



‡	— 16 PIN SOCKET (9 PER)
‡‡	— 24 PIN SOCKET (6 PER)
‡‡‡	— 28 PIN SOCKET (2 PER)
‡‡‡‡	— 40 PIN SOCKET (1 PER)



FRANKLIN PK ILL

NO	REQ	D	PER
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PART NO

A082 - 91375 - B000

DO NOT SCALE DWG

DIM TOLERANCES

UNLESS SPECIFIED

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

1. 2000年1月1日	2. 2000年1月1日
3. 2000年1月1日	4. 2000年1月1日

END

100

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MEAT THEAT

MAIL

100

100

FINISH

SCALE

1

1

1

Y DRAWING

LET DRAWING

IAN



UNMARKED CAPS ARE .1 MF CER. AX.
RESISTOR UNIT = Ohm

‡ — 16 PIN SOCKET (9 PER)

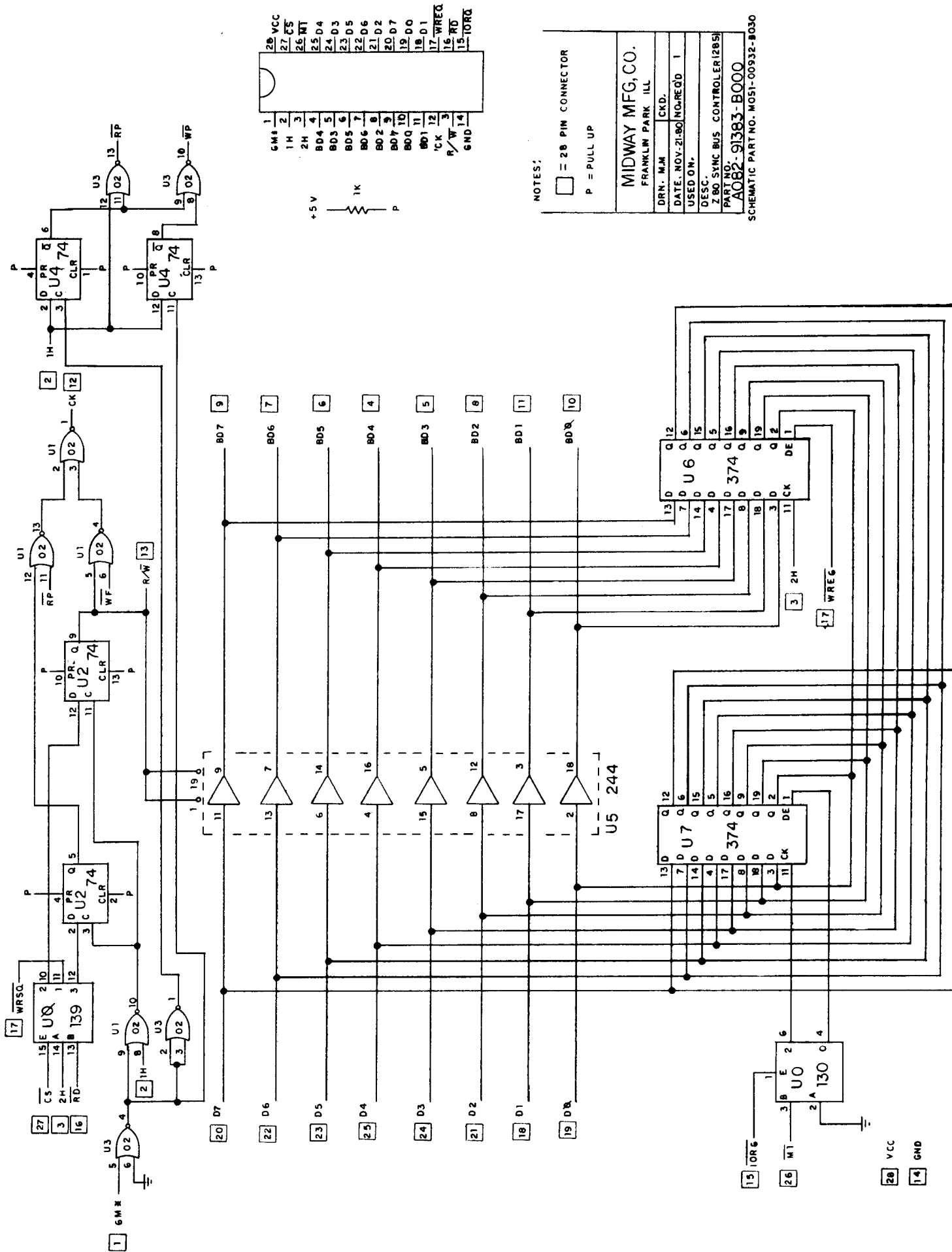
‡‡ — 24 PIN SOCKET (6 PER)

‡‡‡ — 28 PIN SOCKET (2 PER)

— 40 PIN SOCKET (1 PER)

**GAME BOARD P.C.
PAC - MAN
P.C. A082 - 91375 - A000
B000**

CHIP NUMBER	FUNCTION	CHIP NUMBER	FUNCTION
74LS00	Quad 2 input Nand	NVC284	Custom V Ram Addresser
74LS02	Quad 2 input Nor	NVC285	Custom Z80 Sync buss controller
74LS08	Quad 2 input And	CD4066	Quad bilateral switch
74LS10	Triple 3 input Nand	2114	Ram 1K x 4
74LS20	Dual 4 input Nand	1M5623	Prom 256 x 4
74LS42	BCD to decimal decoder	7603	Prom 32 x 8
74LS74	Dual "D" Flip-Flop	MCM 2532	Prom 4K x 8
74LS75	Quad latch	SL 4239	Ram 1K x 1
74LS86	Quad 2 input exclusive or	93415	Ram 1K x 1
74S89	64 Bit Ram 16 x 4	27LS00	Ram 1K x 1
74LS107	Dual "JK" Flip-Flop	MB 8125	Ram 1K x 1
74LS138	3 to 8 line decoder	CD 4099	8 bit addressable latch
74LS139	Dual 2 to 4 line decoder	N8T245	Octal bus transceiver
74LS157	Quad 2 to 1 line multiplexer	54LS174	Hex "D" Flip-Flop
74LS158	Quad 2 to 1 line multiplexer inverting	MB7052	Prom 256 x 4
74LS161	4 Bit binary counter	MB7051	Prom 32 x 8
74LS174	Hex "D" Flip-Flop	8304	Octal bus transceiver
74LS194	8 bit shift register	Additional Devices	
74LS245	Octal bus transceiver	78GVIC	Voltage regulator
74LS259	8 bit addressable latch	D44VM4	Transistor NPN
74LS273	Octal "D" Flip-Flop	D40K1	Transistor NPN
74LS283	4 Bit full adder	2N3391	Transistor NPN
74LS367	Hex bus driver	1N4004	Diode
74LS368	Hex bus driver inverting	A15	Diode
74LS377	Octal "D" Flip-Flop	1N914B	Diode
Z80	CPU	1N4737	6.2V Zener diode
LM377 - LM877	Dual audio amplifier	18.4320	Crystal



NOTES:

□ = 28 PIN CONNECTOR

P = PULL UP

MIDWAY MFG. CO.

