

E:fact® Technical Service Data

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Placement Chart Part 1

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Product #084389

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PROSCAN

Models

PS32600YX1

PS32700YX1

PS36600YX1

PS36605YX2

PS36700YX1

Chassis

CTC197CK

CTC197CJ3

CTC197CK

CTC197CK

CTC197CJ3

SCHEMATIC NOTES

For SAFETY use only equivalent replacement part,

✕ Circuitry not used in some versions.

--- Circuitry used in some versions.

⏏ Ground

⏏ Chassis ground

▽ Common tie point

△ Taken from common tie point

3 Schematic voltage source tie point.

A Cabling: Heavy lines reduce use of multiple lines.

Waveforms and voltages are taken from ground, unless noted otherwise.

Waveforms taken with triggered scope and keyed rainbow generator. Waveform voltage is peak to peak. Timebase is per division. Waveforms shown at 10 divisions.

Supply voltages maintained as seen at input.

Voltages measured with digital meter and a 1000μV RF signal, with colorbar pattern, applied to antenna terminal.

Controls adjusted for normal operation.

Capacitors are 50 volts or less, 5% or greater unless noted.

Electrolytic capacitors are 50 volts or less, 20% or greater unless noted.

Resistors are 1/2W or less, 5% or greater unless noted.

Value in () used in some versions.

Measurements with switching as shown, unless noted.

Rated voltage shown on zener diodes.

PARTS LIST

COILS & TRANSFORMERS

| Item No. | Function/Rating | Mfr. Part No. |
|------------------|---------------------------------|---------------|
| # DY1 (1) | Yoke Horiz .95mH Vert 17.5mH | - |
| FB11901 | Ferrite Bead | 227410 |
| FB12701 | Ferrite Bead | 227410 |
| FB12901 | Ferrite Bead | 223785 |
| FB13101 | Ferrite Bead | 226467 |
| FB14105 | Ferrite Bead | 215547 |
| FB14106, 07 | Ferrite Bead | 237504 |
| FB14108 | Ferrite Bead | 237504 |
| FB14114, 15 | Ferrite Bead | 237504 |
| FB14118, 19 | Ferrite Bead | 237504 |
| FB14120 | Ferrite Bead | 226467 |
| FB14402 | Ferrite Bead | 229324 |
| FB14800 | Ferrite Bead | 232765 |
| FB15201, 02 | Ferrite Bead | 226467 |
| FB15203 | Ferrite Bead | 227410 |
| FB17201, 02, 03 | Ferrite Bead | 215546 |
| FB17601 | Ferrite Bead | 215546 |
| FB26401, 02 | Ferrite Bead | 226467 |
| FB27901 | Ferrite Bead | 215547 |
| L12302 | VCO | 215502 |
| L12303 | FM Detect | 233056 |
| L12304 | 10μH | 160518 |
| L13101 Thru | | |
| L13104 | 33μH | 237450 |
| L13105 | 4.7μH | 237451 |
| L13107 | 27μH | 190017 |
| L14102 | 22μH | 215504 |
| L14200 (2) | Degaussing | 225836 |
| L14200 (3) | Degaussing | 237932 |
| # L14201 | Line Filter | 190507 |
| L14401 | 4μH | 215505 |
| # L14402 | 17.5μH Horizontal Linearity | 210895 |
| L14601 | 10μH | 175409 |
| L14702 | 47μH | 190729 |
| L14801 | 390μH | 237452 |
| L15101 | 47μH | 195713 |
| L15202 | 100μH | 161243 |
| L16501 | 220μH | 195707 |
| L17101 | - | 237456 |
| L17102 | - | 227003 |
| L17103 | - | 227005 |
| L17104 | - | 226992 |
| L17105 | - | 227006 |
| L17106 | 3.9μH | 200559 |
| L17107 | - | 226987 |
| L17108 | - | 237457 |
| L17109 | - | 226993 |
| L17110 | - | 226994 |
| L17111 | - | 226998 |
| L17112 | - | 237458 |
| L17113 | - | 227000 |
| L17114 | - | 237459 |
| L17115 | - | 227000 |
| L17116 | - | 237460 |
| L17117, 18 | - | 237461 |
| L17301 | - | 237462 |
| L17302 | - | 226988 |
| L17303 | - | 227005 |
| L17304 | - | 237464 |
| L17305 | - | 237465 |
| L17306 | - | 226990 |
| L17307 | - | 226991 |
| L17308 | - | 237466 |
| L17601, 02 | - | 226999 |
| L17603 | - | 237467 |
| L17604 | - | 237468 |
| L17701, 02 | - | 226986 |

For SAFETY use only equivalent replacement part.

(1) Bonded part of CRT.

(2) Used in models PS36600YX1, PS36605YX2, and PS36700YX1.

(3) Used in models PS32600YX1 and PS32700YX1.

COILS & TRANSFORMERS continued

| Item No. | Function/Rating | Mfr. Part No. |
|---------------------|-------------------|---------------|
| L17703 | - | 226989 |
| L17704 | - | 226996 |
| L17801 | - | 226987 |
| L17802 | - | 226996 |
| L17803 | - | 237461 |
| L18100 | 15μH | 197613 |
| L18101 | 18μH | 195711 |
| L18102 | 5.6μH | 227886 |
| L18103 | 8.2μH | 149170 |
| L18104 | 10μH | 160518 |
| L18105 | 12μH | 210687 |
| L18106 | 27μH | 190017 |
| L18107 | 15μH | 197613 |
| L18108 | 5.6μH | 227886 |
| L18109 | 4.7μH | 197614 |
| L18110 | 10μH | 207880 |
| L18112 | 10μH | 235445 |
| L26401 | 2.2μH | 197616 |
| | 2.2μH | 239143 |
| L26409 | 2.2μH | 197616 |
| L26901 | 100μH | 160186 |
| SVM | - | 237831 |
| # T14101 (4) | SMT | 243745 |
| # T14101 (5) | SMT | 241754 |
| # T14301 | Horizontal Drive | 215541 |
| # T14401 (6) | Horizontal Output | 241319 |
| T17801 | Splitter | 237503 |

PIP TUNER BOARD

| | | |
|----------------|--------------|--------|
| FB27901 | Ferrite Bead | 215547 |
| FL17102 | Filter | 181470 |
| L17101 | - | 215507 |
| L17102 | - | 236641 |
| L17103 | - | 223929 |
| L17104, 05 | - | 223917 |
| L17106 | - | 215507 |
| L17107 | - | 233057 |
| L17108 | - | 233074 |
| L17109 | - | 200559 |
| L17110 | - | 233075 |
| L17111 | - | 233076 |
| L17112 | - | 231441 |
| L17113 | - | 233077 |
| L17114 | - | 231441 |
| L17115 | - | 233078 |
| L17301 | - | 231443 |
| L17302 | - | 231444 |
| L17303 | - | 233079 |
| L17304 | - | 233080 |
| L17305 | - | 236643 |
| L17306 | - | 231448 |
| L27903 | 15μH | 197613 |
| L27904 | - | 236644 |
| L27906, 07, 08 | - | 190017 |

For SAFETY use only equivalent replacement part.

(4) Used in models PS36700YX1 and PSE2700YX1.

(5) Used in models PS36600YX1, PS36605YX1, and PS32600YX1.

(6) Screen and focus controls are part of T14401.

PARTS LIST continued

MISCELLANEOUS

| Item No. | Description | Mfr. Part No. | Notes |
|----------------------|--------------------|---------------|-----------------------------|
| CF12302 | Filter | 195702 | 4.5MHz |
| CF12303 | Trap | 238296 | 4.5MHz |
| DL15201 | Delay Line | 237539 | - |
| # F14201 | Fuse | 175425 | 5A, 125V, Fast Acting |
| IR13401 | Receiver | 237682 | Remote |
| J17801 | Jack | 215543 | 75 RF Input |
| J17802 | Jack | 237538 | RF Output |
| J23903 | Jack | 241776 | S Video 2 Input |
| J23904 | Jack | 227334 | Gemstar IR Output |
| J26701 | Jack | 227348 | Audio Input 2 Left/Mono |
| J26702 | Jack | 227347 | Audio Input 2 Right |
| J26901 | Jack | 239389 | Assembly |
| | Jack | 226298 | Assembly |
| J26902 | Jack | 226298 | Assembly |
| J26903 | Jack | 237510 | S Video Input |
| # K14201 | Relay | 190490 | Degaussing |
| # KS15101 | Socket | 233120 | CRT |
| # P14201 | Line Cord | 241251 | AC, Polarized |
| | Line Cord | 225766 | AC, Polarized |
| SF12301 | Filter | 217318 | SAW |
| SP1, 2 (1)(4) | Speaker | 234543 | 2 1/4", X 5", 8 Ohms, 5W |
| SP1, 2 (2)(3) | Speaker | 225641 | 2 1/4" X 5", 8 Ohms, 5W |
| SP1, 2 (5) | Speaker | 204951 | 5", 8 Ohms |
| SP1, 2 (5) | Speaker | 205260 | 2", 8 Ohms |
| SW11901 | Switch | 211982 | Speaker (Internal/External) |
| SW13410 | Switch | 237537 | Channel Up |
| SW13412 | Switch | 237537 | Power |
| SW13420 | Switch | 237537 | Channel Down |
| SW13421 | Switch | 237537 | Volume Up |
| SW13430 | Switch | 237537 | Menu |
| SW13431 | Switch | 237537 | Volume Down |
| # V101 (1)(5) | CRT | A90AEJ1610 | A90AEJ16X10 |
| # V101 (2) | CRT | A90AFX1610 | A90AFX16X10 |
| # V101 (3) | CRT | HA80EDM169 | A80EDM16X09 |
| # V101 (4) | CRT | HA80AEJ169 | A90AEJ16X09 |
| Y12801 | Crystal | 161235 | 3.58MHz |
| Y13101 | Crystal | 230708 | 4MHz |
| Y14300 | Resonator | 227064 | 507kHz |
| Y17501 | Crystal | 230708 | 4MHz |
| Y18100 | Crystal | 197652 | 14.318MHz |
| Y26401 | Filter | 241784 | 4.03MHz |
| | Fuse Holder | 176642 | For F14201 (2 Used) |
| | PC Board (1)(2) | 243588 | A/V In Jacks |
| | PC Board (2)(3) | 241314 | Aud/SRS 10W |
| | PC Board | 237511 | CRT |
| | PC Board | 243600 | Front Panel |
| | PC Board | 241271 | Gemstar 3 |
| | PC Board | 241315 | In/Out |
| | PC Board | 242728 | PIP Tuner |
| | PC Board (1)(4)(5) | 241270 | SRS Audio |
| | Transmitter | 240896 | Remote, CRK76TBL1 |

PIP TUNER BOARD

| | | | |
|---------|----------|--------|-----------|
| CF27901 | Trap | 181125 | 4.5MHz |
| SF27901 | Filter | 217318 | SAW |
| Y17401 | Crystal | 230708 | 4MHz |
| | PC Board | 242728 | PIP Tuner |

For SAFETY use only equivalent replacement part.

- (1) Used in model PS36600YX1.
- (2) Used in model PS36700YX1.
- (3) Used in model PS32700YX1.
- (4) Used in model PS32600YX1.
- (5) Used in model PS36605YX2.

