

70699-P003**EUT AND SIMULATORS CONFIGURATION*****Description of EUT***

Applicant : Acer Peripherals, Inc.
157 Shan-Ying Road, Kweishan,
Taoyuan 333, Taiwan, R.O.C.

Manufacturer : Acer Peripherals, Inc.
157 Shan-Ying Road, Kweishan,
Taoyuan 333, Taiwan, R.O.C.

Product Name : 17" Monitor

Model Number. : Belinea 10 30 70

FCC ID : JVP7379G

Synchronization : 30 - 95KHz horizontal
50 - 160Hz vertical

Resolution : max. 1280 * 1024 pixels, *NON-INTERLACED*

CRT : Mitsubishi, M/N M41KZV31X81
S/N 9A03651ZZ

VGA Signal Cable (D-Sub) : Shielded, Detachable, 1.5m
Bonded two ferrite cores

BNC Cable : Shielded, Detachable, 1.5m
Bonded two ferrite cores

Power Cord : Non-Shielded, Detachable, 1.8m

TTEMC Report No : TTEMC-F99028

Date of Test : Mar. 03 ~ 05, 1999

*Description of Simulators***@ PERSONAL COMPUTER**

Model Number	:	V70MA/H61
Serial Number	:	N/A
FCC ID	:	By DoC
Manufacturer	:	Acer Peripherals, Inc.

@ PS2 KEYBOARD

Model Number	:	5121
Serial Number	:	J83300813
FCC ID	:	E5XKBM104M10UC
Manufacturer	:	Behavior Tech Computer Corp.

@ PRINTER

Model Number	:	2225C+
Serial Number	:	3121S96627
FCC ID	:	DSI6XU2225
Manufacturer	:	Hewlett Packard

@ MODEM

Model Number	:	DM-1414
Serial Number	:	980034392
FCC ID	:	IFAXDM1414
Manufacturer	:	Aceex

@ PS2 MOUSE

Model Number	:	M-S35
Serial Number	:	LZA82103160
FCC ID	:	DZL211029
Manufacturer	:	Logitech

@ USB MOUSE #1

Model Number	:	M-UB48
Serial Number	:	LZB81900212
FCC ID	:	DZL211137
Manufacturer	:	Logitech

@ USB MOUSE #2

Model Number	:	M-UB48
Serial Number	:	LZB81900216
FCC ID	:	DZL211137
Manufacturer	:	Logitech

@ SPEAKER

Model Number	:	J-008
Serial Number	:	97-C-009783-T
Manufacturer	:	(J-S) JAZZ HIPSTER

@ WALKMAN

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08465
Manufacturer	:	Panasonic

@ JOYSTICK

Model Number	:	1FD05015
Serial Number	:	N/A
Manufacturer	:	Rambo

@ MICROPHONE

Model Number	:	HD-303
Serial Number	:	N/A
Manufacturer	:	Multimedia Microphone System

@ TELEPHONE

Model Number	:	K-2500TRP
Serial Number	:	1015395
Manufacturer	:	Kuo Yang

Block Diagram

(Please refer to next page for details)

Acer Peripherals, Inc.**Release Notice**☐ Product System (PS)

Subject: Circuit Operation Theory

Part No.:

