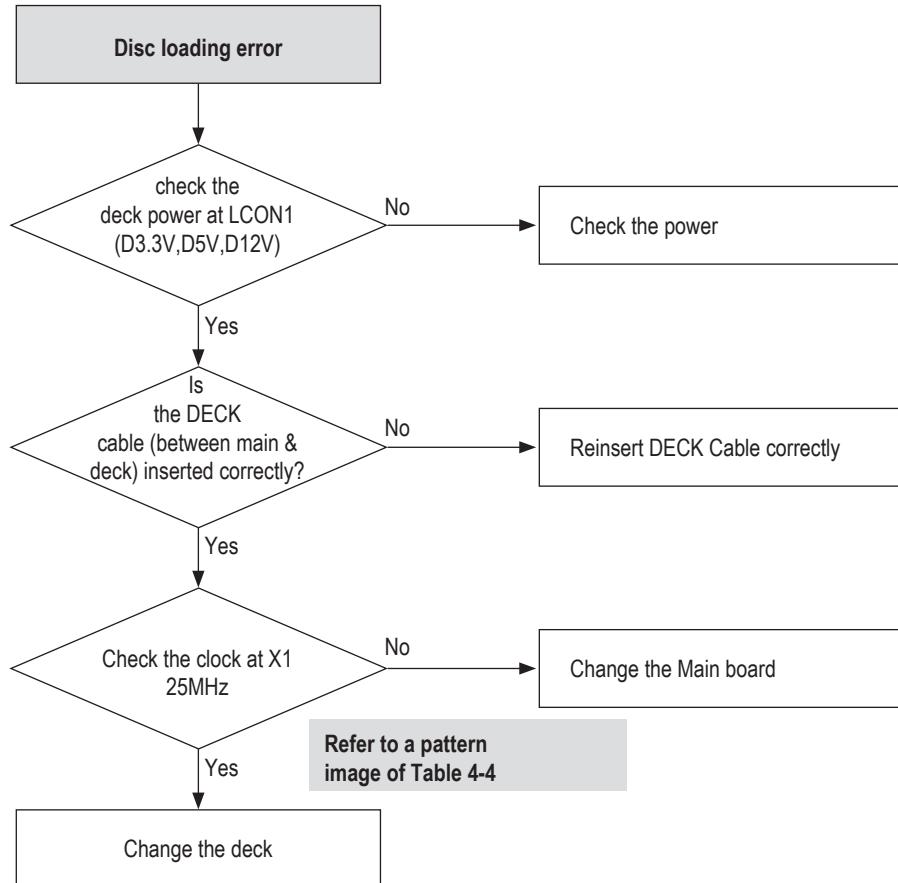


Fig. 4-3



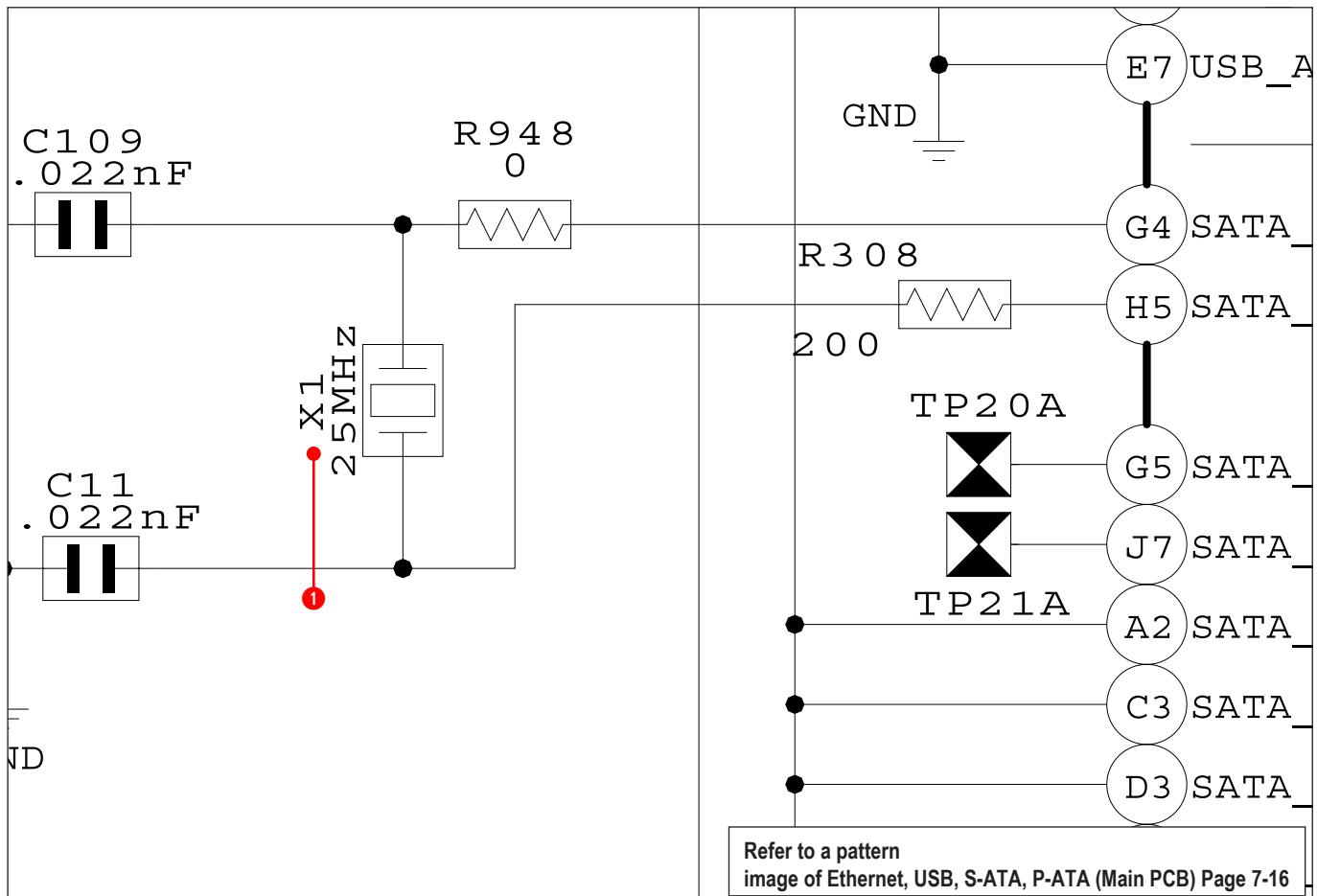
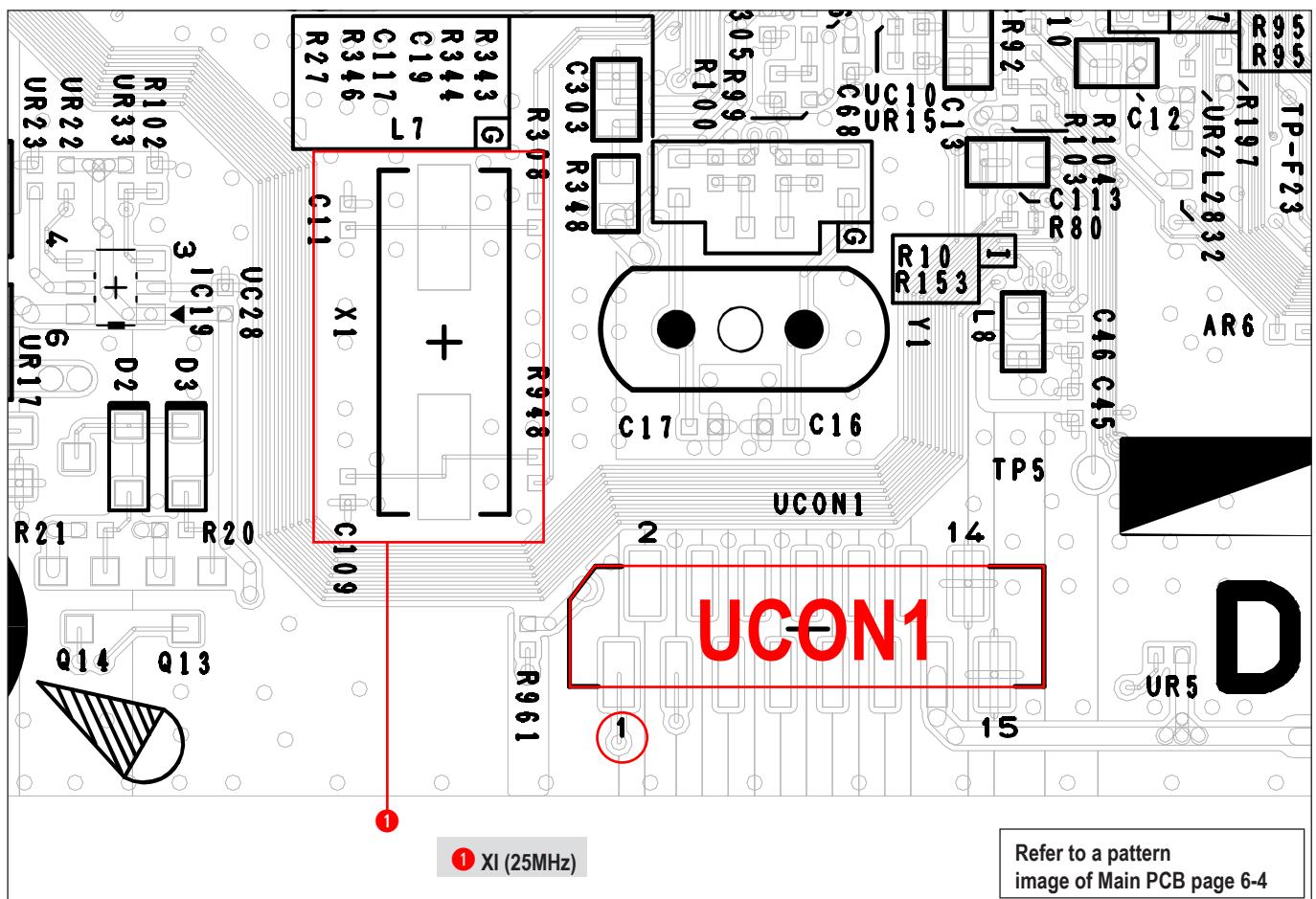
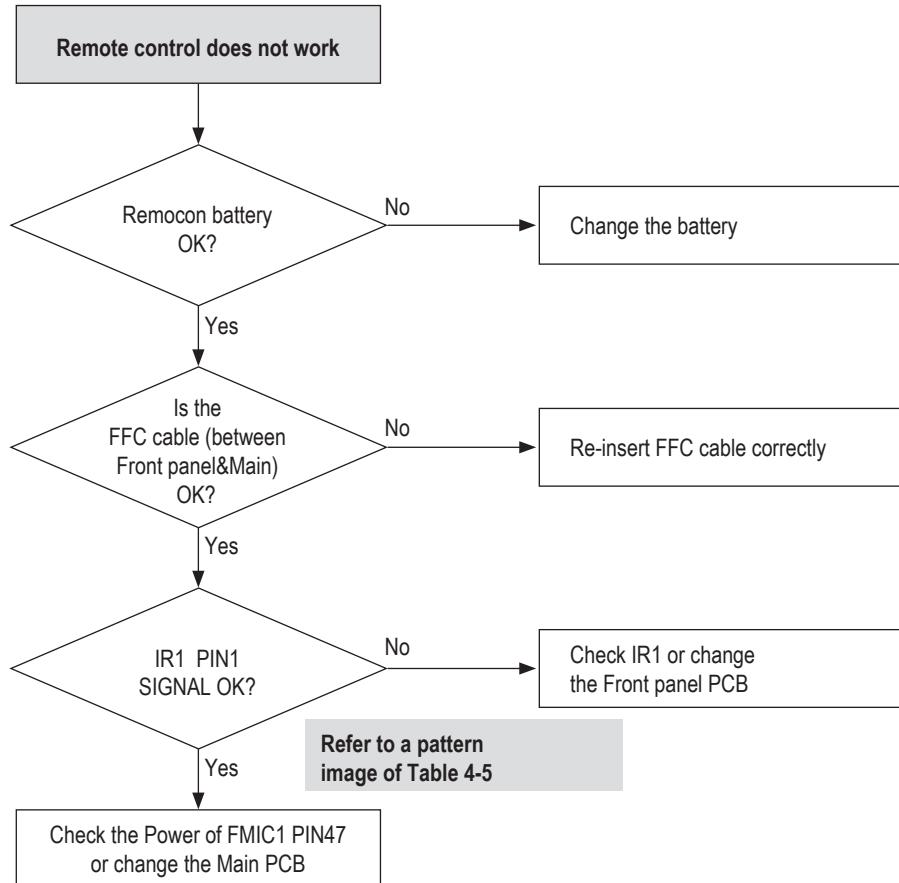


