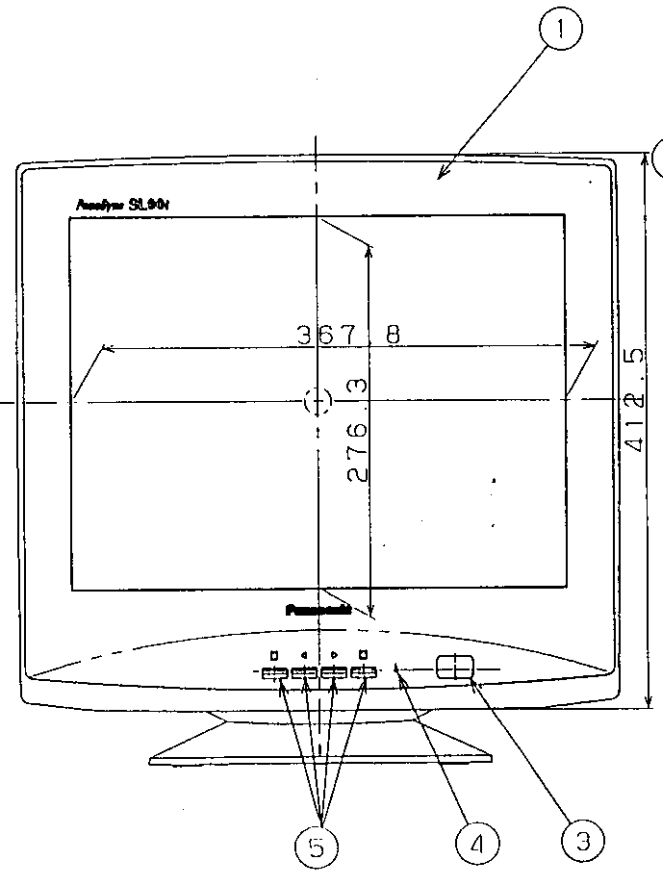
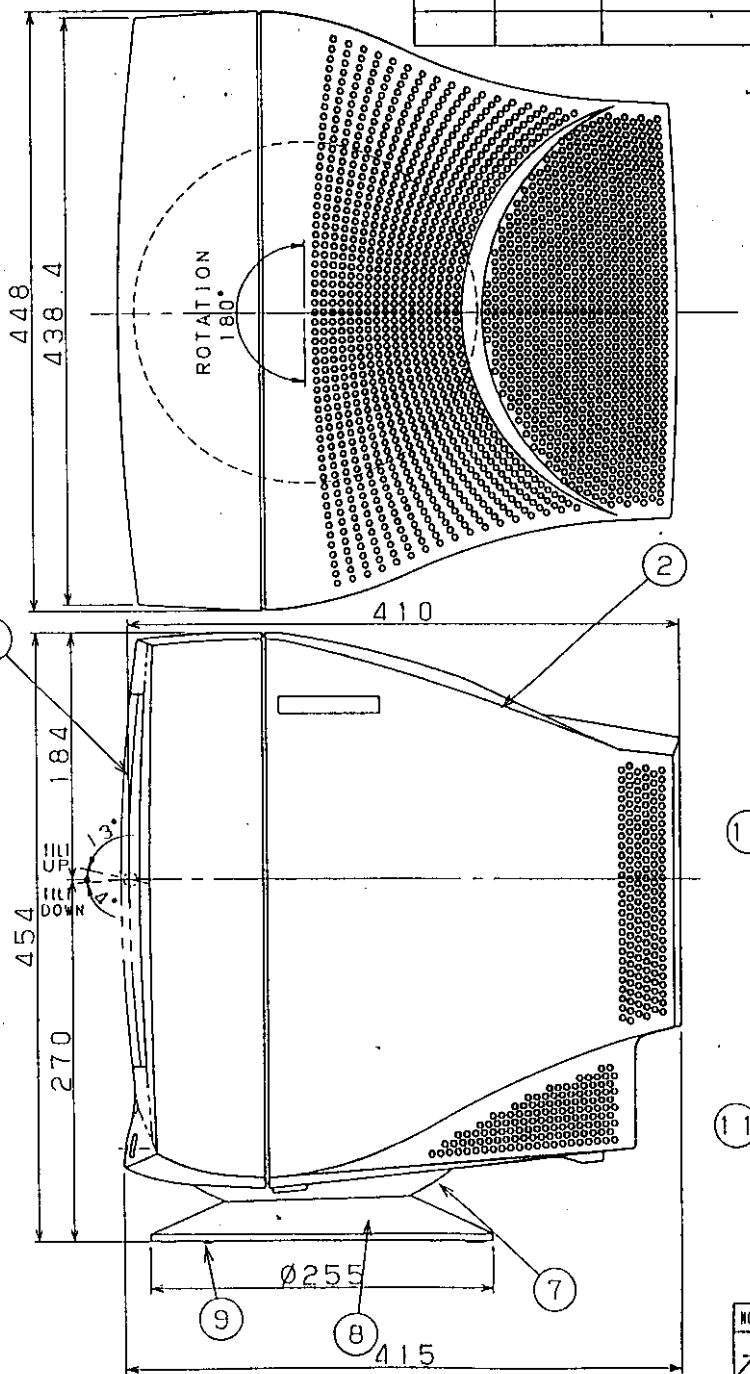
PART NAME	MATERIAL	COLOR	REMARK
FRONT CABINET	PC+ABS	IVORY	TEXTURE, PRINT COLOR:GRAY
REAR CABINET	PC+ABS	IVORY	TEXTURE
POWER SW	ABS	IVORY	TEXTURE
POWER PILOT LED	PC	(GREEN)	
CONTROL BUTTON	ABS	IVORY	TEXTURE
19' COLOR SHORT-CRT			
BOTTOM CABINET	ABS	IVORY	
PEDESTAL	ABS	IVORY	TEXTURE
LEG	URETHANE	BLACK	
AC LECEPTACLE		BLACK	
CONNECTOR			BNC (X5) ;R, G, B, H/V-SYNC
CONNECTOR			D-SUB Mini15P
NAME PLATE	POLYESTER SHEET	IVORY	LETTER:BLACK

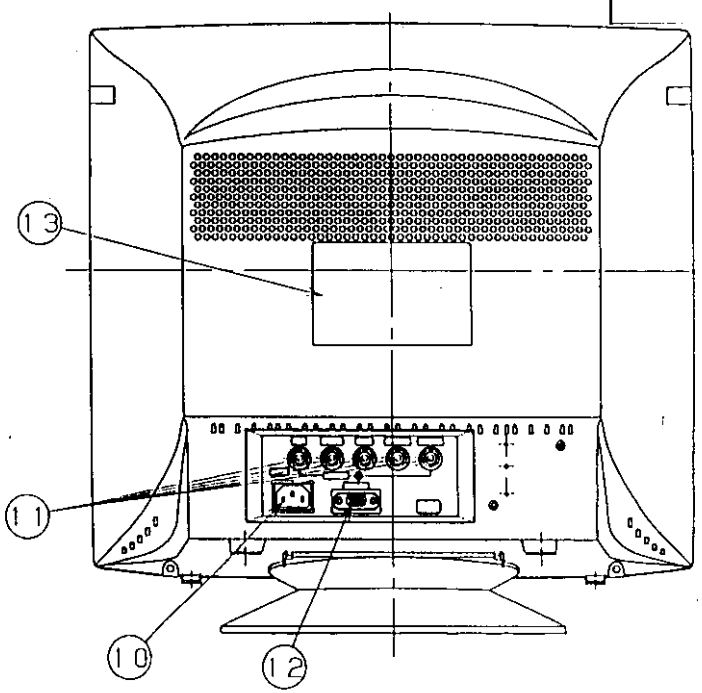
SYM.	DATE	REVISION	SIGNED	CHECKED

FACTORY CONTROL NO. : FVD-99-F002
FCC ID. : ACJ93312141

TYPE : A







NOTE						ENG. DEPT. SECT.
	KONAGAYA	NAKAJIMA				PART NO.
	NOV.13.'98	NOV.13.'98	A.KONAGAYA	OSASAYARA		TITLE TX-D9555-G GAIKAN
SCALE	DESIGNED	DRAWN	CHECKED1	CHECKED2	APPROVED	NO.

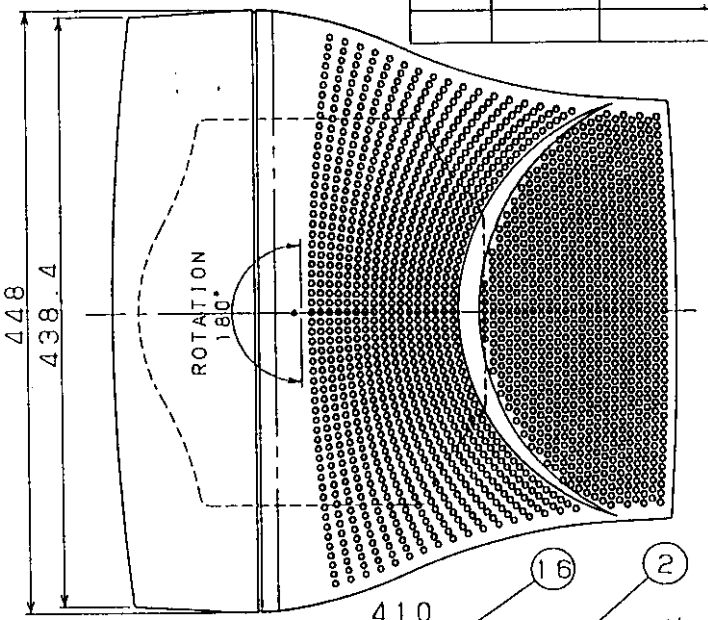
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. DISPLAY MONITOR DIVISION

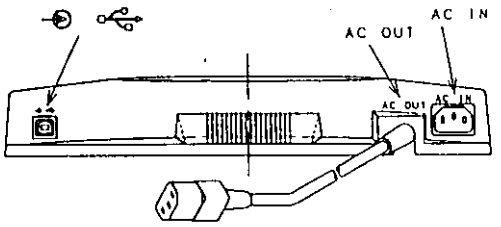
3RD ANGLE SYSTEM UNIT:

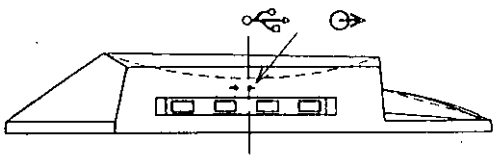
PART NAME	MATERIAL	COLOR	REMARK
FRONT CABINET	PC+ABS	IVORY	TEXTURE, PRINT COLOR:GRAY
REAR CABINET	PC+ABS	IVORY	TEXTURE
POWER SW	ABS	IVORY	TEXTURE
POWER PILOT LED	PC	(GREEN)	
CONTROL BUTTON	ABS	IVORY	TEXTURE
19" COLOR SHORT-CRT			
BOTTOM CABINET	PC+ABS	IVORY	
PEDESTAL	PC+ABS	IVORY	TEXTURE
LEG	URETHANE	BLACK	
AC LECEPTACLE		BLACK	
CONNECTOR			BNC (X5) ; R, G, B, H/V-SYNC
CONNECTOR			D-SUB Mini15P
NAME PLATE	POLYESTER SHEET	SILVER	LETTER:BLACK
USB CONNECTOR			
AC CORD			
SCREW COVER	ABS+PVC	IVORY	TEXTURE

