



# Toshiba 50WP16A Service Manual

Toshiba plasma display monitor service manual



1
Table Of Contents
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67

68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101

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•

[Table of Contents](#)

- 

Troubleshooting



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[Download this manual](#)

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FILE NO. 050-200122

SERVICE MANUAL  
**TOSHIBA**  
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*50WP16H, 50WP16R*

*50WP16EA, 50HP81*

2

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[Table of Contents](#)

[Next Page](#)

1  
2  
3  
4  
5

## Related Manuals for Toshiba 50WP16A

### [Monitor Toshiba 50WP16A Service Manual](#)

Plasma display monitor (81 pages)

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(61 pages)

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(138 pages)

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### [Monitor Toshiba 26HLC56 Owner's Manual](#)

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### [Monitor Toshiba RMTI-EMD-HT Brochure & Specs](#)

Environmental monitoring management (2 pages)

### [Monitor Toshiba PA3923U-1LC3 USB Monitor User Manual](#)

Mobile lcd monitor (40 pages)

## Summary of Contents for Toshiba 50WP16A

[Page 1](#) FILE NO. 050-200122 SERVICE MANUAL PLASMA DISPLAY MONITOR 50WP16A, 50WP16C 50WP16H, 50WP16R 50WP16EA, 50HP81 PRINTED IN JAPAN Oct.,2001...

### [Page 2: Table Of Contents](#)

CONTENTS Page Page 1 Plasma Display Technology 5.15. CAT (Computer Aided Test) mode 1.1. Plasma display panel 6 Self Check 1.2. Plasma display panel structure 6.1. Display Indication 1.3. Rear Glass Structure 7 Trouble shooting guide 1.4. Front Glass Structure 7.1.



## [Page 3: Sustain Step](#)

13.10. H-Board (1/4) Schematic Diagram 13.51. D-Board (26/36) Schematic Diagram 13.11. H-Board (2/4) Schematic Diagram 13.52. D-Board (27/36) Schematic Diagram 13.12. H-Board (3/4) Schematic Diagram 13.53. D-Board (28/36) Schematic Diagram 13.13. H-Board (4/4) Schematic Diagram 13.54. D-Board (29/36) Schematic Diagram 13.14.

## [Page 4: Plasma Display Technology](#)

Fig. C Fig. A On the rear glass the data electrode is mounted. Toshiba 50 wide plasma display panel is developed for large The dielectric is coated on the rear glass. screen multimedia display with space saving. Red, Green and Blue colour phosphors are formed on the data The plasma display panel use AC type Sub-field drive system electrode with the ribs.

## [Page 5: Pixel Structure](#)

1.5. Pixel Structure 1.7. Initialization Fig. E Fig. G 50 inch plasma display panel has 1,049,088 pixels. To clear any remaining electric charge into the pixel, trapezoid Each pixels structure is shown fig. E. voltage is applied between the scan and sustain electrodes. 1.6.

## [Page 6: Wall Voltage](#)

1.9. Wall Voltage 1.11. Sustain Step 2 Fig. I Fig. K When input pulses are stopped, Ions and Electrons which are When sustain pulse is stopped, Ions and Electrons are charged on the dielectric around the electrodes are remained. remained again as Wall voltage. However polarity of wall voltage is reversed.

## [Page 7: Sustain Step](#)

1.13. Sustain Step 4 1.15. Repeat Step 1 to Step 5 Fig. M Fig. O When sustain pulse is stopped, Ions and Electrons are To keep discharge continuously step 1 to 5 operation will be remained again as Wall voltage. However polarity of wall repeated.

## [Page 8: Dual Scan](#)

1.17. Dual Scan 1.19. Real Black drive Fig. Q Fig. S The sustain period of sub-field drive system. Therefore For standard sub field drive, initialization discharge is done at brightness peak is limited. Because 768 horizontal lines each sub field. So that during one TV field period same sub scanning is carried out during address period.

## [Page 9: Service Hint](#)

2 Service Hint Board name Function Board name Function Data drive (Upper Left) Panel drive power Data drive (Upper Center) Processing voltage control Data drive (Upper Right) PFC oscillator Data drive (Lower Left) High Voltage protect Data drive (Lower Center) Low Voltage protect Data drive (Lower Right) Regulator...

## [Page 10: Adjustment Procedure](#)

3 Adjustment Procedure 3.1. +B Set-up 3.2. Driver Set-up 3.1.1. Item / Preparation 3.2.1. Item / Preparation 1. Confirm the main voltage set switch is set to 230V. (A, B, 1. Input an APL 100 % white signal. and E version) Confirm the main voltage set switch is set to 2.