Fig. 4-4



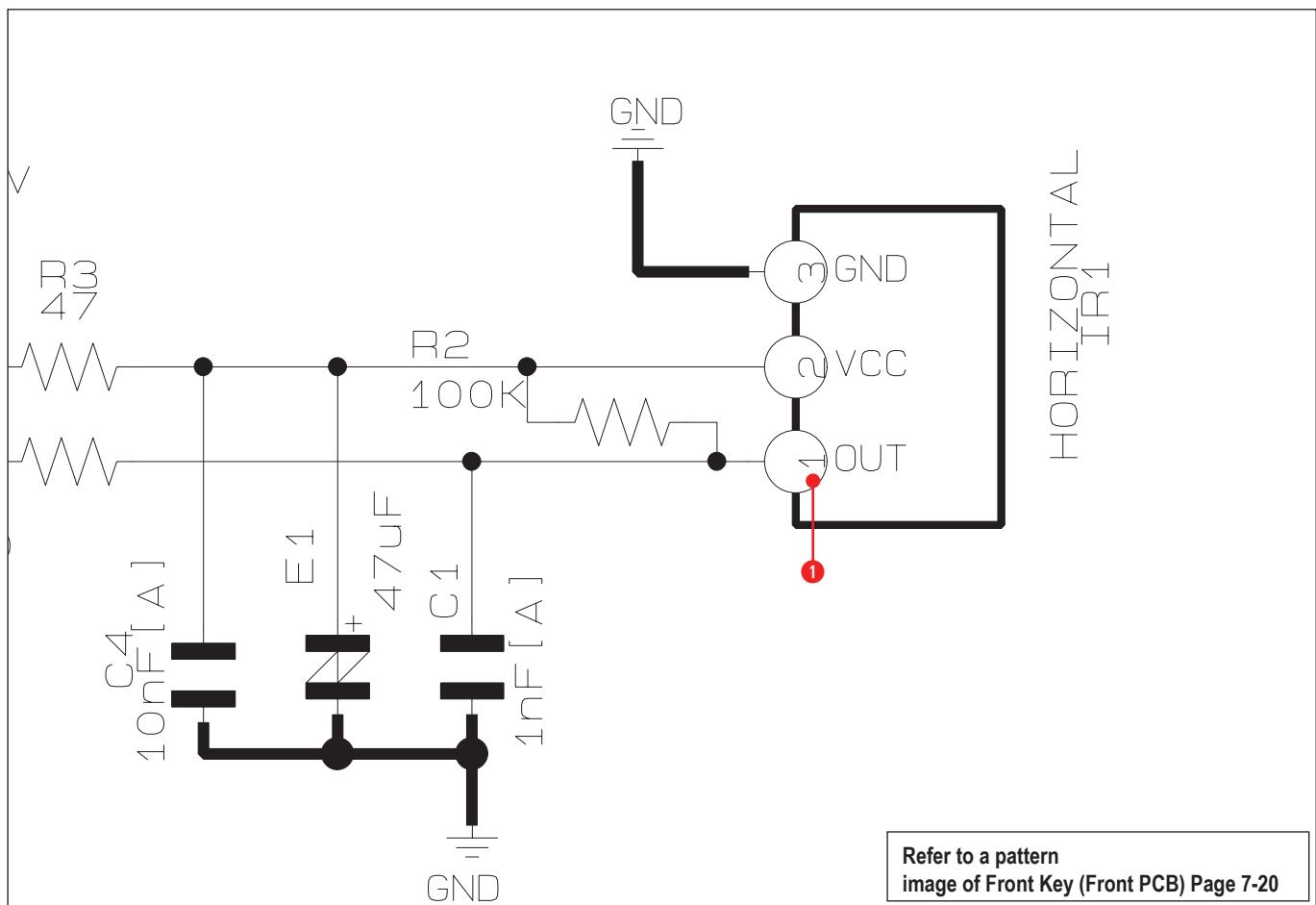
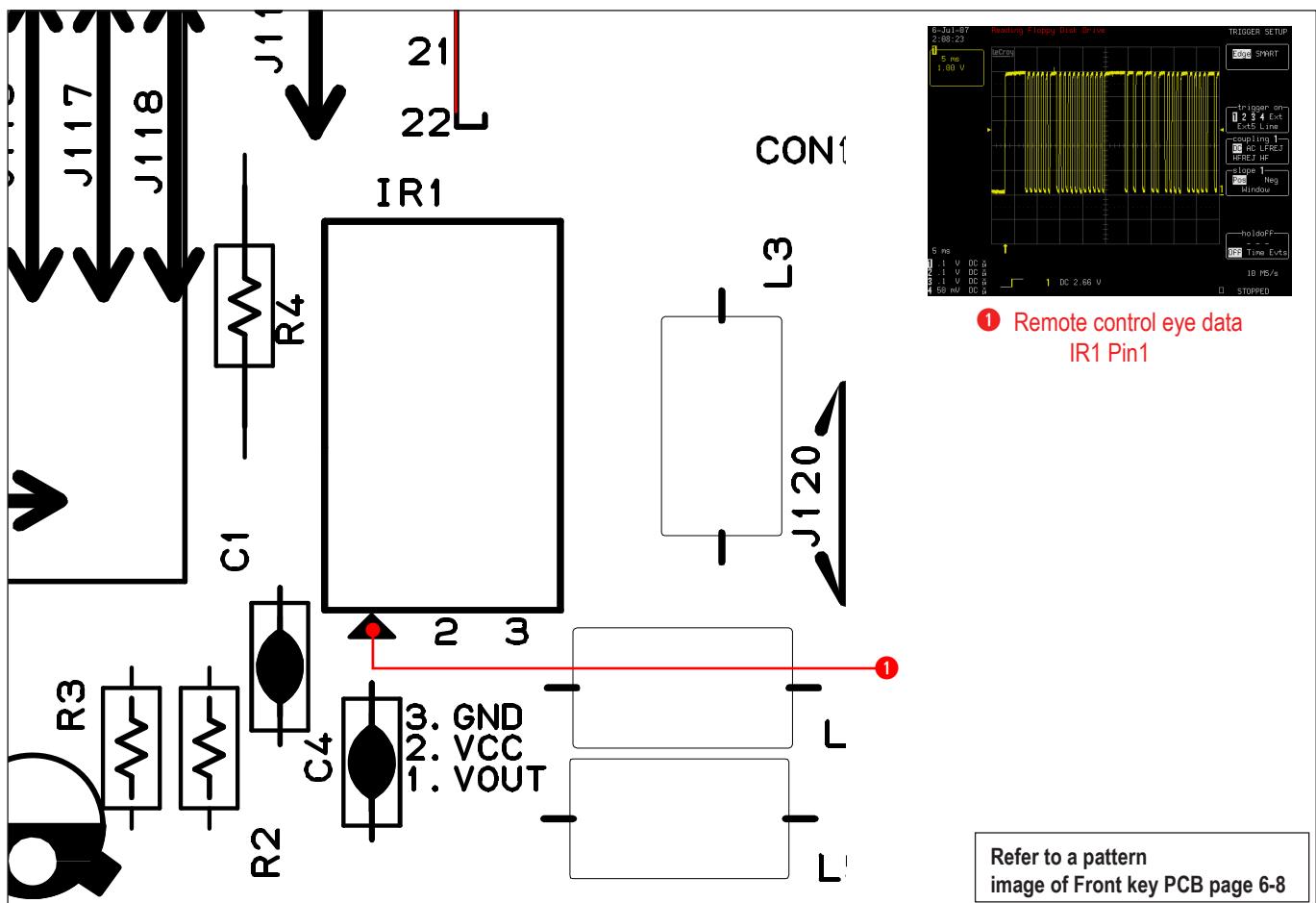
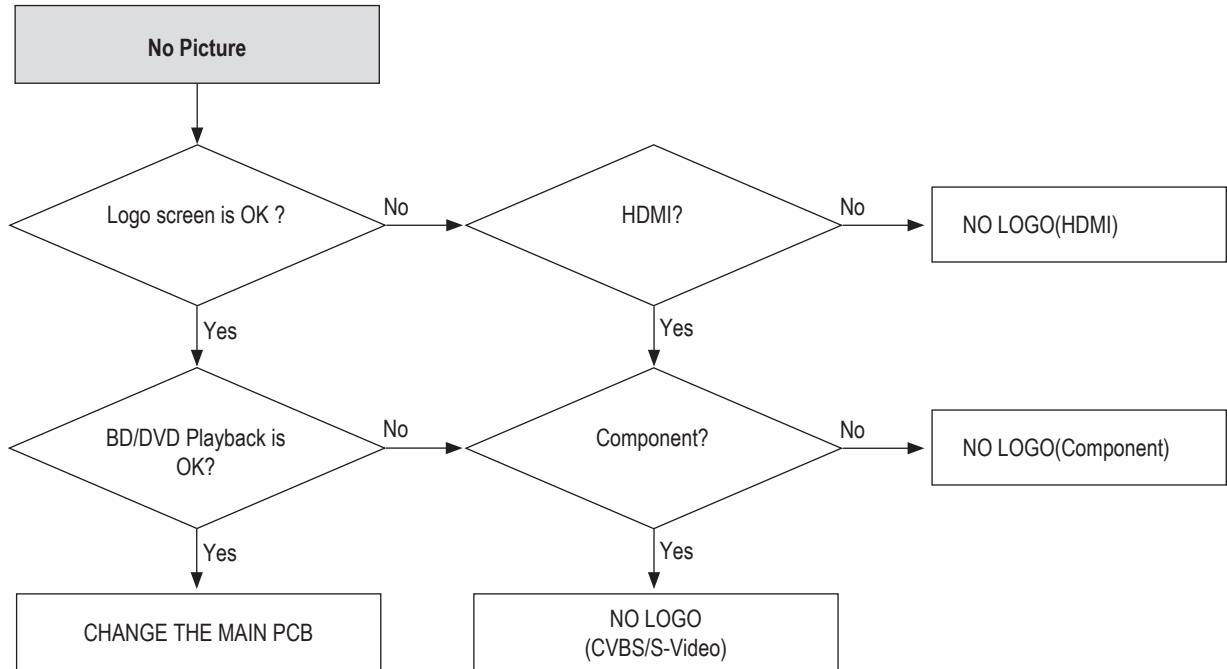
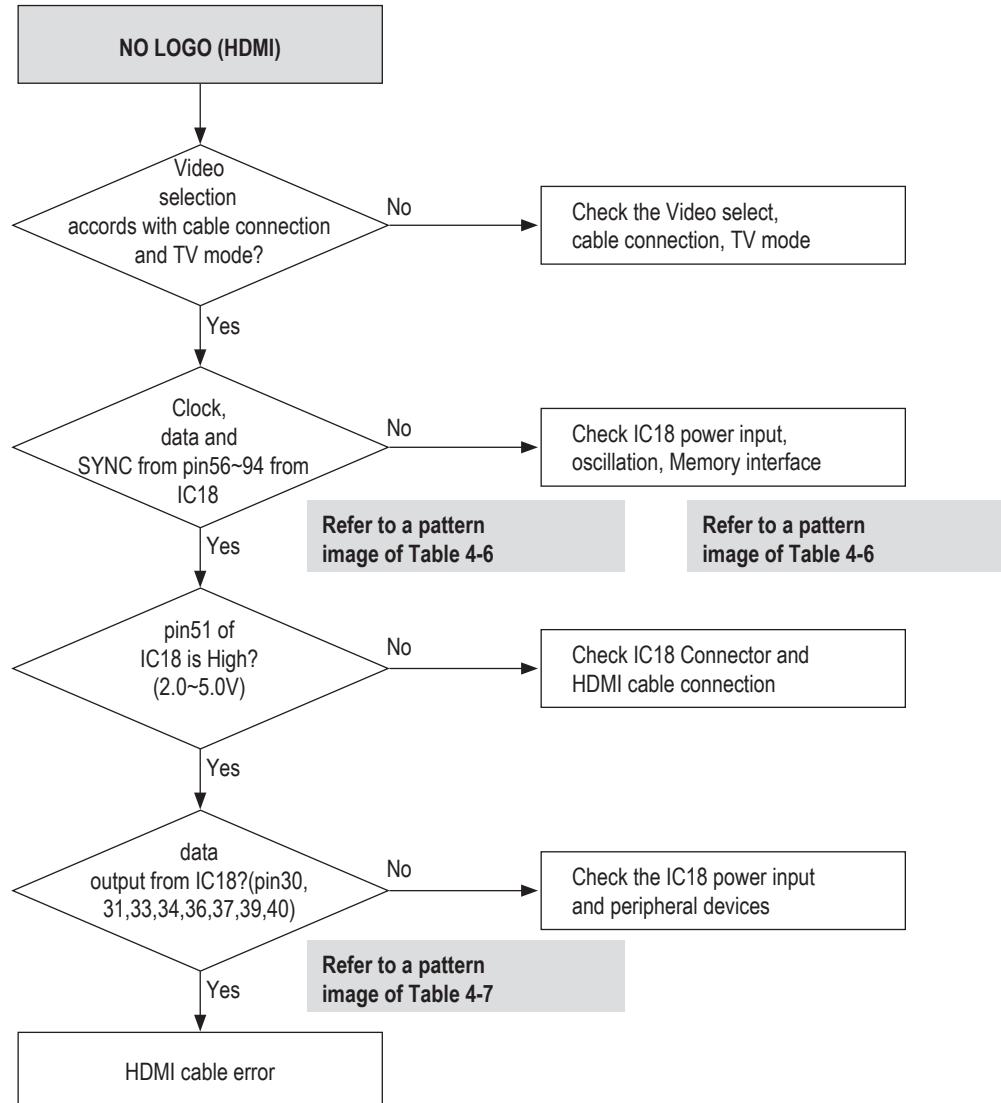