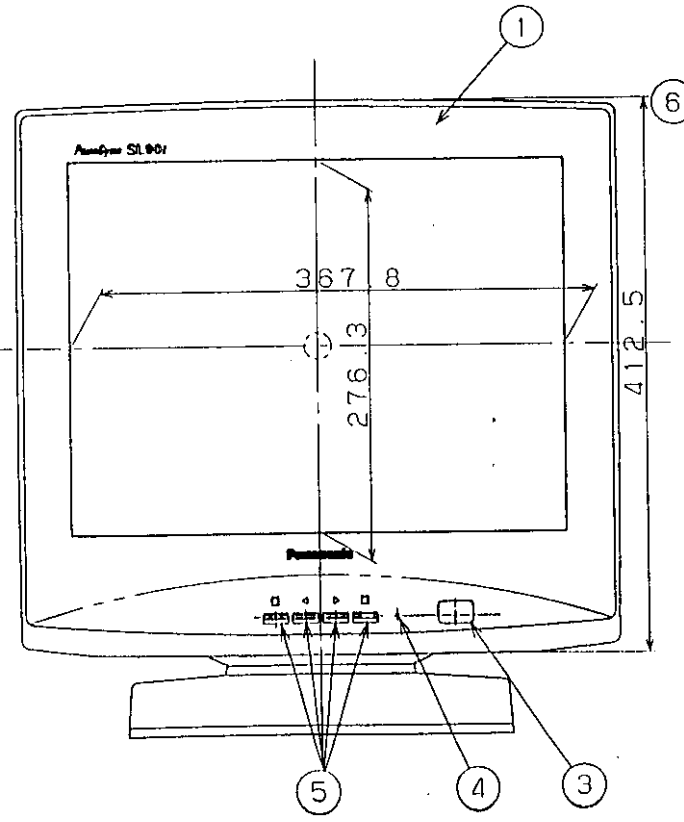
SYM.	DATE	REVISION	SIGNED	CHECKED

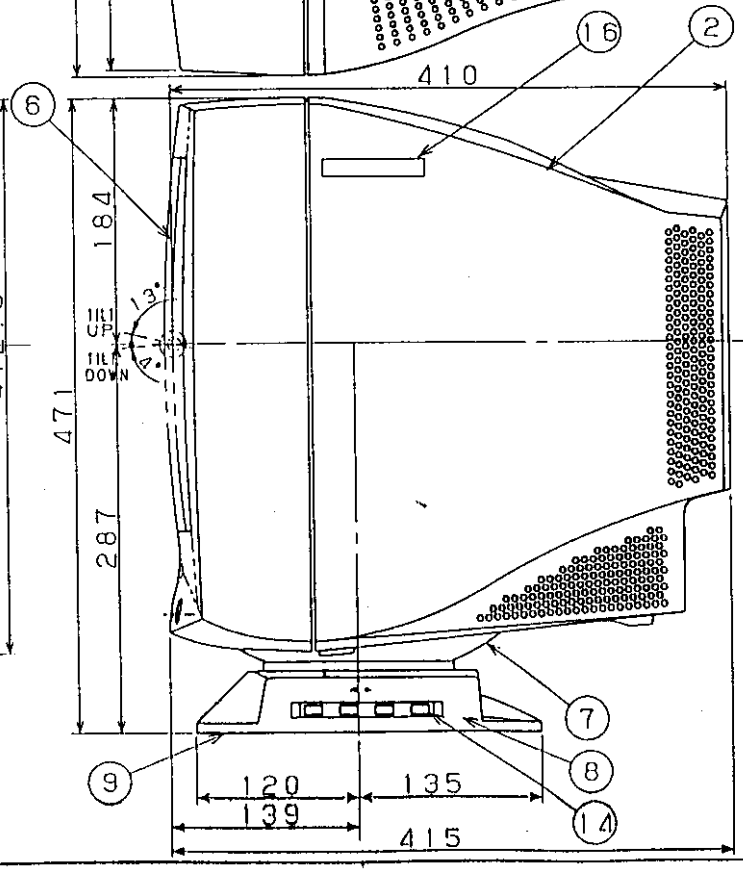
TYPE : B

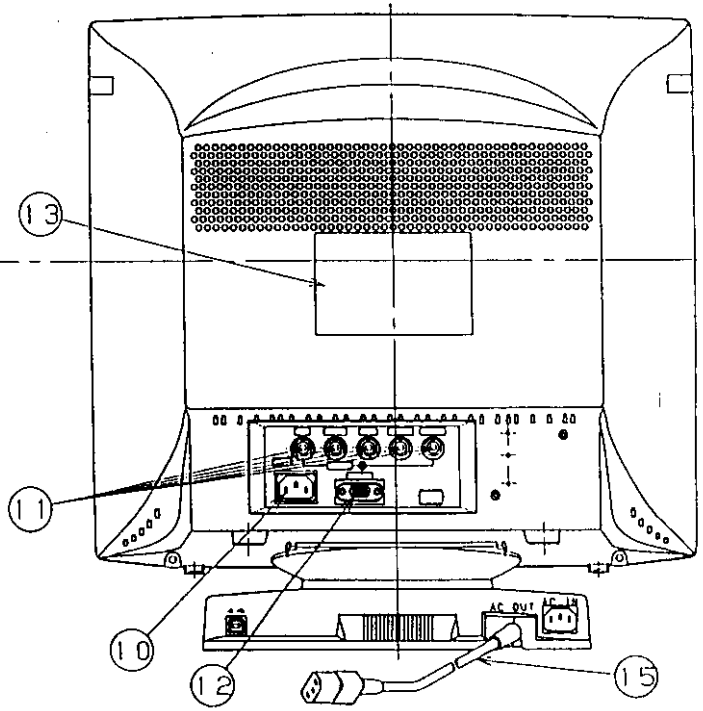












SCALE	DESIGNED	DRAWN	CHECKED	CHECKED	APPROVED	PART NO.
	KONAGAYA	Y. MUTOH	Y. MUTOH	A KONAGAYA	OGASAWARA	TX-09555 GAIKAN
		NOV. 11. '05				

FACTORY CONTROL NO. : FVD-99-F002
FCC ID. : ACJ93312141

DISPLAY MONITOR DIVISION
AVC COMPANY
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

1998.9.29
REV-000a

ENGINEERING SPECIFICATIONS (TENTATIVE)

TX-D9S55 (HV12H 19") DIGITAL MULTI-SCAN CHASSIS

<FEATURES>
(1) SHORTER DEPTH WITH LARGE SCREEN
(2) FLICKER FREE SCREEN AT fV 75Hz FOR 1600 x 1200 RESOLUTION
(3) ORIGINAL SSP III LSI (Super Signal Processor)
(4) HIGH CONTRAST/BRIGHTNESS WITH CRYSTAL PIGMENT PHOSPHOR
(5) NEW ON-SCREEN DISPLAY CONTROL (5 LANGUAGES)
(6) SELF TEST FUNCTION (NON-CONNECTION WITH COMPUTER)
(7) DDC1/2B BASED ON VESA STANDARD
(8) POWER MANAGEMENT BASED ON VESA STANDARD WITH 3W MAX.

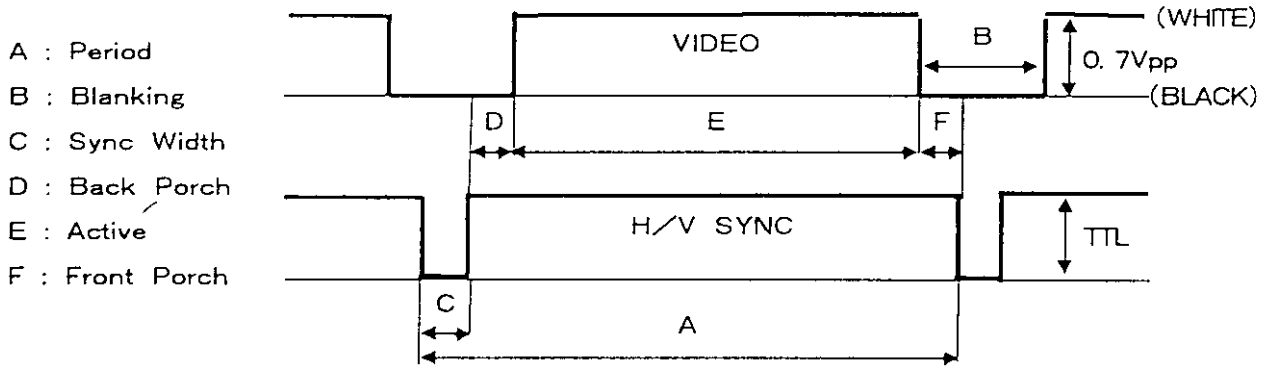
[1] CRT :	TYPE	19" (18.0" Viewable), 0.26mm Dot Pitch, 100Deg, Dia.29mm
	PHOSPHOR	RGB Medium Short Persistence (Hi-Eu Red), Crystal Pigment
	GLASS, SURFACE	Dark Tint (TM = 46.0%), Advanced AGRAS Coat (Anti-Glare, anti-Reflection & Anti-Static)
[2] INPUT SIGNAL :	VIDEO	RGB Analog (75 Ohms, 0.7/1.0Vp-p)
	SYNC	H/V Separate (TTL), H/V Composite (TTL), Sync-on-Green
		fH=30 - 97kHz, fV=50 - 180Hz
	PRESET MODES	1600 x 1200 (Non-I/L), etc. / Factory : 1+(7) User : 20
	H.BLANKING TIME	2.7u sec. (min.)
	V.BLANKING TIME	0.5m sec. (min.)
[3] CONNECTOR :	SIGNAL INPUT	BNC (x5) & 15Pin mini D-Sub (IBM PS/2 Compatible)
	POWER	3-Pin Plug (CEE22)
[4] POWER :	VOLTAGE	90 - 132, 198 - 264Vac (Auto-switching)
	CONSUMPTION	125W (typ.)
	POWER SAVE	VESA Standard (DPMS) Suspend/<=10W, Off/<=3W
[5] CONTROLS :	FRONT	Power ON/OFF
	OSD	Contrast, Brightness, H/V Size, H/V Position, V.Pincushion Pincushion Balance/Top & Bottom Corner/S-Curve1 & 2 Trapezoid, Parallelogram, Degauss, Color, Video Level, Recall Input Select, Disp Frequency, H/V Moire, Rotation OSD Language/Position, Zoom, H/V Convergence, V.Linearity
[6] VIDEO :	VIDEO CLOCK	202MHz (max.)
[7] MAX. BRIGHTNE	(9300k + 8MPCD)	110 cd/m^2 (typ.) at White Flat Field 130 cd/m^2 (typ.) at White Window
[8] MISCONVERGENCE :		0.3mm (max.) at Center Area 0.4mm (max.) at Corner Area (Factory setting display area)
[9] DISPLAY AREA :	FACTORY SETTING	352(H) x 264(V) mm (typ.)
	FULL SCAN	366(H) x 274(V) mm (typ.)
[10]OPERATING CONDITION :	TEMPERATURE	0 - 35Deg. C
	HUMIDITY	5 - 90% (Non-condensation)
[11] DIMENSIONS :		448(W) x 454(H) x 415(D) mm
[12] WEIGHT :		20.5kg (typ.) (Net)
[13] SAFETY/REGULATIONS :		UL, CSA, TUV/GS, NORDIC, FCC-B, IC-B, CISPR-B, DHHS HC, PTB, CE, MPR II, TCO'92/'95/'99 (optional)

7. 3 STANDARD TIMING

- Following MODE1 is preset in the memory as standard timing at the factory and other 7modes are roughly aligned as RESERVATION TIMING.
- Fig − 1 shows a definition of timing and signal level
- Electrical performance is specified based on MODE1(1280×1024 @85Hz) unless otherwise mentioned.

