

SVC Application Guide

PDP TV-H2 series, fitted with 42V7 Module

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- #1 Construction / Layout of V7 Plasma Module
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2006.08.21

1. Outline & Guide

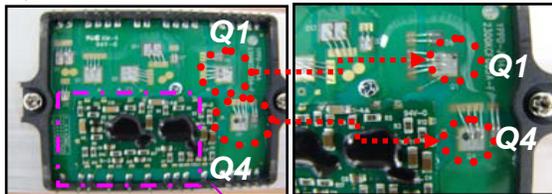
Issue

General

- ◆ Applicable Models : All H2 series PDP-TV with 42V7 Module Fitted 42PX1RV, 42PX2RV*, 42PX3RV*, 42PX4RV*, 42PX4MV*, 42PM3MV*
* Others:##-42PX40 Series, RZ-42PX30
- ◆ Symptom : No Picture & Audio Sound OK

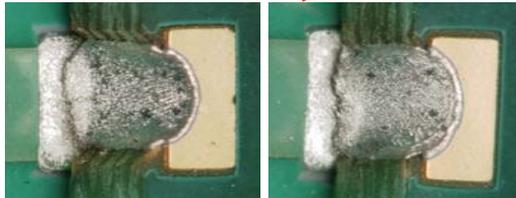
Cause

- IPM Failure on Y-SUS Board of V7 PDP Module
- Q1, Q4 Dead



> Solder Crack

Burnt stain in Q1,4



Field SVC Guide

SVC Guide

- ◆ Market : Global (PAL BG/I/DK, SECAM L/L', NTSC, PAL M/N)
- ◆ When a PCB fitted to the PDP module fails (CTRL, YDRVTP, YDRVBT, XRLBT, XRRBT, YSUS, ZSUS) please only use the replacement part number according to the list.
- ◆ Especially when Y-SUS Board fitted to the Y-SUS Board fails please use the repair kit to change Y-SUS, Z-SUS and Control Board all together according to the list and mal-discharge case is required ROM fitting as the ROM application list

Note: Applied PDP module serial no.
May.'05 ~ Oct.'05
or Applied Set Serial No.
May.'05 ~ Nov.'05

2. Replacement List

Board Type	Original part no	Replacement Part Number	Y-SUS Failure repair Kit
CTRL	6871QCH053A	6871QCH053F	<p>6871VSNB03E (Kit Part number)</p> <p>* Kit Part consists of CTRL, Y-SUS and Z-SUS</p> <ul style="list-style-type: none"> •CTRL : 6871QCH053G •Y-SUS :6871QYH036D •Z-SUS :6871QZH041B
	6871QCH053E		
	6871QCH053F		
	6871QCH053G	6871QCH053G	
Y-SUS	6871QYH036A	<p>Kit Part Number</p> <p>6871VSNB03E</p>	
	6871QYH036B		
	6871QYH036C		
	6871QYH036D		
Z-SUS	6871QZH041A	6871QZH041A	
	6871QZH041B	6871QZH041B	
YDRVTP	6871QDH084A	6871QDH084A	
YDRVBT	6871QDH085A	6871QDH085A	
XRLBT	6871QLH047A	6871QLH047B	Not Supplied in Kit
	6871QLH047B		
	6871QLH047D		
XRRBT	6871QRH055A	6871QRH055B	
	6871QRH055B		
	6871QRH055D		

3. ROM Download

The ROM application in CTRL B/D

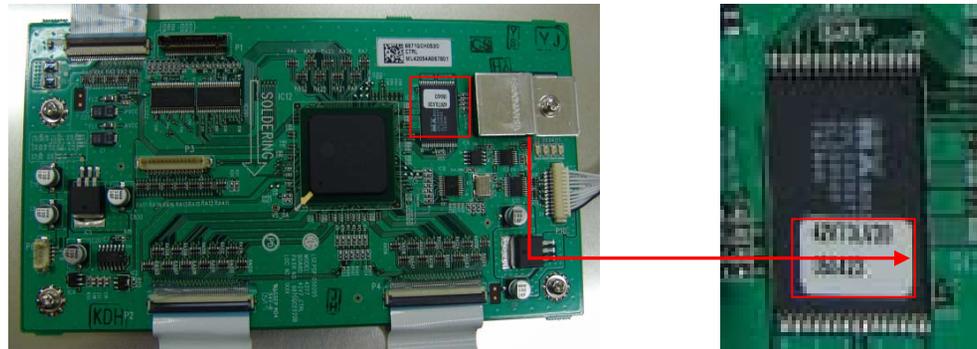
KIT PCB should be Vzb ROM in CTRL B/D

- * It should be verified according to Panel Plant(A2,A3)
- * If KIT is not the following ROM in CTRL B/D, pls upgrade the CTRL B/D.