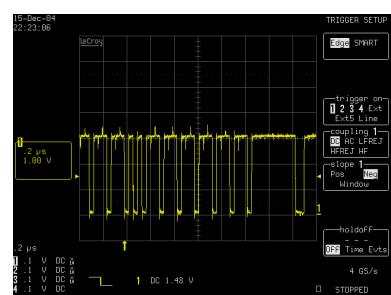
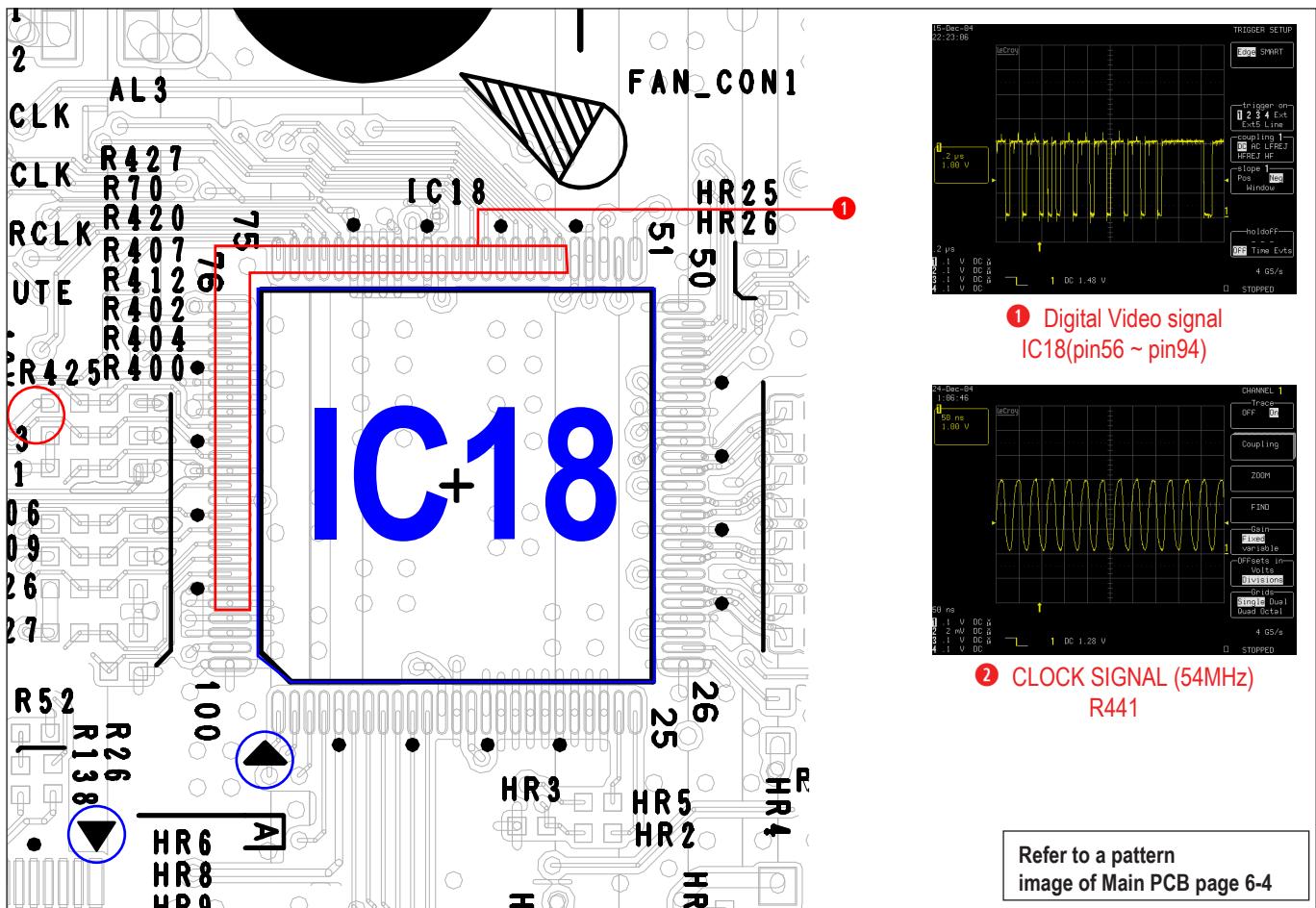
Fig. 4-5

## Trouble Shooting

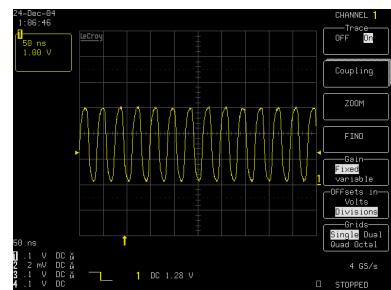




## Trouble Shooting



① Digital Video signal  
IC18(pin56 ~ pin94)