FRANKLIN PARK ILL

DRN. M.M. CKD.

DATE. NOV. 21. 80 NO. REQ'D 1

USED ON.

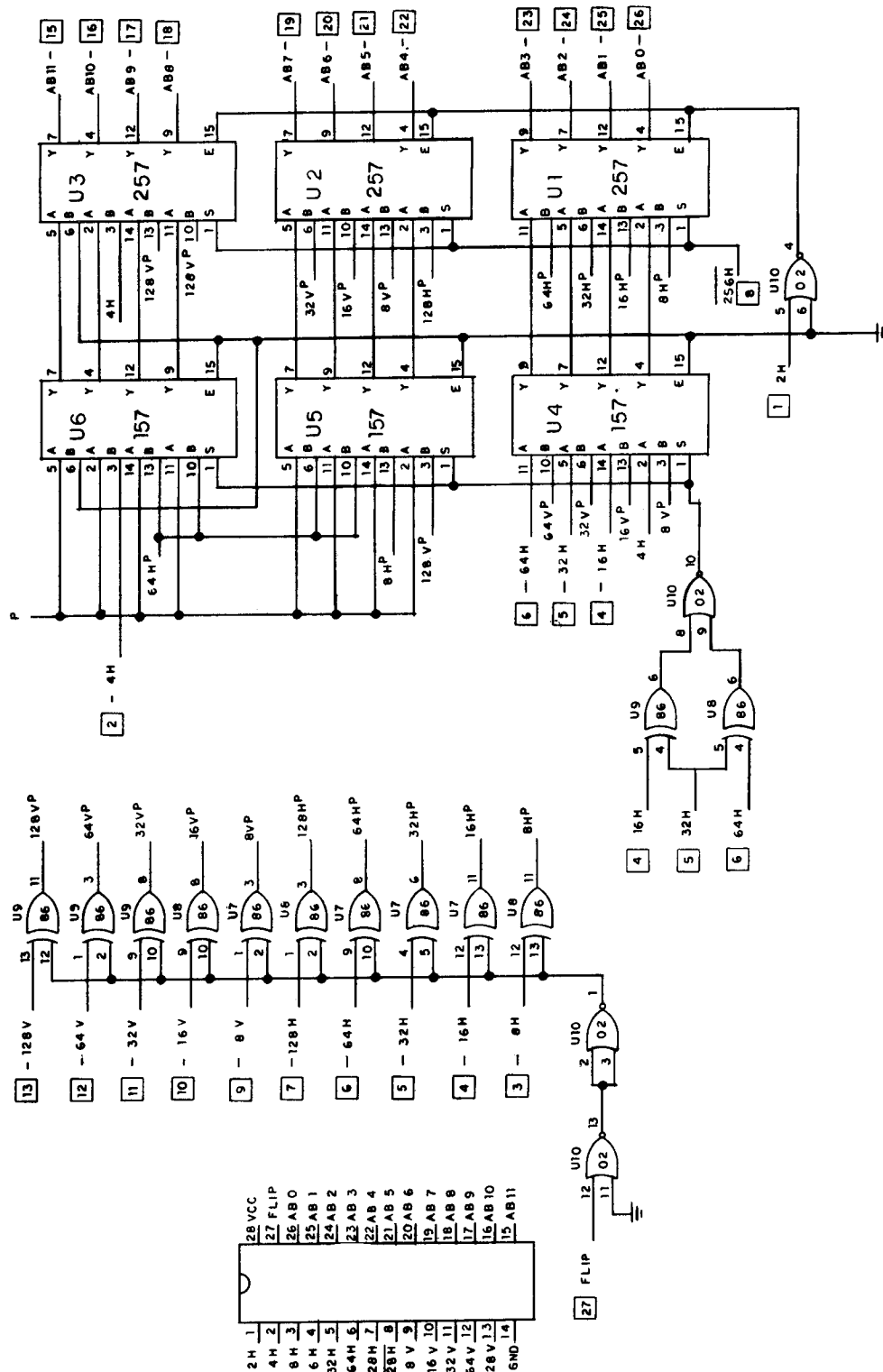
DESC.

Z 80 SYNC BUS CONTROLLER (285)

PART NO.