1. ROM Tag Explanation

Ex) **42V73DN3G**

- 42V7: Model
- 3: Panel Plant_A2
(* 4:Panel Plant_A3)
- DN3G: ROM Version



2. ROM Application List

Criteria	A2 Panel	A3 Panel
Non-Vzb	42V73DNCS1 (F6D6)	42V74DN3G (B4D1)
Vzb	42V70CS4BD(8EAD)	

If you don't have the KIT PCB, apply the Non-Vzb ROM according to Panel Plant.

3. The Voltage Adjustment of Y-SUS and Z-SUS B/D

- Y-SUS B/D: V_y (-80V), V_{sc} (115V), V_{zb} (165V)
- PSU: V_s (187V), V_a (65V)

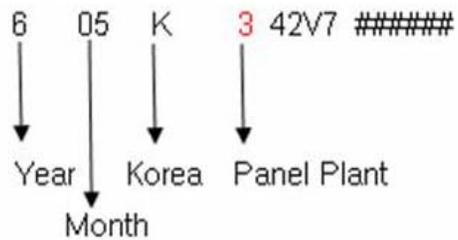
3. ROM Download

The Serial No. application to Y-SUS and ROM

1. Serial No. matching to ROM and Y-SUS B/D

Applied Module Serial No.	Applied SVC ROM	Panel	Applied Y-SUS B/D
605K 3 42V7#####	42V73DNCS1	A2	6871QYH036A,B,C
605K 3 42V7#####	42V73CS4AD	A2	6871QYH036D
605K 4 42V7#####	42V74DV3G	A3	6871QYH036A,B,C
605K 4 42V7#####	42V74DACS1	A3	6871QYH036D

