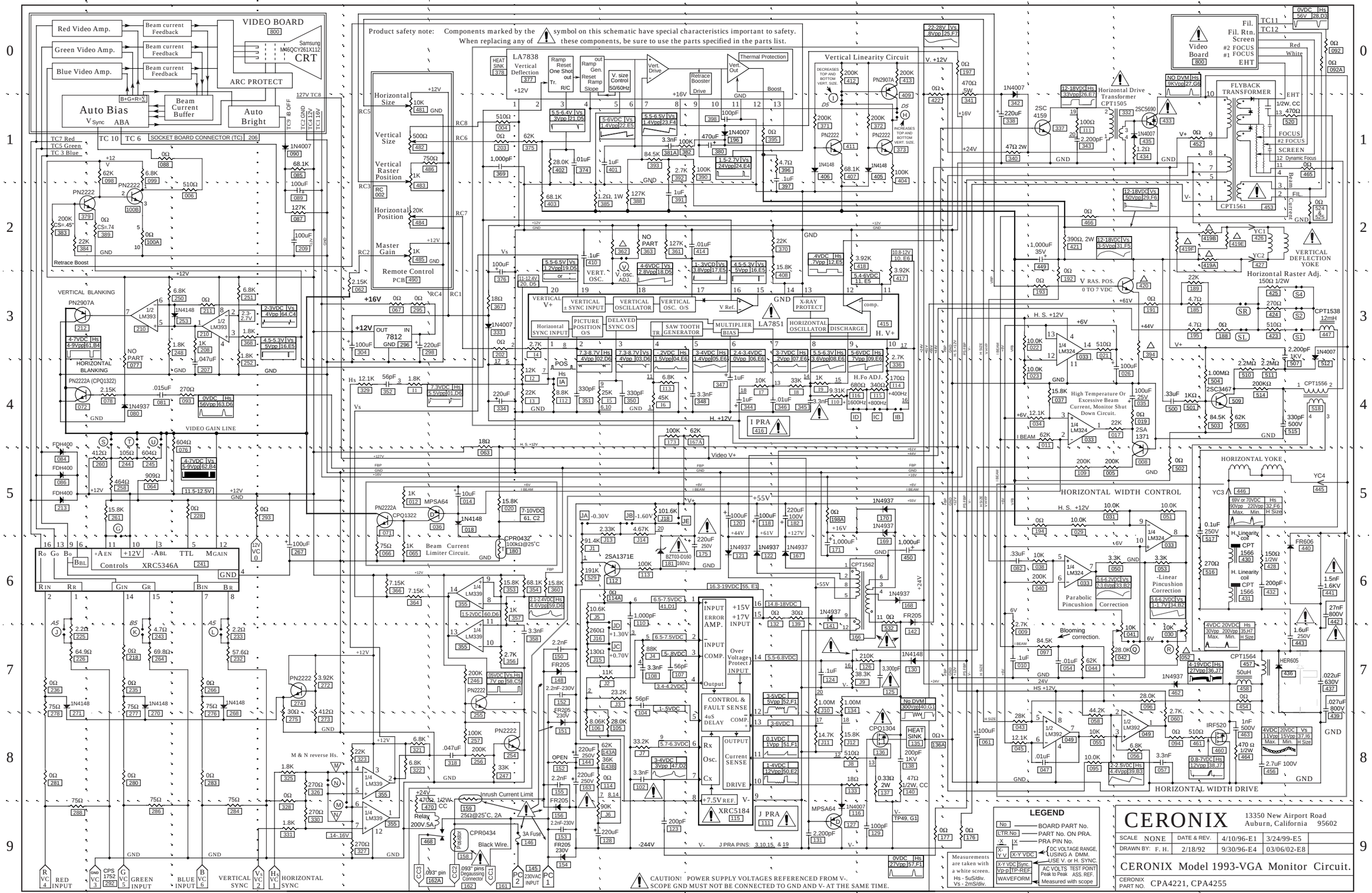
Product safety note: Components marked by the ⚠ symbol on this schematic have special characteristics important to safety. When replacing any of these components, be sure to use the parts specified in the parts list.
VIDEO BOARD
CRT
Red Video Amp.
Green Video Amp.
Blue Video Amp.
Beam current Feedback
ARC PROTECT
Auto Bias
Beam Current Buffer
Auto Bright
LA7838 Vertical Deflection
Thermal Protection
Vertical Linearity Circuit
Horizontal Size
Vertical Size
Vertical Raster Position
Horizontal Position
Master Gain
Remote Control PCB
Horizontal Drive Transformer CPT1505
FLYBACK TRANSFORMER
CPT1561
VERTICAL DEFLECTION YOKE
Horizontal Raster Adj.
VERTICAL BLANKING
HORIZONTAL BLANKING
VERTICAL SYNC INPUT
VERTICAL OSCILLATOR
VERTICAL OSC. O/S
X-RAY PROTECT
HORIZONTAL OSCILLATOR
DISCHARGE
LA7851
VIDEO GAIN LINE
Beam Current Limiter Circuit.
Controls XRC5346A
HORIZONTAL YOKE
HORIZONTAL WIDTH CONTROL
Parabolic Pincushion Correction
-Linear Pincushion Correction
Blooming correction.
HORIZONTAL WIDTH DRIVE
INPUT ERROR AMP.
+15V +17V INPUT
Over Voltage Protect INPUT
CONTROL & FAULT SENSE
XRC5184
High Temperature Or Excessive Beam Current, Monitor Shut Down Circuit.
Inrush Current Limit
Relay 200V.5A
3A Fuse
230VAC INPUT
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 1993-VGA Monitor Circuit.
CERONIX PART NO. CPA4221, CPA4255