AO82-91383-B000

SCHEMATIC PART NO. M051-00932-B030



□ = 28 PIN CONNECTOR
P = PULL UP

MIDWAY MFG. CO
FRANKLIN PARK ILL

DRN M.M. CMD
DATE NOV 25 80 NO. REQD 1
USED ON PAC-MAN
DESC.
V RAM ADDRESS INVC-284
PARTNO.
A082-91384-B000

SCHEMATIC PART NO. MOSI 00932 BO 32

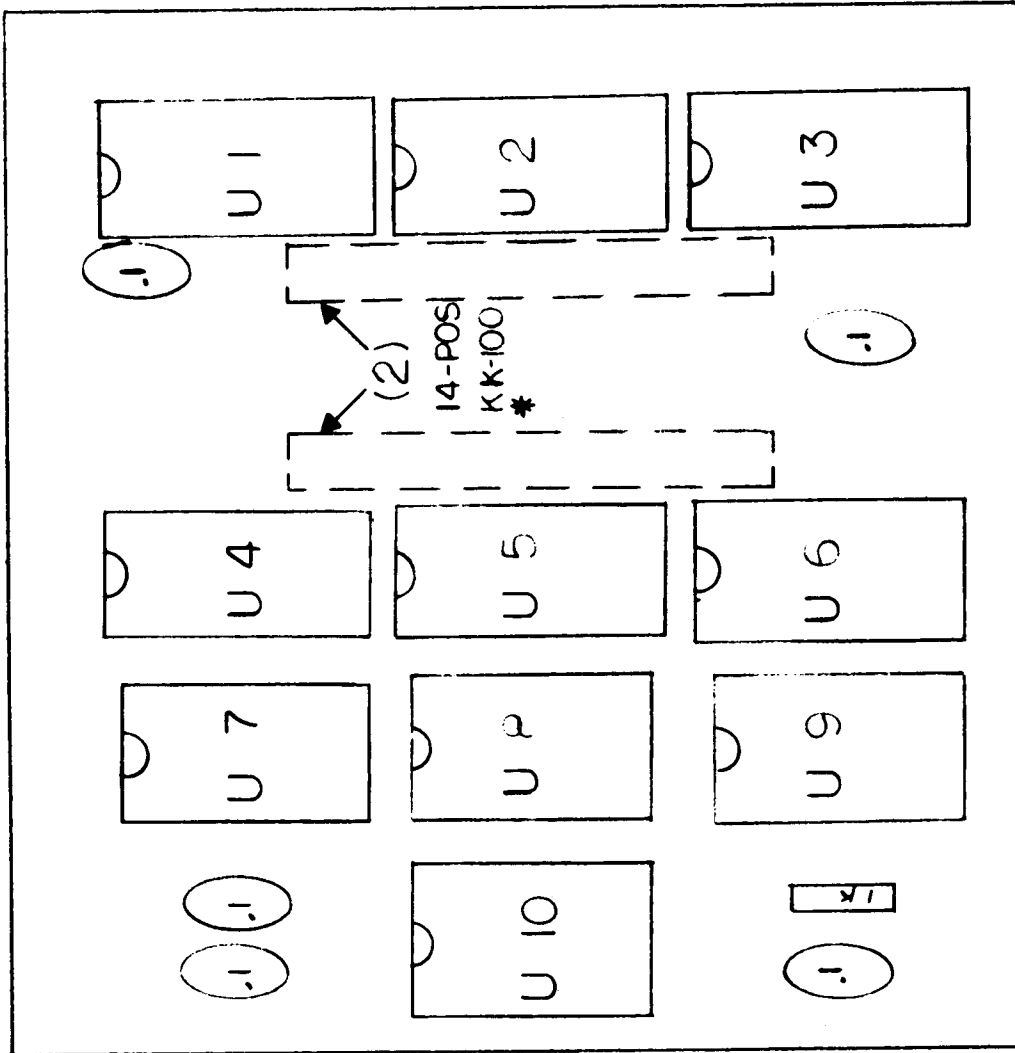
U1, U2, U3-74LS257
 U4, U5, U6, U7-74LS157
 U7, U8, U9, U10-74LS86
 U10 -74LS02

.1 MF 50V - (5)
 AX CER

1K $\frac{1}{4}$ W - (1)

(2) - 14 - POS. KK-100

* MOUNTED ON
 SOLDER SIDE



MO51-00932-B034

REVISIONS

MIDWAY MFG. CO.

FRANKLIN PK. ILL.

PART NO.

A082-91384-B000

USED ON PAC-MAN

NO. REQ'D 1-PER.

SCALE

V-RAM ADDRESSER (284)
 COMPONENT-LAY-OUT

HEAT TREAT

MAT'L.

FINISH

DO NOT SCALE DWG.

MM

DRN.