Fig − 1 : TIMING CHART

< HORIZONTAL ／ VERTICAL >



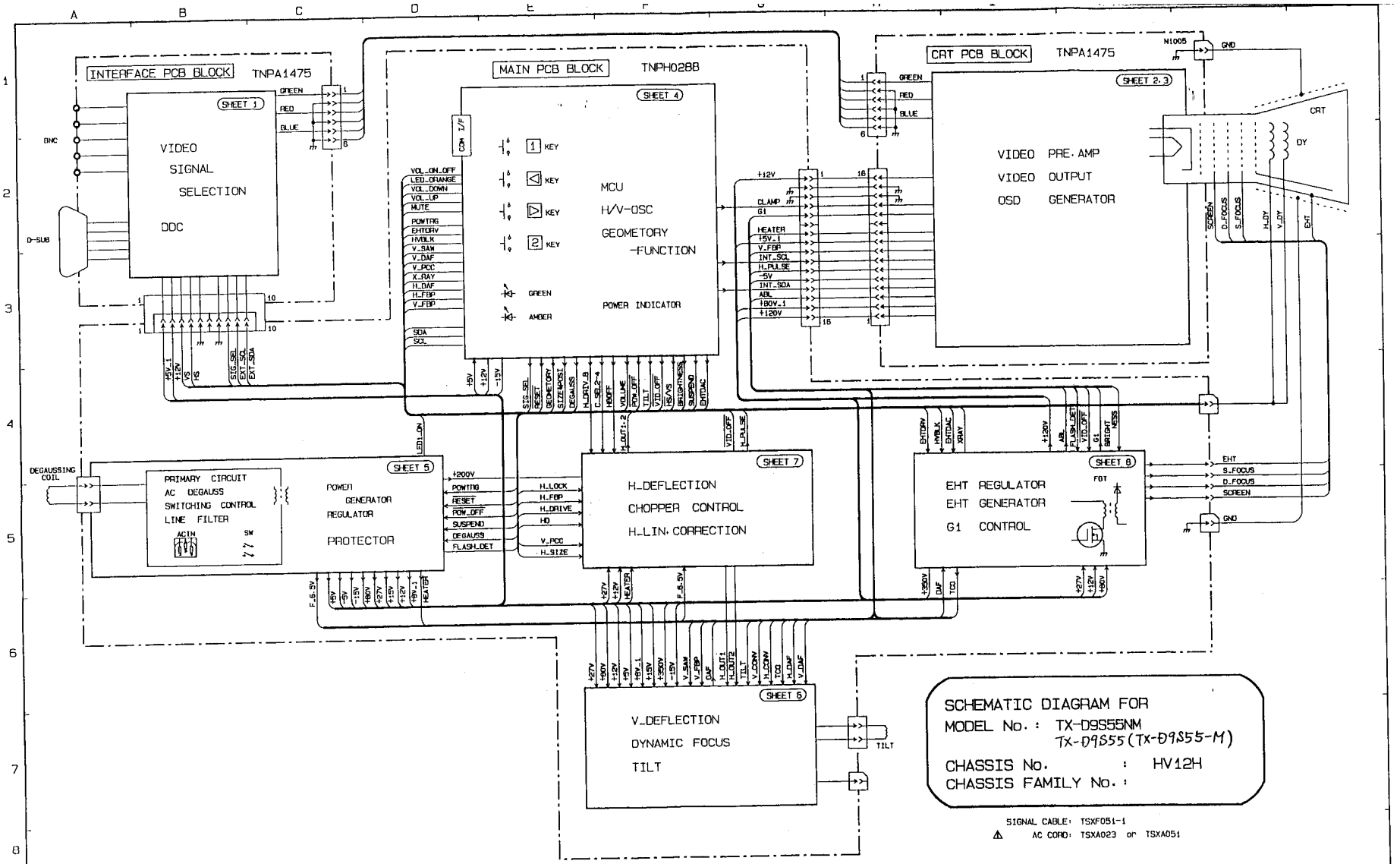
1) PRESET TIMING (STANDARD TIMING)

		MODE 1
		VESA Standard 1280×1024 @85Hz
DOT CLOCK		157. 500MHz
HORIZ	fH	91. 146kHz
	A−Period	10. 971us (1728 dots)
	B−Blanking	2. 844us (448 dots)
	C−Sync width	1. 016us (160 dots)
	D−Back porch	1. 422us (224 dots)
	E−Active	8. 127us (1280 dots)
	F−Front porch	0. 406us (64 dots)
VERT	fV	85. 024Hz
	A−Period	11. 761ms (1072 lines)
	B−Blanking	0. 527ms (48 lines)
	C−Sync width	0. 033ms (3 lines)
	D−Back porch	0. 483ms (44 lines)
	E−Active	11. 235ms(1024 lines)
	F−Front porch	0. 011ms (1 line)
Sync polarity (H／V)		Positive ／ Positive

2) RESERVATION TIMING

		MODE 2	MODE 3	MODE 4	MODE 5
		VGA 640×480 @60Hz	VESA Standard 800×600 @85Hz	VESA Standard 1024×768 @85Hz	MAC 1152×870 @75Hz
DOT CLOCK		25. 1750MHz	56. 250MHz	94. 500MHz	100. 0000MHz
HORIZ	fH	31. 469kHz	53. 674kHz	68. 677kHz	68. 681kHz
	A−Period	31. 778us (800 dots)	18. 631us (1048 dots)	14. 561us (1376 dots)	14. 560us (1456 dots)
	B−Blanking	6. 356us (160 dots)	4. 409us (248 dots)	3. 725us (352 dots)	3. 040us (304 dots)
	C−Sync width	3. 813us (96 dots)	1. 138us (64 dots)	1. 016us (96 dots)	1. 280us (128 dots)
	D−Back porch	1. 907us (48 dots)	2. 702us (152 dots)	2. 201us (208 dots)	1. 440us (144 dots)
	E−Active	25. 422us (640 dots)	14. 222us (800 dots)	10. 836us (1024 dots)	11. 520us (1152 dots)
	F−Front porch	0. 636us (16 dots)	0. 569us (32 dots)	0. 508us (48 dots)	0. 320us (32 dots)
VERT	fV	59. 940Hz	85. 061Hz	84. 997Hz	75. 061Hz
	A−Period	16. 683ms (525 lines)	11. 756ms (631 lines)	11. 765ms (800 lines)	13. 322ms (915 lines)
	B−Blanking	1. 430ms (45 lines)	0. 578ms (31 lines)	0. 582ms (32 lines)	0. 655ms (45 lines)
	C−Sync width	0. 064ms (2 lines)	0. 056ms (3 lines)	0. 044ms (3 lines)	0. 044ms (3 lines)
	D−Back porch	1. 049ms (33 lines)	0. 503ms (27 lines)	0. 524ms (28 lines)	0. 568ms (39 lines)
	E−Active	15. 253ms (480 lines)	11. 179ms (600 lines)	11. 183ms (1024 lines)	12. 667ms(870 lines)
	F−Front porch	0. 318ms (10 lines)	0. 019ms (1 line)	0. 015ms (1 line)	0. 044ms (3 line)
Sync polarity (H/V)		Negative / Negative	Positive / Positive	Positive / Positive	Negative / Negative