PARTS LIST continued

CONTROLS & RESISTORS

| Item No. | Function/Rating | Mfr. Part No. |
|---------------------|--------------------------|---------------|
| # R11401, 03 | 2200 5% 1/4W | 175042 |
| # R11410 | 300 5% 1/4W | 241257 |
| # R11412, 21 | 2200 10% 1/4W | 237429 |
| # R11528, 29 | 100 5% 1/4W Nonflammable | 198667 |
| # R11610 | 10 5% 1/4W | 241259 |
| R11616 | 61.9K 1% 1/10W | 225705 |
| R11619 | 220 2% 1/4W | 175324 |
| # R11704, 25 | 10 5% 1/4W | 220568 |
| # R11910, 13 | 4.7 5% 1/4W Nonflammable | 200197 |
| R11950, 51 (1) | 1000 1% 1/10W | 214143 |
| # R11955 (1) | 3900 5% 1/4W | 175890 |
| R12208 | 27K 2% 1/10W | 205245 |
| R12209 | 30K 2% 1/10W | 200176 |
| R12302 | 620 2% 1/8W | 181493 |
| | 680 2% 1/8W | 178286 |
| R12311, 12 | 120K 2% 1/10W | 207834 |
| R12314 | 750 2% 1/10W | 202914 |
| | 680 2% 1/10W | 195939 |
| # R12709 | 27K 10% 1/2W | 238958 |
| R12730 | 931 1% 1/4W | 227847 |
| | 845 1% 1/4W | 234539 |
| R12908 | 180 2% 1/10W | 194918 |
| R12912 | 56 2% 1/10W | 205326 |
| R12914 | 1300 2% 1/10W | 205340 |
| R13123 | 100K 1% 1/10W | 215221 |
| R13124 | 47.5K 1% 1/10W | 237430 |
| R13182 | 1000 2% 1/10W | 197638 |
| R13183 | 2700 2% 1/10W | 197905 |
| # R14106 | 8.2 5% 1/2W | 120595 |
| # R14107 | 1 5% 1/4W Nonflammable | 241262 |
| R14110 | 20K 5% 3W | 237431 |
| # R14125 | 36 5% 1/4W Nonflammable | 241258 |
| R14126 | 30K 5% 3W | 238295 |
| # R14135 | 18 5% 1/2W | 241320 |
| R14147 | 5490 .1% 1/4W | 237434 |
| R14149 | 169 .1% 1/4W | 241751 |
| | 174 .1% 1/4W | 237435 |
| # R14153 (1) | 470 5% 1W | 241551 |
| # R14153 (2) | 2 5% 3W | 237436 |
| # R14170 | 10 5% 1/4W Nonflammable | 241259 |
| # R14200 | 120K 10% 1/2W | 238903 |
| # R14202 | 2.7M 10% 1/2W | 217662 |
| # R14275, 76 | 33 5% 1/4W | 175754 |
| R14282 | 18K 2% 1/8W | 174366 |
| # R14284 | 68 5% 1/4W | 175039 |
| # R14305 | 2700 2% 3W | 243743 |
| | 3600 2% 3W | 181235 |
| R14307 | 1500 2% 1/10W | 192082 |
| # R14401 | 15K 5% 1W | 190557 |
| # R14403 | 820 5% 1W | 175349 |
| R14504 | 5100 2% 1/8W | 240939 |
| # R14507 | 1.5 5% 2W | 237441 |
| R14510 | 510 2% 1/4W | - |
| | 510 5% 1/4W | 240937 |
| # R14511 | 1 10% 2W Wirewound | 215577 |
| # R14515 | 330 5% 2W | 227409 |
| # R14517 | 18 5% 1W | 239258 |
| # R14604 | 3.3 5% 2W Nonflammable | 223680 |
| # R14701 | 10 20% 1/2W | 241261 |
| # R14703 | 1 5% 2W | 145384 |
| | .56 5% 2W | 239115 |
| # R14704 | 82K 10% 1/2W | 239116 |
| # R14705 | 1 5% 1/4W Nonflammable | 241262 |
| # R14716 | 27 5% 3W Wirewound | 237443 |
| # R14802 | 100 5% 1/4W Nonflammable | 198667 |
| R14803 | 28K 1% 1/4W | 195731 |
| R14806 | 40.2K 1% 1/4W | 219026 |
| # R14808 | 1000 5% 1/4W | 237444 |
| # R14810 | 1 5% 1W | 233165 |

For SAFETY use only equivalent replacement part.

(1) Used in models PS36700YX1 and PS32700YX1.

(2) Used in models PS36605YX2, PS36600YX1, and PS32600YX1.

PARTS LIST continued

CONTROLS & RESISTORS continued

| Item No. | Function/Rating | Mfr. Part No. |
|-------------------------|--------------------------|---------------|
| # R14901 | 100 5% 1/4W Nonflammable | 198667 |
| | 22 5% 1/4W Nonflammable | 241921 |
| # R14907 | 26.7K 1% 1/4W | 196081 |
| | 29.4K 1% 1/4W | 197519 |
| # R14908 | 41.2K 1% 1/4W | 176500 |
| | 39.2K 1% 1/4W | 190469 |
| R14909 | 5100 2% 1/4W | 175417 |
| # R15102 | 56K 5% 1/4W | 176801 |
| # R15103 | 1200 5% 1W | 179782 |
| # R15107 | 2.2 5% 3W Wirewound | 227091 |
| | 1.5 5% 3W Wirewound | 237519 |
| # R15114 | 100 5% 1/4W | 210245 |
| # R15119 | 510 5% 1/4W | 237520 |
| # R15121, 22, 23 | 100 5% 1/2W | 176796 |
| R15201, 04 | 680 2% 1/8W | 178286 |
| R15209 | 1600 2% 1/8W | 182824 |
| R15210 | 82 2% 1/10W | 205329 |
| R15213 | 1500 2% 1/8W | 181482 |
| R15215 | 10K 2% 1/8W | 174364 |
| R15216 | 2700 2% 1/8W | 181064 |
| # R15217 | 100 5% 1/4W Nonflammable | 198667 |
| # R15224 | 15 5% 1/2W | 241313 |
| # R15230 | 1000 2% 1/2W | 175055 |
| R15231, 32 | 100K 2% 1/2W | 227408 |
| # R15233 | 75 5% 1/4W | 242194 |
| | 68 5% 1/4W | 242195 |
| # R15234 | 5.6 5% 1/2W | 227403 |
| R15235 | 1000 2% 1/4W | 175055 |
| # R15236 | 68 5% 1W | 237521 |
| # R15237 | 5.6 5% 1/2W | 227403 |
| # R15239 | 220 5% 2W | 175310 |
| # R15240 | 430 5% 2W Wirewound | 237522 |
| R17102 | 1200 2% 1/10W | 194920 |
| R17107 | 470K 2% 1/10W | 205381 |
| R17112, 14 | 1200 2% 1/10W | 194920 |
| R17306 | 82K 2% 1/10W | 197906 |
| R17307 | 51K 2% 1/10W | 205365 |
| R17309, 17 | 91 2% 1/10W | 205330 |
| R17505, 08 | 47K 2% 1/10W | 205364 |
| R17605 | 470 2% 1/10W | 194926 |
| R17609 | 51K 2% 1/10W | 205365 |
| R17704, 06 | 51K 2% 1/10W | 205365 |
| R17708 | 1200 2% 1/10W | 194920 |
| R18114, 17 | 360 2% 1/10W | 205337 |
| R18121 | 180 2% 1/10W | 194918 |
| R18123 | 360 2% 1/10W | 205337 |
| # R18125 | 15 5% 3W Wirewound | 237447 |
| R18126 | 392 1% 1/8W | 234552 |
| | 412 1% 1/8W | 238100 |
| R18127 | 243 1% 1/10W | 214132 |
| R26462 | 357K 1% 1/10W | 241780 |
| # R26705, 07 | 2200 10% 1/4W | 237429 |
| R26743 | 10K 1% 1/4W | 241787 |
| R26744 | 11K 1% 1/10W | 241789 |
| R26745 | 10K 1% 1/4W | 241787 |
| R26746 | 11K 1% 1/10W | 241789 |
| R26747 Thru | | |
| R26750 | 10K 1% 1/10W | 215217 |
| R26920, 21, 24 | 560 2% 1/8W | 182822 |
| R26925 | 560 2% 1/10W | 205338 |
| R26928 | 560 2% 1/8W | 182822 |
| R26929 | 560 2% 1/10W | 205338 |
| R26932 | 560 2% 1/8W | 182822 |
| R26933 | 560 2% 1/10W | 205338 |
| RN14501 | Resistor Network | 215499 |
| # RT14201 | 8 Cold PTC | 207768 |

For SAFETY use only equivalent replacement part.

CONTROLS & RESISTORS continued

| Item No. | Function/Rating | Mfr. Part No. |
|------------------------|-----------------|---------------|
| PIP TUNER BOARD | | |
| R27907 | 10K 2% 1/10W | 195937 |
| R27908 | 20K 2% 1/10W | 197904 |
| R27918 | 330 2% 1/10W | 195929 |
| R27920 | 1000 1% 1/10W | 214143 |
| R27922 | 1500 2% 1/10W | 192082 |
| R27923 | 1000 1% 1/10W | 214143 |
| R27924 | 2000 1% 1/10W | 223788 |
| R27925 | 1400 1% 1/10W | 236639 |
| R27938 | 8200 2% 1/10W | 205349 |
| # R27943 | 8.2 5% 1/2W | 237540 |
| # R27944 | 51 5% 2W | 237541 |

For SAFETY use only equivalent replacement part.