DIM. TOLERANCES
 UNLESS SPECIFIED

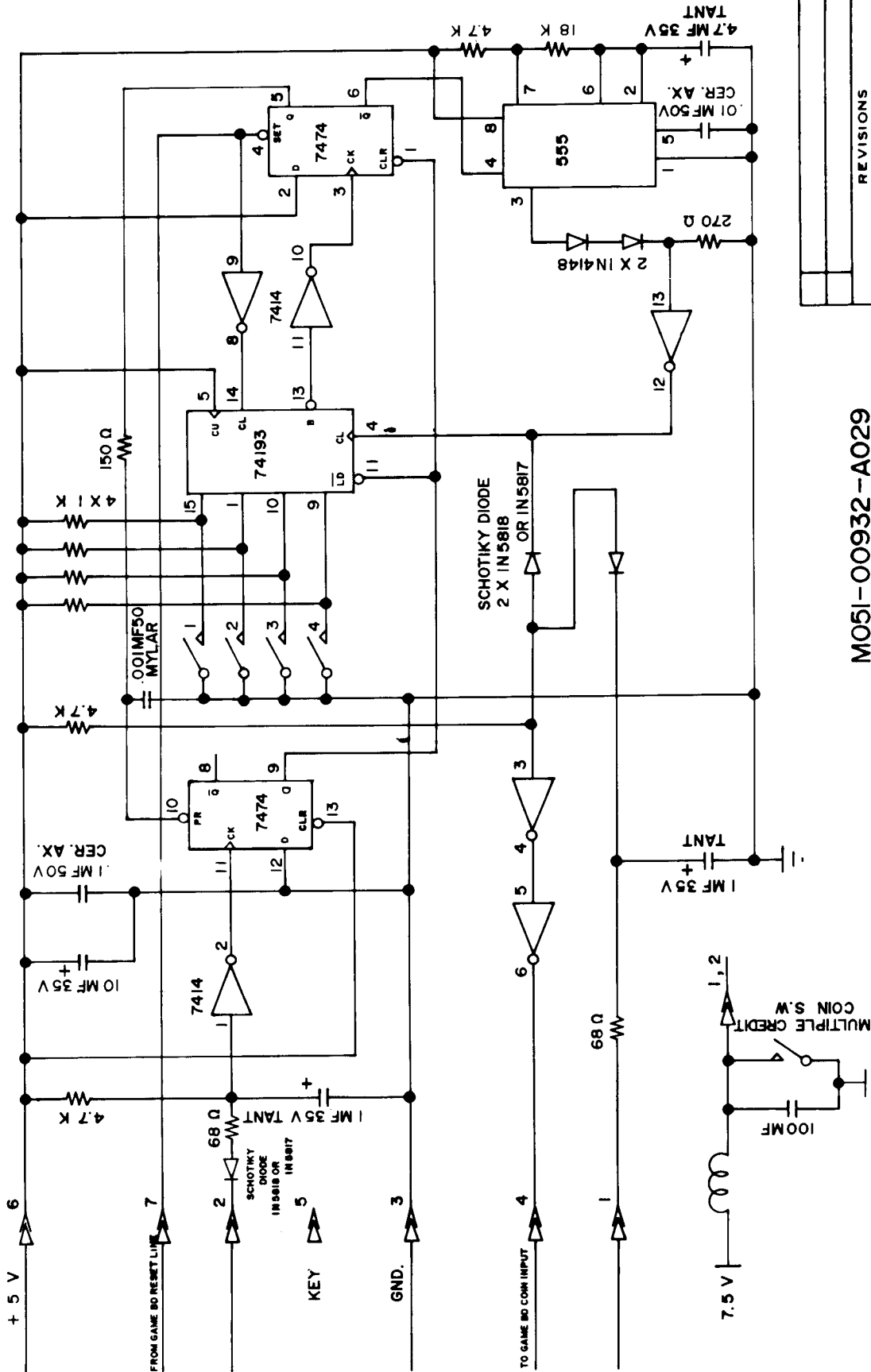
CONCENTRICITY T.I.R. .003

FRACTIONAL .001 1/64

DECIMAL .001

HOLE DIA. +.002-.000

DATE 10-27-80



MO51-00932-A029

REVISIONS

MIDWAY MFG. CO.

FRANKLIN PK. ILL.

PART NO.

A082 - 91348 - C000

USED ON PAC-MAN

NO REQ'D

SCALE

HEAT TREAT

DO NOT SCALE DWG.

SCHEMATIC DIAGRAM