		MODE 6	MODE 7	MODE 8
		VESA Standard 1280×1024 @75Hz	VESA Standard 1600×1200 @70z	VESA Standard 1600×1200 @75Hz
DOT CLOCK		135. 0000MHz	189. 000MHz	202. 500MHz
HORIZ	fH	79. 976kHz	87. 500kHz	93. 750kHz
	A−Period	12. 504us (1688 dots)	11. 429us (2160 dots)	10. 667us (2160 dots)
	B−Blanking	3. 022us (408 dots)	2. 963us (560 dots)	2. 765us (560 dots)
	C−Sync width	1. 067us (144 dots)	1. 016us (192 dots)	0. 948us (192 dots)
	D−Back porch	1. 837us (248 dots)	1. 608us (304 dots)	1. 501us (304 dots)
	E−Active	9. 481us (1280 dots)	8. 466us (1600 dots)	7. 901us (1600 dots)
	F−Front porch	0. 119us (16 dots)	0. 339us (64 dots)	0. 316us (64 dots)
VERT	fV	75. 025Hz	70. 000Hz	75. 000Hz
	A−Period	13. 329ms (1066 lines)	14. 286ms (1250 lines)	13. 333ms (1250 lines)
	B−Blanking	0. 525ms (42 lines)	0. 571ms (50 lines)	0. 533ms (50 lines)
	C−Sync width	0. 038ms (3 lines)	0. 034ms (3 lines)	0. 032ms (3 lines)
	D−Back porch	0. 475ms (38 lines)	0. 526ms (46 lines)	0. 491ms (46 lines)
	E−Active	12. 804ms (1024 lines)	13. 714ms (1200 lines)	12. 800ms (1200 lines)
	F−Front porch	0. 013ms (1 line)	0. 011ms (1 line)	0. 011ms (1 line)
Sync polarity (H/V)		Positive / Positive	Positive / Positive	Positive / Positive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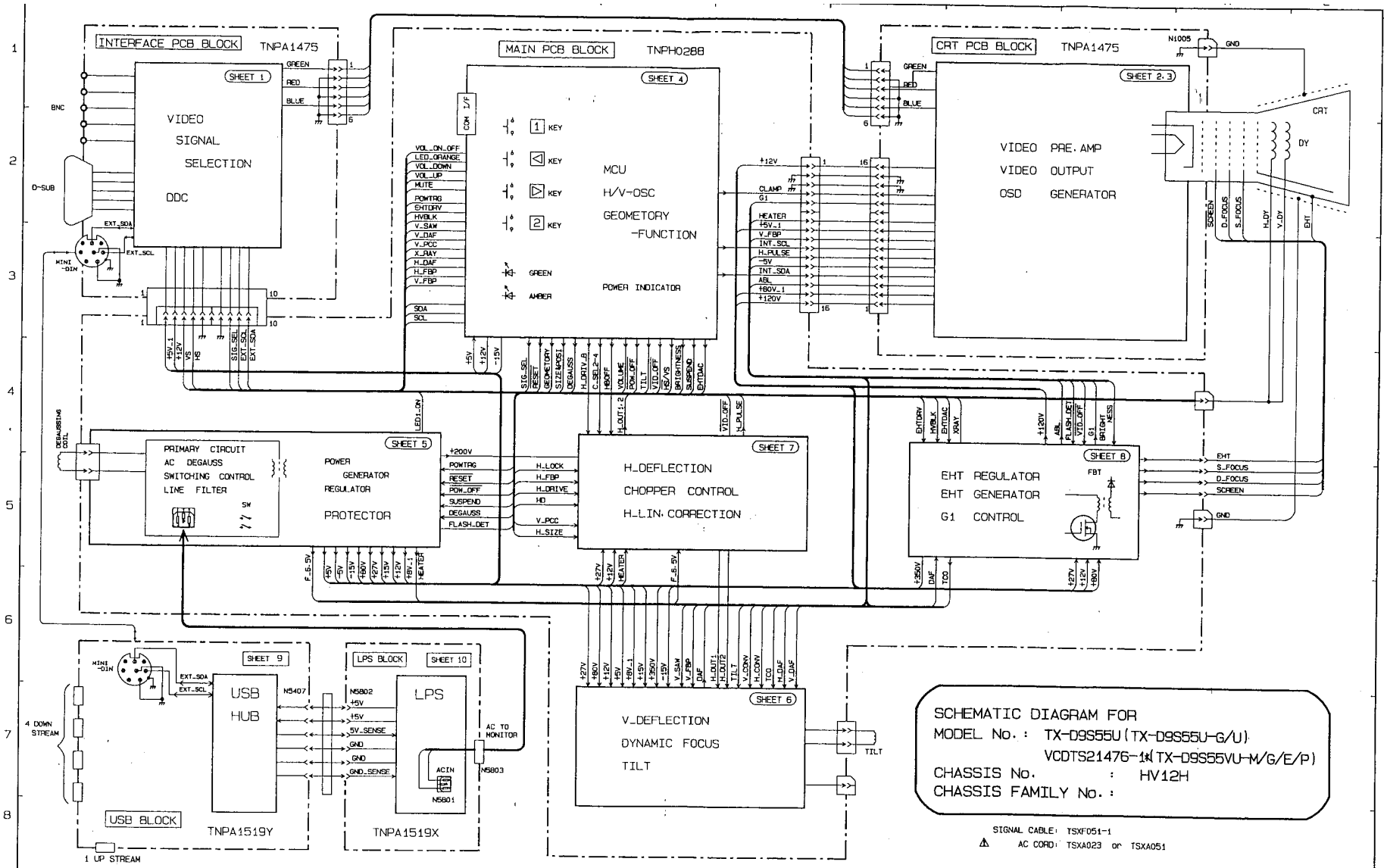
SHEET 1
VIDEO SIGNAL SELECTION
DDC
BNC
D-SUB
GREEN
RED
BLUE
MAIN PCB BLOCK TNPH0288
SHEET 4
MCU
H/V-OSC
GEOMETORY -FUNCTION
POWER INDICATOR
1 KEY
KEY
KEY
2 KEY
GREEN
AMBER
CRT PCB BLOCK TNPA1475
SHEET 2,3
VIDEO PRE-AMP
VIDEO OUTPUT
OSD GENERATOR
CRT
DY
SCREEN
D-FOCUS
S-FOCUS
H-DY
V-DY
EHT
N1005
GND
SHEET 5
PRIMARY CIRCUIT
AC DEGAUSS
SWITCHING CONTROL
LINE FILTER
POWER GENERATOR REGULATOR
PROTECTOR
DEGAUSSING COIL
SHEET 7
H-DEFLECTION
CHOPPER CONTROL
H-LIN. CORRECTION
SHEET 8
EHT REGULATOR
EHT GENERATOR
G1 CONTROL
FDT
SHEET 6
V-DEFLECTION
DYNAMIC FOCUS
TILT
SCHEMATIC DIAGRAM FOR
MODEL No. : TX-D9S55NM
TX-D9S55(TX-D9S55-M)
CHASSIS No. : HV12H
CHASSIS FAMILY No. :
SIGNAL CABLE: TSXF051-1
AC CORD: TSXA023 or TSXA051
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.


INTERFACE PCB BLOCK TNPA1475
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VIDEO SIGNAL SELECTION
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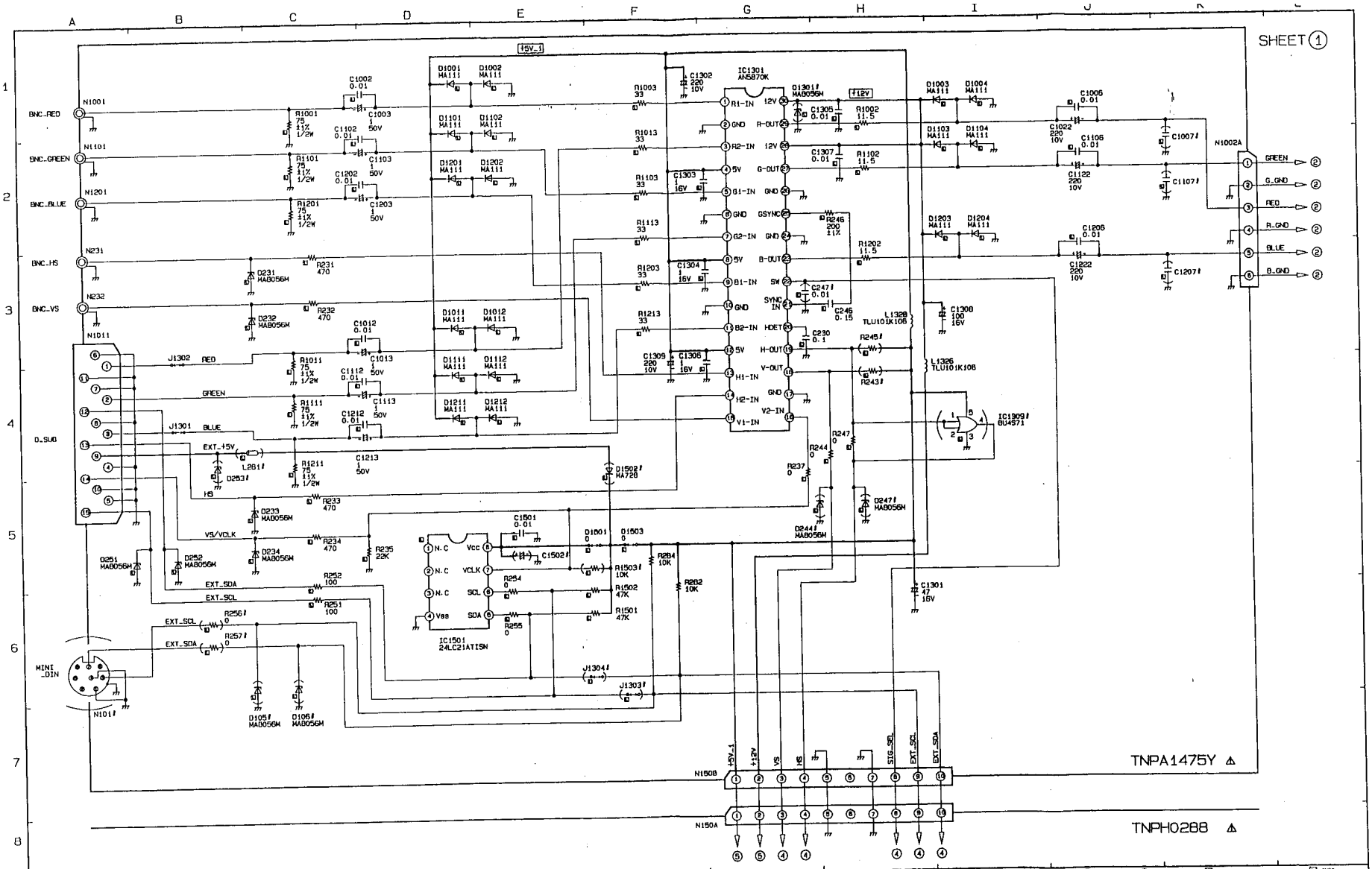
BNC
D-SUB
MINI-DIN
EXT_SDA
EXT_SCL
GREEN
RED
BLUE
MAIN PCB BLOCK TNPH0288
SHEET 4
COM I/F
MCU
H/V-OSC
GEOMETORY -FUNCTION
POWER INDICATOR
1 KEY
KEY
KEY
2 KEY
GREEN
AMBER
CRT PCB BLOCK TNPA1475
SHEET 2, 3
VIDEO PRE. AMP
VIDEO OUTPUT
OSD GENERATOR
CRT
DY
SCREEN
D_FOCUS
S_FOCUS
H_DY
V_DY
EHT
SHEET 5
PRIMARY CIRCUIT
AC DEGAUSS
SWITCHING CONTROL
LINE FILTER
POWER GENERATOR REGULATOR
PROTECTOR
DEGAUSSING COIL
SHEET 7
H_DEFLECTION
CHOPPER CONTROL
H_LIN. CORRECTION
SHEET 8
EHT REGULATOR
EHT GENERATOR
G1 CONTROL
FBT
SHEET 6
V_DEFLECTION
DYNAMIC FOCUS
TILT
SHEET 9
USB HUB
USB BLOCK
TNPA1519Y
LPS BLOCK
SHEET 10
LPS
AC TO MONITOR
TNPA1519X
4 DOWN STREAM
1 UP STREAM
SCHEMATIC DIAGRAM FOR
MODEL No. : TX-D9S55U(TX-D9S55U-G/U)
VCDTS21476-1(TX-D9S55VU-M/G/E/P)
CHASSIS No. : HV12H
CHASSIS FAMILY No. :
SIGNAL CABLE: TSXF051-1
AC CORD: TSXA023 or TSXA051
Important safety notice
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.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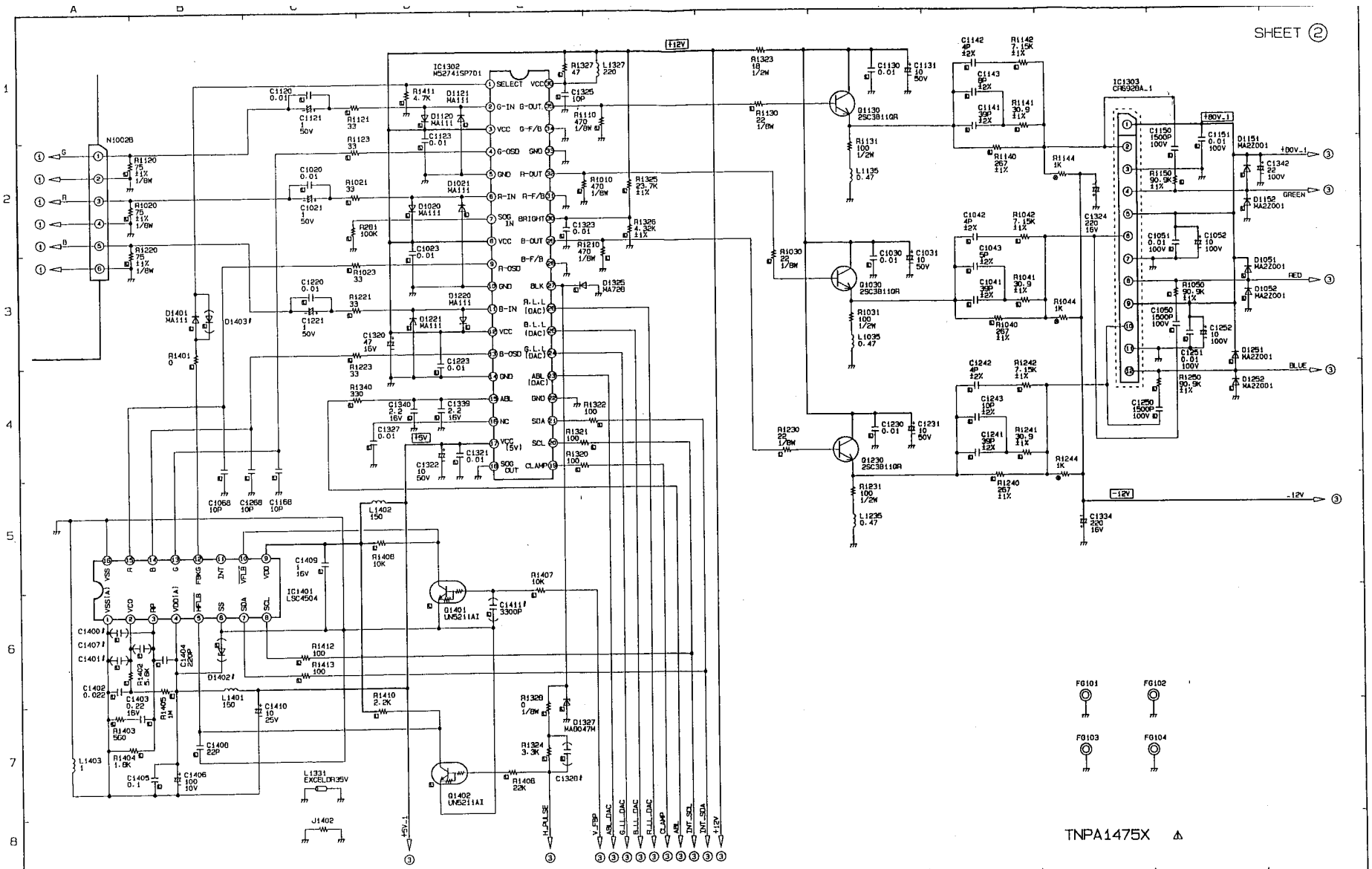
TNPA1475Y
TNPH0288
BNC_RED
BNC_GREEN
BNC_BLUE
BNC_HS
BNC_VS
D_SUB
MINI_DIN
IC1301 AN5870K
IC1309 BU4571
IC1501 24LC21ATISN
GREEN
G_GND
RED
R_GND
BLUE
B_GND
EXT_+5V
EXT_SDA
EXT_SCL
M. SHIOTA
I. YAMAMOTO
H. SASAKI
PREPARED
REVIEWED
APPROVED
TX-D9955NM
KD9955NM.010
1990. 9. 2
1990. 9. 6
1990. 11. 26
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.