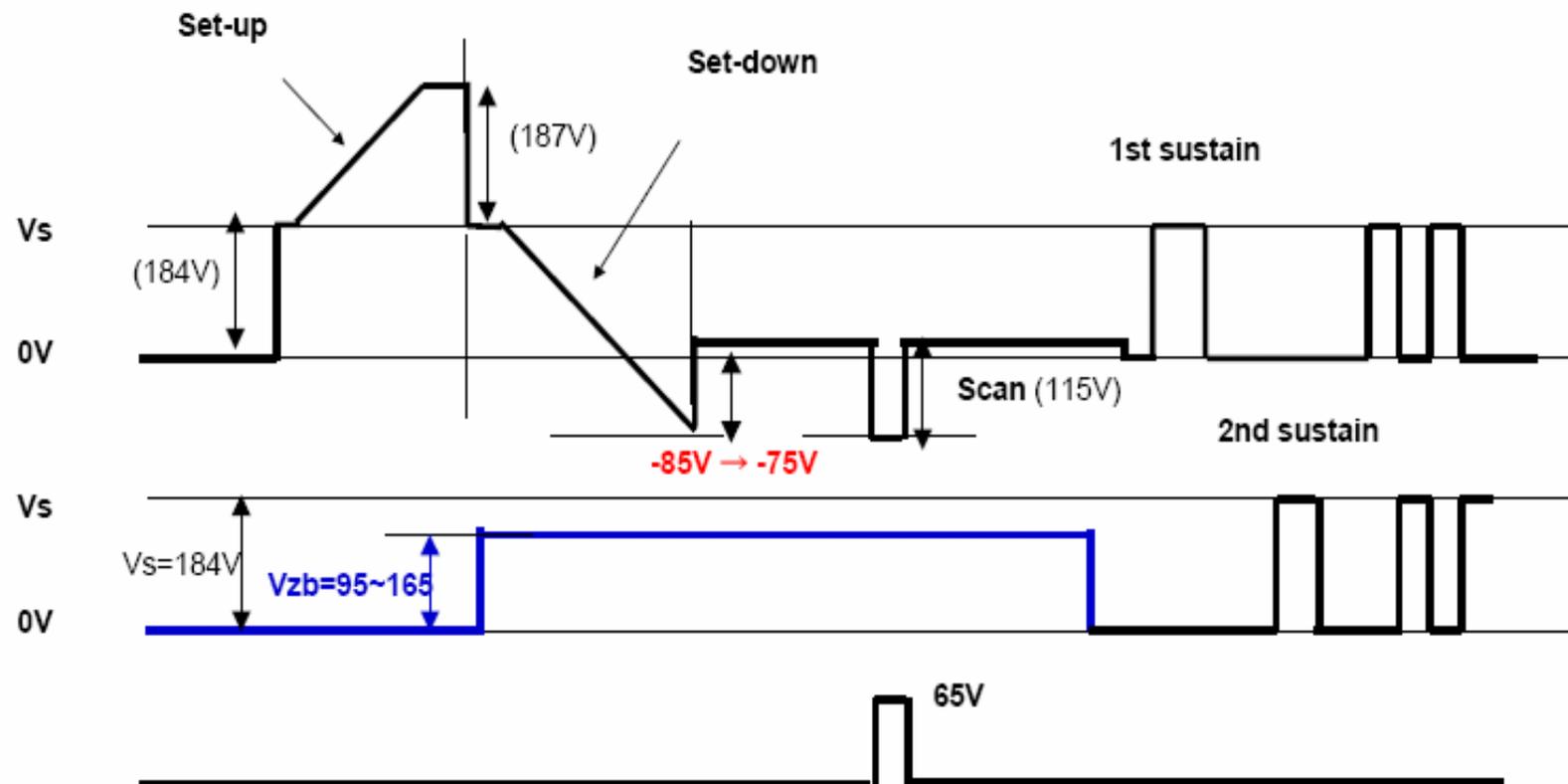
2. Serial No. Application

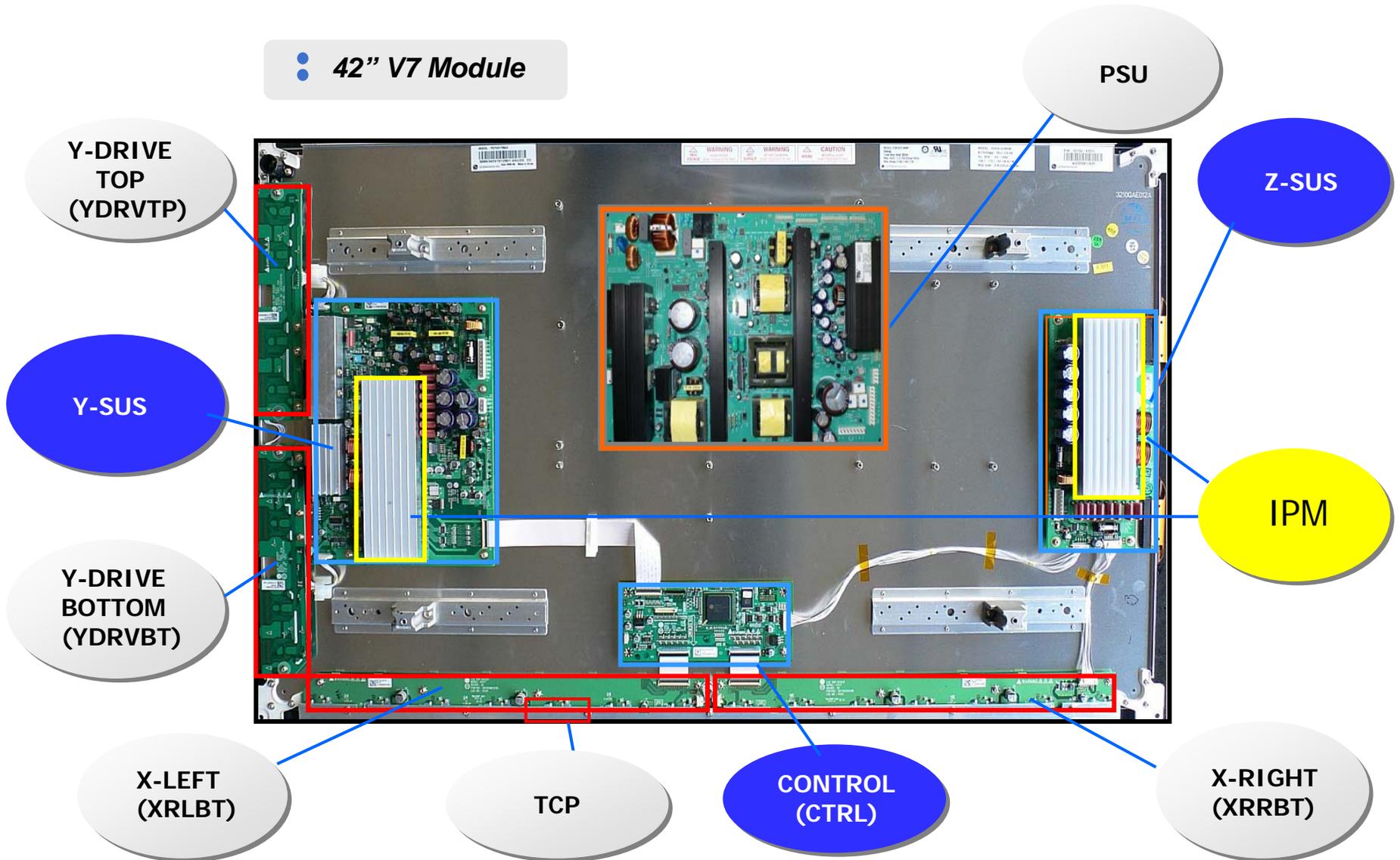


Panel Plant