CREDIT MULTIPLIER

DIM TOLERANCES
UNLESS SPECIFIED

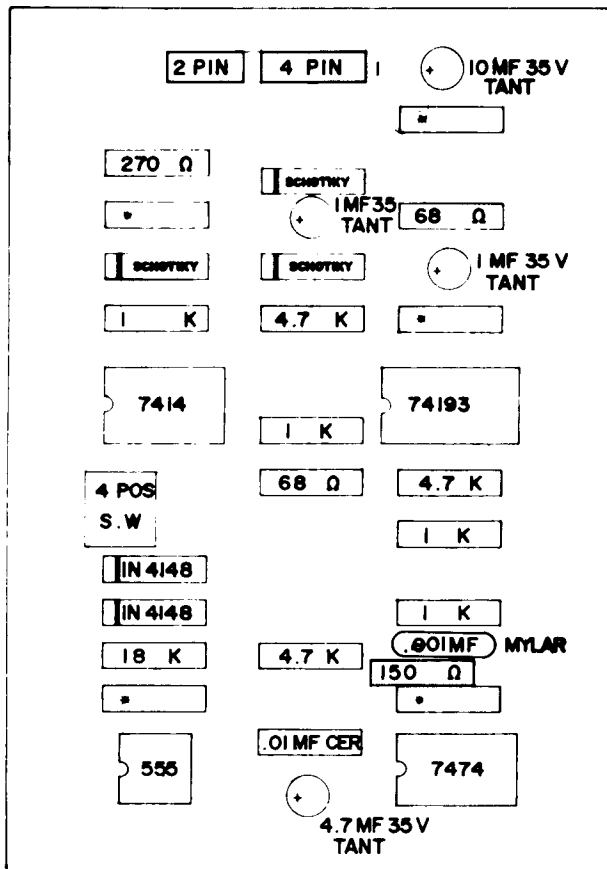
CONCENTRICITY 1/16

FRACTIONAL 1/16

DECIMAL 1/16

DATE 10/23/80

MOLE DIA + .002 - .005



● 1 MF 50 V. CER. AX.

SCHOTIKY DIODE - IN5818 OR IN5817

MO51-00932-A027

MIDWAY MFG. CO.

FRANKLIN PK ILL.

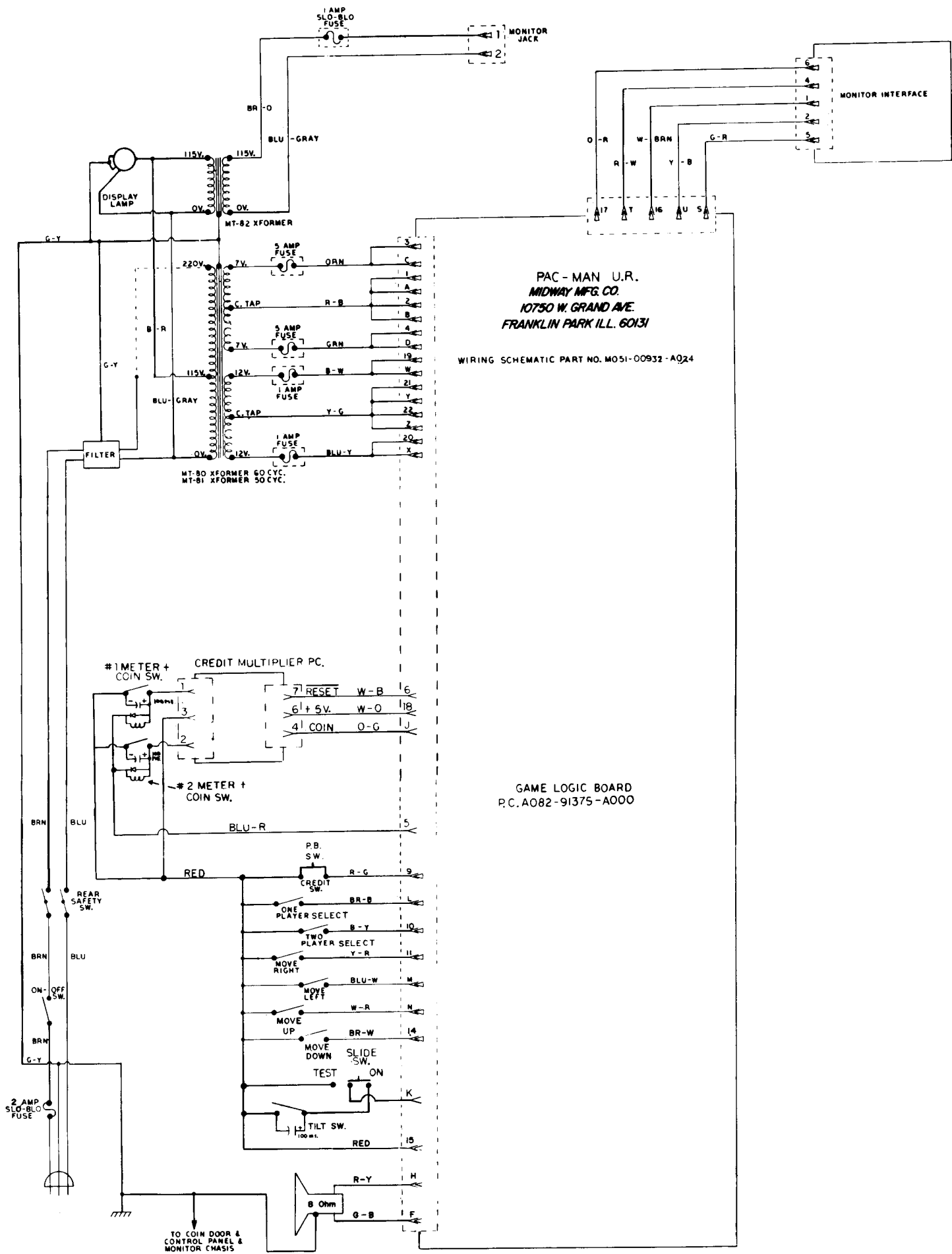
PART NO.