PARTS LIST continued

CAPACITORS & ELECTROLYTICS

| Item No. | Rating | Mfr. Part No. |
|------------------|--------------------|---------------|
| C11612, 13 | 22pF 5% 50V NPO | 194903 |
| # C11614 | 1000µF 20% 16V | 185867 |
| C11704 | 560pF 5% 50V NPO | 220155 |
| C12310 | 120pF 5% 50V NPO | 194902 |
| C12701 | 120pF 5% 50V NPO | 194902 |
| C12803 | 13pF 5% 50V NPO | 236629 |
| C12901 | 330pF 5% 50V NPO | 205227 |
| C12902 | 220pF 5% 50V NPO | 205551 |
| C12903 | 360pF 5% 50V NPO | 214034 |
| C12906 | 82pF 5% 50V NPO | 192049 |
| C13103 | 100pF 5% 50V NPO | 193340 |
| C13106, 07 | 56pF 5% 50V NPO | 214741 |
| C13112 | 330pF 5% 50V NPO | 205227 |
| C13120, 21, 22 | 100pF 5% 50V NPO | 193340 |
| C13134 | 100pF 5% 50V NPO | 195695 |
| C13146, 47 | 100pF 5% 50V NPO | 193340 |
| C13153, 54 | 100pF 5% 50V NPO | 193340 |
| C13166 | 120pF 5% 50V NPO | 174414 |
| C13168 | 100pF 5% 50V NPO | 193340 |
| C13303 Thru | | |
| C13306 | 33pF 5% 50V NPO | 194911 |
| C13308 Thru | | |
| C13311 | 22pF 5% 50V NPO | 194903 |
| C13312 | 100pF 5% 50V NPO | 193340 |
| # C14105 | 33µF 5% 200V | 217299 |
| # C14107, 09 | 470pF 5% 2kV | 227068 |
| C14110 | 470pF 10% 500V NPO | 227050 |
| # C14122 | .033 5% 630V | - |
| | .033 5% 400V | 214747 |
| # C14126 | 470pF 5% 2kV | 227068 |
| # C14136, 37 | 470pF 5% 2kV | 227068 |
| C14140, 41 | 470pF 10% 500V NPO | 227050 |
| # C14144 | .01 10% 50V | 240934 |
| # C14145 | 100µF 20% 63V | 237425 |
| # C14146 | .0068 10% 100V | 232362 |
| # C14147 | 1.5µF 20% 100V | 214049 |
| # C14202 | .22 20% 250VAC | - |
| | .22 20% 125VAC | 231451 |
| # C14203, 04, 05 | 680pF 20% 1kV | 190538 |
| # C14206 | 470pF 250V | 250102 |
| | 470pF 120V | - |
| # C14207 | .005 20% 120V | 195697 |
| # C14208 | 680µF 20% 200V | 190560 |
| # C14209 | .1 20% 250VAC | - |
| | .1 20% 125VAC | 229322 |
| # C14210 | 680pF 20% 1kV | 190538 |
| C14211, 12 | 470pF 10% 50V NPO | 227050 |
| | 470pF 10% 500V NPO | - |
| C14303 | 470pF 5% 50V NPO | 214732 |
| # C14310 | 15pF 1% 250V NPO | 223899 |
| C14311 | 47pF 5% 50V NPO | 210689 |
| C14313, 14 | 100pF 5% 50V NPO | 193340 |
| C14401 | 470pF 5% 50V NPO | 214732 |
| # C14402 | .015 1.6kV | 206007 |
| # C14403 | .5 5% 250V | 200150 |
| # C14404 | 2.2µF 20% 200V | 238291 |
| # C14405 | .0047 10% 250V | 190534 |
| # C14502 | 1500µF 20% 25V | 227019 |
| C14508 | 470pF 10% 50V NPO | 192040 |
| C14702, 04 | 680pF 10% 1kV | 190538 |
| C14707 | 470pF 10% 500V NPO | 227050 |
| C14710 | .01 20% 1kV | 137583 |
| # C14716 | 470pF 5% 2kV | 227068 |
| # C14800 | .043 5% 600V | 220336 |
| C15101 | 68pF 5% 50V NPO | 145676 |
| C15102 | .001 10% 3kV | 120696 |
| C15105 | 27pF 5% 500V NPO | 237517 |
| C15202 | 120pF 5% 50V NPO | 194902 |
| C15203 | 100pF 5% 50V NPO | 174412 |
| C15209, 11 | 100pF 5% 50V NPO | 143871 |
| C15216 | 100pF 5% 500V NPO | 227407 |
| C15218 | 22pF 5% 50V NPO | 194903 |

For SAFETY use only equivalent replacement part.

CAPACITORS & ELECTROLYTICS continued

| Item No. | Rating | Mfr. Part No. |
|----------------|---------------------|---------------|
| C17101 | 180pF 2% 50V NPO | 241265 |
| C17104 | 330pF 5% 50V NPO | 205227 |
| C17109 | 22pF 5% 50V NPO | 194903 |
| C17110 | 39pF 5% 50V NPO | 181090 |
| C17112 | 3pF ±.1pF 50V NPO | 227088 |
| C17113A | 1.5pF ±.1pF 50V NPO | 223146 |
| C17115 | 330pF 5% 50V NPO | 205227 |
| C17117 | 39pF 5% 50V NPO | 202905 |
| C17118 | 180pF 5% 50V NPO | 211039 |
| C17123 | 20pF 5% 50V NPO | 220150 |
| C17124 | 39pF 5% 50V NPO | 202905 |
| C17126 | 150pF 5% 50V NPO | 214032 |
| C17127 | 39pF 5% 50V NPO | 202905 |
| C17210, 11, 12 | 100pF 5% 50V NPO | 193340 |
| C17214 | 100pF 5% 50V NPO | 193340 |
| C17302 | 27pF 5% 50V NPO | 197604 |
| C17305 | 27pF 5% 50V N750 | 214760 |
| C17306 | 27pF 5% 50V NPO | 197604 |
| C17307 | 27pF NPO | - |
| | .001 10% 50V | 192060 |
| C17308 | 120pF 5% 50V NPO | 194902 |
| C17309 | 27pF 5% 50V NPO | 197604 |
| C17310 | .75pF ±.1pF 50V NPO | 227269 |
| C17311 | 27pF 5% 50V N750 | 214760 |
| C17312 | 18pF 2% 50V N220 | 227077 |
| C17313, 14 | 470pF 5% 50V NPO | 214732 |
| C17316 | 27pF 5% 50V NPO | 197604 |
| C17502, 03 | 22pF 5% 50V NPO | 194903 |
| C17504 | 33pF 5% 50V NPO | 194911 |
| C17511 | 27pF 5% 50V NPO | 197604 |
| C17602 | 100pF 5% 50V NPO | 193340 |
| C17605 | 330pF 5% 50V NPO | 205227 |
| | 100pF 5% 50V NPO | 193340 |
| C17607 | 33pF 5% 50V NPO | 194911 |
| C17608, 09 | 100pF 5% 50V NPO | 193340 |
| C17610 | 100pF 5% 50V NPO | 193340 |
| | .001 5% 50V | 193340 |
| C17611 | 27pF 5% 50V NPO | 197604 |
| C17615 | 100pF 5% 50V NPO | 193340 |
| C17701 | 1pF ±.1pF 50V NPO | 227084 |
| C17702 | 2pF ±.1pF 50V NPO | 227074 |
| C17703 | 2pF ±.1pF 50V N750 | 226965 |
| C17704 | 1pF ±.1pF 50V NPO | 227084 |
| | 27pF 5% 50V N750 | 214760 |
| C17707 | 1pF ±.1pF 50V NPO | 227084 |
| C17708 | 3pF ±.1pF 50V NPO | 227088 |
| C17709 | 68pF 5% 50V NPO | 193339 |
| C17710 | 3pF ±.1pF 50V NPO | 227088 |
| C17711 | 1pF ±.1pF 50V NPO | 227084 |
| C17712 | 3pF ±.1pF 50V NPO | 227088 |
| C17802 | 1pF ±.1pF 50V NPO | 227084 |
| C17804 | 470pF 5% 50V NPO | 214732 |
| C17807 | 91pF 5% 50V NPO | 192057 |
| C18103 | 100pF 5% 50V NPO | 193340 |
| C18104 | 220pF 5% 50V NPO | 205551 |
| C18112 | 10pF 5% 50V NPO | 200537 |
| C18114 | 20pF 5% 50V NPO | 220150 |
| C18122 | 47pF 5% 50V NPO | 210689 |
| C18124 | 100pF 5% 50V NPO | 193340 |
| C18127 | 18pF 5% 50V NPO | 214028 |
| C18129 | 100pF 5% 50V NPO | 193340 |
| C18134 | 82pF 5% 50V NPO | 192049 |
| C18137 | 220pF 5% 50V NPO | 205551 |
| C18138 | 330pF 5% 50V NPO | 205227 |
| C18139 | 27pF 5% 50V NPO | 197604 |
| C18142 | 91pF 5% 50V NPO | 192057 |
| C18143 | 82pF 5% 50V NPO | 192049 |
| C18155 | 22pF 5% 50V NPO | 194903 |
| C18156 | 18pF 5% 50V NPO | 214028 |
| C18157 | 82pF 5% 50V NPO | 192049 |
| C18158 | 10pF 5% 50V NPO | 200537 |
| C18159 | 120pF 5% 50V NPO | 194902 |
| C18160 | 150pF 5% 50V NPO | 214032 |
| C18162, 63 | 100pF 5% 50V NPO | 193340 |

PARTS LIST continued

CAPACITORS & ELECTROLYTICS continued

| Item No. | Rating | Mfr. Part No. |
|----------------|------------------|---------------|
| C18164 | 150pF 5% 50V NPO | 214032 |
| C18165, 66, 67 | 47pF 5% 50V NPO | 210689 |
| C18168 | 150pF 5% 50V NPO | 214032 |
| C26402 | 220pF 5% 50V NPO | 205551 |
| C26413 Thru | | |
| C26416 | 56pF 2% 50V NPO | 239136 |
| C26417, 18 | 68pF 2% 50V NPO | 214762 |
| C26421 | 100pF 5% 50V NPO | 193340 |
| C26423 | 33pF 2% 50V NPO | 239138 |
| C26433, 35, 37 | 33pF 2% 50V NPO | 239138 |
| C26438 | 22pF 2% 50V NPO | 223698 |
| C26453 | 100pF 2% 50V NPO | 227089 |
| C26460 | 330pF 2% 50V NPO | 241779 |
| C26461 | 220pF 5% 50V NPO | 205551 |
| C26901, 02 | 10pF 5% 50V NPO | 200537 |
| C26916 | 2.2μF 20% 50V NP | 190527 |

PIP TUNER BOARD

| | | |
|------------|----------------------|--------|
| C17102 | 4pF ±.5pF 50V NPO | 214757 |
| C17103 | 22pF 5% 50V NPO | 194903 |
| C17105 | .75pF ±.1pF 50V NPO | 214758 |
| C17108 | 27pF 5% 50V N750 | 214760 |
| C17110 | 1.5pF ±.1pF 50V NPO | 223146 |
| C17117 | 2pF ±.1pF 50V NPO | 194905 |
| C17118 | 22pF 5% 50V NPO | 194903 |
| C17124 | 27pF 5% 50V NPO | 197604 |
| C17127 | 120pF 5% 50V NPO | 194902 |
| C17136 | 150pF 5% 50V NPO | 214032 |
| C17137 | 330pF 5% 50V NPO | 205227 |
| C17139 | 20pF 2% 50V N220 | 214761 |
| C17140 | 2pF ±.25pF 50V NPO | 194905 |
| C17301, 02 | 1.5pF ±.5pF 50 NPO | 194904 |
| C17304 | 2pF ±.25pF 50V NPO | 194905 |
| C17305 | 75pF 5% 50V NPO | 192061 |
| C17307 | 20pF 5% 50V NPO | 220150 |
| C17308 | 5pF ±.25pF 50V N750 | 231457 |
| C17309 | 10pF ±.25pF 50V N750 | 231458 |
| C17310 | 8pF ±.5pF 50V N750 | 214766 |
| C17311, 12 | 5pF ±.25pF 50V N750 | 231457 |
| C17316 | 8pF ±.5pF 50V NPO | 194909 |
| C17320 | 330pF 5% 50V NPO | 205227 |
| C17322 | 24pF 2% NPO 50V | 231459 |
| C17323 | 6pF ±.25pF 50V NPO | 227250 |
| C17326 | 82pF 2% NPO 50V | 231460 |
| C17405 | 33pF 5% 50V NPO | 194911 |
| C17410, 11 | 10pF 5% 50V NPO | 200537 |
| C27905 | 680pF 5% 50V NPO | 220344 |
| C27907 | 13pF 5% 50V NPO | 236629 |
| C27908 | 33pF 5% 50V NPO | 194911 |
| C27913 | 220pF 5% 50V NPO | 205551 |
| C27921, 22 | 10pF 5% 50V NPO | 200537 |
| C27932 | 2pF ±.1pF 50V NPO | 227074 |
| C27937, 38 | 10pF 5% 50V NPO | 200537 |