Important safety notice
Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

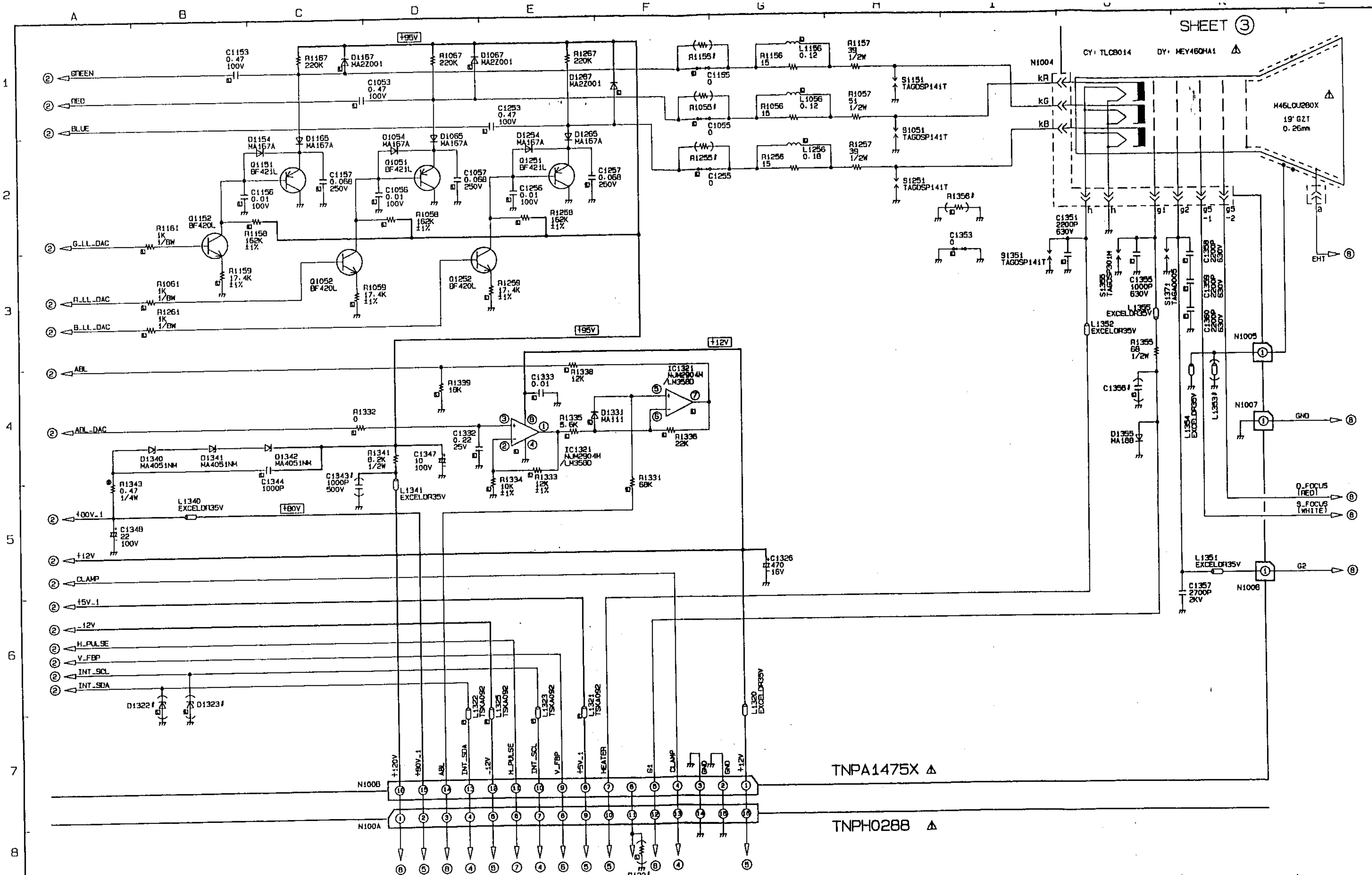
SYM	DATE	REVISION	SIGNED	CHECKED
SYM	DATE	REVISION	SIGNED	CHECKED

RESISTOR △ Solid ○ Nonflammable ⊠ Metal Oxide ☑ Fuse Proof Nonflammable ⊗ Fusible ○ Metal Film □ Wire Wound L CHIP
CAPACITOR ⓟ Polyester ⓜ Metallized Polyester ⓟ Polystyrene ⊠ Polypropylene ○ Ceramic (B.L) ⊗ Temperature Compensating ○ Ceramic Ⓣ Tantalum L CHIP

TITLE			ENGINEERING DEPT. SECTION
M. SHIOTA	I. YAMAMOTO	H. SASAKI	MODEL NO. TX-D9955NN [HV12H]
PREPARED	REVIEWED	APPROVED	DRAWING NO. K99555NN-020
			ISSUED 1998. 9. 2