## [Page 11: Adjustment Volume Location](#)

3.3. Adjustment Volume Location 3.4. Test Point Location...

## [Page 12: Initialization Pulse Adjust](#)

3.5. Initialization Pulse Adjust 1. Input a Cross hatch signal. 2. Set the picture controls: - Picture mode: Normal White balance: Cool Adjust the indicated test point for the specified wave form. Test point Volume TPSC1 (SC) R6524 (SC)  $20 \pm 10\mu$  Sec TPSC1 (SC) R6556 (SC)  $160 \pm \dots$

## [Page 13: Alignment Setting](#)

4 Alignment Setting 4.1. How to access Alignment 1. Press and hold the Volume down / - button on the front panel of the unit and press the status [ + ] button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT menu (Main service mode) 2.

## [Page 14: Iic Menu Structure](#)

4.3. IIC menu structure...

## [Page 16: Alignment](#)

5 Alignment 5.1. DG contrast (Composit video signal) Alignment menu INPUT Equipment Test Point Level Remark Subject Item NTSC Oscilloscope TP8004 VPC SETTING DG CONTRAST 0.7V+-0.02V Colour Bar (DG Boad) (3A) 100IRE Oscilloscope TP8004 VPC SETTING 0.55V+-0.02V DG CONTRAST (DG Board) Colour Bar (3A) 5.2.

## [Page 17: Ntsc Panel White Balance](#)

5.3. NTSC panel white balance INPUT Equipment Setting Alignment menu Procedure 1 NTSC Color Picture: 1) Find the nearest area to brightness of 10 cd/m as Low Gray Scale Analyzer Normal Sub Adjust light by color sensor. Pattern White balance: Sub Bright 2) Adjust Sub bright to set Low light level to 10 cd/m Cool exactly.

## [Page 18: Pal/Secam Panel White Balance](#)

5.4. PAL/SECAM panel white balance INPUT Equipment Setting Alignment menu Procedure 1 PAL Color Picture: 1) Find the nearest area to brightness of 10 cd/m as Low Gray Scale Analyzer Normal Sub Adjust light by color sensor. Pattern White balance: Sub Bright 2) Adjust Sub bright to set Low light level to 10 cd/m Cool exactly.

[Page 19](#) Equipment Setting Alignment menu Procedure Picture: 1) Write down each color temaparature of R,G,B drive and Normal Cut off data as follows. Aspect: 16:9 White White balance: Balance Cool Normal Warm Cool R Drive Normal G Drive Warm B Drive R Cut off G Cut off B Cut off...

## [Page 20: Pedestal Setting](#)

5.5. Pedestal setting INPUT Equipment Setting Alignment menu Procedure \*\* Adjust at the dark room. 1 Component Picture: PANEL W/B (525i, 525p, 625i, Normal R cut off 1) Set R,G and B cut off to " 80 ". 720i or 1080i) White balance: G cut off Cool...

## [Page 21: Pc/Rgb Panel White Balance](#)

5.6. PC/RGB panel white balance INPUT Equipment Setting Alignment menu Procedure 1 PC Color Picture: 1) Find the nearest area to brightness of 10 cd/m as Low Gray Scale Analyzer Normal Sub Adjust light by color sensor. Pattern White balance: Sub Bright 2) Adjust Sub bright to set Low light level to 10 cd/m Cool exactly.

[Page 22](#) INPUT Equipment Setting Alignment menu Procedure Picture: 1) Write down each color temaparature of R,G,B drive and Normal Cut off data as follows. Aspect: 16:9 White White balance: Balance Cool Normal Warm R Drive Cool Gray Scale Normal G Drive Pattern Warm B Drive...

## [Page 23: Hd/ 525I /525P Panel White Balance](#)

5.7. HD/ 525i /525p panel white balance INPUT Equipment Setting Alignment menu Procedure (720i or 1080i) Color Picture: 1) Find the nearest area to brightness of 10 cd/m as Low Gray Scale Analyzer Normal Sub Adjust light by color sensor. Pattern White balance: Sub Bright 2) Adjust Sub bright to set Low light level to 10 cd/m...

[Page 24](#) INPUT Equipment Setting Alignment menu Procedure Picture: 1) Write down each color temaparature of R,G,B drive and Normal Cut off data as follows. Aspect: 16:9 White White balance: Balance Cool Normal Warm R Drive Cool Gray Scale G Drive Normal Pattern Warm B Drive...

## [Page 25: 625I Panel Balance](#)

5.8. 625i panel balance INPUT Equipment Setting Alignment menu Procedure 1 625i Color Picture: 1) Find the nearest area to brightness of 10 cd/m as Low Gray Scale Analyzer Normal Sub Adjust light by color sensor. Pattern White balance: Sub Bright 2) Adjust Sub bright to set Low light level to 10 cd/m Cool exactly.

## [Page 26: Sub Brighness Setting](#)

5.9. Sub brighness setting INPUT Equipment Setting Alignment menu Procedure \*\* Adjust at the dark room. 1 NTSC Picture: PANEL W/B Gray Scale Normal All cut off 1) Set white balance to Cool . Pattern Aspect: 16:9 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area.