② CLOCK SIGNAL (54MHz)  
R441

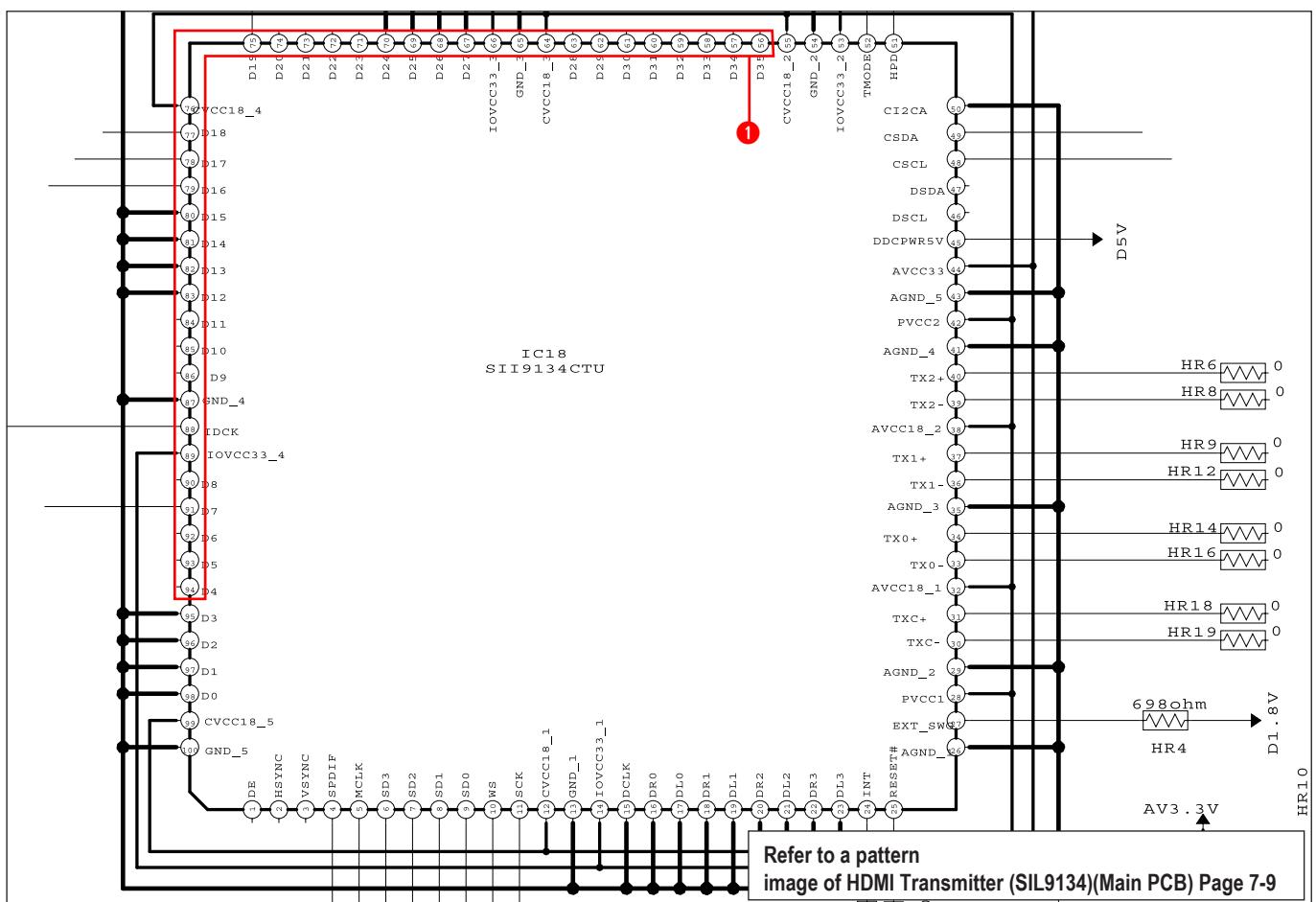


Fig. 4-6

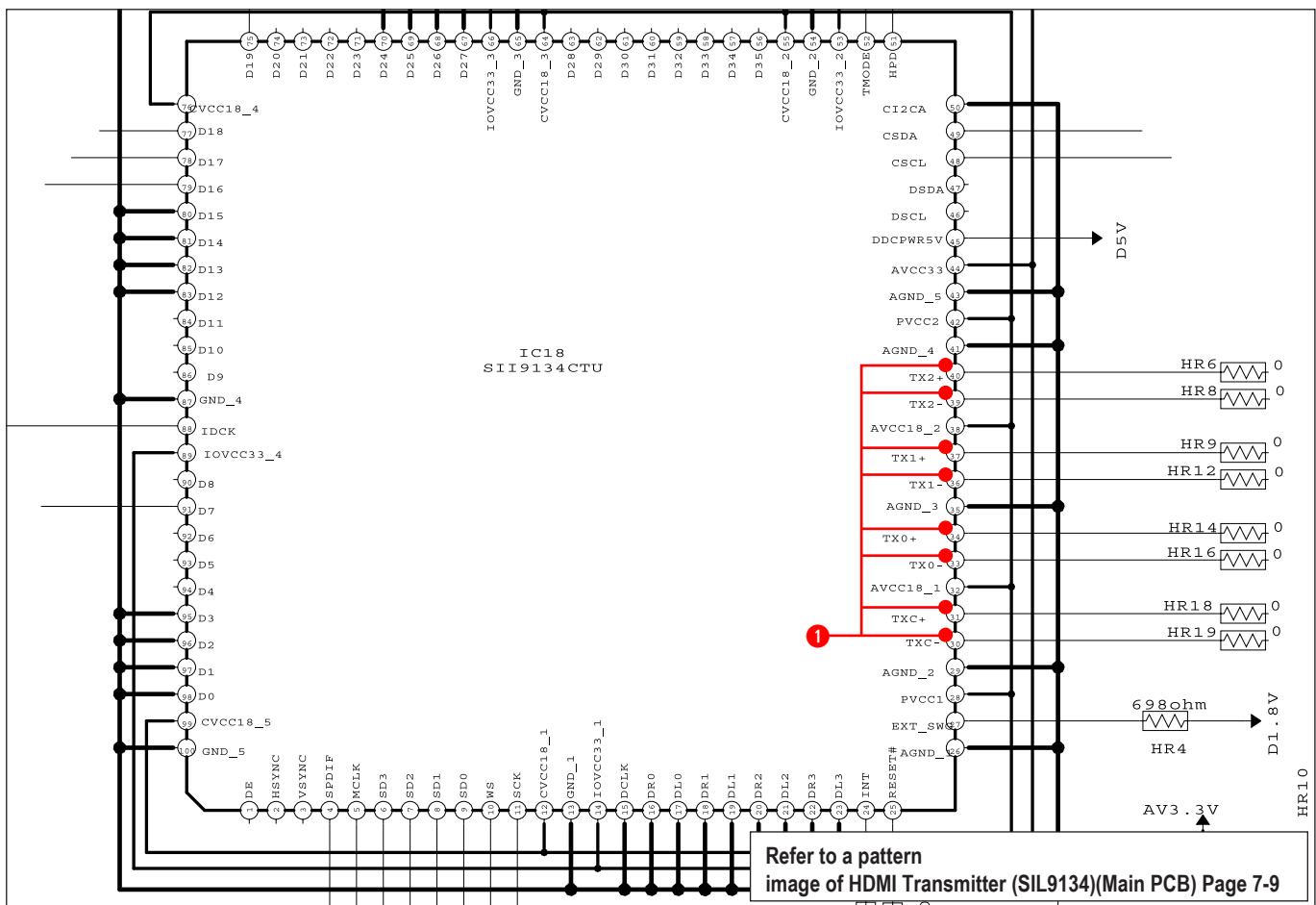
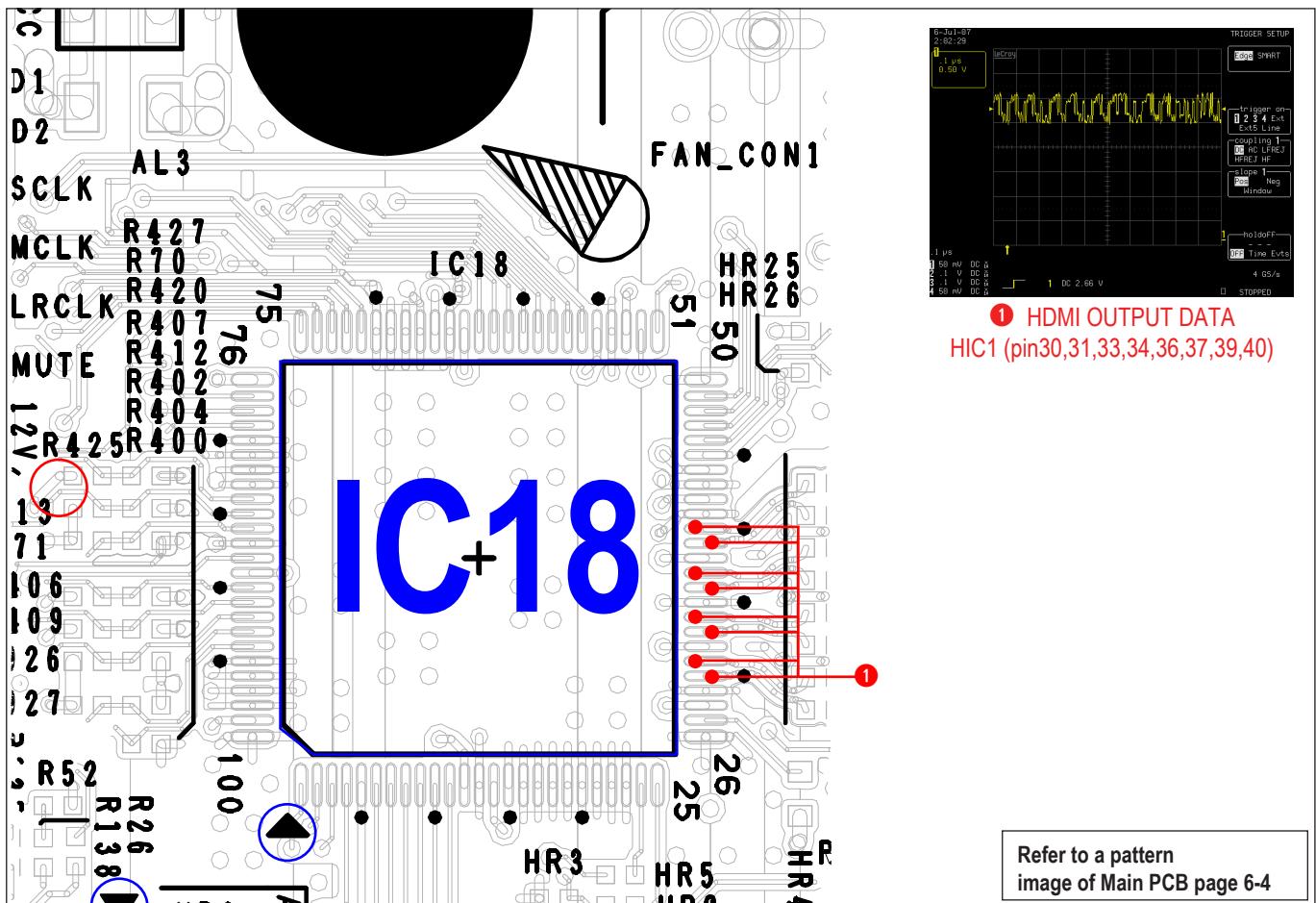
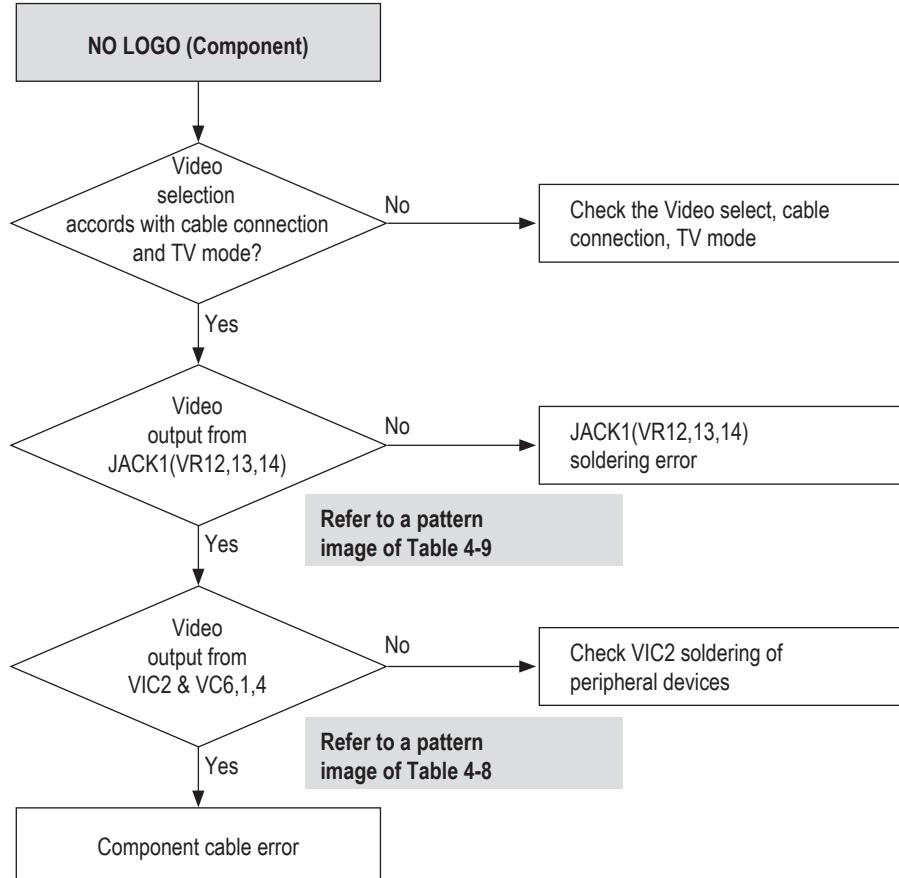


Fig. 4-7



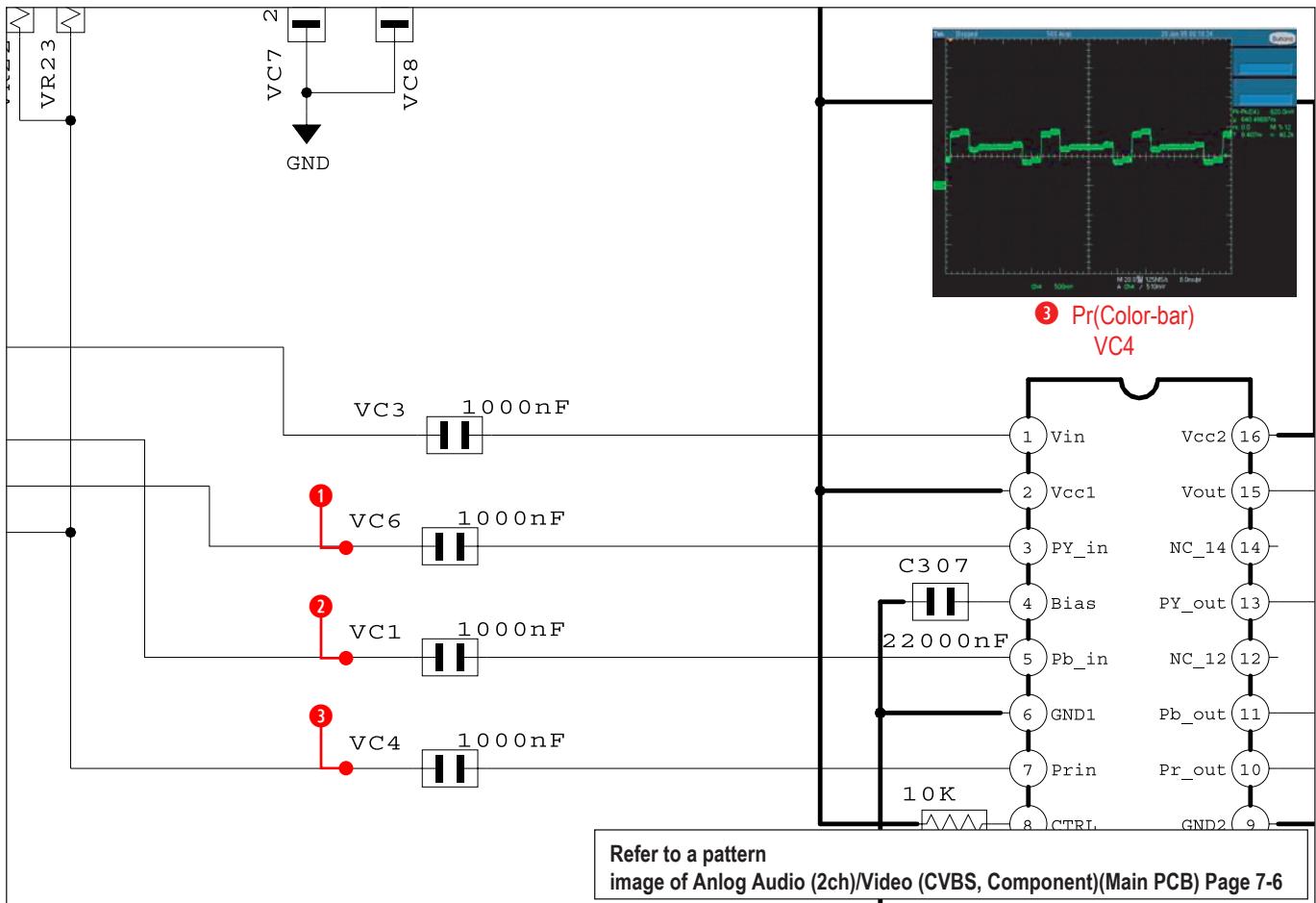
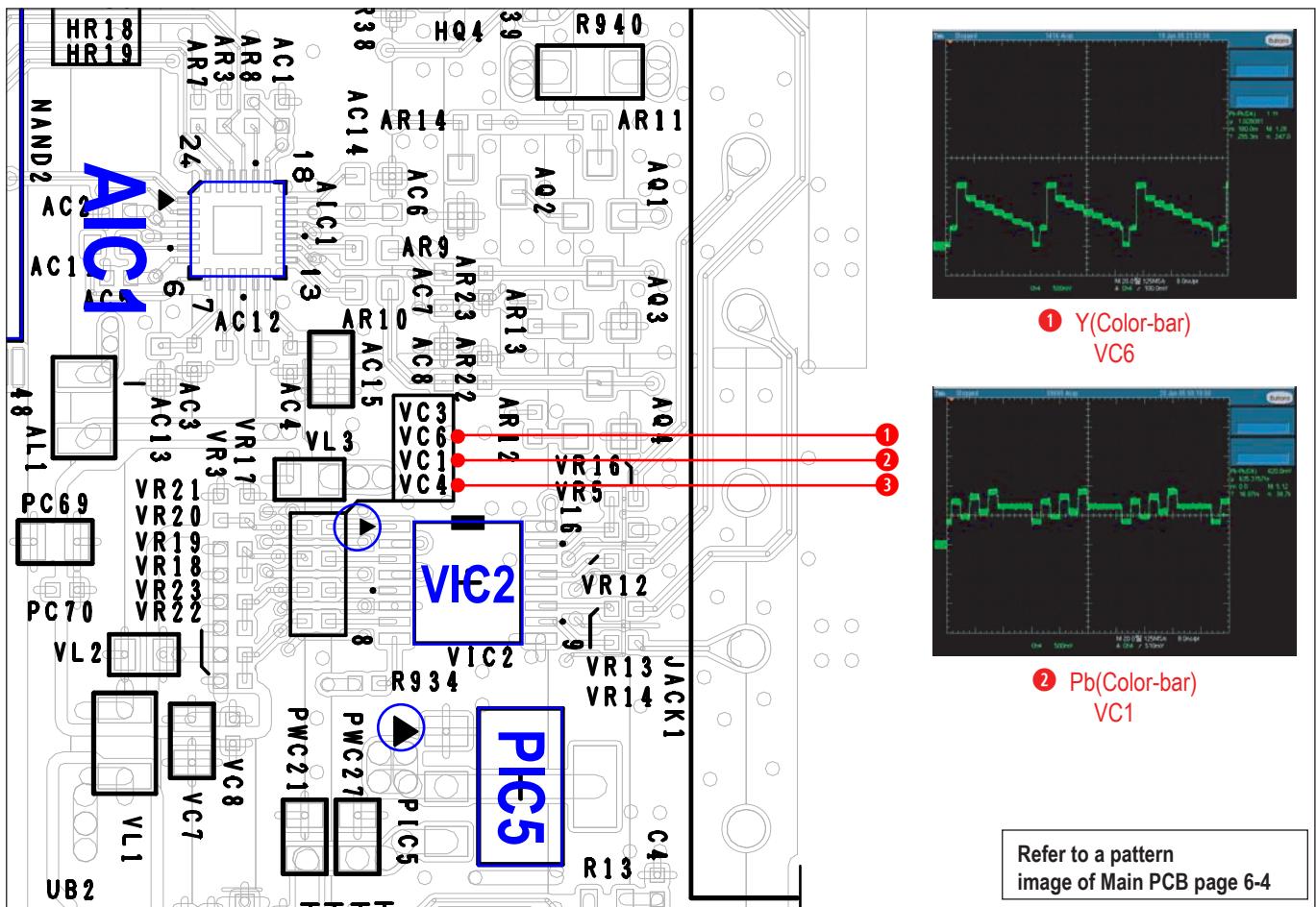