PARTS LIST continued

CABINET PARTS

| Item | Mfr. Part No. |
|------|---------------|
|------|---------------|

Models PS32600YX1, PS32700YX1

| | |
|------------------------------|--------|
| A/V In Jack Door | 243606 |
| Back Cover | MK2210 |
| Housing FPA W/Buttons | 243585 |
| Grille Cloth Left | 243394 |
| Grille Cloth Right | 243393 |
| Jack Panel | 243556 |
| Logo (PROSCAN) | 243586 |
| Mask | MK2200 |
| Overlay Circuit A/V In Jacks | 243587 |
| Overlay Jack Panel | 242606 |
| Rear Cover | BK2210 |
| # Tray Chassis | 243557 |

Models PS36600YX1, PS36700YX1

| | |
|------------------------------|--------|
| A/V In Jack Door | 243606 |
| Housing FPA W/Buttons | 243585 |
| Grille Cloth Left | 243311 |
| Grille Cloth Right | 243310 |
| Jack Panel | 243556 |
| Logo (PROSCAN) | 243586 |
| Mask & Back Assembly | MK2198 |
| Overlay Circuit A/V In Jacks | 243587 |
| Overlay Jack Panel | 242606 |
| Rear Cover | BK2225 |
| # Tray Chassis | 243557 |

Model PS36605YX2

| | |
|-----------------------|--------|
| Housing FPA W/Buttons | 243627 |
| Jack Panel | 242607 |
| Logo (PROSCAN) | 226354 |
| Mask & Basic | MK2207 |
| Overlay Jack Panel | 242606 |
| Rear Cover | BK2208 |
| # Tray Chassis | 241276 |
| Window IR | 240954 |

Remote Transmitter

| | |
|--------------|--------|
| Battery Door | 243424 |
|--------------|--------|

For SAFETY use only equivalent replacement part.

SEMICONDUCTORS

(Select the replacement that gives the best results.)

| Item No. | Type No. | Mfr. Part No. | ECG Part No. |
|--------------------------|----------|---------------|--------------|
| CR11501, 02 | - | 232709 | - |
| CR11503 | - | 215488 | ECG136A |
| # CR11600 | - | 159429 | ECG5019T1 |
| CR11601 | - | 164717 | ECG519 |
| CR11701 | - | 223783 | - |
| CR11950 (1) Thru | - | | |
| CR11953 (1) | - | 232709 | - |
| CR12301 | - | 227051 | - |
| CR12702 | - | 164717 | ECG519 |
| CR12703 | - | 232709 | - |
| CR12901 | - | 232709 | - |
| CR12902 | - | 164874 | ECG177 |
| CR13501 | - | 164874 | ECG177 |
| CR14102 | - | 176296 | ECG552 |
| CR14106 | - | 214653 | - |
| | - | 243636 | - |
| CR14107 | - | 223339 | - |
| CR14108 | - | 238099 | - |
| CR14111 | - | 232709 | - |
| CR14113 | - | 176296 | ECG552 |
| CR14115 | - | 217306 | - |
| CR14116 | - | 223339 | - |
| CR14201 | - | 164717 | ECG519 |
| # CR14210 | - | 214649 | - |
| CR14302 | - | 164717 | ECG519 |
| CR14303 | - | 176296 | ECG552 |
| CR14401 | - | 140971 | ECG558 |
| CR14403 | - | 227291 | - |
| CR14501 | - | 155276 | ECG116 |
| CR14603 | - | 139706 | ECG177 |
| CR14604 | - | 155276 | ECG116 |
| CR14701 | - | 241304 | - |
| CR14702 | - | 164589 | ECG580 |
| CR14703 | - | 207878 | ECG519 |
| CR14704 | - | 237472 | - |
| CR14705 | - | 237473 | - |
| CR14800 | - | 164589 | ECG580 |
| # CR14901 | - | 157301 | ECG177 |
| # CR14902 | - | 159429 | ECG5019T1 |
| CR15101 | - | 228429 | - |
| # CR15102, 03, 04 | - | 139706 | ECG177 |
| # CR15201 | - | 139706 | ECG177 |
| CR15202, 03 | - | 207878 | ECG519 |
| CR17101 | - | 255493 | - |
| CR17102 | - | 211863 | - |
| CR17103 | - | 215493 | - |
| CR17104 | - | 233085 | - |
| CR17105 | - | 211863 | - |
| CR17106, 07 | - | 215493 | - |
| CR17108 | - | 211863 | - |
| CR17109, 10, 11 | - | 215493 | - |
| CR17112 | - | 227082 | - |
| CR17113 | - | 215493 | - |
| CR17301 | - | 215493 | - |
| CR17303, 04, 05 | - | 215492 | - |
| CR17307 | - | 227082 | - |
| CR17601, 02 | - | 227051 | - |
| CR17701 | - | 215492 | - |
| CR17702 | - | 211863 | - |
| CR17703 | - | 215493 | - |
| CR18101, 02 | - | 232709 | - |
| CR26401 | - | 223651 | - |
| CR26402 | - | 232709 | - |
| CR26701 Thru | - | | |
| CR26704 | - | 232709 | - |
| CR26705 | - | 218987 | - |
| CR26706, 07 | - | 232709 | - |
| CR26901 | - | 220638 | ECG5014A |
| CR26901A | - | 220638 | ECG5014A |
| CR26902 | - | 220638 | ECG5014A |
| CR26902A | - | 220638 | ECG5014A |

For SAFETY use only equivalent replacement part.

(1) Used in models PS36700YX1 and PS32700YX1.

SEMICONDUCTORS continued

(Select the replacement that gives the best results.)

| Item No. | Type No. | Mfr. Part No. | ECG Part No. |
|----------------|----------|---------------|--------------|
| CR26903 | - | 220638 | ECG5014A |
| CR26903A | - | 220638 | ECG5014A |
| CR26905 | - | 232710 | - |
| Q11501 | - | 215495 | - |
| Q11502 | - | 215496 | - |
| Q11503, 08 | - | 215495 | - |
| Q11509 | - | 215496 | - |
| Q11600 | - | 177788 | ECG31 |
| Q11601, 02 | - | 215495 | - |
| Q11900 | - | 215495 | - |
| Q12301 | - | 215496 | - |
| Q12302 | - | 219412 | - |
| Q12701 Thru | | | |
| Q12705 | - | 215496 | - |
| Q12901, 02, 03 | - | 215495 | - |
| Q12904 | - | 215496 | - |
| Q13101, 03 | - | 215496 | - |
| Q13104 | - | 215495 | - |
| Q13106 | - | 219412 | - |
| Q13109 | - | 215496 | - |
| Q13301 | - | 215496 | - |
| Q13501 | - | 215496 | - |
| Q13503 | - | 215495 | - |
| Q14101 | IRF740 | 237469 | ECG2397 |
| Q14275 | - | 219025 | ECG159 |
| Q14276 | - | 229220 | - |
| Q14301 | - | 146851 | ECG287 |
| Q14302 | - | 215495 | - |
| Q14401 | - | 237470 | - |
| Q14501 | - | 215495 | - |
| Q14502 | - | 215496 | - |
| Q14503 | - | 215495 | - |
| Q14802 | - | 217309 | - |
| # Q14901 | - | 147665 | ECG159 |
| Q15101, 02, 03 | BF421 | 227406 | ECG399 |
| Q15104, 05, 06 | 2SC3229 | 208434 | ECG2501 |
| Q15107 | - | 219025 | ECG159 |
| Q15108, 09, 10 | BF420 | 226453 | ECG399 |
| Q15201 Thru | | | |
| Q15206 | - | 215495 | - |
| Q15207 | - | 215496 | - |
| Q15210 | - | 215495 | - |
| Q15211 | - | 215496 | - |
| Q15212 | - | 227405 | - |
| Q15213 | - | 227404 | - |
| Q17101 | - | 226973 | - |
| Q17301 | - | 227008 | - |
| Q17503, 04 | - | 215496 | - |
| Q17505 | - | 231534 | - |
| Q17601 | - | 226981 | - |
| Q17801 | - | 226981 | - |
| Q18100, 01 | - | 215495 | - |
| Q18102 | - | 219412 | - |
| Q18103, 04 | - | 215495 | - |
| Q18105, 06 | - | 215496 | - |
| Q18107, 08, 09 | - | 215495 | - |
| Q18110, 11 | - | 215496 | - |
| Q18112 | - | 215495 | - |
| Q18113 | - | 215496 | - |
| Q26401 | - | 215496 | - |
| Q26402 | - | 215495 | - |
| Q26403, 04, 05 | - | 215496 | - |
| Q26408 | - | 215496 | - |
| Q26409 | - | 215495 | - |
| Q26701, 02 | - | 215495 | - |
| Q26703 | - | 227814 | - |
| Q26704 | - | 215496 | - |
| Q26705 | - | 227814 | - |
| Q26706 | - | 215496 | - |
| Q26901 | - | 215496 | - |
| Q26902, 03, 04 | - | 215495 | - |

For SAFETY use only equivalent replacement part.

SEMICONDUCTORS continued

(Select the replacement that gives the best results.)

| Item No. | Type No. | Mfr. Part No. | ECG Part No. |
|------------|----------------|---------------|--------------|
| U11401 | - | 237474 | - |
| U11501 (1) | MC3403N | 241785 | ECG987 |
| U11600 | CXA2074S | 237930 | - |
| U11701 | MC3403N | 241785 | ECG987 |
| U11702 | TL082CN | 204292 | - |
| U11901 (1) | - | 239209 | - |
| U11901 (2) | TDA7499 | 235446 | - |
| U13101 | ST9296N9B1/JBE | 242620 | - |
| | - | 241760 | - |
| U13102 | ST24C08 | 241275 | - |
| U14101 | TDA4605 | 237476 | - |
| U14104 | L78S75CV | 231526 | - |
| U14275 | UA741CN | 237477 | ECG941M |
| U14501 | TDA8177 | 215531 | - |
| U14601 | L78S2CV | 241752 | - |
| U14701 | TDA8132 | 236646 | - |
| # U14801 | LM358WH | 223682 | - |
| # U16201 | LA7612N | 241266 | - |
| U17501 | - | 231529 | - |
| U17701 | - | 227007 | - |
| U18100 | M65616SP-A | 241753 | - |
| U18101 | LM317T | 214704 | ECG956 |
| U26401 | - | 241781 | - |
| U26403 | - | 241783 | - |
| U26404 | - | 237669 | - |
| U26405 | HC123A | 239151 | - |
| U26406 | - | 242867 | - |
| U26701 | - | 218520 | - |
| U26702 | - | 204292 | - |
| U26901 | TEA6415C | 235447 | - |

PIP TUNER BOARD

| | | | |
|-----------------|-----------|--------|---------|
| CR17101, 02, 03 | - | 215492 | - |
| CR17105 | - | 215493 | - |
| CR17106 | - | 233085 | - |
| CR17107, 08 | - | 211863 | - |
| CR17109, 10 | - | 215493 | - |
| CR17111 | - | 211863 | - |
| CR17112 | - | 215493 | - |
| CR17113 | - | 233085 | - |
| CR17114 | - | 215492 | - |
| CR17301 | - | 215492 | - |
| CR17302 | - | 211863 | - |
| CR17303 | - | 215493 | - |
| CR17304 | - | 215492 | - |
| CR27901 | - | 227051 | - |
| Q17101, 02 | - | 226973 | - |
| Q17402 | - | 215496 | - |
| Q17403 | - | 231534 | - |
| Q17404 | - | 215496 | - |
| Q27901, 02 | - | 215495 | - |
| Q27903, 04 | - | 215496 | - |
| Q27905 | - | 215495 | - |
| Q27906, 08 | - | 215496 | - |
| Q32101 | - | 219412 | - |
| U17301 | - | 231528 | - |
| U17401 | - | 231529 | - |
| U27901 | M52730ASP | 236645 | - |
| U27902 | TDA8444P | 204290 | - |
| U27903 | ST24C02 | 233181 | - |
| U27904 | LM393N | 227341 | ECG943M |
| U27905 | TDA8132 | 236646 | - |

For SAFETY use only equivalent replacement part.