[Page 27](#) INPUT Equipment Setting Alignment menu Procedure \*\* Adjust at the dark room. 4 525i Picture: PANEL W/B Gray Scale Normal All cut off 1) Set white balance to Cool . Pattern Aspect: 16:9 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area.

## [Page 28: Pos./Size Setting](#)

5.10. Pos./Size setting 1. Receive the test pattern signal which can be found the 5.14.1. Side panel color setting center and edge position and align properly. Colour of side panel which are left and right side blank area of Alignment Item Reference Setting/Special feature 4:3 aspect mode can be adjusted as desired color and...

## [Page 29: Self Check](#)

6 Self Check 6.1. Display Indication 1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display. 2. To get into the Self-check mode press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show :- If the CCU ports have been checked and found to be incorrect...

## [Page 30: Trouble Shooting Guide](#)

7 Trouble shooting guide 7.1. No Power First check point There are following 3 states of No Power indication by power LED. 1. No lit 2. Green is lit then turns red blinking a few seconds later. 3. Only red is lit. 1.

## [Page 31: No Picture](#)

7.2. No Picture 7.3. Local screen failure Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area. Fig - 1...

## [Page 32: C.b. \(Printed Circuit Board\) Exchange](#)

8 P.C.B. (Printed Circuit Board) exchange 8.1. Caution 1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors. 8.2. Quick adjustment after P.C.B. exchange P.C.B. Item Volume Test point Level P board Vsus R639 TPVsus (SS) Vsus  $\pm$ ...

## [Page 33: Location Of Lead Wiring](#)

9 Location of Lead Wiring...

## [Page 34: Basic Circuit Explanation](#)

10 Basic Circuit Explanation 10.1. Power Supply Circuit 10.1.1. Power Factor Control (PFC) 10.1.1.1. Basic operation of the Full wave bridge rectifier Feature: 1. Power Factor 05~0.7 2. Spick AC current with high frequency component. 10.1.1.2. Power Factor control circuit Feature: 1.

## [Page 35: Energy Recovery Drive Pulse Output](#)

10.2. Energy Recovery Drive Pulse Output 10.2.1. Plasma Panel Energy Loss When The Sustain, Scan and Data drive pulses are supplied to the plasma panel a lot of energy was lost by resistance of the electrodes lead and many of switching elements. Because plasma panel has the stray capacitance and this capacitance makes high level inrush current during the charge and discharge.

## [Page 36: Ic Block Diagram](#)

11 IC Block Diagram C0JBAF000405 C0JBAZ001201 TC74LCX574F TC74HC244AF (D-TYPE FLIP-FLOP) (BUS BUFFER) CXA1315M (IIC-DAC CONVERTER) UC2715N (FET DRIVER) C0JBAB000155 C0JBAD000080 C0JBAB000226 (QUAD 2-INPUT (HEX SCHMITT NOR GATE) INVERTER) TC74LCX74F C0ZBZ0000205 C1AA00000561 C0ABFA000012 (RS232C DRIVER) (AMPLIFIER)

(HIGH-PERFORMANCE PHASE-LOCKED LOOP)

[Page 37](#) BH3866S (AUDIO AMP) COZBZ0000138 (HALF BRIGE DRIVER)

### [Page 39: Conductor Views 12.1. F-Board](#)

12 Conductor Views 12.1. F-Board F-BOARD (FOIL SIDE) TXN/F10L32 (50HP81) F-BOARD (FOIL SIDE) TXN/F10HAS (50WP16 SERIES)

### [Page 40: P1-Board](#)

12.2. P1-Board P1-BOARD (FOIL SIDE) TXNP110L32...

[Page 41](#) PARTS LOCATION PARTS LOCATION P1-BOARD (FOIL SIDE) P1-BOARD (COMPONENT SIDE) Q414 Q413 Q415 Q414 IC406 IC406 Q416 Q415 IC407 IC407 Q417 Q416 IC410 IC410 Q418 Q417 IC411 IC411 Q419 Q418 IC412 IC412 Q422 Q418 IC421 IC421 Q423 Q421 Q424 Q422 TARNISISTOR TRANSISTOR Q425...

[Page 42](#) P1-BOARD (COMPONENT SIDE) TXNP110L32...

### [Page 43: P4-Board](#)

12.3. P4-Board P4-BOARD (FOIL SIDE) TNPA1908 P4-BOARD (COMPONENT SIDE) TNPA1908...

[Page 44](#) PARTS LOCATION P4-BOARD (FOIL SIDE) IC921 IC931 IC932 IC934 TRNSISTOR Q921 Q922 Q924 Q925 Q926 Q927 Q932 Q933 ADDRESS INFORMATION PARTS LOCATION P4-BOARD (COMPONENT SIDE) IC921 IC931 IC932 IC934 TRANSISTOR Q921 Q922 Q924 Q925 Q926 Q927 Q932 Q933 ADDRESS INFORMATION...