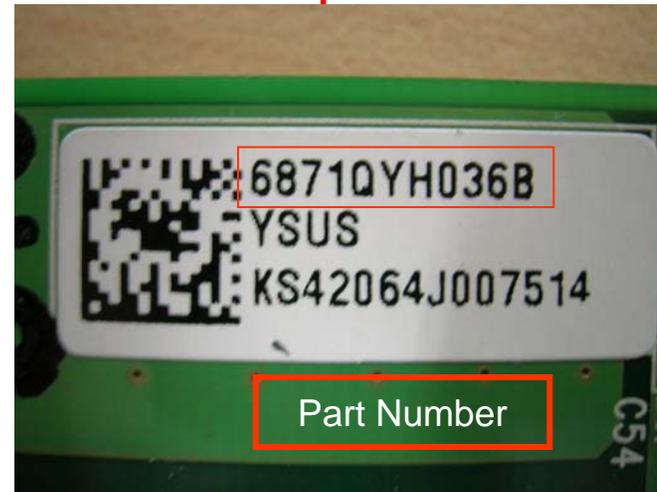
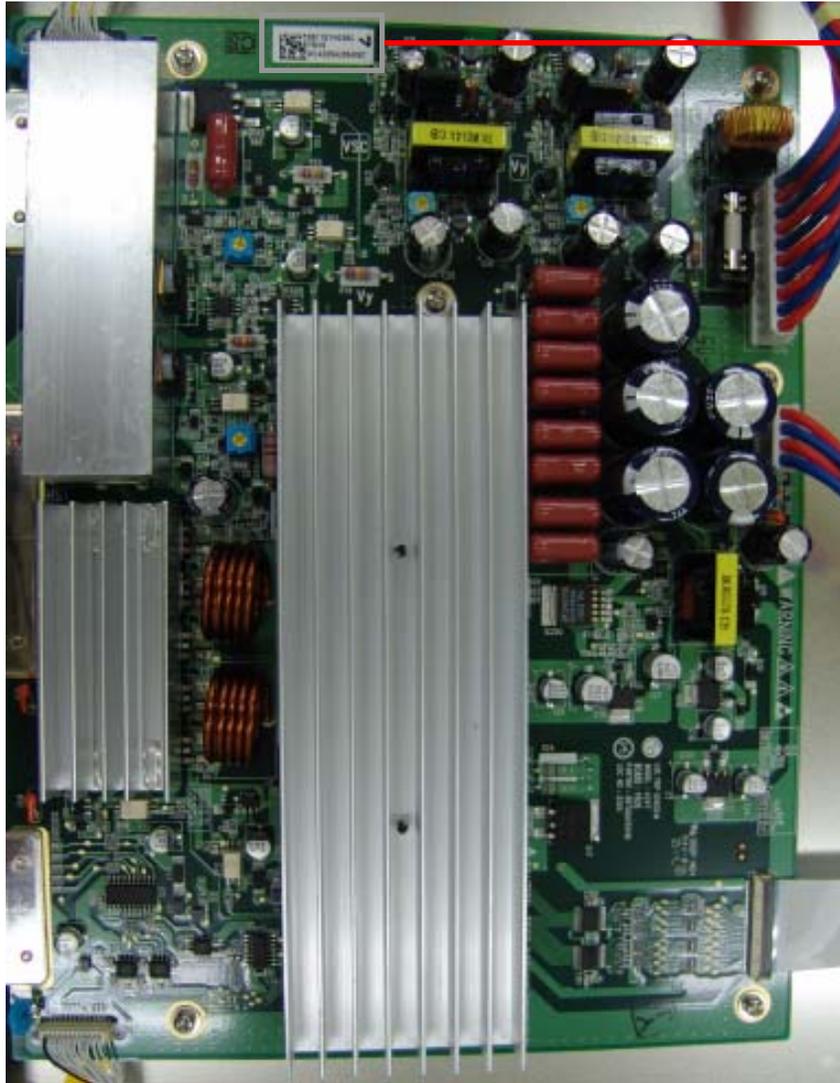
- 1: A1-a
- 2: A1-b
- 3: A2
- 4: A3