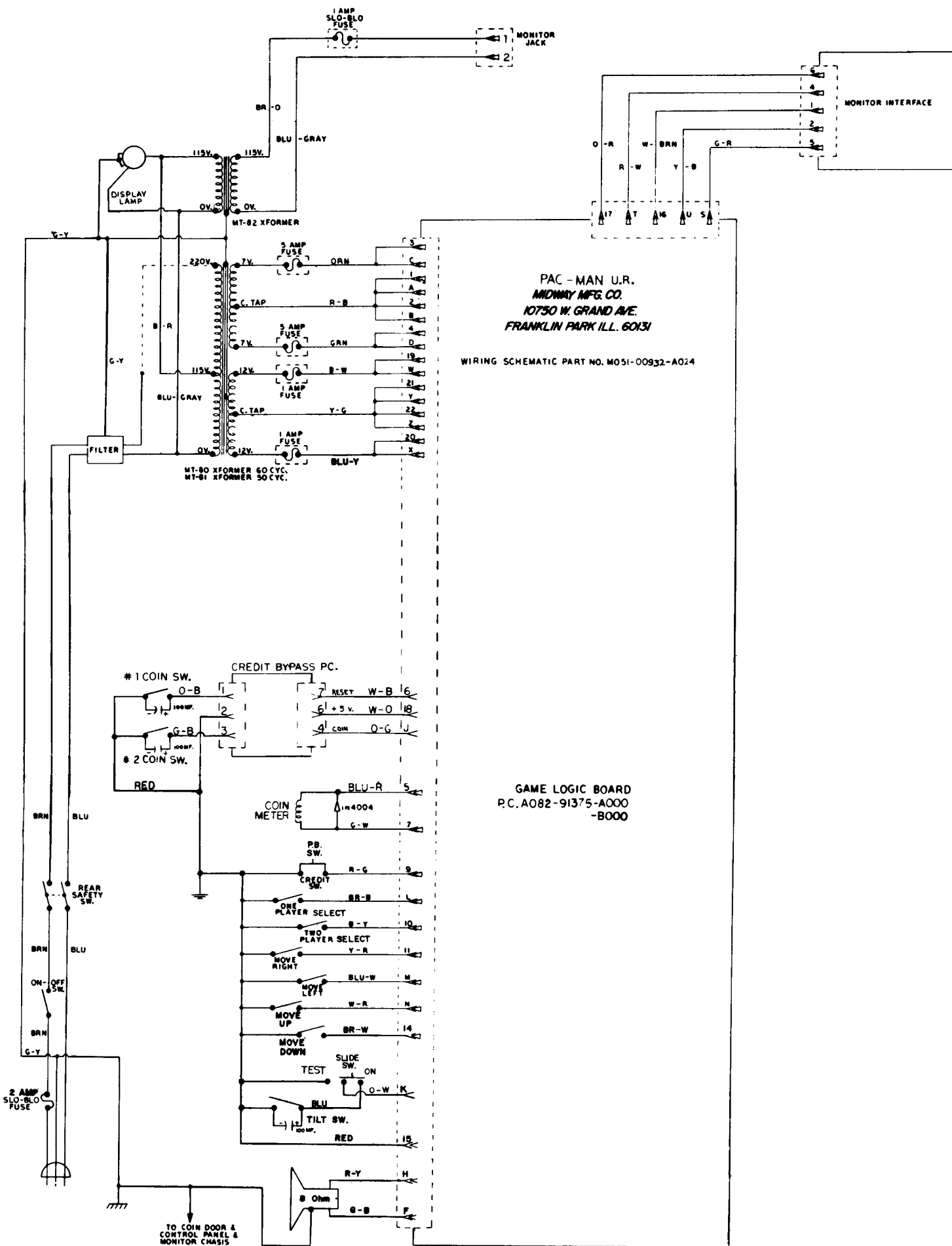
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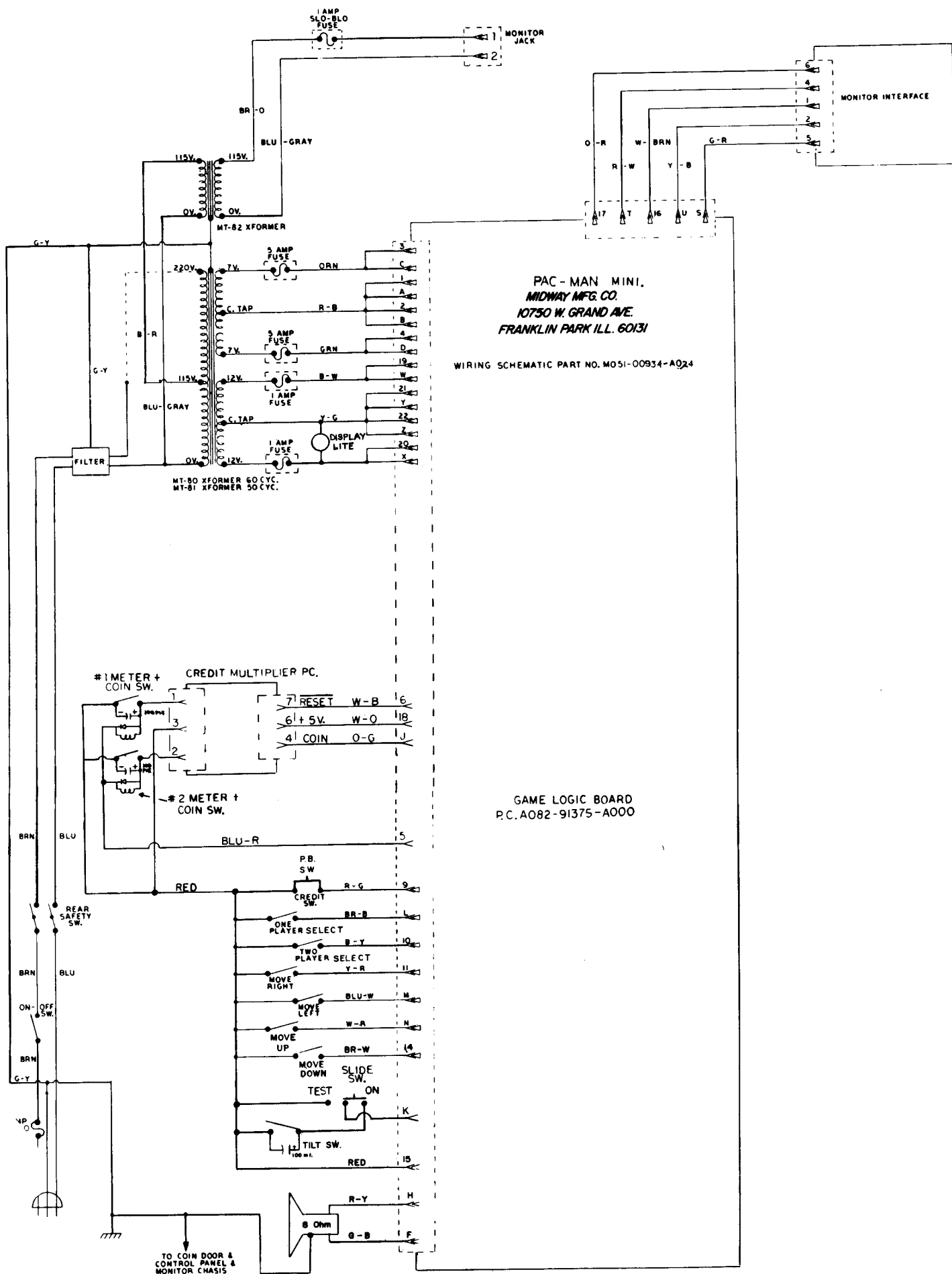
**ASSEMBLY DRAWING
CREDIT MULTIPLIER**