### [Page 45: P3, P5, P6, P7, P8, P9 And T11-Board](#)

12.4. P3, P5, P6, P7, P8, P9 and T11-Board T11-BOARD (FOIL SIDE) TNPA1996 P9-BOARD (FOIL SIDE) P5-BOARD (FOIL SIDE) P6-BOARD (FOIL SIDE) TNPA1906 TNPA1909 TNPA1910 P7-BOARD (FOIL SIDE) P8-BOARD (FOIL SIDE) TNPA1911 TNPA1912 P3-BOARD (FOIL SIDE) TNPA1907...

[Page 46](#) T11-BOARD (COMPONENT SIDE) TNPA1996 P6-BOARD (COMPONENT SIDE) P5-BOARD (COMPONENT SIDE) P9-BOARD (COMPONENT SIDE) TNPA1910 TNPA1909 TNPA1906 P8-BOARD (COMPONENT SIDE) P7-BOARD (COMPONENT SIDE) TNPA1912 TNPA1911 P3-BOARD (COMPONENT SIDE) TNPA1907...

### [Page 47: H, H3, S1 And V1-Board](#)

12.5. H, H3, S1 and V1-Board V1-BOARD (FOIL SIDE) S1-BOARD H3-BOARD TNPA1783 TNPA1784 TNPA1756AB H-BOARD (FOIL SIDE) TNPA1755...

[Page 48](#) PARTS LOCATION PARTS LOCATION H-BOARD (FOIL SIDE) H-BOARD (COMPONENT SIDE) TP134 Q3510 TP135 Q3511 IC3509 IC3502 TP136 Q3512 IC3503 TP137 Q3513 TEST POINT IC3504 TP138 Q3514 TP097 IC3505 TP139 Q3515 TP104 IC3506 TP140 Q3517 IC3507 TP118 TP141 Q3518 IC3508 TP119 TP142 Q3519 IC3509...

[Page 49](#) V1-BOARD (COMPONENT SIDE) TNPA1783 H-BOARD (COMPONENT SIDE) TNPA1755...

### [Page 50: Dg-Board](#)

12.6. DG-Board DG-BOARD (FOIL SIDE) TXNDG10L33 ORDER REVERSE TNPA1754 TP8017 Q8030 C8162 TP8016 JS8021 R8281 R8280 R2322 R2323 R8434 JS8022 C2318 C2330 C2319 C2332 R8282 R8614 Q8033 C2320 C2321 JS8023 R2326 R2327 C2328 C2331 C2329 C2333 IC2301 IC2302 C2322 C2324 R8140 R8137 C2337...

[Page 51](#) DG-BOARD (COMPONENT SIDE) TXNDG10L33 SP ROUT TNPA1754 JK8003 JK8002 JK8001 R8276 R8277 D2301 D2303 D2304 D2302 R8428 L8022 L8020 C8155 L8019 C8141 C8137 C8300 C8161 L2302 C2391 C2389 C2390 C2388 IC8016 C8089 L8014 C2325 C2323 C8088 L8013 X8001 R8135 L8015 L8010 D2315 R8146...

### [Page 52: D-Board](#)

12.7. D-Board D-BOARD (FOIL SIDE) TZTNP010GYS R032 1 2 3 CR NO. 9 TNPA1901 94V-0 LC007 LC008 LC009 SEE REVERSE FOR ORDER NO. IC001 IC000 C040 D011 C207 R366 R468 R474 D002 D001 R460 R186 R540 R452 R451 R458 C215 R036 IC002 R467...

[Page 53](#) PARTS LOCATION PARTS LOCATION D-BOARD (FOIL SIDE) D-BOARD (COMPONENT SIDE) IC504 IC302 TRANSISTOR TRANSISTOR IC506 IC352 IC000 Q001 IC003 Q014 IC507 IC400 IC001 IC007 Q015 IC510 Q002 IC401 IC002 IC008 Q016 IC511 Q003 IC402 IC005 Q005 IC009 Q017 IC512 IC403 IC019 IC010 Q018...

[Page 54](#) D-BOARD (COMPONENT SIDE) TZTNP010GYS JK001 JK002 JK003 TNPA1901 CR NO. 9 R009 R011 R010 R465 R014 C011 IC211 C460 R120 R872 R454 LC004 LC002 C242 R336 LC003 LC005 R453 IC903 IC904 C201 C461 C269 D007 D005 D008 D006 D009 D003 R466 R215 C935...