Fig. 4-8

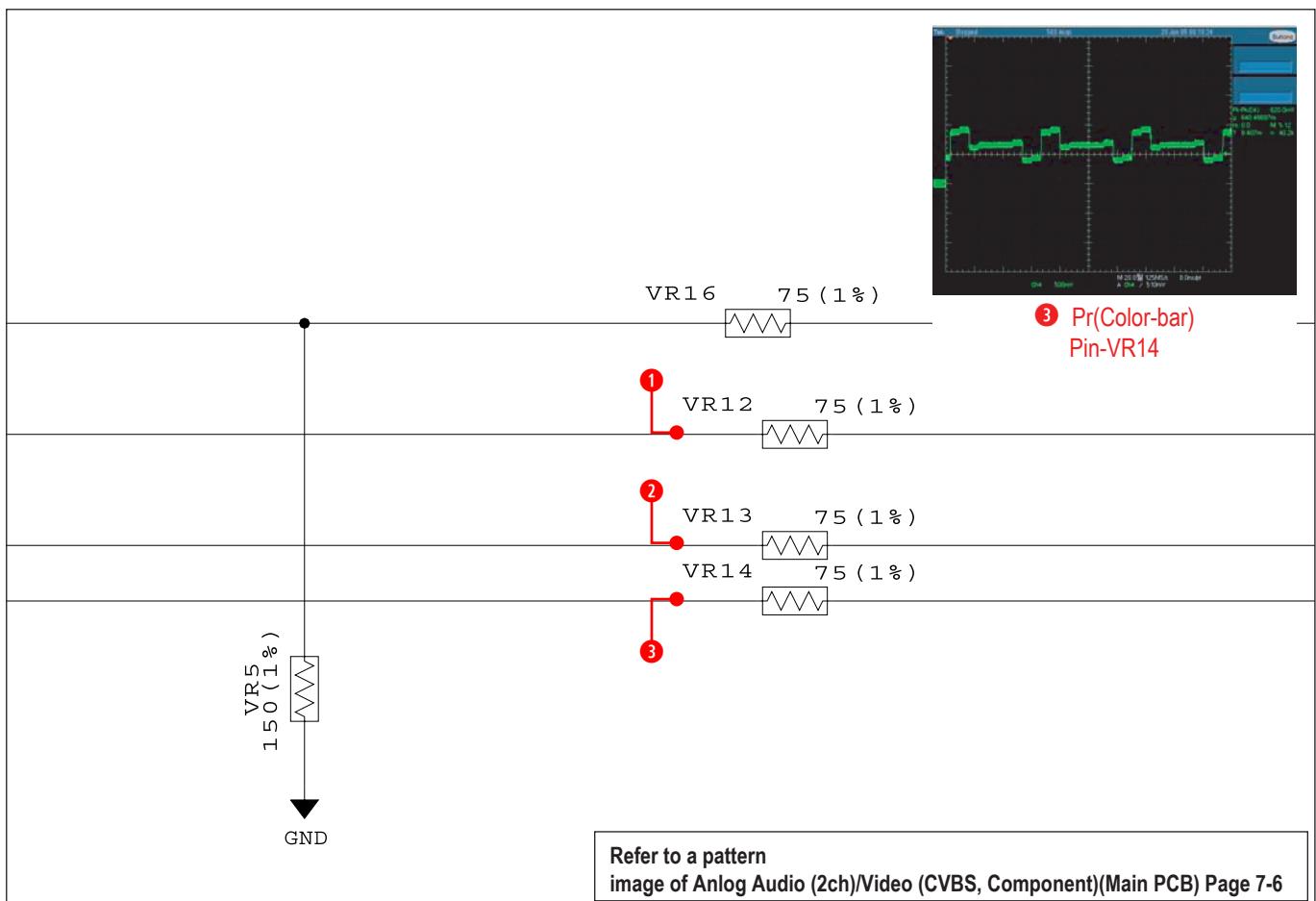
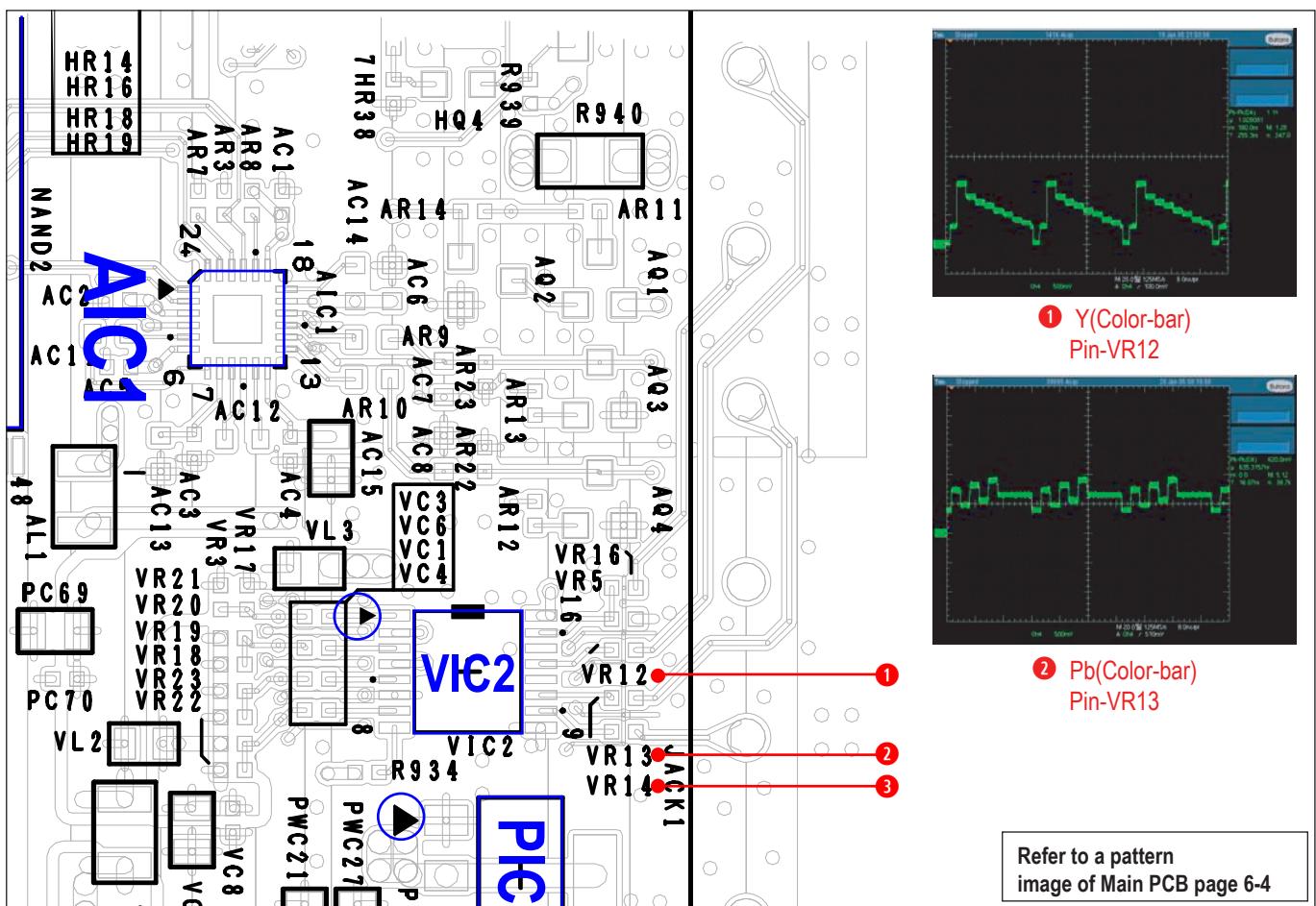
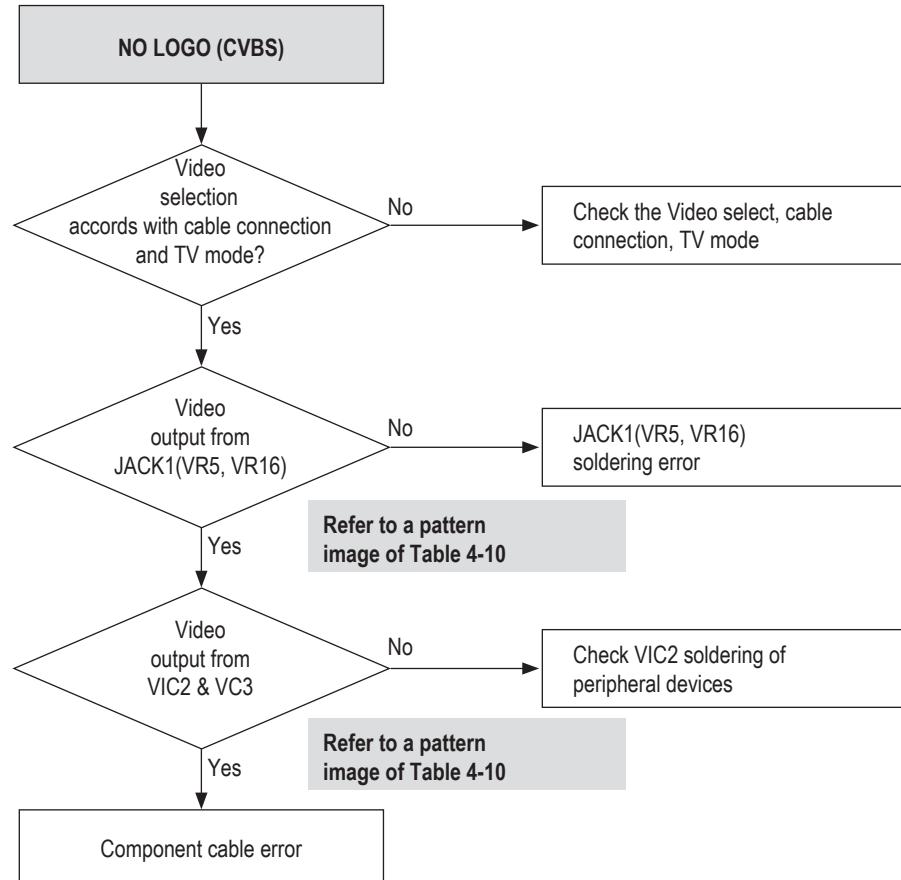