設計	Matsutani	承認	1998. 9. 8
製図	Matsutani	作成	1998. 12. 21

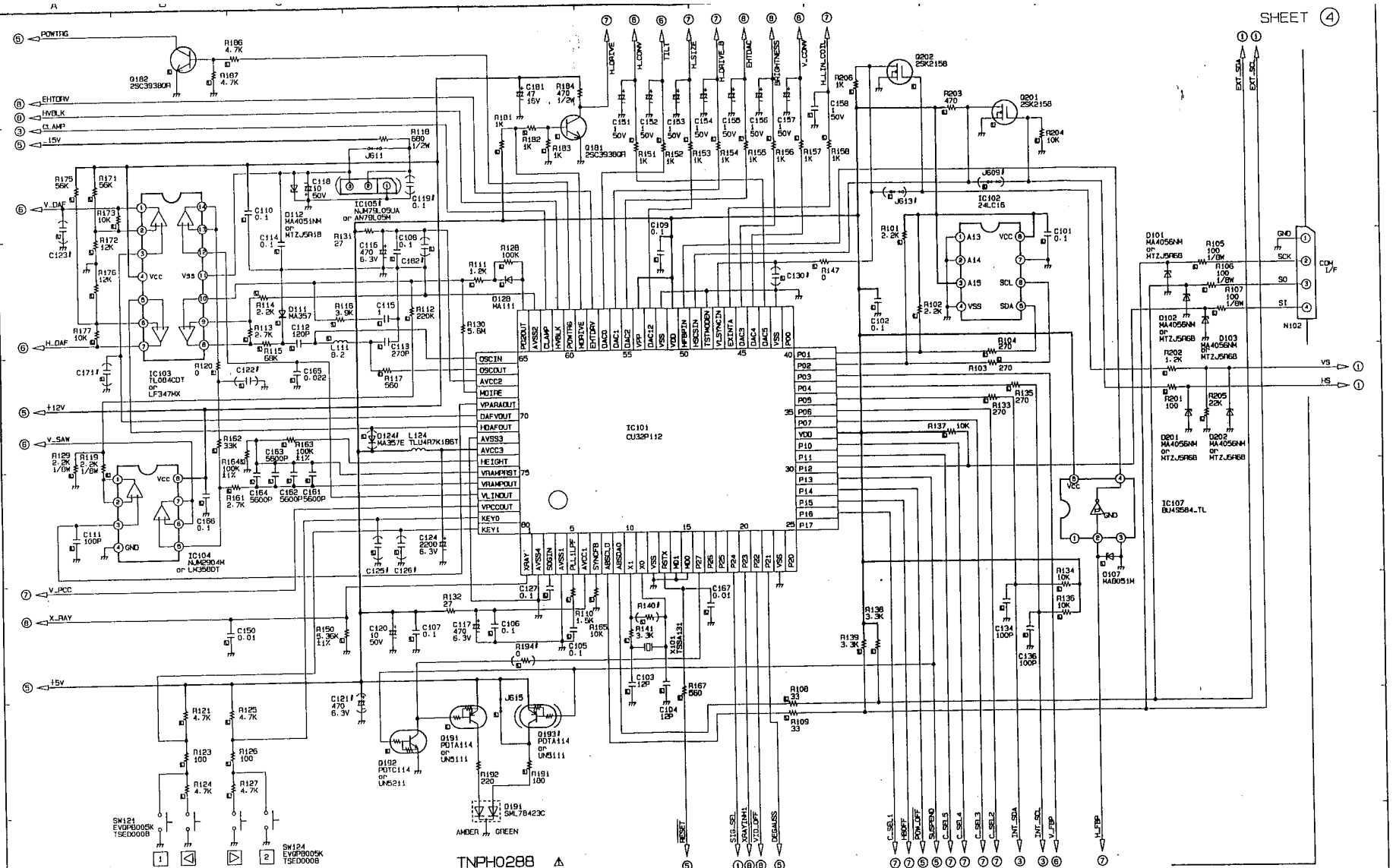
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

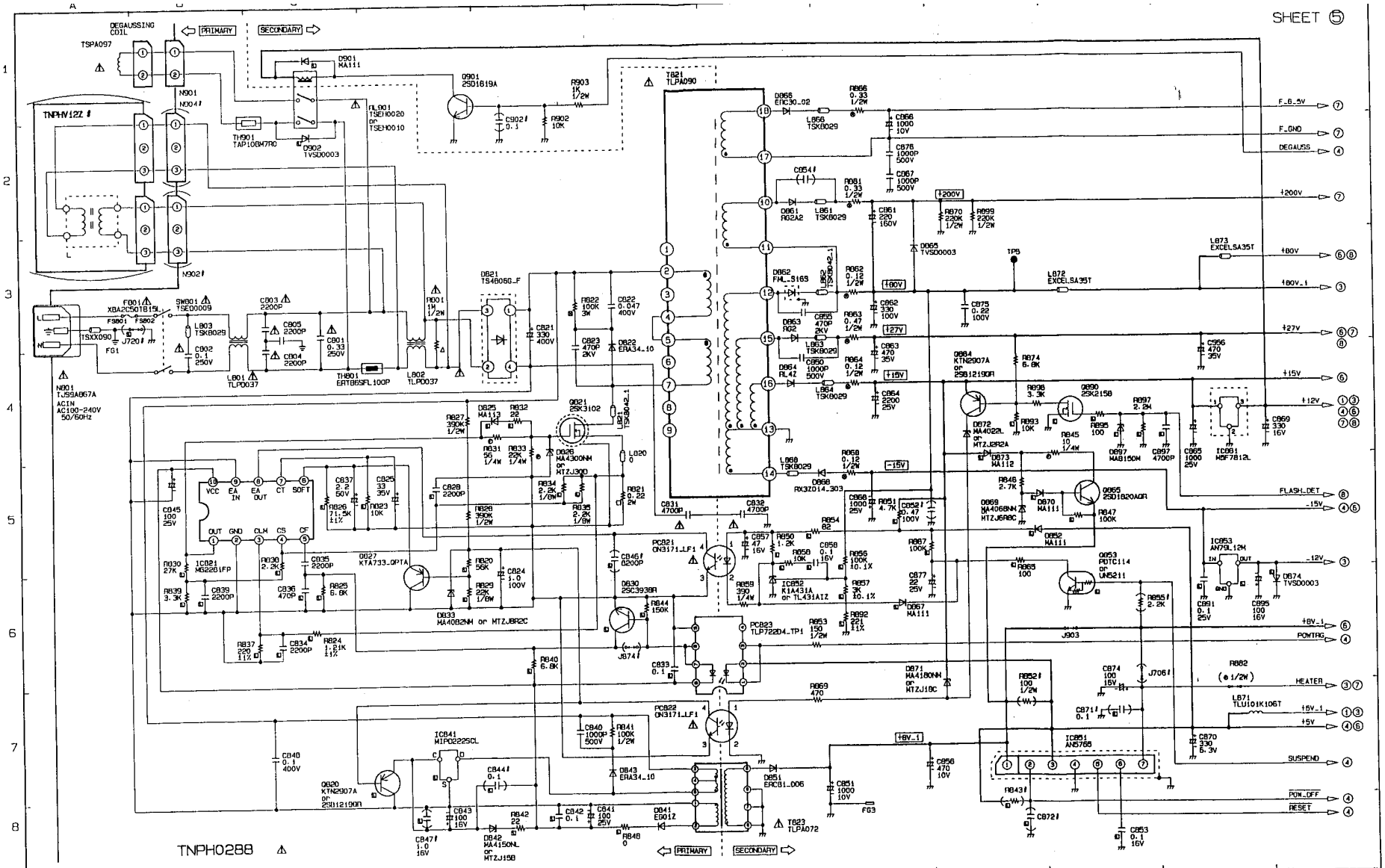


Important safety notice
Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

RESISTOR	△ Solid	○ Nonflammable	☒ Metal Oxide	☐ Flame Proof Rectangular	⊗ Fusible	Metal Film / Wire Wound / Chip
CAPACITOR	Polyester	Metallized Polyester	Polystyrene	Polypropylene	Ceramic	Tantalum / Chip
TITLE				ENGINEERING DEPT. SECTION		
M. SHIOTA	I. YAMAMOTO	H. SASAKI		MODEL NO. TX-D9895NH	(HV12H)	
PREPARED	REVIEWED	APPROVED		DRAWING NO. KB9895NH.030	Matsutani	1990.9.6
				ISSUED 1990.9.2	Matsutani	1990.12.21

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.


SHEET 4
IC101 CU32P112
IC102 24LC16
IC103 TL084CDT or LF347MX
IC104 NJM2904M or LM358DT
IC105 NJM79L05UA or AN78L05M
IC107 BU4584_TL
Q101 2SC3938QR
Q102 2SC3938QR
Q181 2SC3938QR
Q182 2SC3938QR
Q201 2SK2158
Q202 2SK2158
Q191 PDTA114 or UN5111
Q192 PDTC114 or UN5211
Q193 PDTA114 or UN5111
D101 MA4056NM or MTZJ5R6B
D102 MA4056NM or MTZJ5R6B
D103 MA4056NM or MTZJ5R6B
D201 MA4056NM or MTZJ5R6B
D202 MA4056NM or MTZJ5R6B
D107 MAB051M
D191 SML78423C
AMBER GREEN
TNPH0288
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
ENGINEERING DEPT. SECTION
MODEL NO. TX-D9955NM (HV12H)
DRAWING NO. KB9955NM. 040
ISSUED 1998. 8. 25
PREPARED Matsutani 1998. 9. 8
REVIEWED Matsutani 1998. 11. 30
APPROVED



Importantsafetynotice

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of components, use only manufacturer's specified parts.

SYM	DATE	REVISION	SIGNED	CHECKED

SYM	DATE	REVISION	SIGNED	CHECKED

RESISTOR △ Solid ○ Noninflammable ⊠ Metal Oxide ▨ Fixed Film Resistance ⊗ Fusible ◎ Metal Film □ Wire Wound ▯ CHIP

CAPACITOR ⊕ Polyester ◉ Metallized Polyester ⊕ Polystyrene ⊠ Polypropylene ○ Ceramic (N.I) ⊗ Temperature Compensation ○ Ceramic ⓣ Tantalum ▯ CHIP