### [Page 55: C1-Board](#)

12.8. C1-Board C1-BOARD (FOIL SIDE) TNPA1914 TNPA1914 SEE REVERSE FOR ORDER NO. 1 2 3 C1-BOARD (COMPONENT SIDE) TNPA1914 R7105 TNPA1914 IC7101...

### [Page 56: C2-Board](#)

12.9. C2-Board C2-BOARD (FOIL SIDE) TNPA1915 1 2 3 TNPA1915 1 SEE REVERSE FOR ORDER NO. C2-BOARD (COMPONENT SIDE) TNPA1915 TNPA1915 IC7132 R7150 C7134 R7131 R7132 R7141 R7133 R7142 R7134 R7143 R7144 IC7131...

### [Page 57: C3-Board](#)

12.10. C3-Board C3-BOARD (FOIL SIDE) TNPA1916 TNPA1916 1 2 3 SEE REVERSE FOR ORDER NO. C3-BOARD (COMPONENT SIDE) TNPA1916 R7165 CA11 CA10 TNPA1916 C7161 IC7161 R7161 R7162 R7163 R7164...

### [Page 58: C4-Board](#)

12.11. C4-Board C4-BOARD (FOIL SIDE) TNPA1917 TNPA1917 1 2 3 SEE REVERSE FOR ORDER NO. C4-BOARD (COMPONENT SIDE) TNPA1917 TNPA1917 C7263 Q7261 Q7262 IC7261 R7276 R7278 R7265 R7266 R7267 C4MM1 R7268 CB10 CB11 R7273...

### [Page 59: C5-Board](#)

12.12. C5-Board C5-BOARD (FOIL SIDE) TNPA1918 TNPA1918 1 SEE REVERSE FOR ORDER NO. C5-BOARD (COMPONENT SIDE) TNPA1918 C7233 R7236 R7251 C5MM1 R7252 R7237 R7238 R7239 R7253 IC7231 R7254 TNPA1918...

### [Page 60: C6-Board](#)

12.13. C6-Board C6-BOARD (FOIL SIDE) TNPA1919 1 2 3 TNPA1919 SEE REVERSE FOR ORDER NO. C6-BOARD (COMPONENT SIDE) TNPA1919 C6MM1 TNPA1919 R7205...

### [Page 61: C7-Board](#)

12.14. C7-Board C7-BOARD (FOIL SIDE) TNPA1993 C332 TNPA199 SEE REVERSE FOR ORDER NO. CR No.7 1 2 3 C303 C333 C301 C7MM1 C7-BOARD (COMPONENT SIDE) TNPA1993 IC304 D323 TP301 R322 R323 R332 R331 Q313 Q314 D326 D327 D322 R333 TNPA1993 2 R330 TP302 C319...

### [Page 62: C8-Board](#)

12.15. C8-Board C8-BOARD (FOIL SIDE) TNPA2277 C432 2 C8 TNPA2277 SEE REVERSE FOR ORDER NO. CR No.7 C8MM1 C8-BOARD (COMPONENT SIDE) TNPA2277 C429 D423 IC404 R431 R432 D426 R433 R422 D422 R430 Q418 D416 D420 D415 L425 R438 TNPA2277 CRNo.7 Q417 L412 Q411...

### [Page 63: Sc-Board](#)

12.16. SC-Board SC-BOARD (FOIL SIDE) TNPA1922...

[Page 64](#) PARTS LOCATION PARTS LOCATION SC-BOARD (FOIL SIDE) SC-BOARD (COMPONENT

SIDE) Q6613 TP13 TP45 Q6516 Q6605 Q6646 TRANSISTOR Q6614 TP14 TP47 Q6517 Q6606 Q6648 Q6510 IC6500 Q6615 TP15 TP48 Q6518 Q6607 Q6649 Q6522 IC6501 Q6615 TP16 TP49 Q6519 Q6608 Q6650 Q6523 IC6502 Q6616 TP17...

[Page 65](#) SC-BOARD (COMPONENT SIDE) TNPA1922...

### [Page 66: Sd-Board](#)

12.17. SD-Board SD-BOARD (FOIL SIDE) TNPA1921 TNPA1921 SEE REVERSE FOR ORDER NO. SD-BOARD (COMPONENT SIDE) TNPA1921 C6427 IC6416 R6424 C6425 C6426 C6424 D6415 R6423 D6414 R6427 C6422 D6413 C6423 R6425 R6428 D6411 D6412 D6416 TNPA1921 C6421 R6421...

### [Page 67: Su-Board](#)

12.18. SU-Board SU-BOARD (FOIL SIDE) TNPA1920 TNPA1920 SEE REVERSE FOR ORDER NO. SU-BOARD (COMPONENT SIDE) TNPA1920 IC6404 D6401 R6403 D6404 C6403 R6407 D6405 C6404 R6406 D6403 D6407 C6407 D6406 C6406 R6408 C6402 C6412 TNPA1920 C6413...