Fig. 4-9



## Trouble Shooting

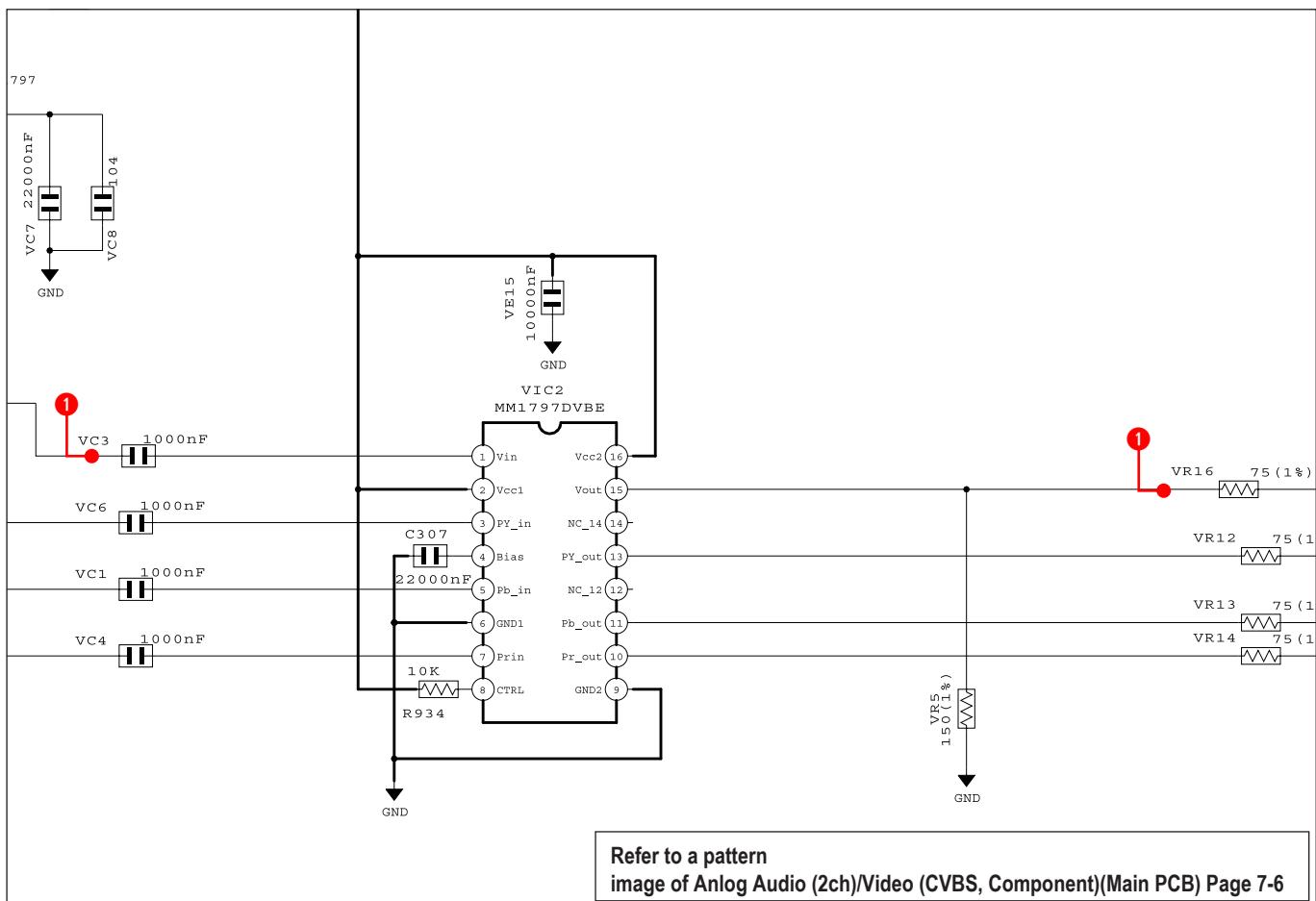
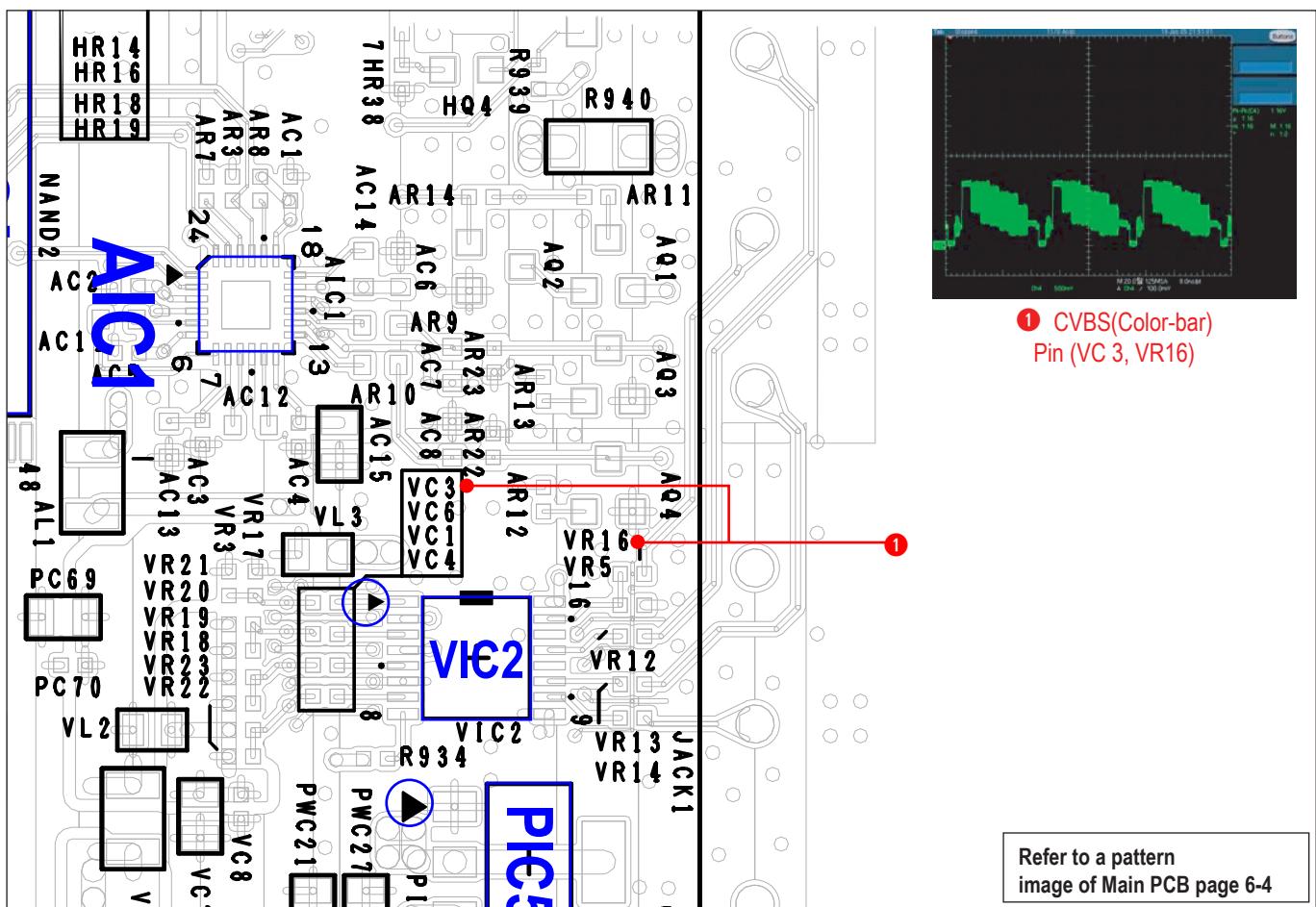
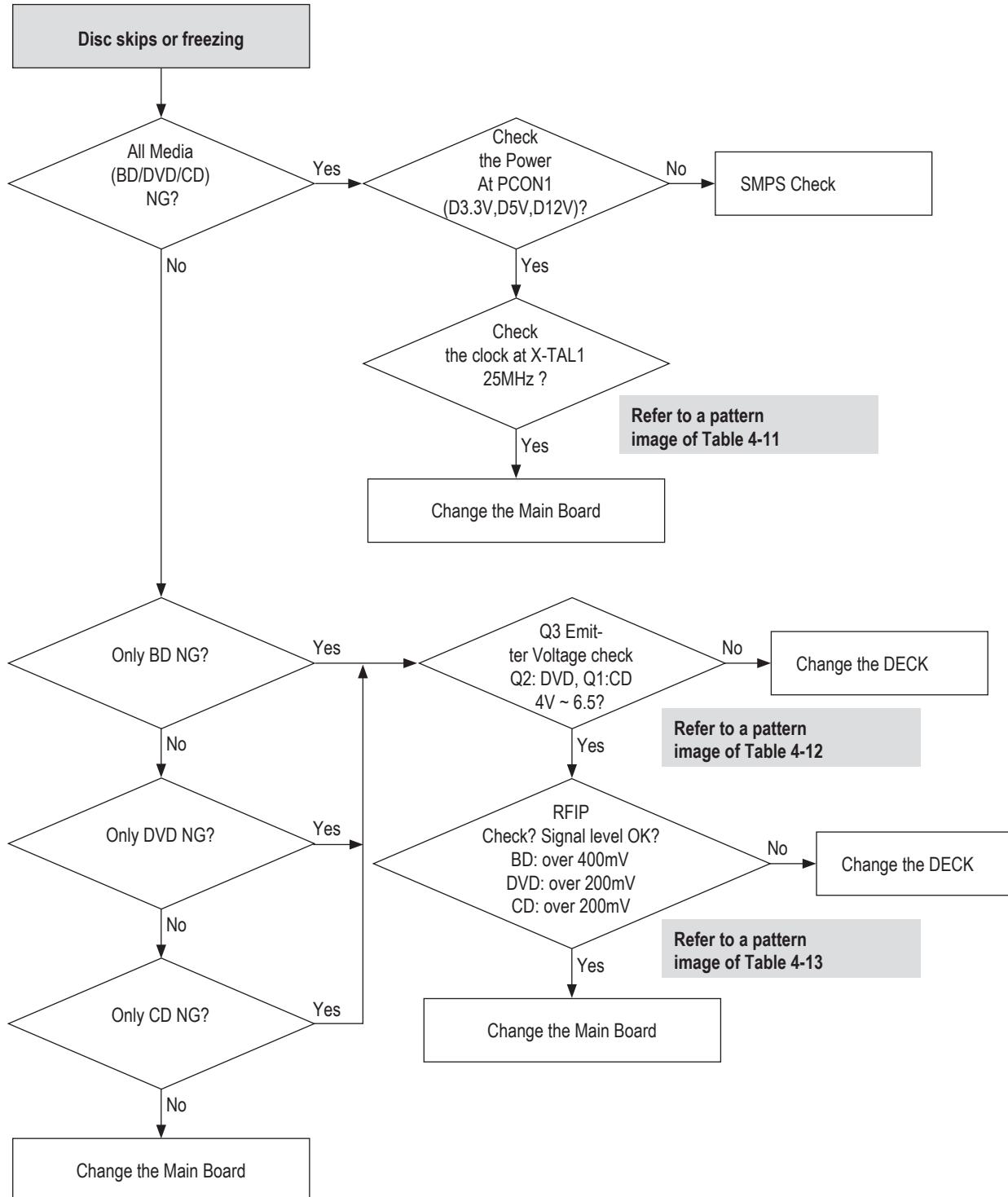


Fig. 4-10



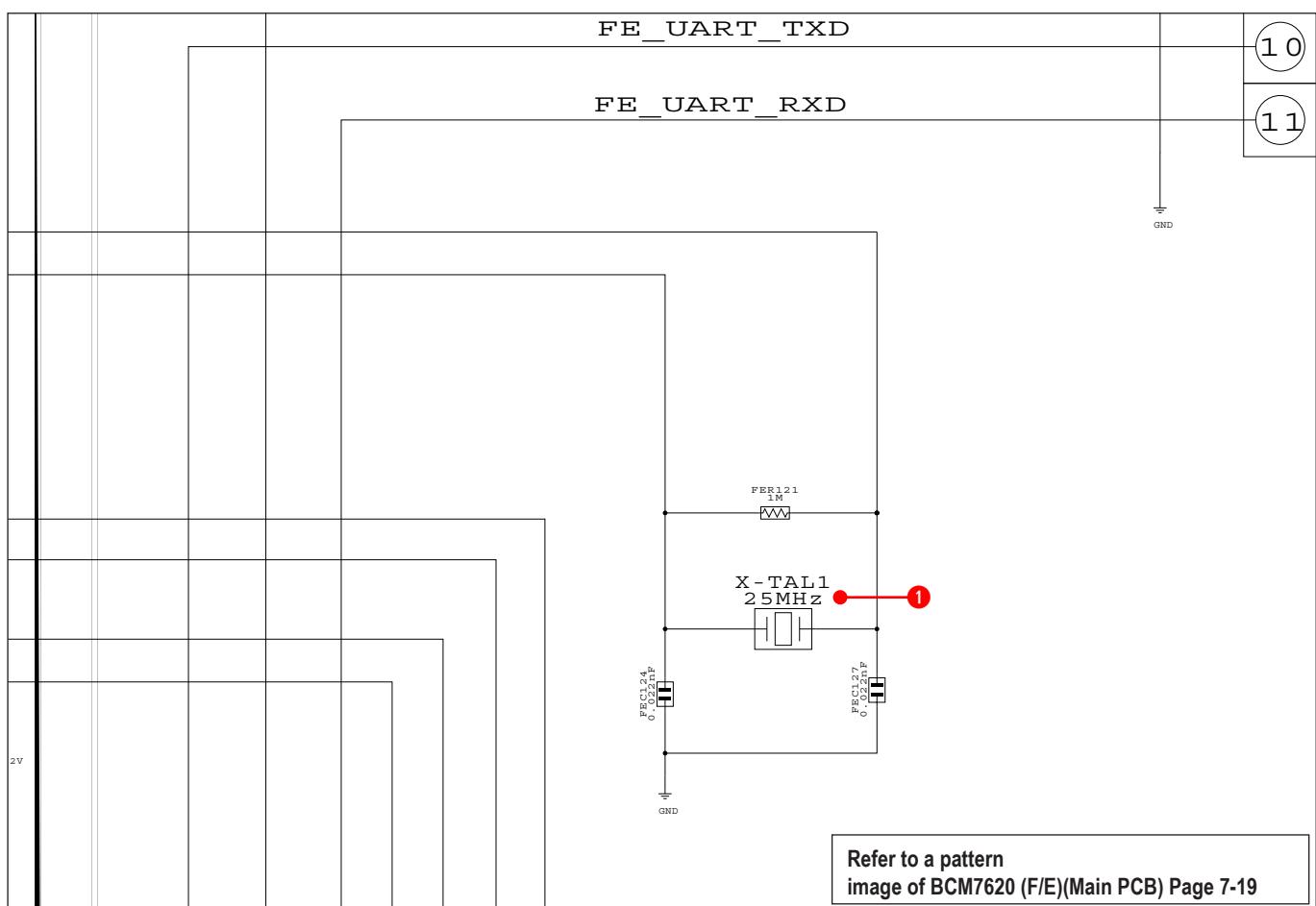
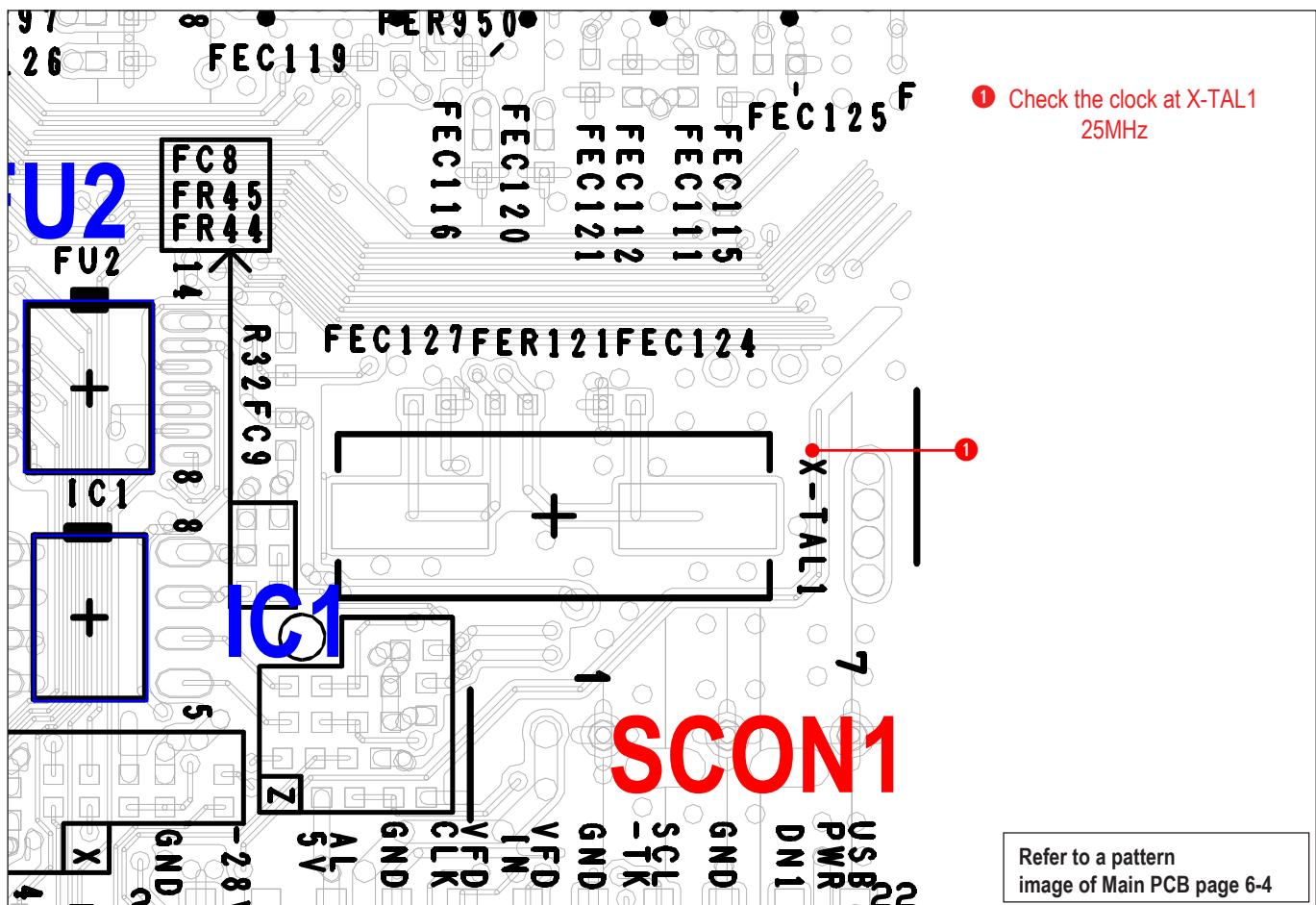


