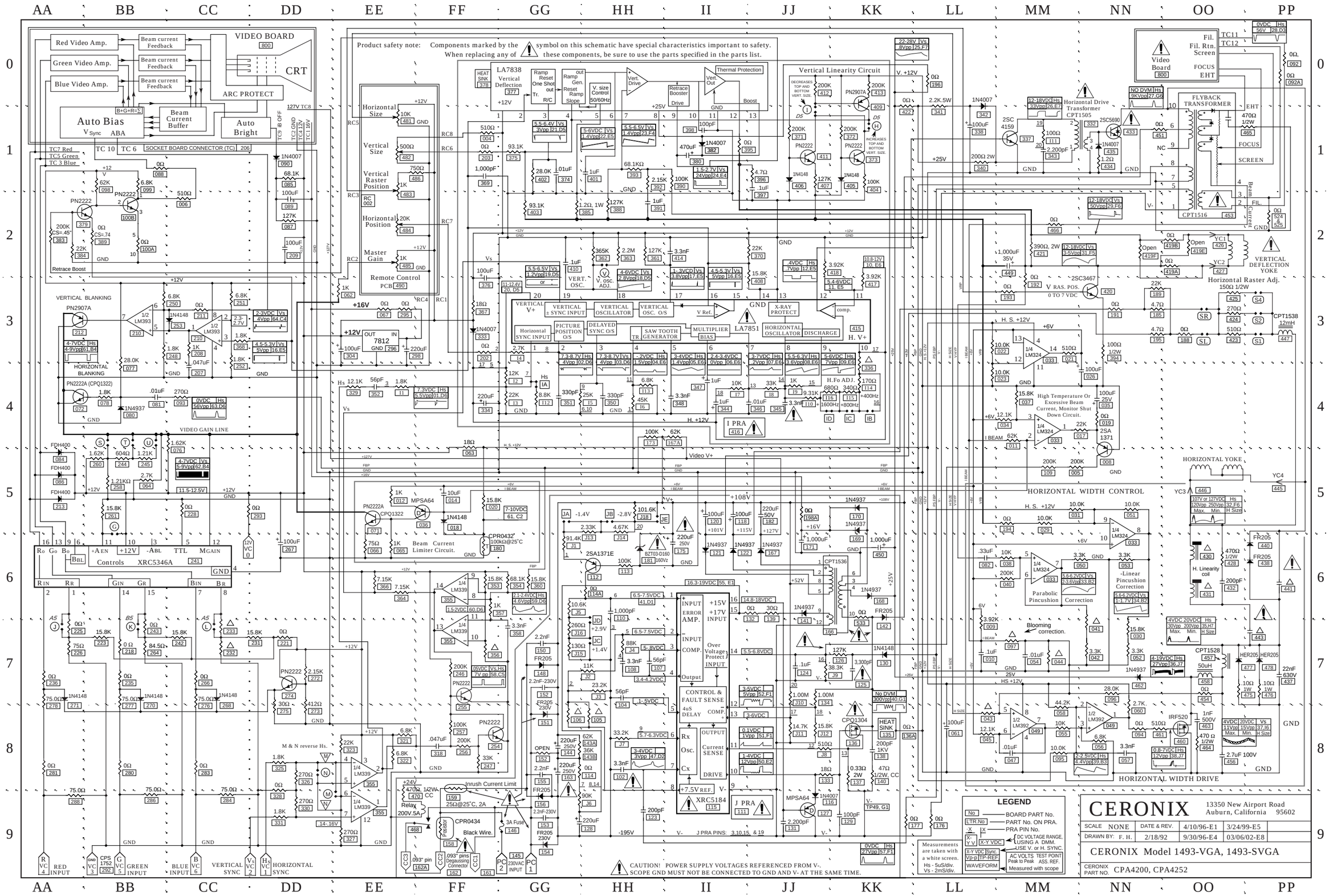

Product safety note: Components marked by the symbol on this schematic have special characteristics important to safety. When replacing any of these components, be sure to use the parts specified in the parts list.
VIDEO BOARD
CRT
ARC PROTECT
Red Video Amp.
Green Video Amp.
Blue Video Amp.
Beam current Feedback
Auto Bias
Beam Current Buffer
Auto Bright
SOCKET BOARD CONNECTOR (TC)
Horizontal Size
Vertical Size
Vertical Raster Position
Horizontal Position
Master Gain
Remote Control
LA7838
Vertical Deflection
Thermal Protection
Vertical Linearity Circuit
Horizontal Drive Transformer
FLYBACK TRANSFORMER
VERTICAL DEFLECTION YOKE
Horizontal Raster Adj.
VERTICAL BLANKING
HORIZONTAL BLANKING
VIDEO GAIN LINE
LA7851
VERTICAL SYNC INPUT
VERTICAL OSCILLATOR
VERTICAL OSC. O/S
X-RAY PROTECT
Horizontal SYNC INPUT
PICTURE POSITION O/S
DELAYED SYNC O/S
SAW TOOTH GENERATOR
MULTIPLIER BIAS
HORIZONTAL OSCILLATOR
DISCHARGE
High Temperature Or Excessive Beam Current, Monitor Shut Down Circuit.
HORIZONTAL YOKE
HORIZONTAL WIDTH CONTROL
Beam Current Limiter Circuit.
Controls XRC5346A
Parabolic Pincushion Correction
-Linear Pincushion Correction
Blooming correction.
CONTROL & FAULT SENSE
Over Voltage Protect
Current SENSE
Inrush Current Limit
Black Wire.
M & N reverse Hs.
HORIZONTAL WIDTH DRIVE
RED INPUT
GREEN INPUT
BLUE INPUT
VERTICAL SYNC
HORIZONTAL SYNC
CAUTION! POWER SUPPLY VOLTAGES REFERENCED FROM V-. SCOPE GND MUST NOT BE CONNECTED TO GND AND V- AT THE SAME TIME.
LEGEND
BOARD PART No.
PART No. ON PRA.
PRA PIN No.
DC VOLTAGE RANGE, USING A DMM.
USE V. or H. SYNC.
AC VOLTS Peak to Peak
TEST POINT ASS. REF.
Measured with scope
Measurements are taken with a white screen.
Hs - 5uS/div.
Vs - 2mS/div.
CERONIX
13350 New Airport Road
Auburn, California 95602
SCALE NONE
DATE & REV. 4/10/96-E1 3/24/99-E5
DRAWN BY: F. H. 2/18/92 9/30/96-E4 03/06/02-E8
CERONIX Model 1493-VGA, 1493-SVGA
CERONIX PART NO. CPA4200, CPA4252