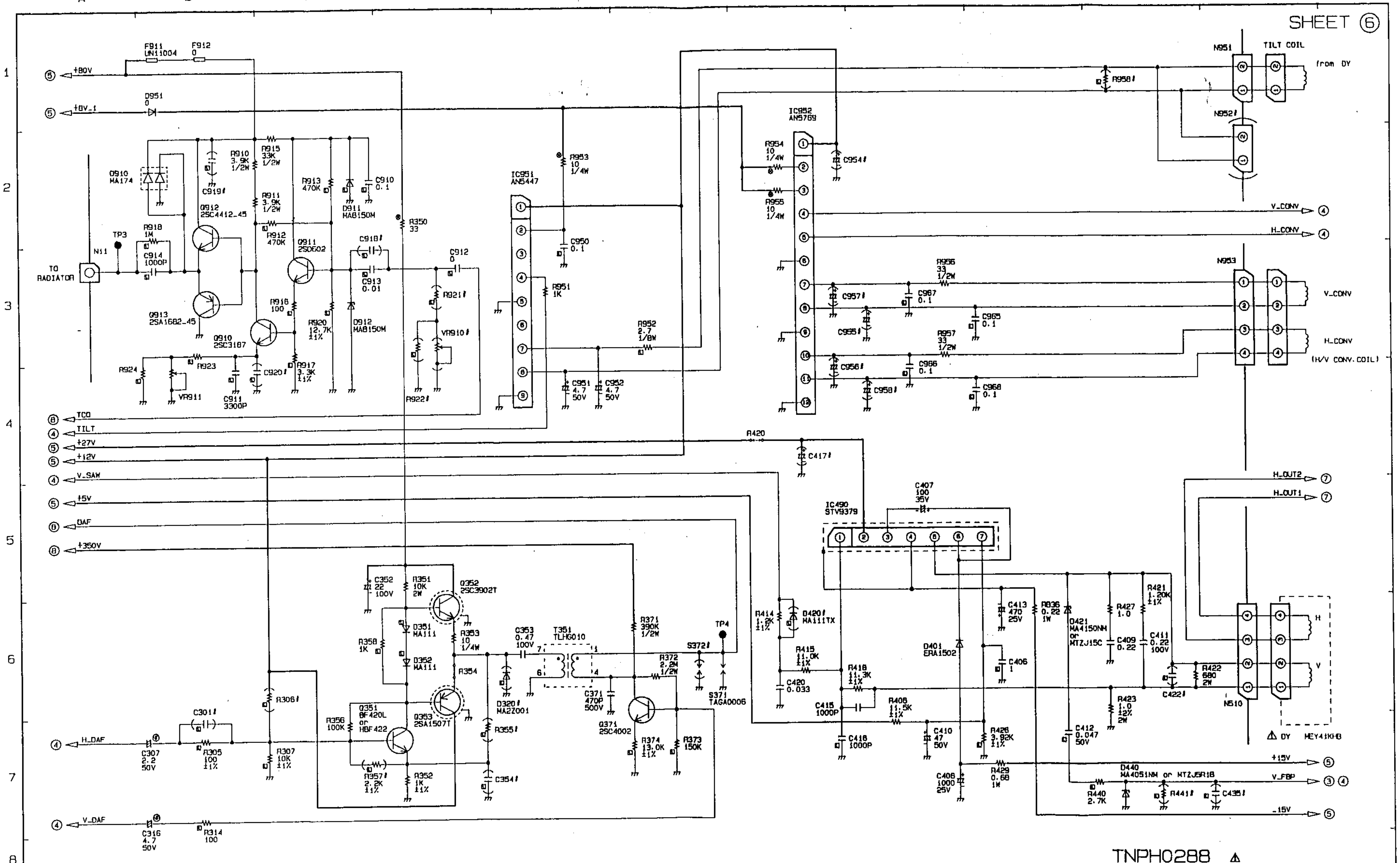
TITLE

PREPARED	REVIEWED	APPROVED

ENGINEERING DEPT. SECTION

MODEL NO.	TX-D9955NM	(HV12H)	
DRAWING NO.	KB9955NM. 050	設計 Matsutani	承認 1998.9.3
ISSUED	1998.8.26	製図 Matsutani	作成 1998.12.2

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.



Important safety notice
Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

SYM	DATE	REVISION	SIGNED	CHECKED	SYM	DATE	REVISION	SIGNED	CHECKED

ENGINEERING DEPT. SECTION						
MODEL NO.	TX-D9S55NM	(HV12H)				
DRAWING NO.	K89S55NM.060		Matsutani		1998.9.8	
ISSUED	1998.8.25		Matsutani		1998.12.2	

PREPARED | REVIEWED | APPROVED

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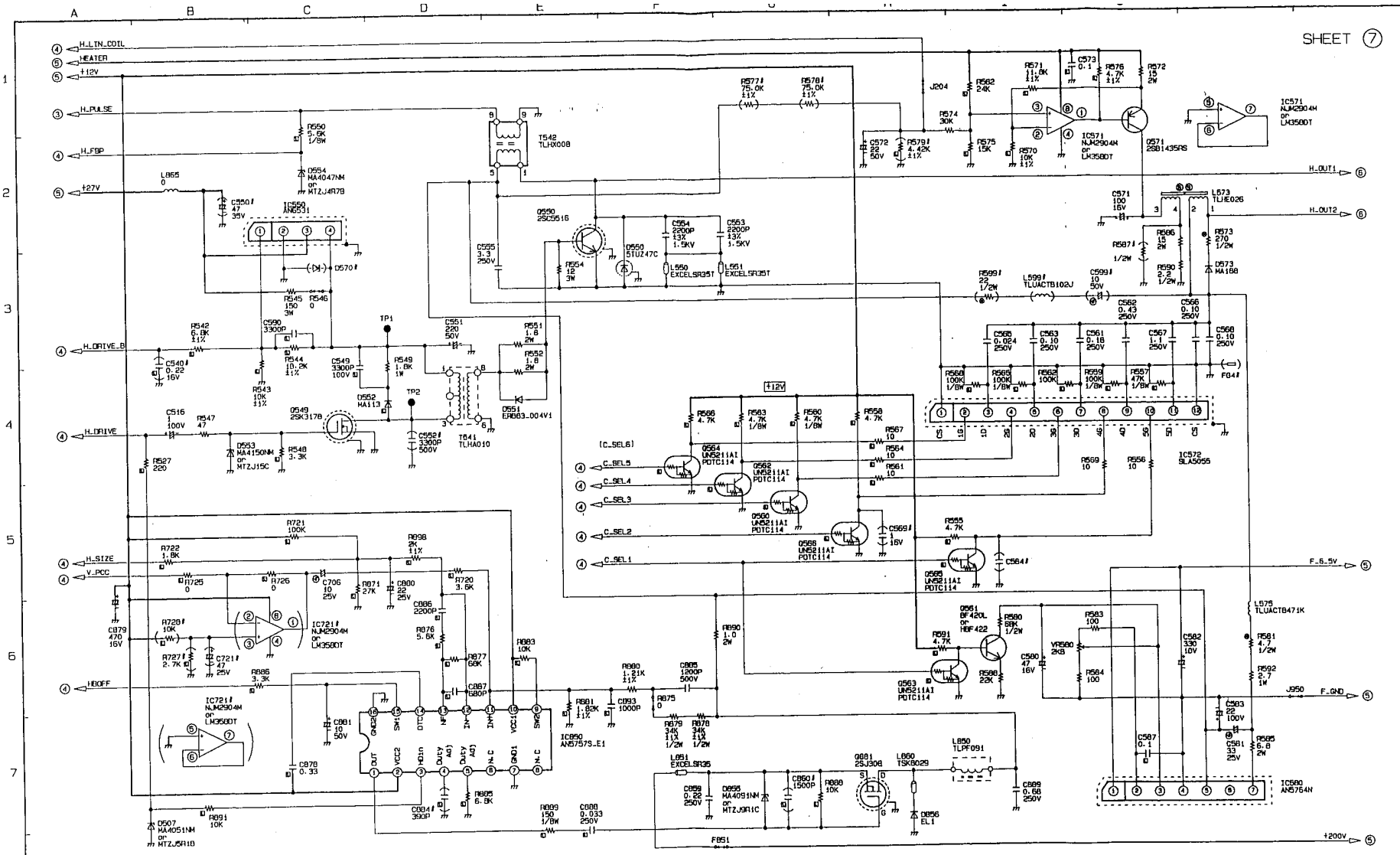


Important safety notice
Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

RESISTOR △ Solid ○ Nonflammable ⊠ Metal Oxide ☑ Fuse Proof Resistance ⊗ Fusible ● Metal Film □ Wire Wound L CHIP
CAPACITOR ⊗ Polyester Ⓜ Metallized Polyester Ⓟ Polystyrene ⊠ Polypropylene △ Mica ● Ceramic (SL) ⊗ Temperature Compensation ○ Ceramic Ⓣ Tantalum L CHIP

BW	DATE	REVISION	SIGNED	CHECKED

BW	DATE	REVISION	SIGNED	CHECKED

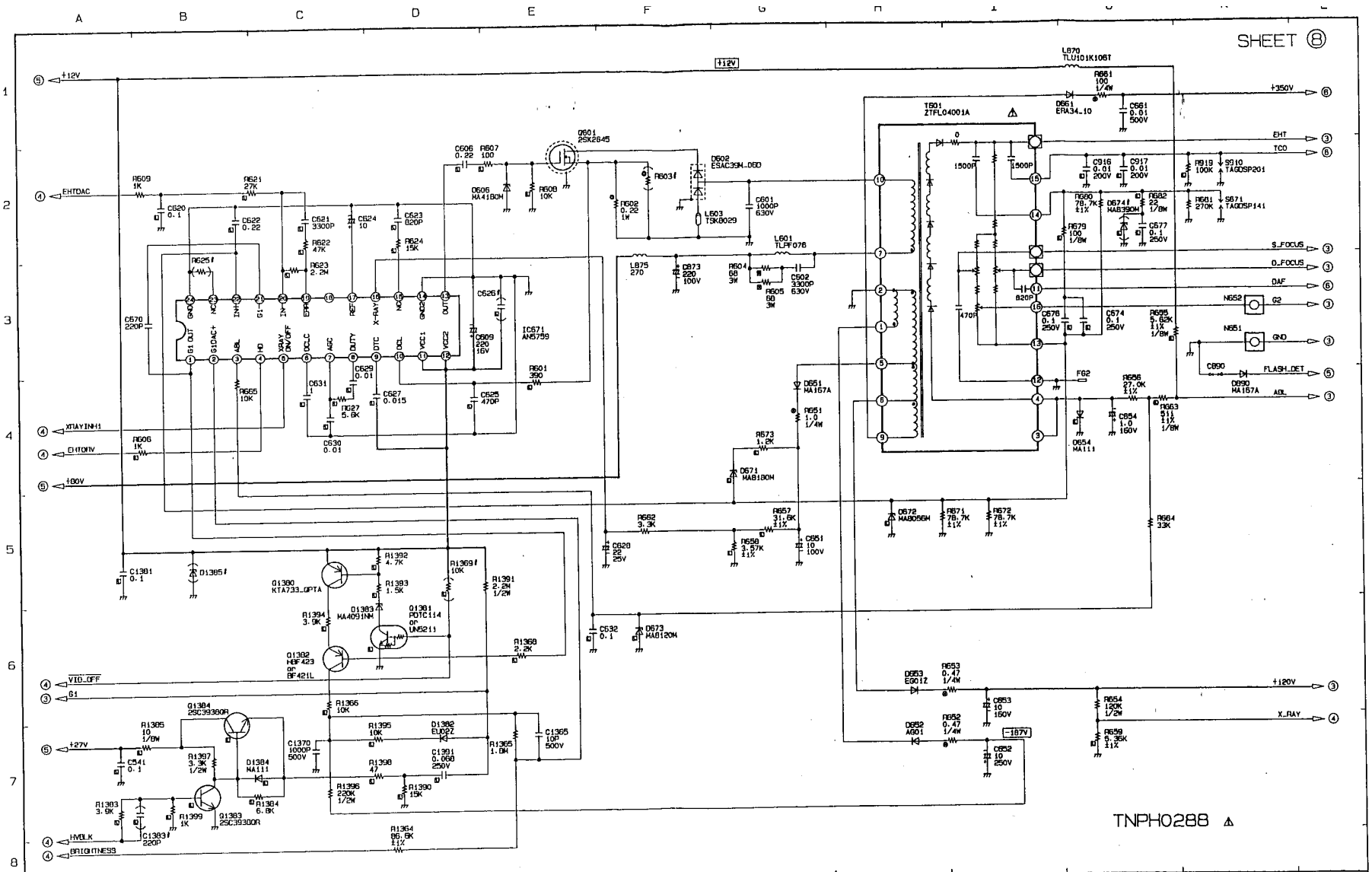
TITLE

PREPARED	REVIEWED	APPROVED

ENGINEERING DEPT. SECTION

MODEL NO.	TX-D9S5SNM	(HV12H)	
DRAWING NO.	KB9S5SNM.070	作成者 Matsutani	1998.9.8
ISSUED	1998.8.25	承認者 Matsutani	1998.11.30

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.