Fig. 4-11

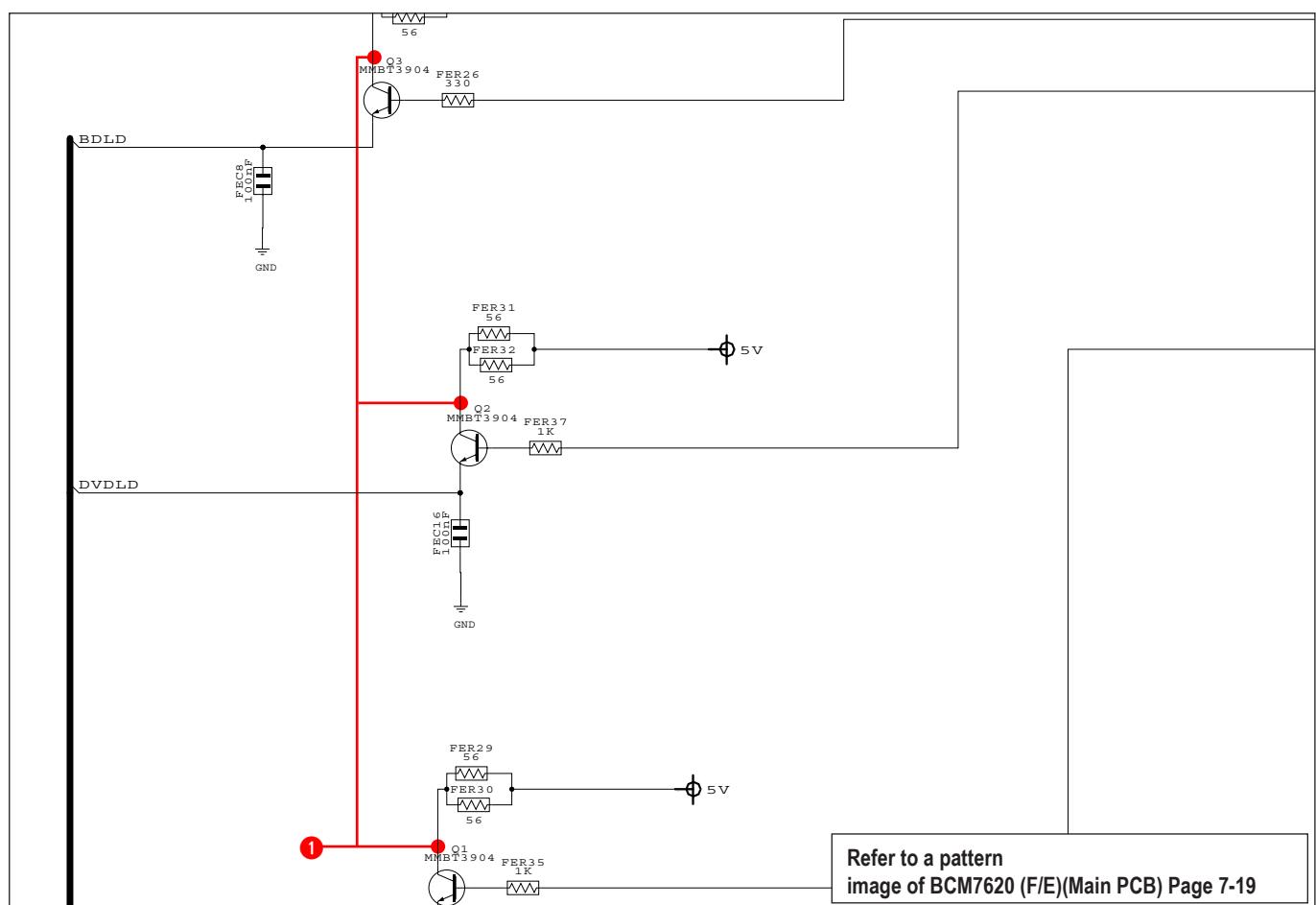
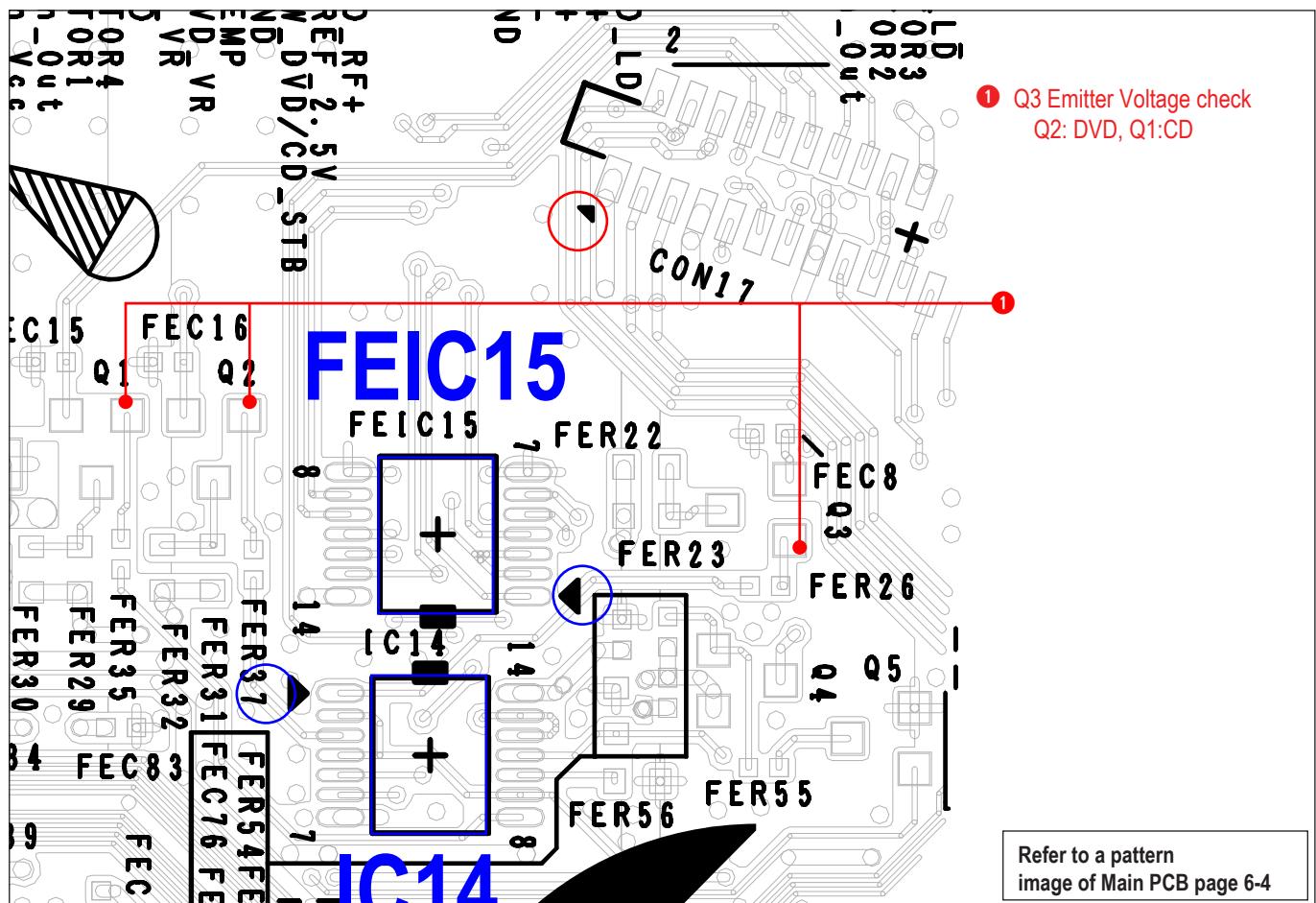