(1) Used in models PS36700YX1 and PS32700YX1.

(2) Used in models PS36605YX2, PS36600YX1, and PS32600YX1.

TELEVISION SCHEMATIC

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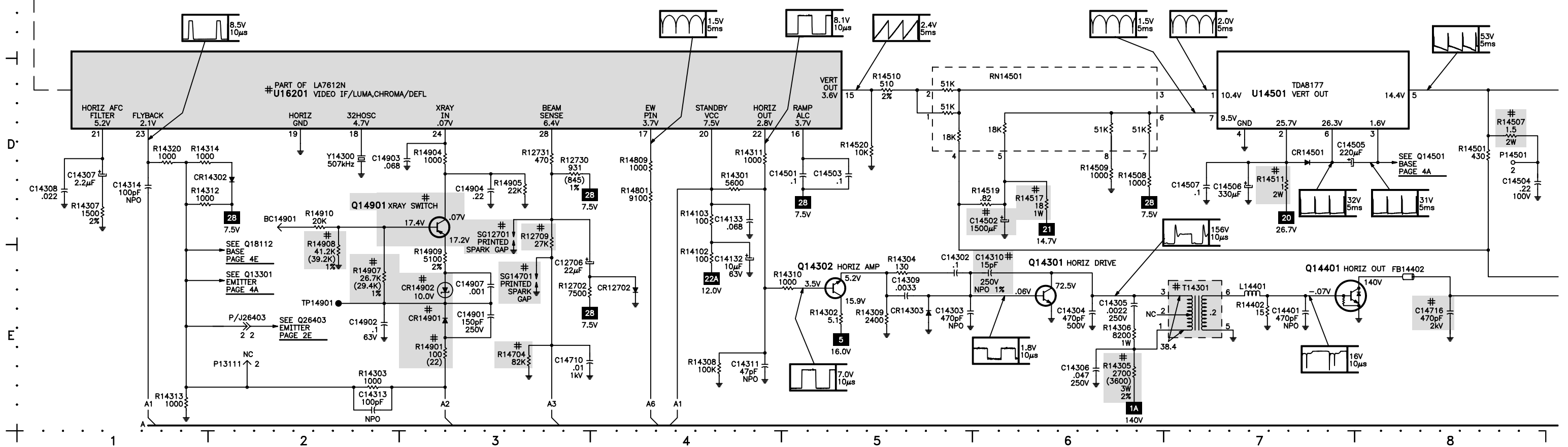


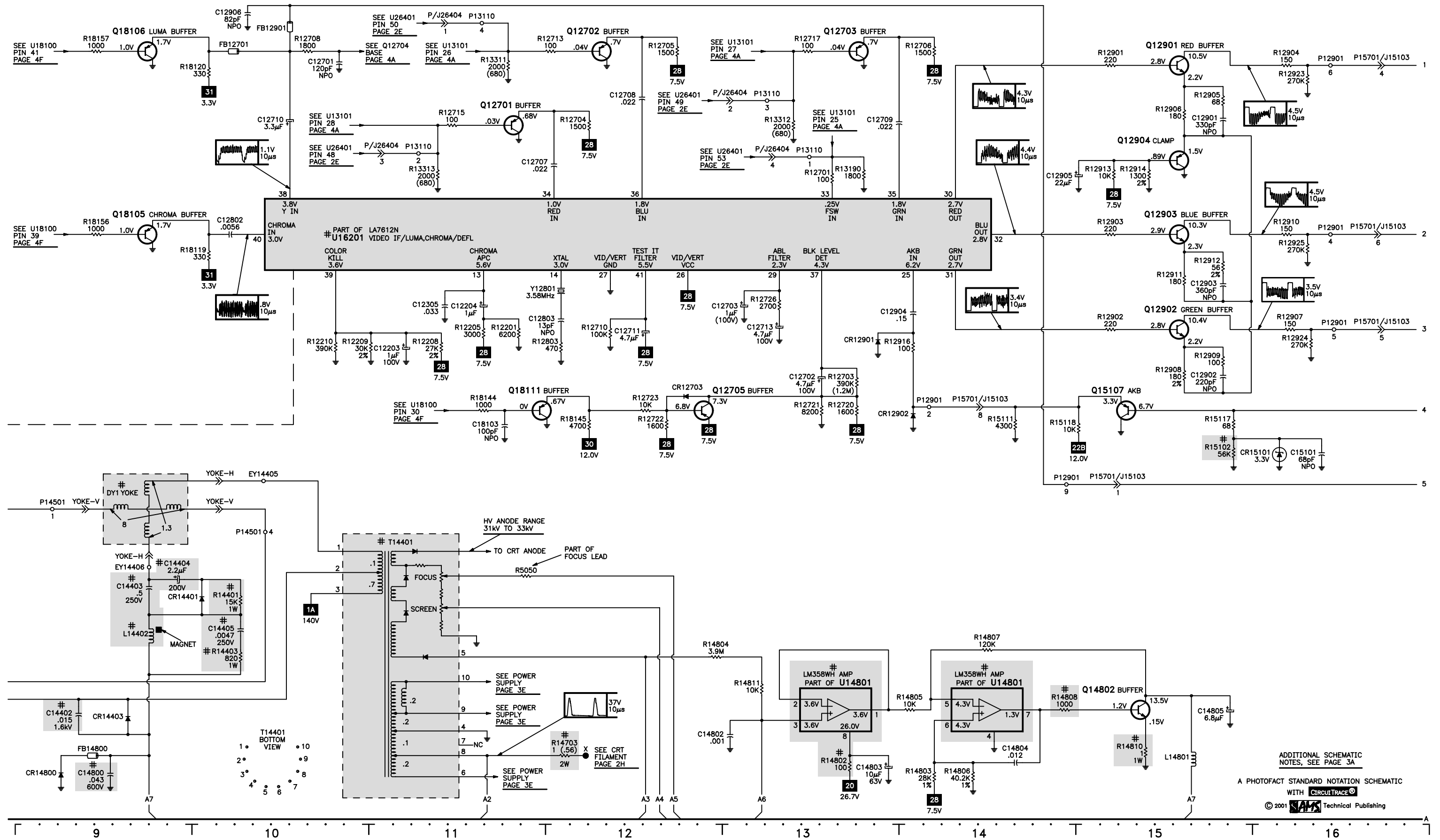
ADDITIONAL SCHEMATIC
NOTES, SEE PAGE 3A

SYNC

D

E



TELEVISION SCHEMATIC continued

H



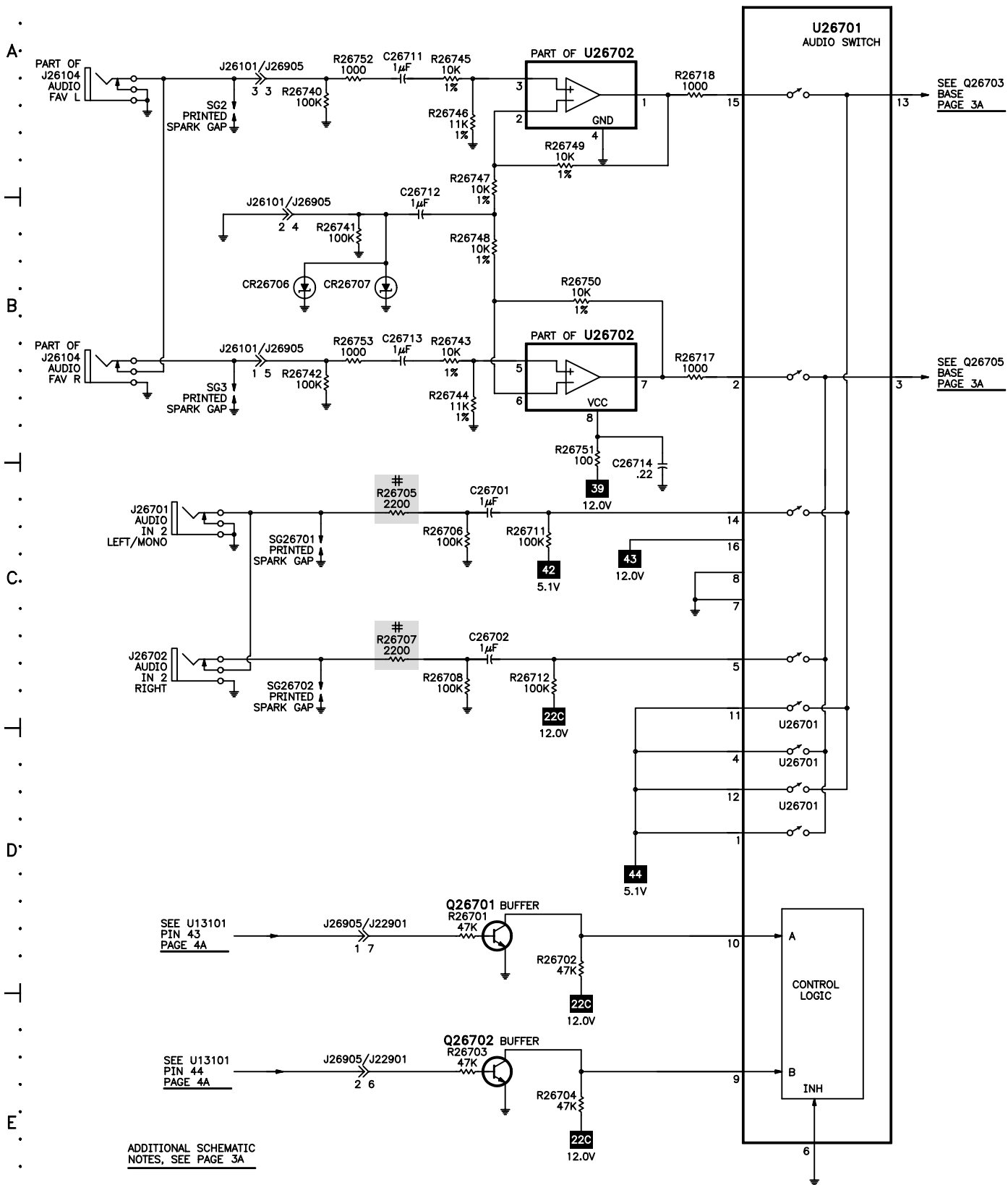
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D