DIM. TOLERANCES UNLESS SPECIFIED	
CONCENTRICITY	TIR 003
FRACTIONAL	1/64
DECIMAL	003
HOLE DIA	+ 002 000

PAGE 41



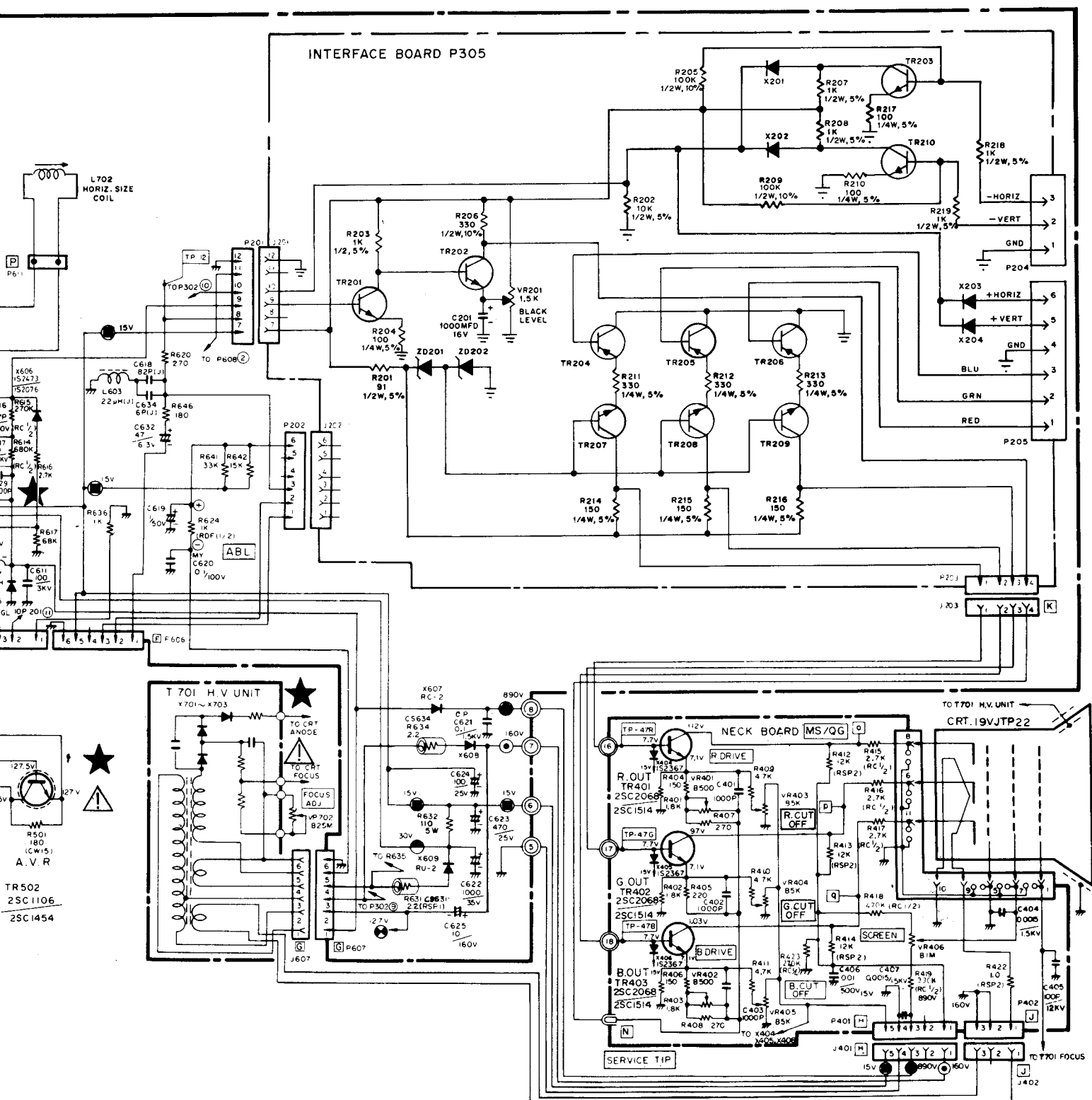








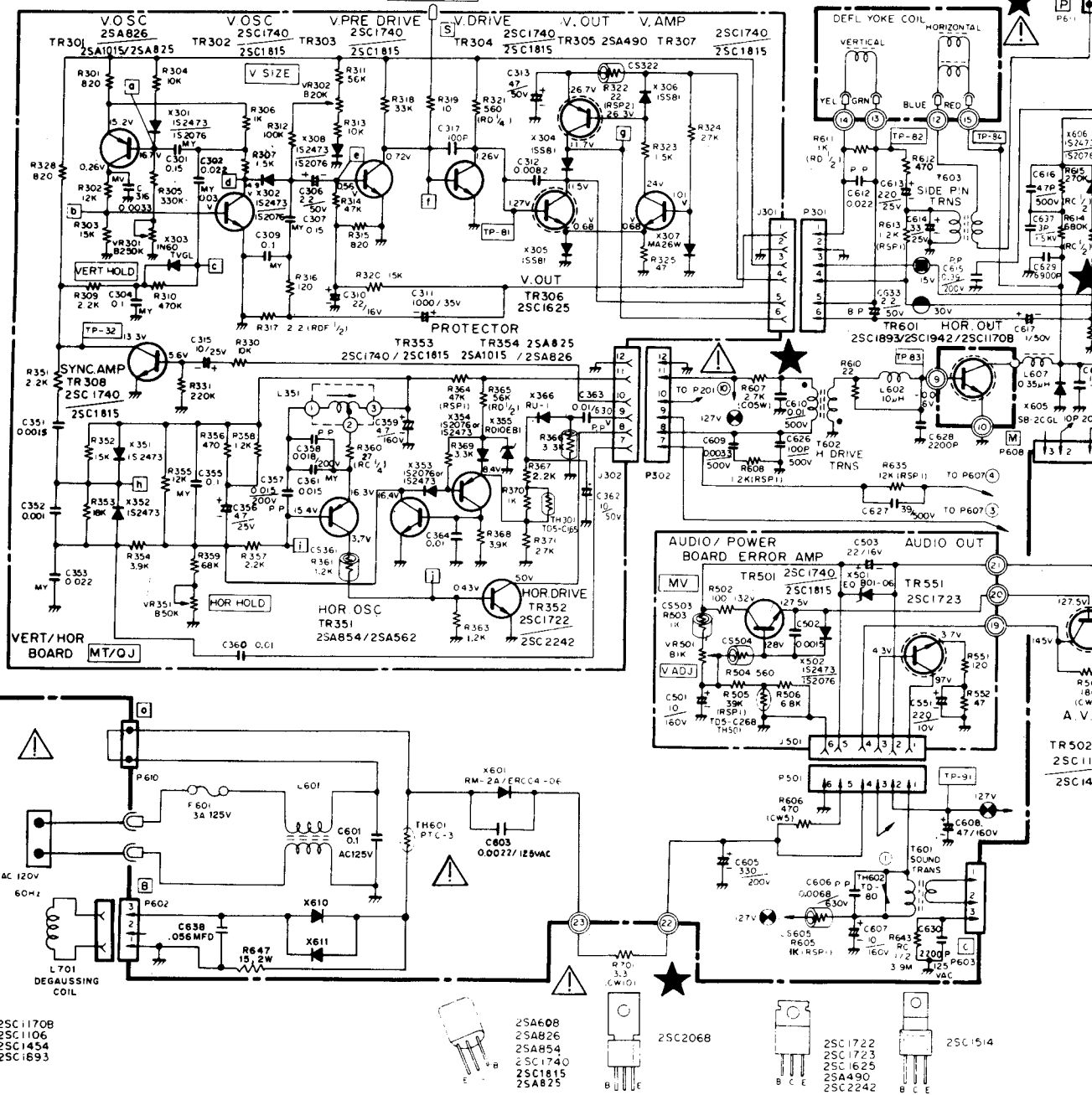
MONITOR SCHEMATIC DIAGRAM



K4606-5800

MAIN BOARD MQ-29

SERVICE TIP



VERT/HOR BOARD (MT/QJ)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RESISTORS			CAPACITORS (CONT.)		
R301	203X6500-628	820 Ohm, \pm 5%, 1/8W Carbon	C313	203X0025-087	47 uF, 50V Electrolytic
R302	203X6500-902	12k Ohm, \pm 5%, 1/8W Carbon	C315	203X0015-082	10 uF, 25V Electrolytic
R303	203X6500-927	15k Ohm, \pm 5%, 1/8W Carbon	C316	203X1100-220	3300 uF, 50V, \pm 10% Mylar
R304	203X6500-886	10k Ohm, \pm 5%, 1/8W Carbon	C317	202X8000-616	100 pF, 50V, \pm 10% Ceramic
R305	203X6501-241	330k Ohm, \pm 5%, 1/8W Carbon	C351	202X7000-281	1500 pF, 50V, \pm 10% Ceramic
R306	203X6500-645	1k Ohm, \pm 5%, 1/8W Carbon	C352	202X7000-247	1000 pF, 50V, \pm 10% Ceramic
R307	203X6500-689	1.5k Ohm, \pm 5%, 1/8W Carbon	C353	203X1100-573	0.022 uF, 50V, \pm 10% Mylar
R309	203X6500-724	2.2k Ohm, \pm 5%, 1/8W Carbon	C355	203X1100-858	0.1 uF, 50V, \pm 10% Mylar
R310	203X6501-285	470k Ohm, \pm 5%, 1/8W Carbon	C356	203X0015-105	4.7 uF, 25V Electrolytic
R311	203X6501-065	56k Ohm, \pm 5%, 1/8W Carbon	C357	203X1201-013	0.015uF, 200V \pm 10% PP
R312	203X6501-126	100k Ohm, \pm 5%, 1/8W Carbon	C358	203X1201-034	0.018 uF, 200V, \pm 10% PP
R313	203X6001-326	10k Ohm, \pm 5%, 1/8W Carbon	C359	203X0040-013	4.7 uF, 160V Electrolytic
R314	203X6501-044	47k Ohm, \pm 5%, 1/8W Carbon	C360	202X7000-482	0.01 uF, 50V, \pm 10% Ceramic
R315	203X6500-628	820 Ohm, \pm 5%, 1/8W Carbon	C361	203X1100-509	0.015 uF, 50V, \pm 10% Mylar
R316	203X6500-420	120 Ohm, \pm 5%, 1/8W Carbon	C362	203X0025-058	10 uF, 50V Electrolytic
R317	203X6206-441	2.2 Ohm, \pm 5%, 1/2W Carbon	C363	203X1205-487	0.01 uF, 630V, \pm 10% PP
R319	203X6500-169	100 Ohm, \pm 5%, 1/8W Carbon	C364	202X7000-482	0.01 uF, 50V, \pm 10% Ceramic
R320	203X6500-927	15k Ohm, \pm 5%, 1/8W Carbon			
R321	203X6700-509	560 Ohm, \pm 5%, 1/2W Carbon			
R322	203X9100-121	22 Ohm, \pm 5%, 2W M.O.			
R323	203X6500-689	1.5K Ohm, \pm 5%, 1/8W Carbon			
R324	203X6500-988	27k Ohm, \pm 5%, 1/8W Carbon	TR301	200X4082-614	Transistor, 2SA826Q
R325	203X6500-326	47 Ohm, \pm 5%, 1/8W Carbon	TR302	200X3174-006	Transistor, 2SC1740Q
R328	203X6500-628	820 Ohm, \pm 5%, 1/8W Carbon	TR303	200X3174-006	Transistor, 2SA1740Q
R330	203X6500-886	10k Ohm, \pm 5%, 1/8W Carbon	TR304	200X3174-006	Transistor, 2SC1740Q
R331	203X6501-209	220k Ohm, \pm 5%, 1/8W Carbon	TR305	200X4049-081	Transistor, 2SA490YLBGLI
R351	203X6500-724	2.2k Ohm, \pm 5%, 1/8W Carbon	TR306	200X3162-538	Transistor, 2SC1625YLBGLI