### [Page 68: Ss, Ss2 And Ss3-Board](#)

12.19. SS, SS2 and SS3-Board SS-BOARD (FOIL SIDE) TNPA1923 SS2-BOARD (FOIL SIDE) SS3-BOARD (FOIL SIDE) TNPA1924 TNPA1925...

[Page 69](#) PARTS LOCATION PARTS LOCATION SS-BOARD (FOIL SIDE) SS-BOARD (COMPONENT SIDE) Q6777 Q6731 TRANSISTOR Q6778 Q6732 Q6703 IC6701 Q6779 Q6740 Q6704 IC6702 Q6783 Q6741 Q6705 IC6703 Q6744 TEST POINT Q6706 IC6704 Q6746 Q6714 IC6705 Q6747 Q6715 IC6706 Q6748 Q6716 IC6707 Q6749 Q6717 IC6709 Q6750...

[Page 70](#) SS-BOARD (COMPONENT SIDE) TNPA1923 SS2-BOARD (COMPONENT SIDE) SS3-BOARD (COMPONENT SIDE) TNPA1924 TNPA1925...

### [Page 71: Block And Schematic Diagrams](#)

14 Panel drive signal wave form TPSC1 SCAN OUTPUT TPSS1 SUSTAIN OUTPUT T1 20 10 s T2 160 20 s VSET Scan TPSC1 VSUS VSUS VSCN VSET2 Sustain VSUS TPSS1 INITIALIZE SCAN PRE-INITIALIZE SUSTAIN ADDRESS PERIOD...

### [Page 72: Main Block Diagram](#)

15 Signal Waveform...

### [Page 73: Block Diagram](#)

16 Mechanical Parts Location...

### [Page 74: P1-Board \(1/2\) Schematic Diagram](#)

A719 A714 A713 A715 A712 A701 A712 A720 A717 A718 A716 A711 A411...

### [Page 75: P1-Board \(2/2\) Schematic Diagram](#)

AC CORD K2CN3DH00001 50WP16R. BRACKET(L) A015 72000675 STAND POLE TMZX5015-2 P801 72000732 AC CORD K2CK3DH00007 50WP16C BRACKET(R) P801 72000734 AC CORD K2CK3DH00002 50WP16A A016 72000676 SCREW XTV3+8J P801 72000744 AC CORD K2CG3DH00025 50HP81 A017 72000677 SCREW XYN4+F38FZ P802 72000700 AC INLET...

### [Page 76: P3 And P4-Board Schematic Diagram](#)

18 Replacement Parts List 18.1. Replacement Parts List Notes...

### [Page 77: P5, P6, P7 And P8-Board Schematic Diagram](#)

18.2. Electrical Replacement Parts List Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks C081 72000190 CAPACITOR, ECJ3XBJ106M C2401 72000205 CAPACITOR, ECJ2XB1H103K 10UF, M,6.3V 0.01UF, K, 50V C2312 72000191 CAPACITOR, ECJ2VF1H103Z C2402 72000916 CAPACITOR, ECA1VM470 0.01UF, Z, 50V 47UF, 35V C2313...

## [Page 78: P9 And F-Board Schematic Diagram](#)

Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No.  
Remarks C2460 72000202 CAPACITOR, ECJ2XB1H473K C3538 72000907 CAPACITOR,  
EEVHB1C470 0.047UF, K, 50V 47UF, 16V C2461 72000220 CAPACITOR, ECJ2XC1H102J C3539  
72000907 CAPACITOR, EEVHB1C470 1000PF, J, 50V 47UF, 16V C2462 72000220 CAPACITOR,...

## [Page 79: H-Board Block Diagram](#)

Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No.  
Remarks C3578 72000196 CAPACITOR, ECJ2VF1H104Z C427 72000234 CAPACITOR,  
ECKD3A101KBP 0.1UF, Z, 50V 100PF, K, 1KV C3579 72000196 CAPACITOR, ECJ2VF1H104Z C428  
72000244 CAPACITOR, ECQV1H104JM 0.1UF, Z, 50V 0.1UF, J, 50V C3580 72000196  
CAPACITOR,...

[Page 80](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks C479 72000262 CAPACITOR, EETHC2E102K C606 72000265 CAPACITOR, P 1UF,  
ECQV1H105JM 1000UF, 250V J, 50V C480 72000262 CAPACITOR, EETHC2E102K C607 72000260  
CAPACITOR, ECA1HHG4R7 1000UF, 250V 4.7UF, 50V C481 72000243 CAPACITOR,...

[Page 81](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks C739 72000284 CAPACITOR, ECQB1H102JF C8014 72000190 CAPACITOR,  
ECJ3XB0J106M 1000PF, J, 50V 10UF, M, 6.3V C740 72000284 CAPACITOR, ECQB1H102JF C8015  
72000295 CAPACITOR, C 1UF, ECJ3XB1C105K 1000PF, J, 50V K, 16V C741 72000243...