Fig. 4-12

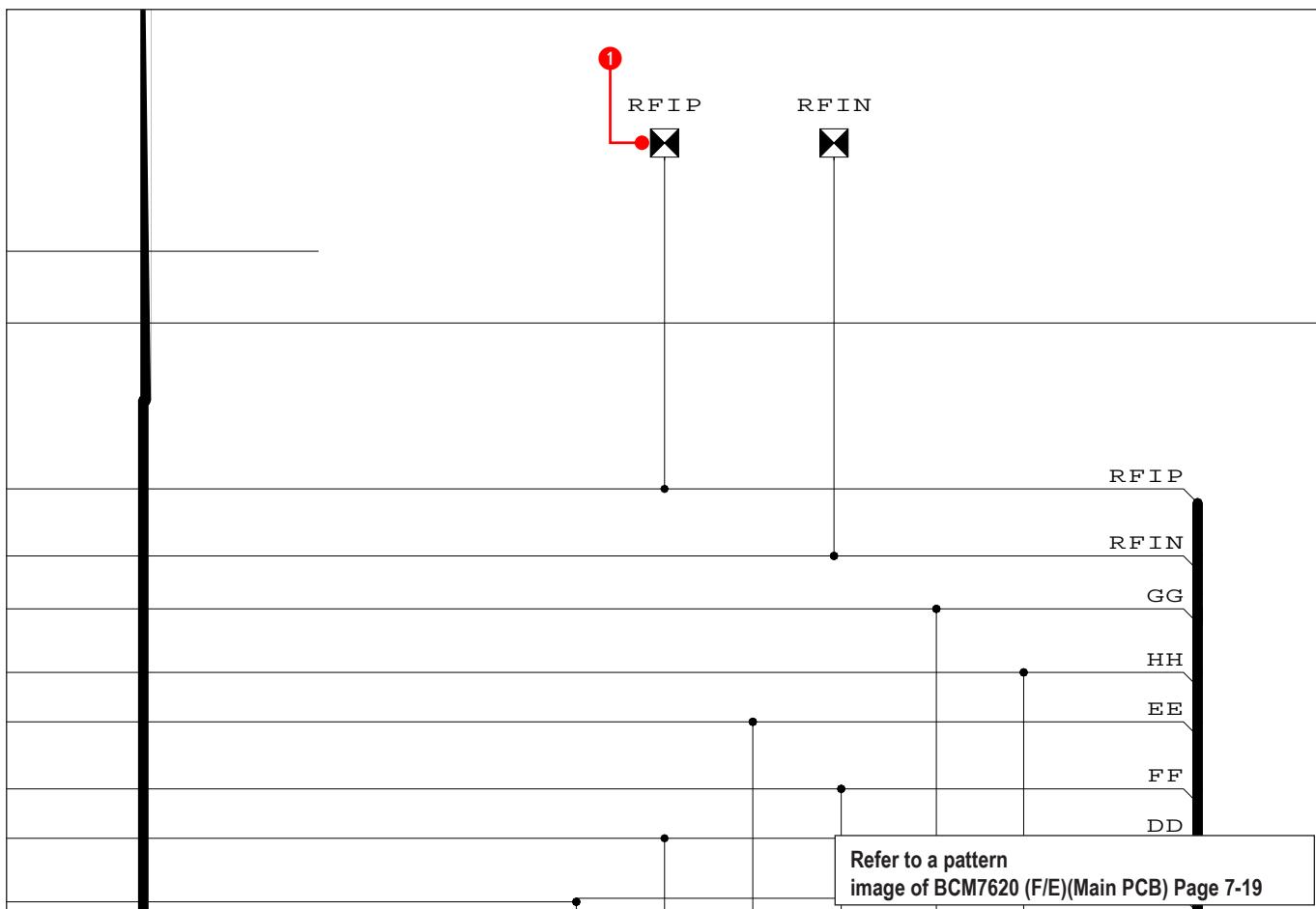
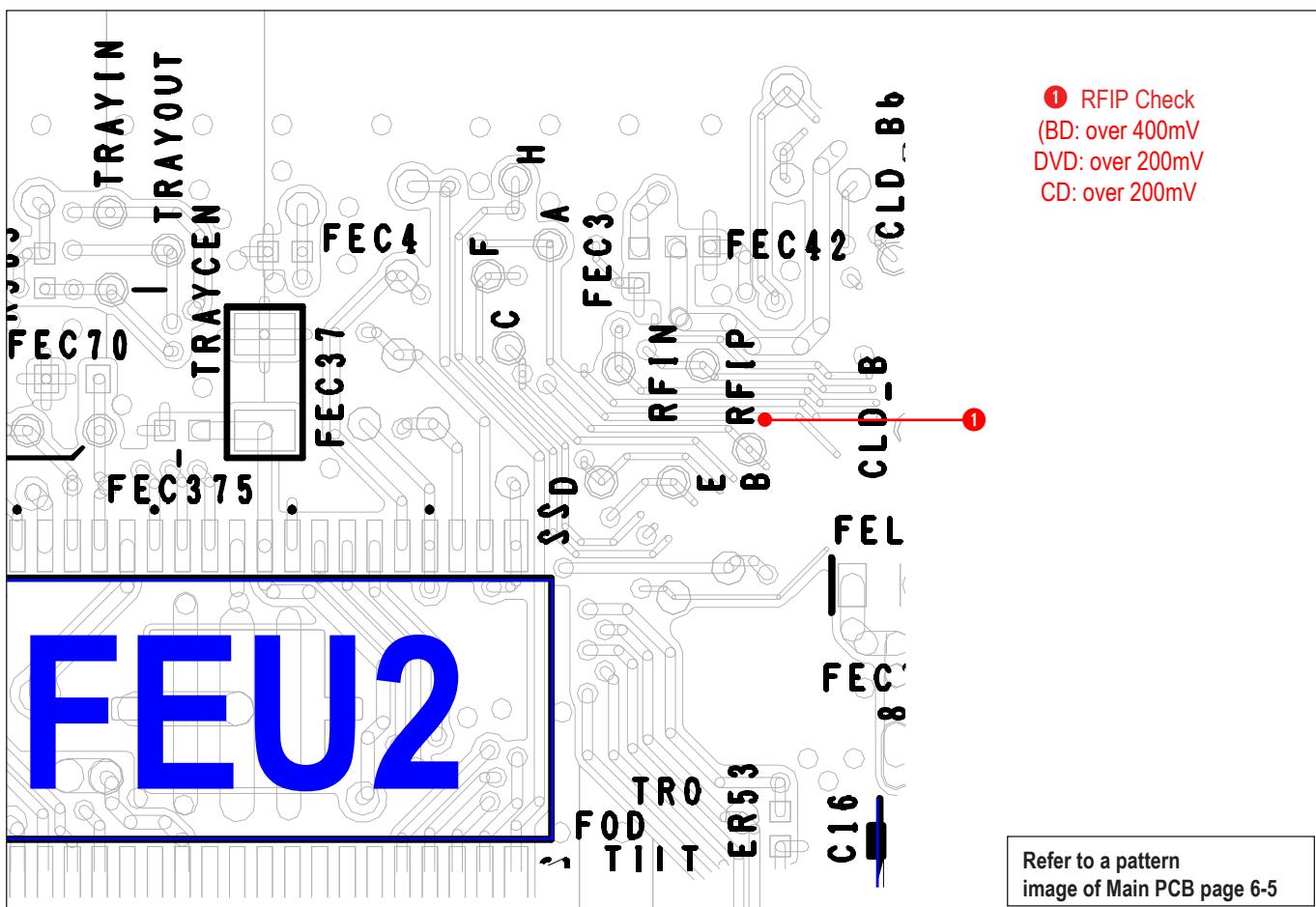
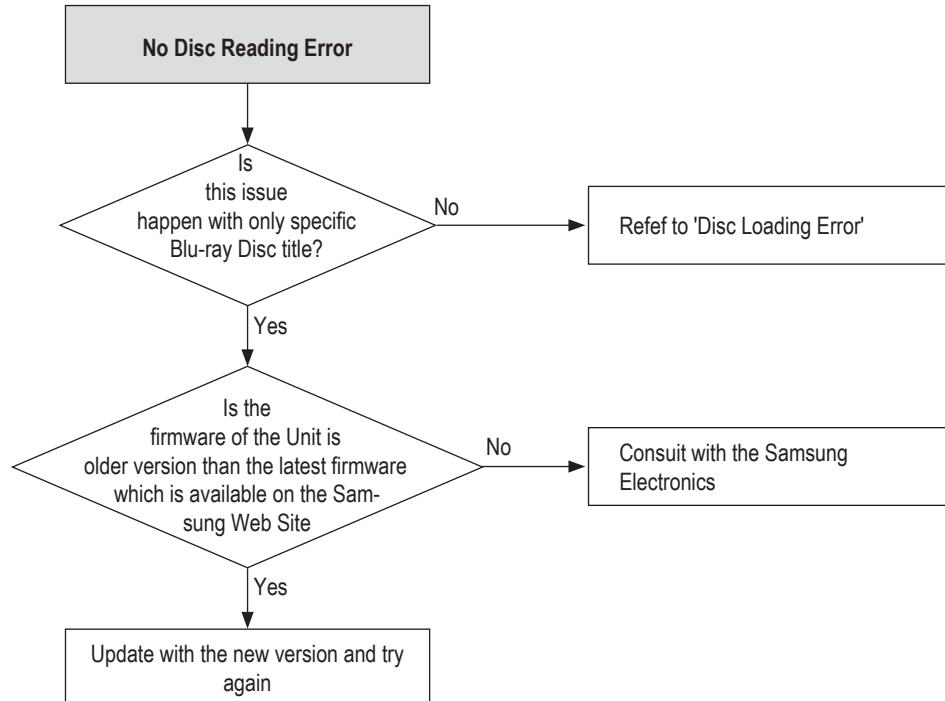


Fig. 4-13



#### 4-1-1 Recover Touch-Key Sensitivity

When assemble after disassembly, press number 86824 using remote control  
It means adjustment of the touch-key's sensitivity to optimize in the current environment

- METHOD

- Step 1 : Open tray mode



Fig. 4-14

- Step 2 : Press number 86824 using remote control
- Step 3 : Verify the message on front display then automatically close tray



Fig. 4-15

- Step 4 : Press the ENTER button then complete

## 4-2 Software Update

### 4-2-1 How to check F/W version

- Method 1
  - Step 1 : open the tray
  - Step 2 : press and hold INFO button on the remote over 5 seconds.
  - Then, you will see below screen

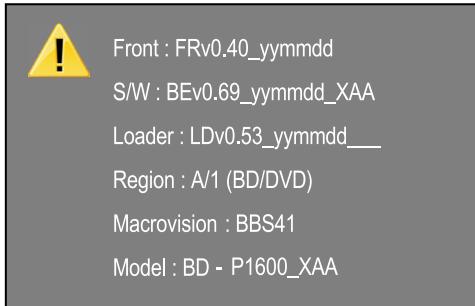


Fig. 4-16

- Method 2
  - Press 'MENU' on the remote controller
  - Setup – System Setup – System Information
- Description for the meaning
  - Front : Front Micom F/W (Not Updatable, and don't need to mostly)
  - S/W : Blu-ray Disc, DVD, CD, Main (Updatable)
  - Loader : Loader F/W (Updatable)
  - Region : BD region code / DVD region code
  - Macrovision

### 4-2-2 Update methods

- There are 3 Update methods
  - USB Update
  - CD Update
  - Network Update
  - The method of USB Update and CD Update is very similar.

#### ● F/W Update by USB

- Plug the USB on the rear panel or front Panel



Fig. 4-17

- Press Yes (if the USB you inserted has a later one than Current Version)



Fig. 4-18

- Wait about 2~3 minutes.
- When Finished, power automatically goes off.

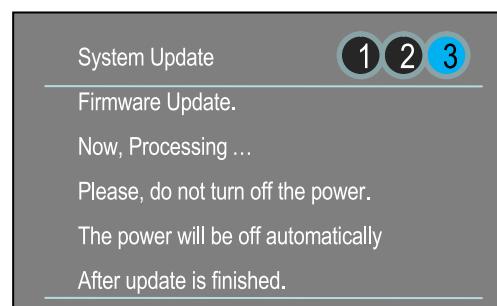


Fig. 4-19

## Trouble Shooting

### ● F/W Update via Network

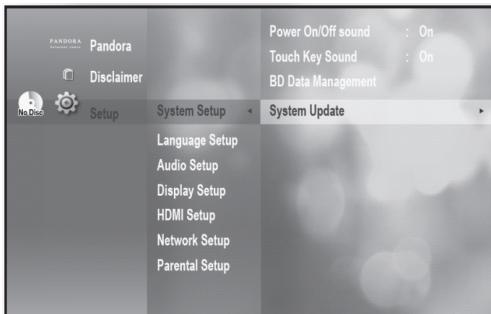


Fig. 4-20

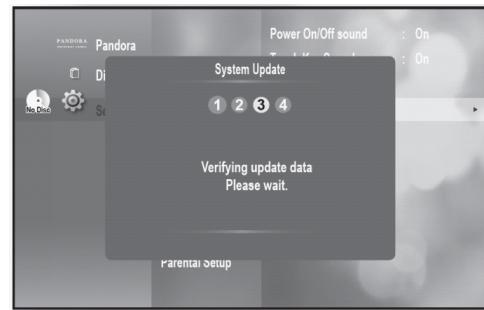


Fig. 4-24

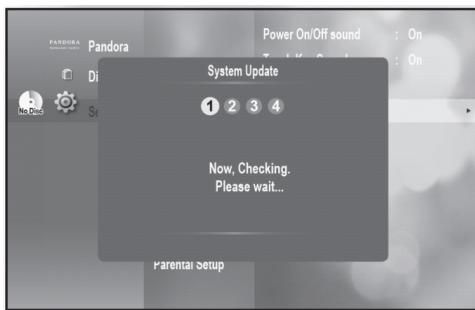


Fig. 4-21

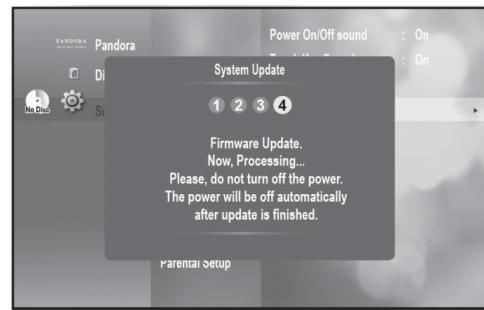


Fig. 4-25

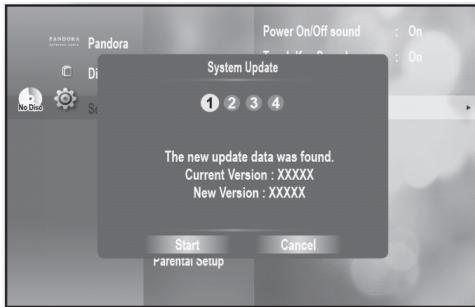


Fig. 4-22

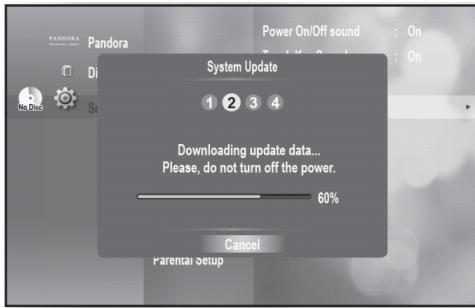


Fig. 4-23

#### 4-2-3 Cold Start Method (Initialize Setup)

- This is useful for forgotten Parental Lock password
- Press **▶▶|** on the front panel for over 5 seconds while 'no disc' status
- Then,  
VFD sign : 'COLD START'



Fig. 4-26

# MEMO