Important safety notice
Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

SYM	DATE	REVISION	SIGNED	CHECKED
SYM	DATE	REVISION	SIGNED	CHECKED

RESISTOR: △ Solid ○ Noninflammable ⊠ Metal Oxide ⊘ Flame Proof Noninflammable ⊗ Fusible ⊙ Metal Film □ Wire Wound L CHIP
CAPACITOR: ⊕ Polyester ⊛ Metallized Polyester ⊜ Polystyrene ⊠ Polypropylene △ Mica ○ Ceramic ⊙ Electrolytic ⊗ Temperature Compensation ○ Ceramic ⊙ Tantalum L CHIP

TITLE

PREPARED	REVIEWED	APPROVED

ENGINEERING DEPT. SECTION

MODEL NO.	TX-D9955NM	(HV12H)		
DRAWING NO.	K09955NM-080	DRAWN	Matsutani	1998.7.30
ISSUED	1998.7.30	DES	Matsutani	1998.12.2

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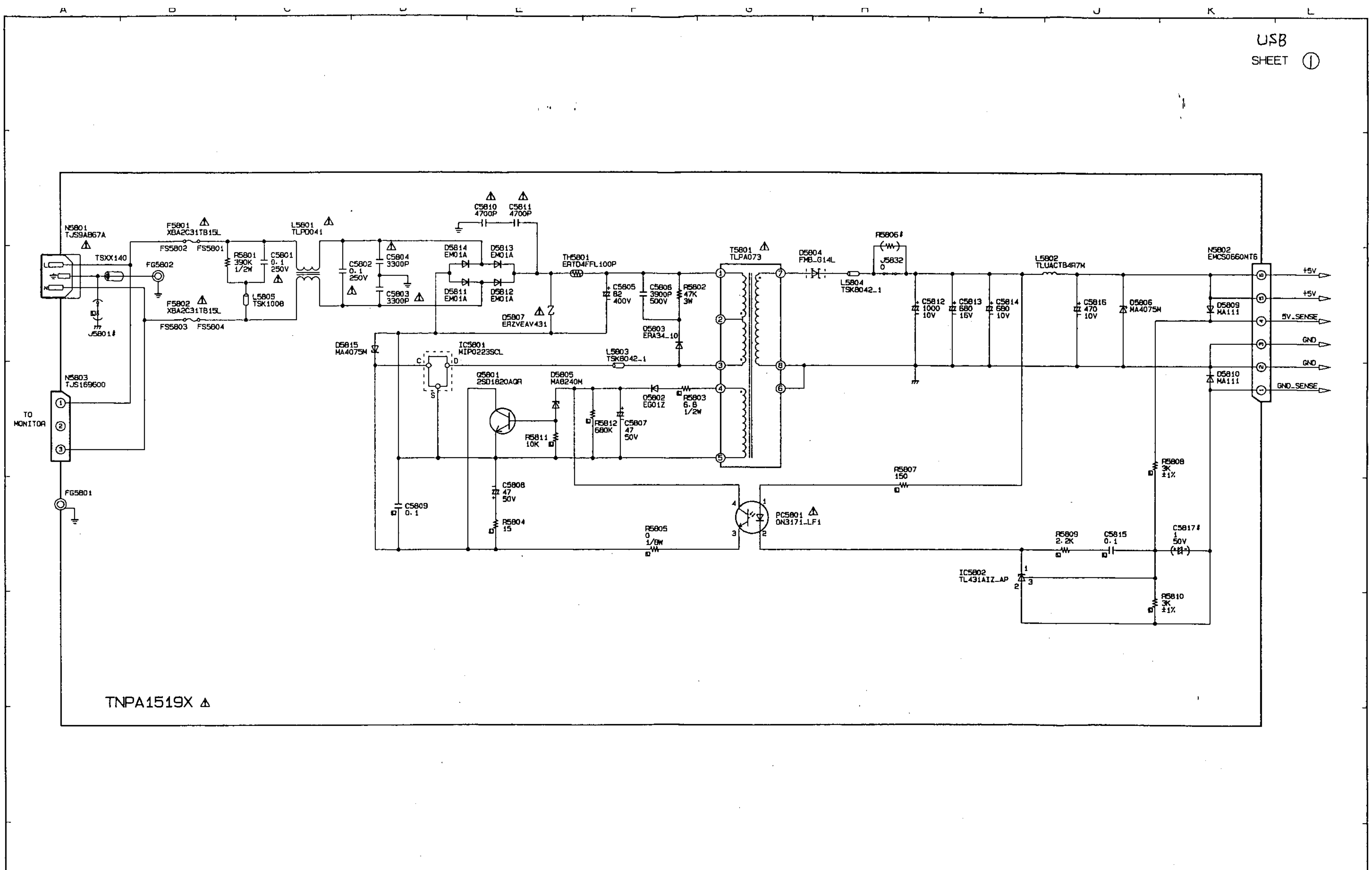


Importantsafetynotice
Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

SYM	DATE	REVISION	SIGNED	CHECKED	SYM	DATE	REVISION	SIGNED	CHECKED

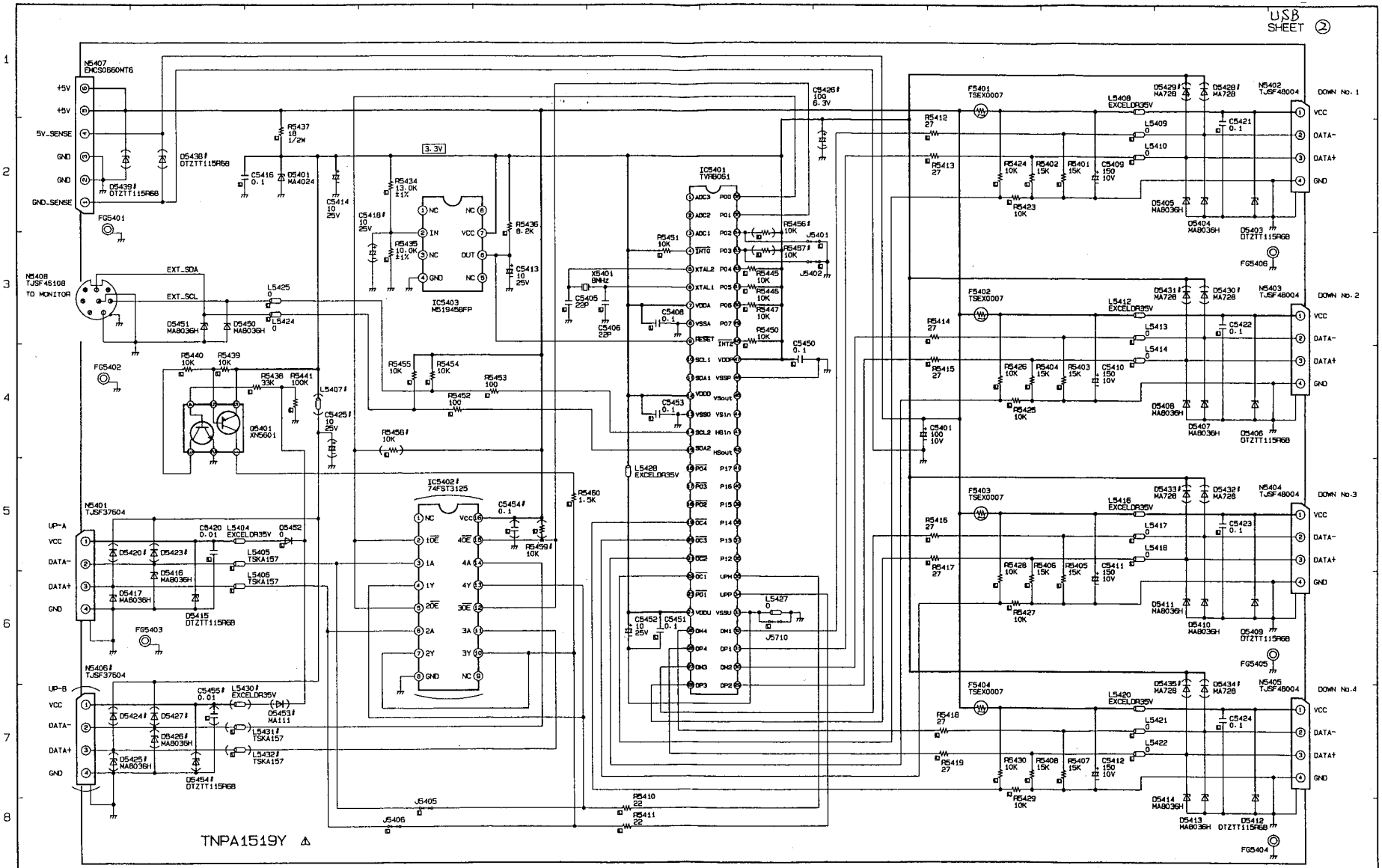
RESISTOR: Solid, Nonflammable, Metal Oxide, Flame Proof Rectangular, Fusible, Metal Film, Wire wound, CHIP
CAPACITOR: Polyester, Metalized Polyester, Polystyrene, Polypropylene, Ceramic (BL), Temperature Compensation, Ceramic, Tantalum, CHIP

TITLE		
S. Kimura		
PREPARED	REVIEWED	APPROVED

ENGINEERINGDEPT. SECTION

MODEL NO.	TY-LD67****, TY-LD68****		
DRAWING NO.	KB1F64usb.020	Matsutani	1998.10.22
ISSUED	1998.10.22	Matsutani	1998.12.17

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.



Important safety notice

Components identified by ⚠ mark have special characteristic important for safety.
When replacing any of components, use only manufacturer's specified parts.

SYM	DATE	REVISION	SIGNED	CHECKED
SYM	DATE	REVISION	SIGNED	CHECKED

RESISTOR △ Solid ○ Nonflammable ⊠ Metal Oxide ☑ Fuse Proof Nonflammable ⊗ Fusible ○ Metal Film ☐ Wire Wound ☐ CHIP
CAPACITOR ⊕ Polyester ⊛ Metallized Polyester ⊛ Polystyrene ☒ Polypropylene ○ Ceramic (B,E) ⊗ Temperature Compensation ○ Ceramic Ⓣ Tantalum ☐ CHIP

TITLE

PREPARED	REVIEWED	APPROVED
S.Kimura		

ENGINEERING DEPT. SECTION

MODEL NO.	TX-01F64VU-M	TY-LD67AZ/TY-LD68AZ		
DRAWING NO.	KB1F64usb.010	#ⅡⅡ	Matsutani	#ⅡⅡ 1998.11.5
ISSUED	1998.10.22	#ZⅡ	Matsutani	#ZⅡ 1998.12.21

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