[Page 82](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks C8057 72000224 CAPACITOR, ECJ2VF1C104Z C8103 72000293 CAPACITOR,  
ECJ2YF1C225Z 0.1UF, Z, 16V 22PF, J, 16V C8058 72000224 CAPACITOR, ECJ2VF1C104Z C8105  
72000224 CAPACITOR, ECJ2VF1C104Z 0.1UF, Z, 16V 0.1UF, Z, 16V C8059 72000224  
CAPACITOR,...

[Page 83](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks C8164 72000224 CAPACITOR, ECJ2VF1C104Z C932 72000282 CAPACITOR,  
ECKF1H101KB 0.1UF, Z, 16V 100PF, K, 50V C8165 72000224 CAPACITOR, ECJ2VF1C104Z C934  
72000252 CAPACITOR, ECQB1H103JF 0.1UF, Z, 16V 0.01UF, J, 50V C8166 72000907  
CAPACITOR,...

[Page 84](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks D403 72000334 DIODE, MA4300H, MA4300H D476 72000342 DIODE, AK04 AK04  
ZENER D477 72000342 DIODE, AK04 AK04 D404 72000335 DIODE, D1NL20UV70 D1NL20UV70  
D478 72000348 DIODE, MA167 MA167 D405 72000336 DIODE, MA700A...

[Page 85](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks D751 72000327 DIODE, MA152K MA152K IC406 72000398 UPC1093J, UPC1093J  
LINEAR D752 72000327 DIODE, MA152K MA152K IC407 72000399 SI-8050S, SI-8050S D753  
72000374 DIODE, MA3033L, MA3033L HYBRID ZENER IC410 72000398 UPC1093J,...

[Page 86](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks JK3504 72000425 CONNECTOR K1QBB5AB0003 L3536 72000435 CHIP INDUCTOR,  
ELJPA100KB ELJPA100KB JK3505 72000426 JACK K2HA202B0025 L401 72000438 CHOKE COIL,  
TLPF102 JK3506 72000426 JACK K2HA202B0025 TLPF102 JK3507 72000427 CONNECTOR  
K1QBB1AB0008 L402...

[Page 87](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks LC8003 72000450 FILTER, TAX10079 TAX10079 Q3528 72000452 TRANSISTOR,  
2SD601A 2SD601A LF400 72000451 LINE FILTER, ELF11M010E ELF11M010E Q3529 72000452  
TRANSISTOR, 2SD601A 2SD601A Q082 72000452 TRANSISTOR, 2SD601A 2SD601A Q3530  
72000452 TRANSISTOR,...

[Page 88](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference  
No. Remarks Q434 72000464 TRANSISTOR, 2SB940 Q926 72000468 TRANSISTOR, 2SD1264  
2SB940 2SD1264 Q436 72000465 TRANSISTOR, 2SC1473A Q927 72000465 TRANSISTOR,  
2SC1473A 2SC1473A 2SC1473A Q600 72000460 TRANSISTOR, 2SC3311A Q932 72000463  
TRANSISTOR, 2SB621A 2SC3311A...

[Page 89](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference

No. Remarks R2343 72000486 RESISTOR, ERJ6GEYJ103 R2448 72000474 RESISTOR, ERJ6GEYJ102 10KOHM,J,1/10W 1KOHM,J,1/10W R2344 72000473 RESISTOR, ERJ6GEY0R00 R2450 72000492 RESISTOR, ERJ6GEYJ563 OHM,J,1/10W 56KOHM,J,1/10W R2345 72000471 RESISTOR, ERJ6GEYJ471 R2452 72000477 RESISTOR, ERJ6GEYJ473 OHM,J,1/10W...

[Page 90](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R3523 72000499 RESISTOR, ERJ6ENF75R0 R3567 72000486 RESISTOR, ERJ6GEYJ103 OHM, 1/10W 10KOHM,J,1/10W R3524 72000476 RESISTOR, ERJ6GEYJ472 R3568 72000495 RESISTOR, ERJ6GEYJ101 4.7KOHM,J,1/10W OHM,J,1/10W R3525 72000476 RESISTOR, ERJ6GEYJ472 R3569 72000486 RESISTOR, ERJ6GEYJ103...

[Page 91](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R3610 72000493 RESISTOR, ERJ6GEYJ333 R3650 72000493 RESISTOR, ERJ6GEYJ333 33KOHM,J,1/10W 33KOHM,J,1/10W R3611 72000476 RESISTOR, ERJ6GEYJ472 R3651 72000930 RESISTOR, ERJ6GEYJ153 4.7KOHM,J,1/10W 15KOHM,J,1/10W R3612 72000476 RESISTOR, ERJ6GEYJ472 R3652 72000493 RESISTOR, ERJ6GEYJ333 4.7KOHM,J,1/10W...