H AUDIO SWITCHING

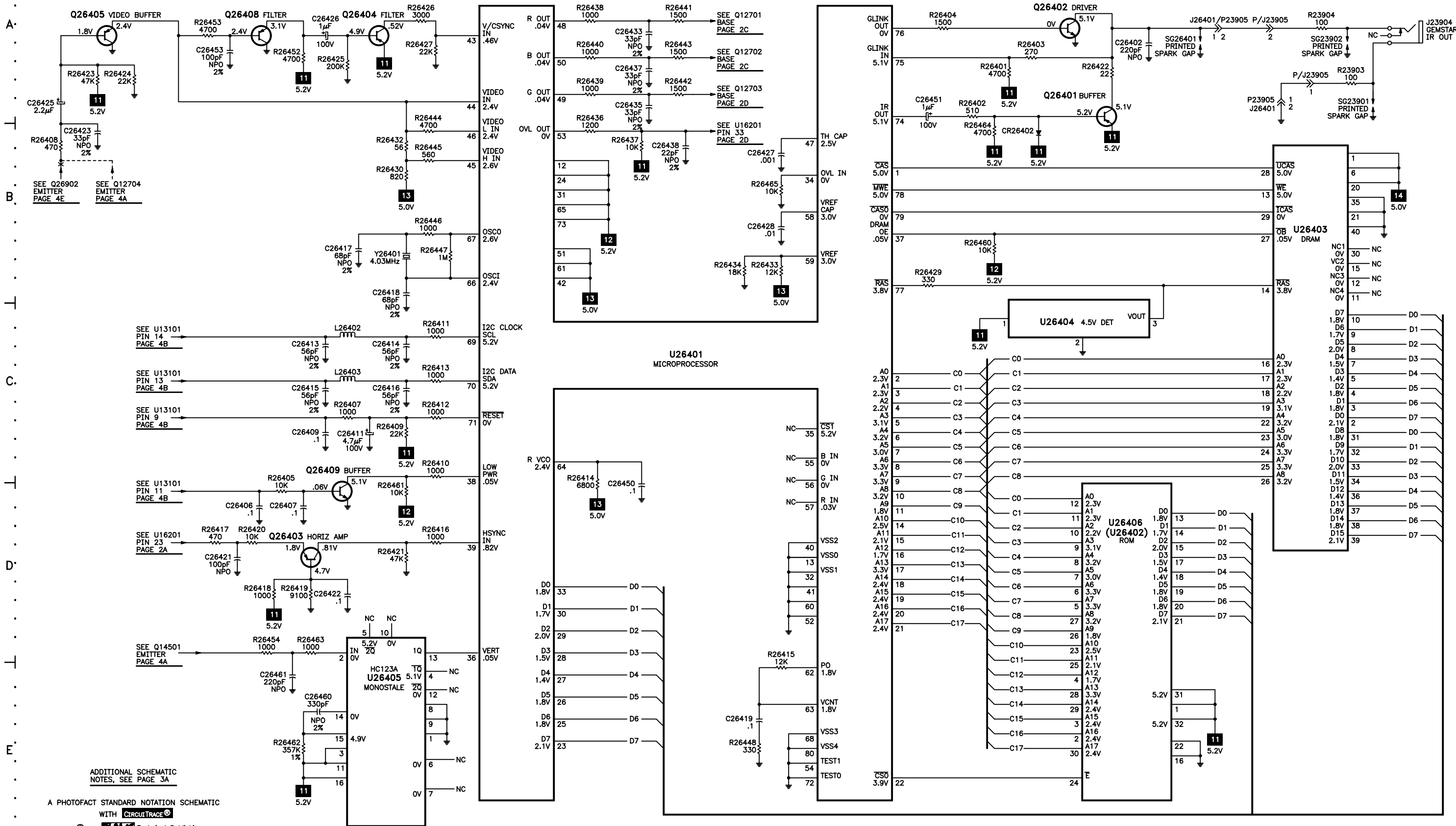


A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH **CIRCUITRACE®**

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GEMSTAR 3 SCHEMATIC



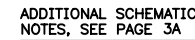
B



SEE U13101
PIN 3 —
PAGE 4B

SEE U13101
PIN 4 —
PAGE 4B

C



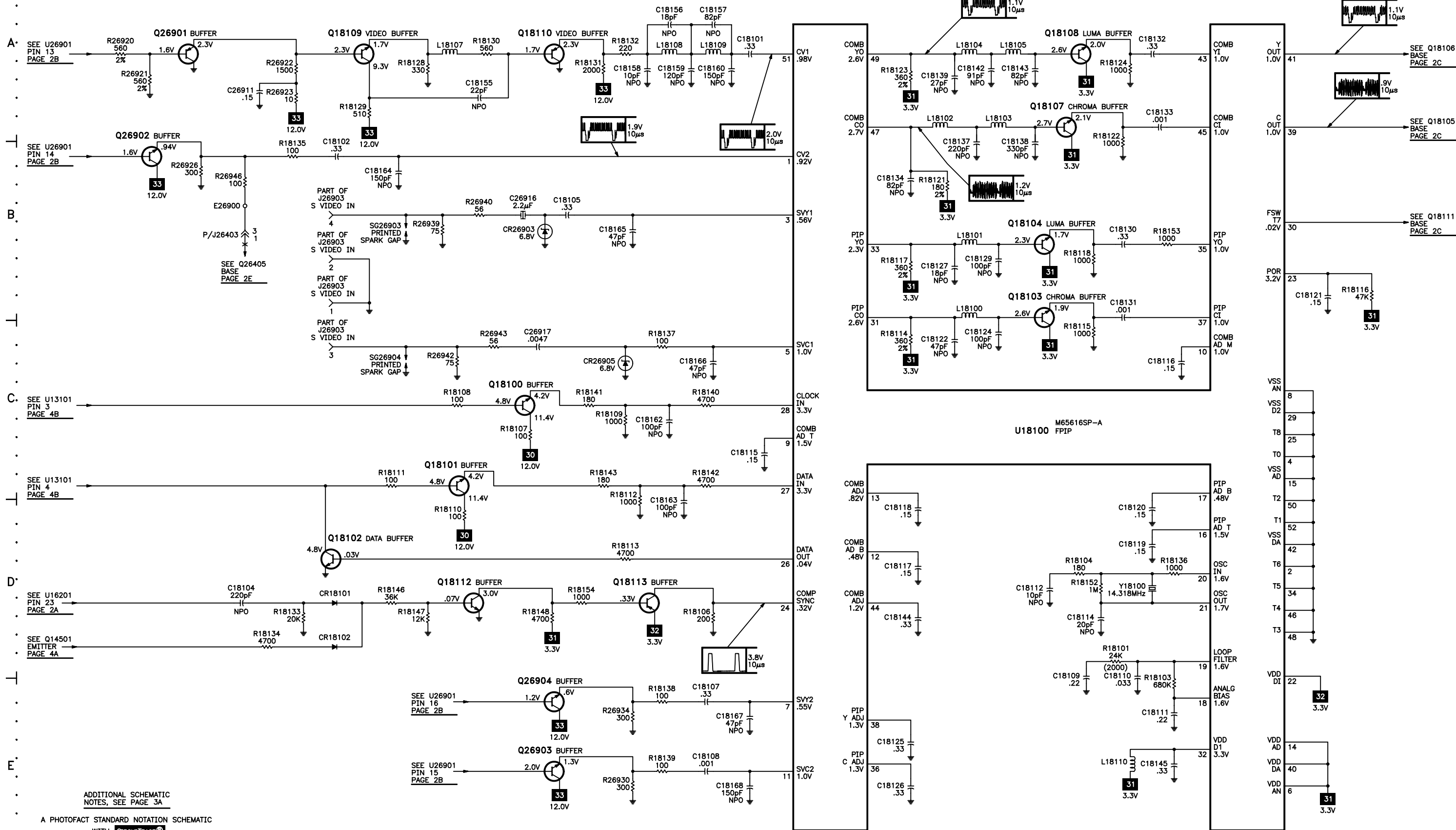
A PHOTOFACT STANDARD NOTATION SCHEMATIC
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E