V_{zb} is the lowered voltage compared with V_s-voltage, In the period of Set_down and Scan. Because of reduced voltage difference between Y and Z, Self addressing does not occur during no data.





PDP42V7 Y-SUS Board

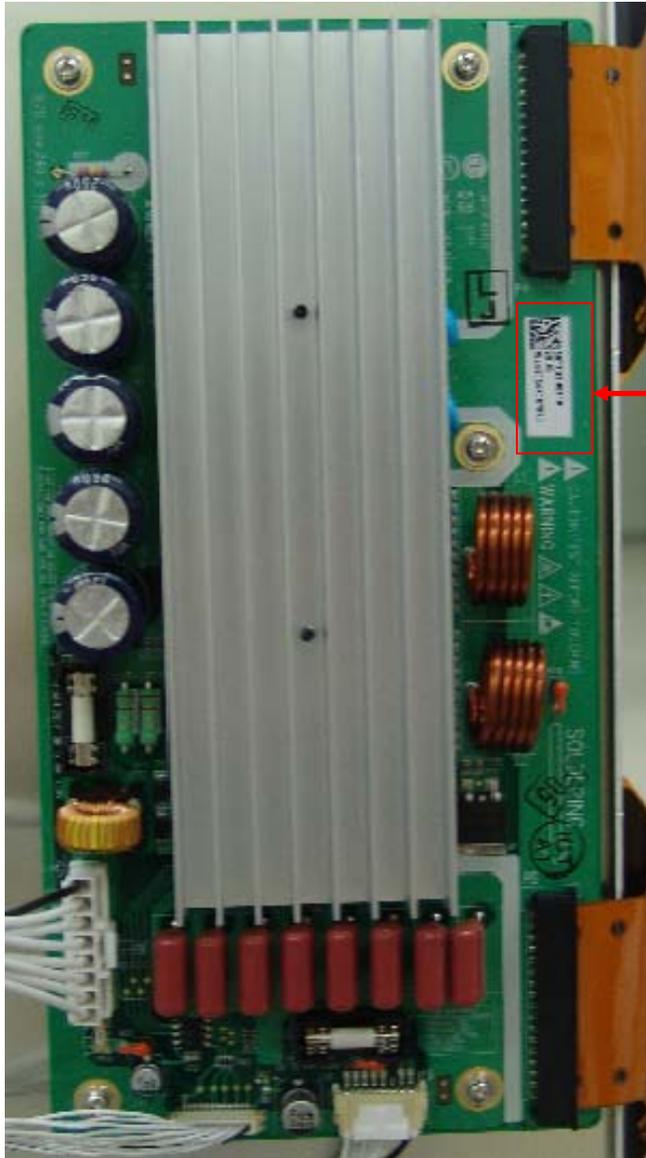


Y-SUS Board Label

Attachment

Board Identification

PDP42V7 Z-SUS Board

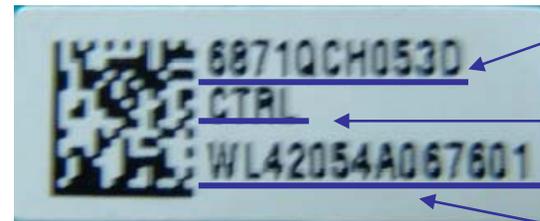


Board Label

PDP42V7 CTRL Board



B/D White Label



BOARD ASS'Y
PART NO.

BOARD NAME

BOARD
SERIAL NO.