[Page 92](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R3695 72000486 RESISTOR, ERJ6GEYJ103 R3744 72000486 RESISTOR, ERJ6GEYJ103 10KOHM,J,1/10W 10KOHM,J,1/10W R3696 72000486 RESISTOR, ERJ6GEYJ103 R3745 72000486 RESISTOR, ERJ6GEYJ103 10KOHM,J,1/10W 10KOHM,J,1/10W R3697 72000930 RESISTOR, ERJ6GEYJ153 R3746 72000486 RESISTOR, ERJ6GEYJ103 15KOHM,J,1/10W...

[Page 93](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R404 72000506 RESISTOR, TARAFR06R8JC R446 72000520 RESISTOR, ERDS1FJ472 OHM, J, 7W 4.7KOHM, J,1/2W R405 72000506 RESISTOR, TARAFR06R8JC R447 72000511 RESISTOR, ERDS1FJ103 OHM, J, 7W 10KOHM, J,1/2W R406 72000507 RESISTOR,...

[Page 94](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R500 72000540 RESISTOR, ERDS2TJ471 R555 72000536 RESISTOR, ERDS2TJ472 OHM, J,1/4W 4.7KOHM, J,1/4W R502 72000536 RESISTOR, ERDS2TJ472 R556 72000525 RESISTOR, ERDS2TJ103 4.7KOHM, J,1/4W 10KOHM, J,1/4W R503 72000541 RESISTOR, ERDS2TJ220 R557...

[Page 95](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R618 72000478 RESISTOR, ERJ6GEYJ223 R700 72000584 RESISTOR, ERJ6GEYJ391 22KOHM,J,1/10W OHM,J,1/10W R619 72000475 RESISTOR, ERJ6GEYJ222 R701 72000585 RESISTOR, ERJ6GEYJ680 2.2KOHM,J,1/10W OHM,J,1/10W R620 72000480 RESISTOR, ERJ6GEYJ562 R702 72000585 RESISTOR, ERJ6GEYJ680 5.6KOHM,J,1/10W...

[Page 96](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R764 72000486 RESISTOR, ERJ6GEYJ103 R8014 72000497 RESISTOR, ERJ6GEYJ220 10KOHM,J,1/10W OHM,J,1/10W R765 72000476 RESISTOR, ERJ6GEYJ472 R8015 72000472 RESISTOR, ERJ6GEYJ271 4.7KOHM,J,1/10W OHM,J,1/10W R766 72000477 RESISTOR, ERJ6GEYJ473 R8016 72000750 RESISTOR, ERJ6ENF1001 47KOHM,J,1/10W...

[Page 97](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R8055 72000604 RESISTOR, ERJ6ENF2210 R8112 72000625 RESISTOR, EXB38V330J OHM, 1/10W RESISTOR ARRAY R8056 72000475 RESISTOR, ERJ6GEYJ222 R8113 72000625 RESISTOR, EXB38V330J 2.2KOHM,J,1/10W RESISTOR ARRAY R8057 72000474 RESISTOR, ERJ6GEYJ102 R8114 72000480...

[Page 98](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R8190 72000497 RESISTOR, ERJ6GEYJ220 R8432 72000581 RESISTOR, ERJ6GEYJ152 OHM,J,1/10W 1.5KOHM,J,1/10W R8191 72000628 RESISTOR, ERJ6GEYJ180 R8434 72000492 RESISTOR, ERJ6GEYJ563 OHM,J,1/10W 56KOHM,J,1/10W R8194 72000495 RESISTOR, ERJ6GEYJ101 R8435 72000478 RESISTOR, ERJ6GEYJ223 OHM,J,1/10W...

[Page 99](#) Loc. Part No. Description Reference No. Remarks Loc. Part No. Description Reference No. Remarks R963 72000642 RESISTOR, ERG3FJS183D 72701197 BOARD ASSY, TNPA1756AB 18KOHM, J, 3W H3, TNPA1756AB R964 72000643 RESISTOR, ERG12SJ100 72701198 BOARD ASSY, TXNP110L32 OHM, J,1/2W P1, TXNP110L32 R965 72000542 RESISTOR, ERDS2TJ152...



## [Page 100: Specifications](#)

19 Specifications Specifications Power Source: AC220 - 240V 50/60Hz (50WP16SERIES) AC120V 50/60Hz (50HP81) Power Consumption: 530 W 3.0W (stand-by condition) 1.4W (Power off condition) Plasma Display panel: Drive method AC type 50-inch, 16:9 aspect ratio Contrast Ratio 3000:1 Brightness Capability (Panel only) 500 cd / m (As a set) 300 cd / m Screen size:...

This manual is also suitable for:

[50hp8150wp16c50wp16h50wp16r50wp16ea](#)