PIP SCHEMATIC

F

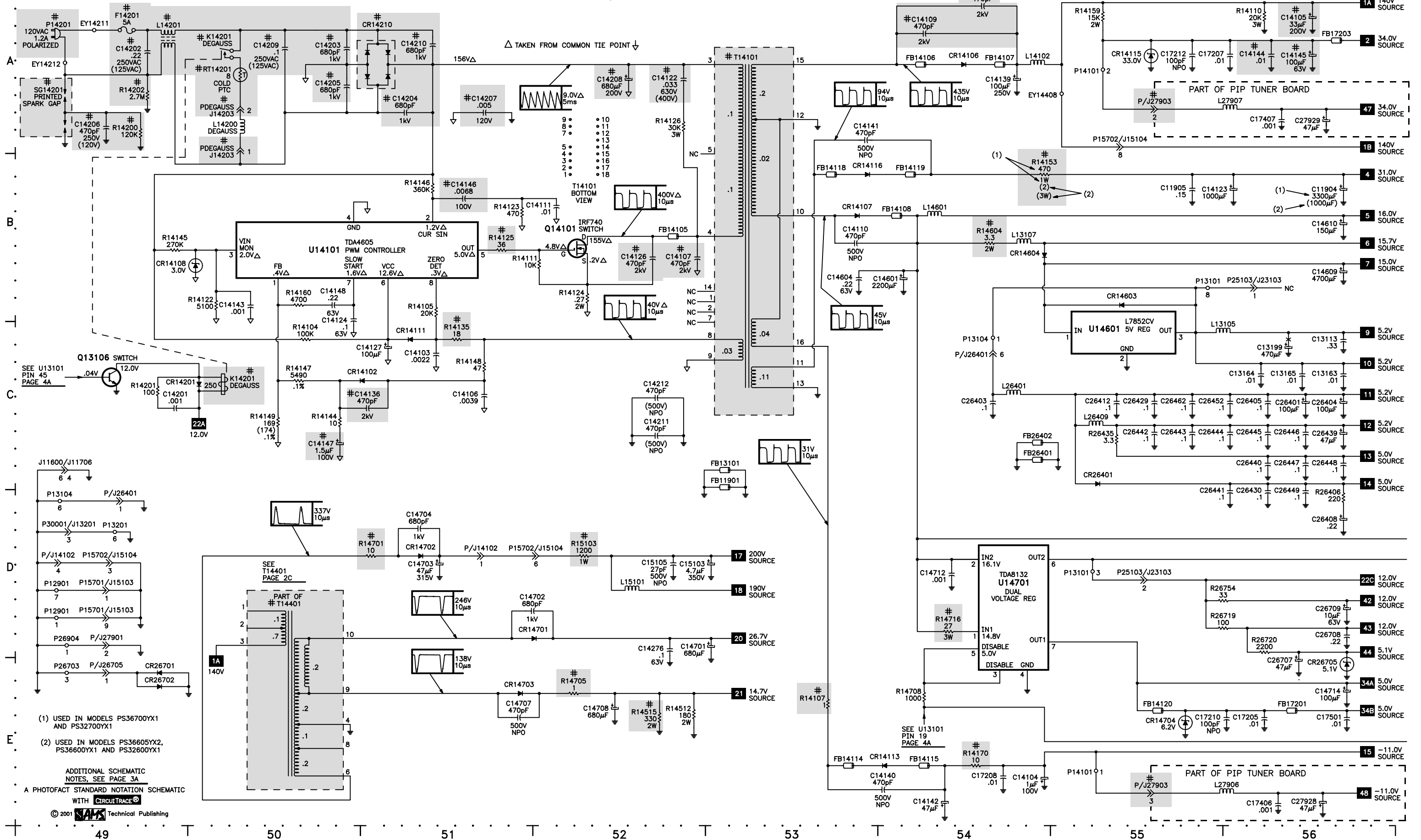


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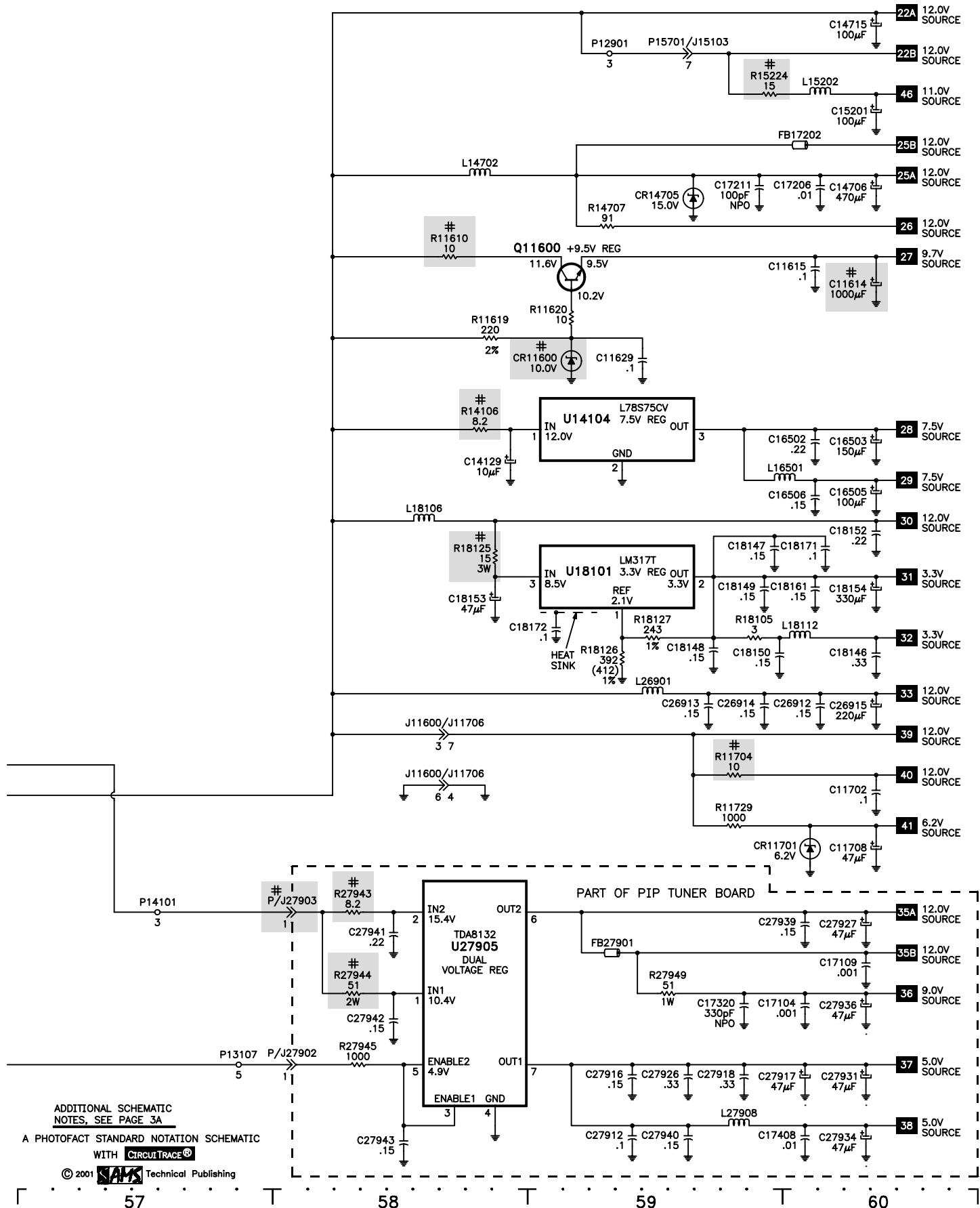
G