Rev.: 0

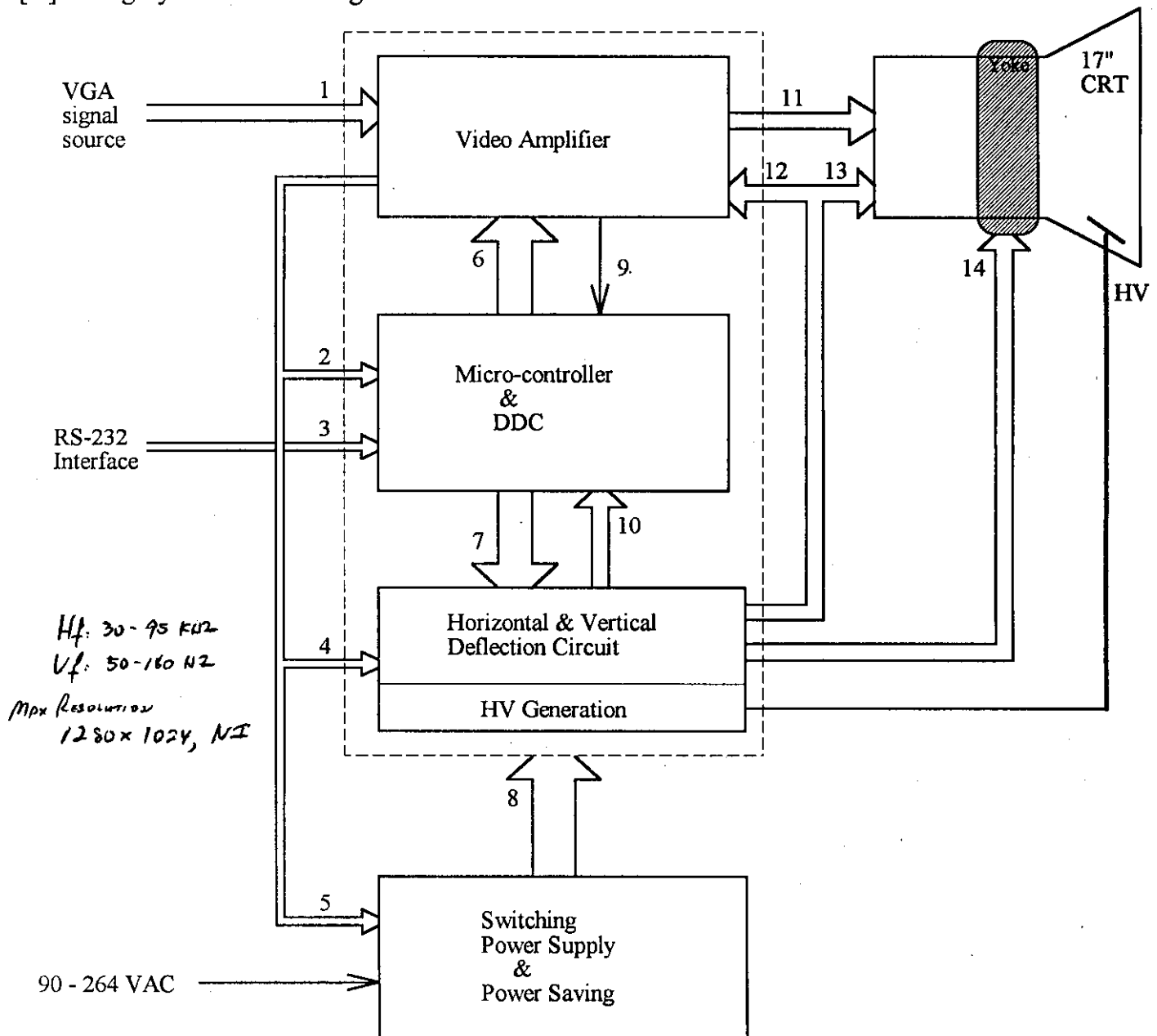
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Model Name: 7379g

[A] 7379g System Block Diagram

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Model Name: 7379g

Video Circuit :**1. Design Specifications :****1.1 input :**

D-sub connector

1.2 sync type :

separate sync

composite sync

1.3 pixel rate = 160 MHz**1.4 light output (3" block pattern) = 40F.L. [brightness at cutoff and contrast at max.]**

light output (full white pattern)= 28F.L. [brightness at cutoff and contrast at max.]

2. CRT Specifications :**2.1 heater voltage = 6.3V**

heater current = 0.32A (typical)

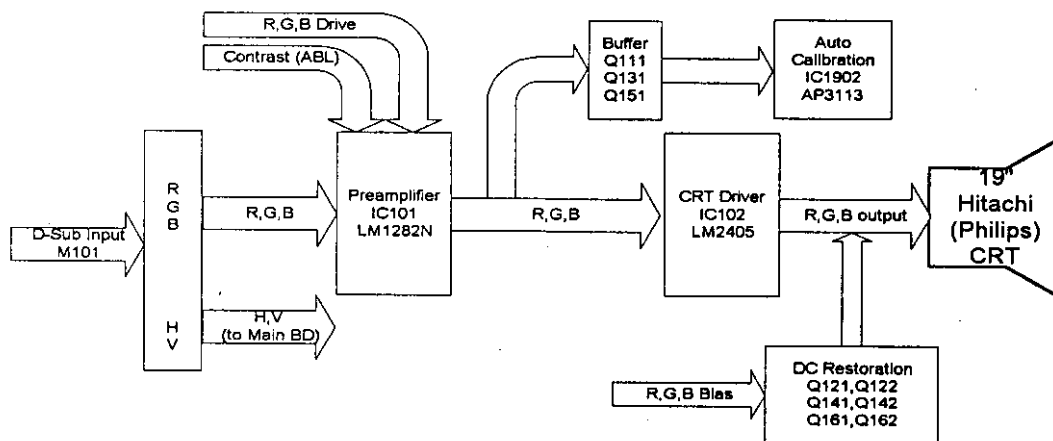
2.2 cathode spot cutoff voltage = 110V**2.3 max-to- min cutoff ratio = 1.17****3. Block Diagram :**

Fig. 1 Block Diagram of 7299SL Video

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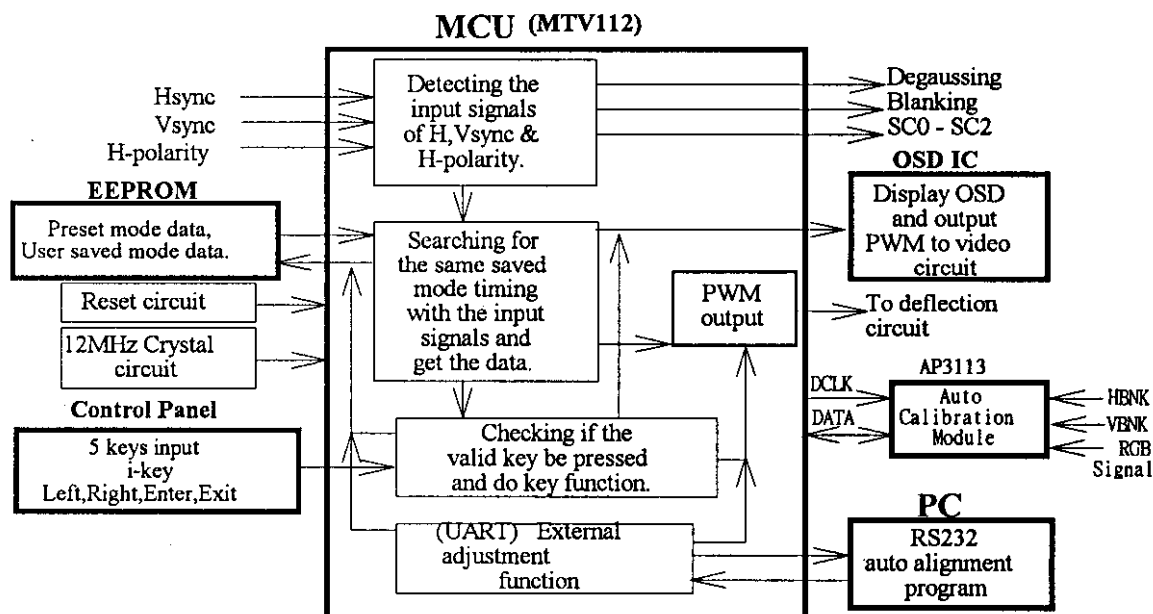
Model Name: 7379g

1. Introduction :

This model, 7379g, will support powerful OSD function to help end user fine adjustment. The Microcontroller circuit of the 7379g can determine what mode it is by detecting the frequency of horizontal and vertical synchronous and the polarity of horizontal synchronous, and provide DC voltages to control the picture and save the adjusted value into the EEPROM by using the OSD, "On Screen Display control", that means the user can get any information of the picture display or adjust it and save the status values into the EEPROM by choosing and pressing the proper key according to the indication of the OSD. In addition, user can press i-key to do auto-calibration.