F



G POWER SUPPLY, PIP TUNER BOARD SCHEMATIC continued

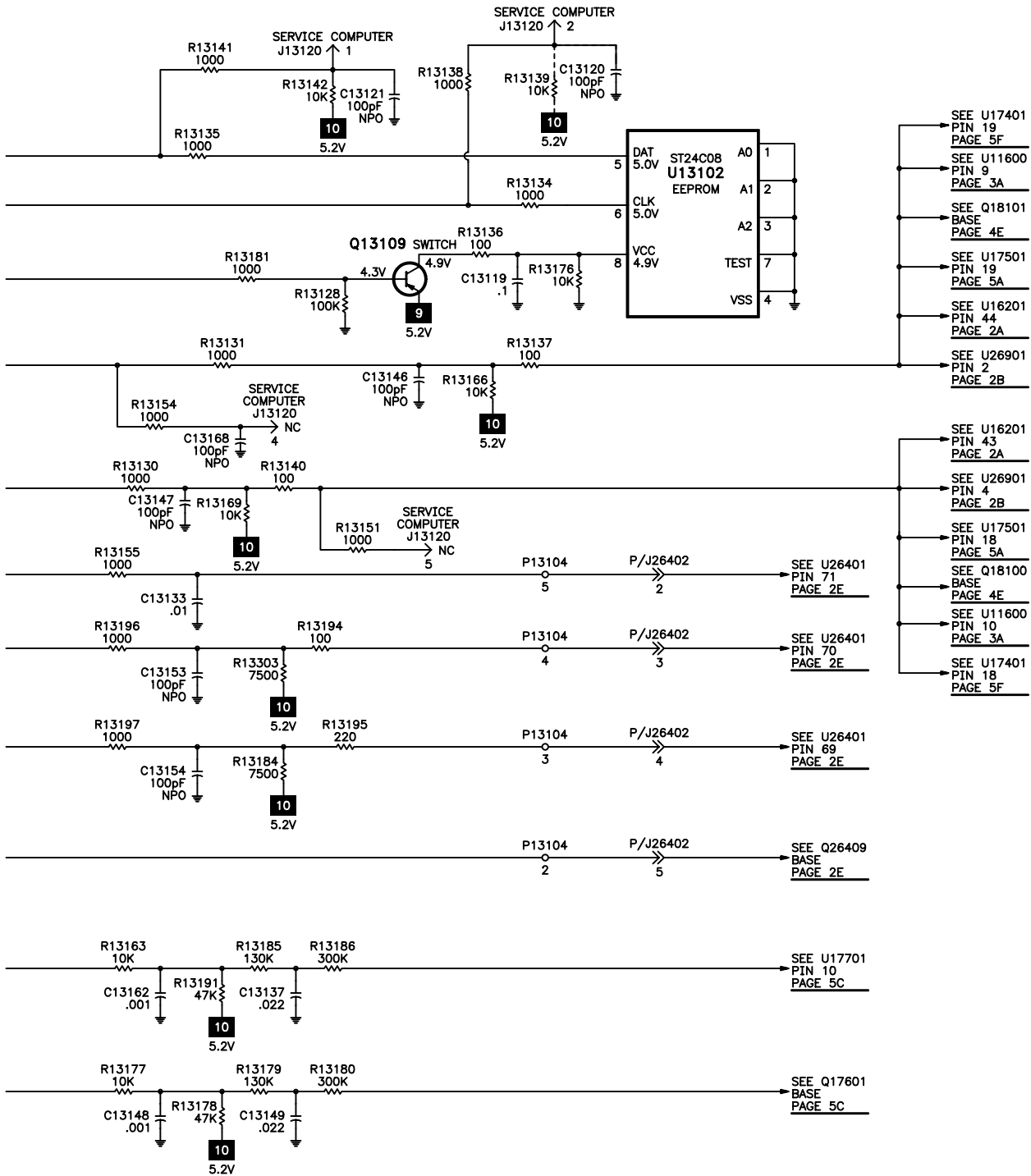


B



C

SYSTEM CONTROL SCHEMATIC continued



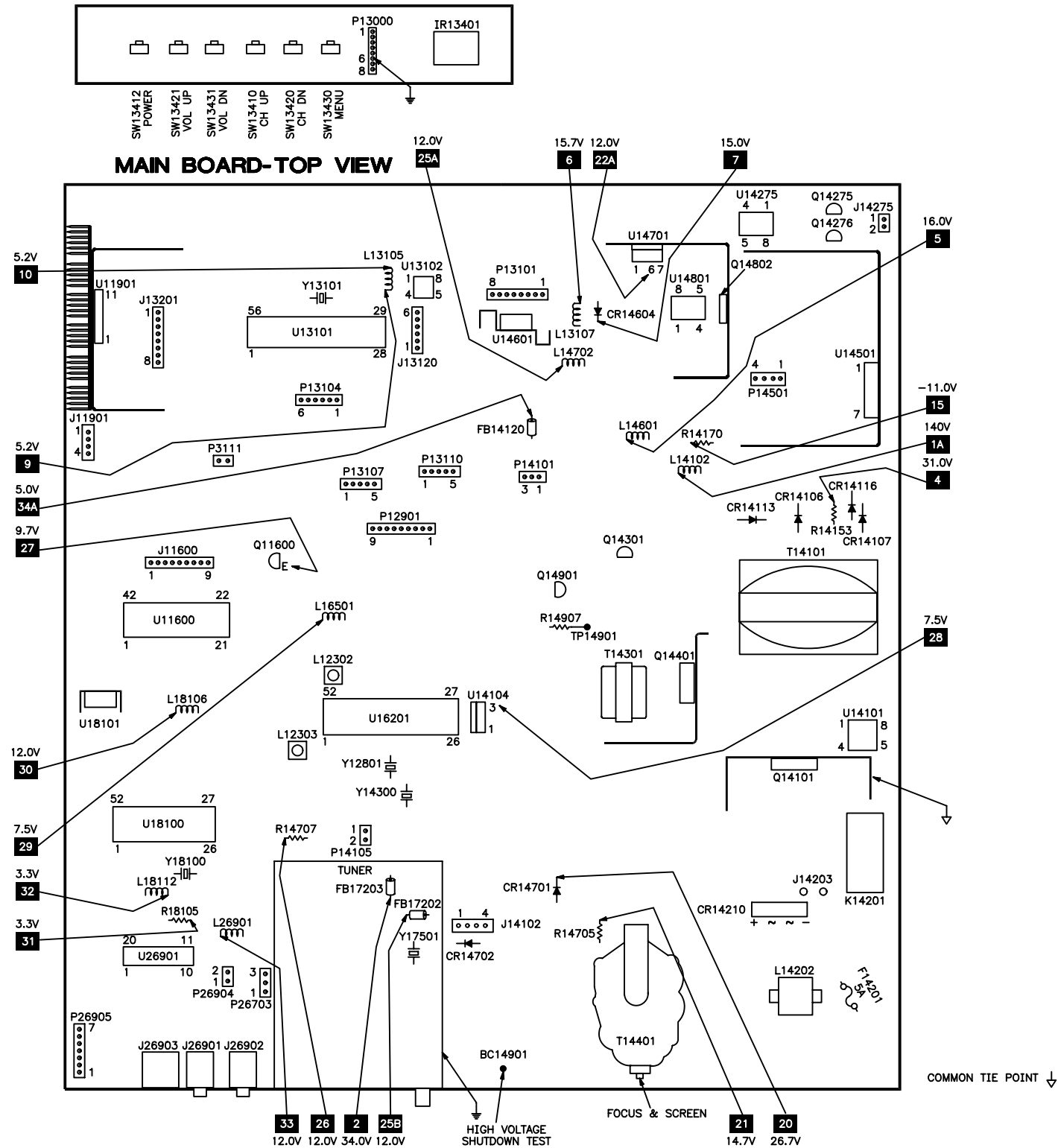
ADDITIONAL SCHEMATIC
NOTES, SEE PAGE 3A

A PHOTOFAC STANDARD NOTATION SCHEMATIC
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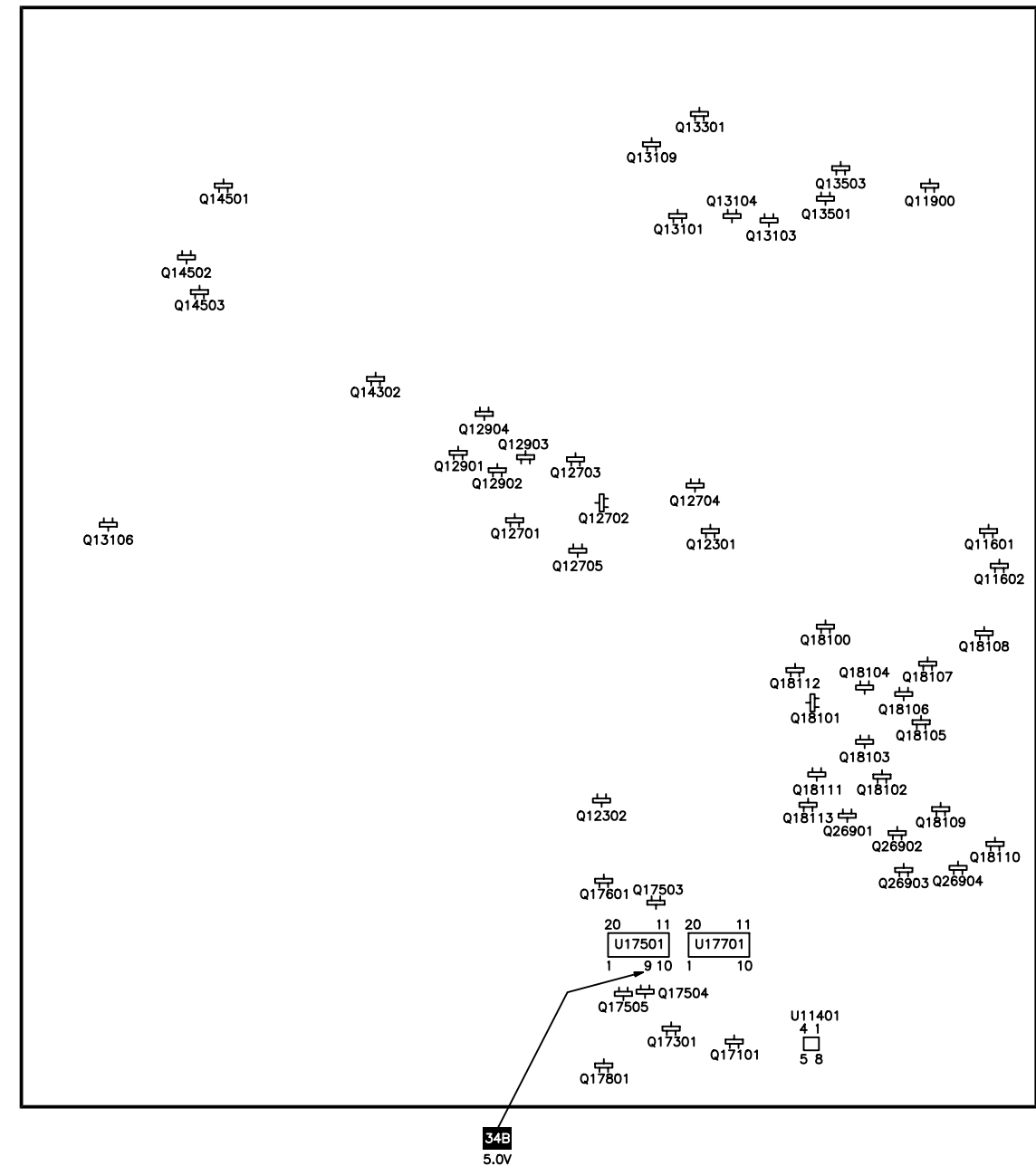
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PLACEMENT CHART continued

FRONT PANEL BOARD

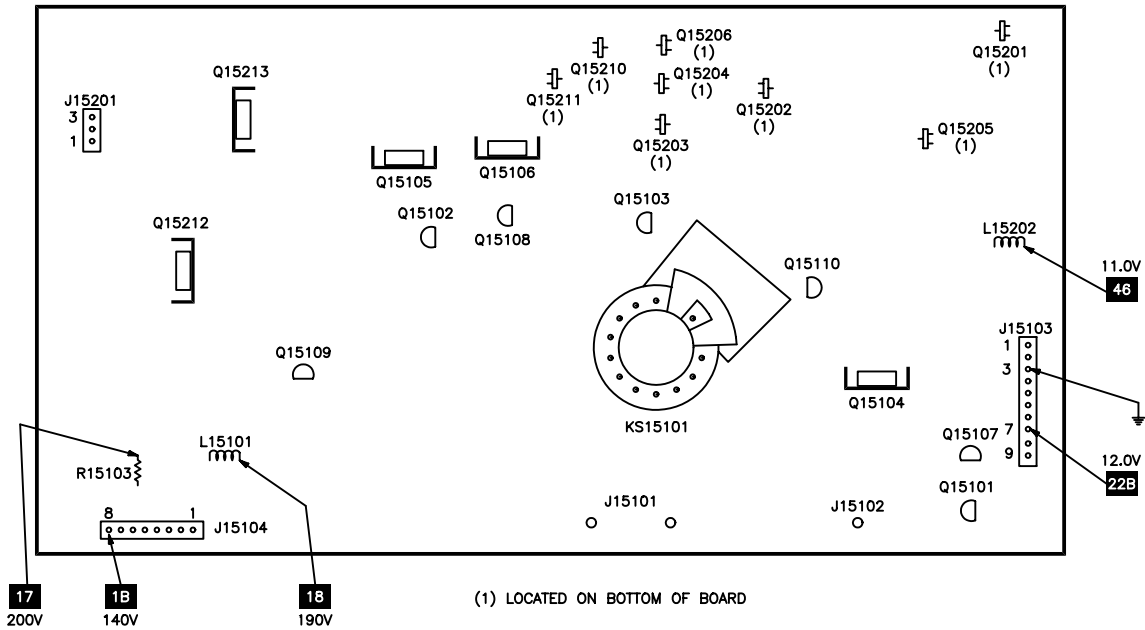


MAIN BOARD-BOTTOM VIEW

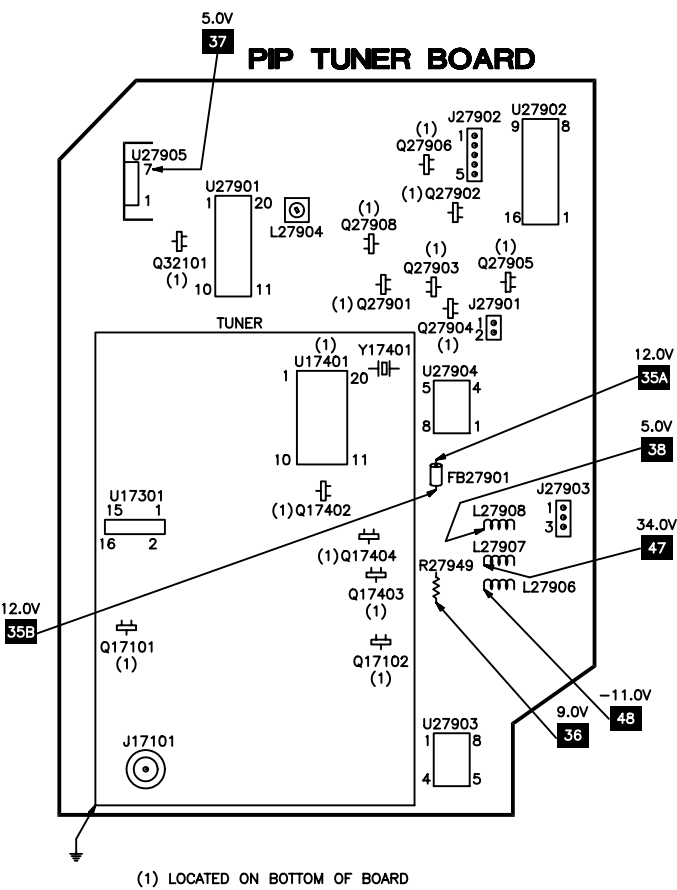


PLACEMENT CHART

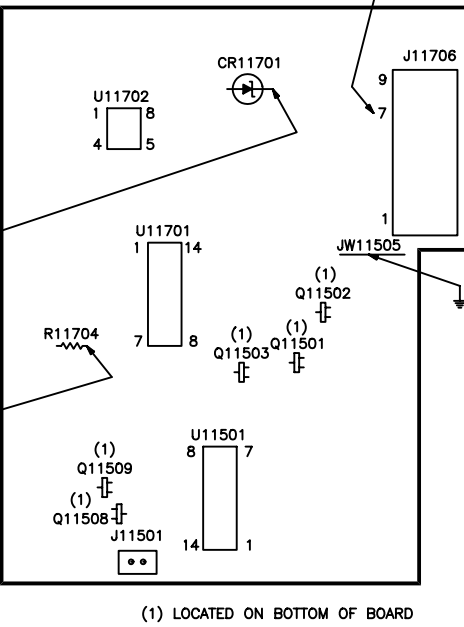
CRT BOARD



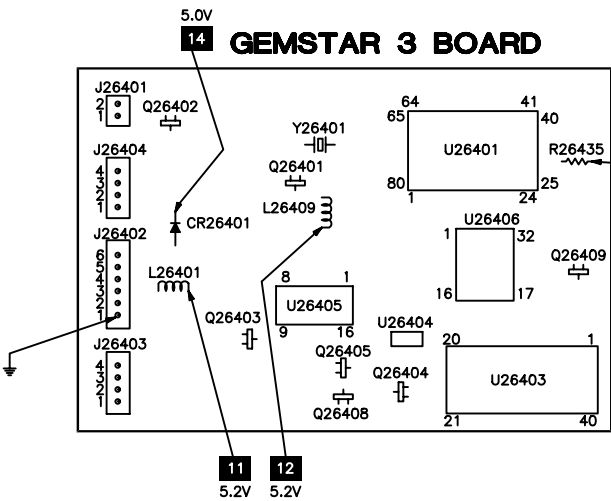
PIP TUNER BOARD



SRS AUDIO BOARD



GEMSTAR 3 BOARD



IN/OUT BOARD