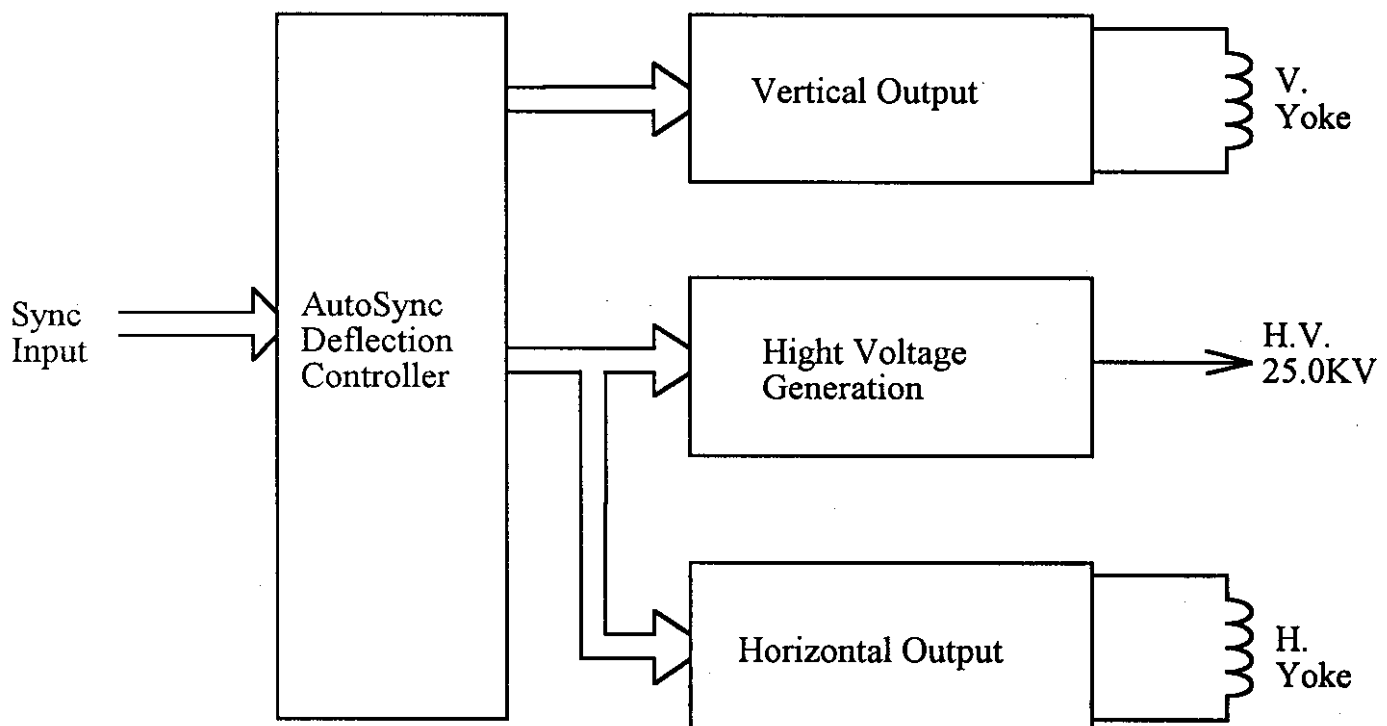
2. Block diagram :

The major parts of 7379g Microcontroller circuit are MCU, EEPROM, OSD IC, and Auto Calibration Module. The circuit block diagram is shown as below.

**3. MCU and the peripheral circuit operation theory:****3-1. MCU function:**

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FIGURE.1 7379g System Block Diagram**[B] Deflection and HV generation circuit introduction****B.1. Deflection and HV generation circuit block diagram****FIGURE.2 Deflection and HV generation circuit block diagram**

As FIGURE.2, the 7379G monitor is difference with another monitor; this monitor use separated Hor. output circuit. One is H-size processing circuit, another is high voltage processing circuit. Separated Hor. output circuit has a big advantage : excellent high voltage regulation, so this monitor adopts the advantage to get perfect picture.

B.2. 7379g Function Block of Deflection & HV generation

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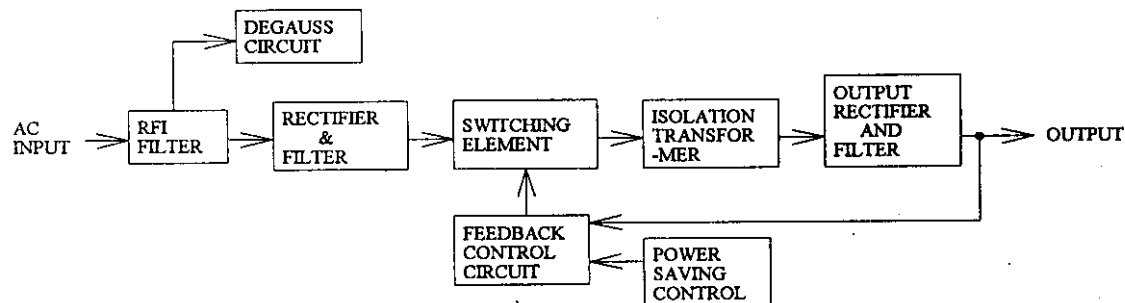
Input Voltage : 90~264VAC (UNIVERSAL)

Input Frequency : 47~63Hz

Output Requirement: Output MAX. Load Current

+6.5V	0.8A
+15V	0.75A
+24V	0.36A
+80V	0.11A
+180V	0.36A

2. Block Diagram



3. Circuit Operation Theorem

3.1 RFI FILTER

This circuit designed to inhibit electric and magnetic interference for meet FCC, VDE, VCCI standard requirements.