R352	203X6500-927	15k Ohm, \pm 5%, 1/8W Carbon	TR307	200X3174-014	Transistor, 2SC1740R
R353	203X6500-944	18k Ohm, \pm 5%, 1/8W Carbon	TR308	200X3174-006	Transistor, 2SC1740Q
R354	203X6500-783	3.9k Ohm, \pm 5%, 1/8W Carbon	TR351	200X4085-415	Transistor, 2SA854Q
R355	203X6500-902	12k Ohm, \pm 5%, 1/8W Carbon	TR352	200X3172-208	Transistor, 2SC1722BKS
R356	203X6500-561	470 Ohm, \pm 5%, 1/8W Carbon	TR353	200X3174-006	Transistor, 2SC1740Q
R357	203X6500-724	2.2k Ohm, \pm 5%, 1/8W Carbon	TR354	200X4082-614	Transistor, 2SA826Q
R358	203X6500-666	1.2k Ohm, \pm 5%, 1/8W Carbon	X301	201X2010-144	Diode, (SI) IS2473-T72
R359	203X6501-088	68k Ohm, \pm 5%, 1/8W Carbon	X302	201X2010-144	Diode, (SI) IS2473-T72
R360	203X5500-471	27 Ohm, \pm 5%, 1/4W Comp.	X303	200X8000-026	Diode, (GE), IN60TVGL
R361	203X6000-998	1.2k Ohm, \pm 5%, 1/8W Carbon	X304	200X8010-165	Diode (SI) ISS81
R363	203X6500-666	1.2k Ohm, \pm 5%, 1/8W Carbon	X305	201X2010-165	Diode (SI) ISS81
R364	203X9014-988	47k Ohm, \pm 5%, 1W M.O.	X306	201X2010-165	Diode (SI) ISS81
R365	203X6700-989	56k Ohm, \pm 5%, 1/2W Carbon	X307	200X8010-102	Diode (SI) MA26W
R366	203X6001-148	3.3k Ohm, \pm 5%, 1/8W Carbon	X308	200X8010-094	Diode (SI) IS2473
R367	340X2222-734	2.2k Ohm, \pm 5%, 1/2W Carbon	X351	201X2010-144	Diode (SI) IS2473-T72
R368	203X6500-785	3.9k Ohm, \pm 5%, 1/8W Carbon	X352	201X2010-144	Diode (SI) IS2473-T72
R369	203X6500-762	3.3k Ohm, \pm 5%, 1/4W Carbon	X353	201X2010-144	Diode (SI) IS2473-T72
R370	302X6100-961	1k Ohm, \pm 5%, 1/4W Carbon	X354	201X2010-144	Diode (SI) IS2473-T72
R371	203X6104-751	2.7k Ohm, \pm 5%, 1/4W Carbon	X355	200X8220-851	Diode (Zener) RD10EBI
VR301	204X2122-093	Varistor, 250K Ohm, Vert. Hold	X366	200X8100-130	Diode (HS) RU-1 0.3 US
VR302	204X2114-065	Varistor, 20K Ohm, Vert. Size			
VR351	204X2114-059	Varistor, 50K Ohm, Hor. Hold			
CAPACITORS			MISCELLANEOUS		
C301	203X1100-928	0.15 uF, 50V, \pm 10% Mylar	J301	204X9300-958	Socket, 6 Pin
C302	203X1100-573	0.022 uF, 50V, \pm 10% Mylar	J302	204X9300-958	Socket, 6 Pin
C304	203X1100-858	0.1 uF, 50V, \pm 10% Mylar	P301	204X9601-195	Plug, 6 Pin
C306	203X0025-026	2.2 uF, 50V, Electrolytic	P302	204X9601-195	Plug, 6 Pin
C307	203X1100-928	0.15 uF, 50V, \pm 10% Mylar	TH301	201X0000-534	Thermistor
C309	203X1100-858	0.1 uF, 50V, \pm 10% Mylar			
C310	203X0010-011	22 uF, 16V Electrolytic			
C311	203X0020-099	1000 uF, 35V Electrolytic			
C312	202X7000-469	0.0082 uF, 50V, \pm 10% Ceramic			
POWER BOARD (MV)			TRANSFORMERS & COILS		
RESISTORS			L351	201X5200-091	Coil, Horiz. Osc.
R501	204X1725-052	180 Ohm, \pm 10%, 15W WW			
R502	203X6000-608	100 Ohm, \pm 5%, 1/8W Carbon			
R503	203X6000-960	1k Ohm, \pm 5%, 1/8W Carbon			
R504	203X6000-879	560 Ohm, \pm 5%, 1/8W Carbon			
R505	203X9014-965	39k Ohm, \pm 5%, 1W M.O.			
R506	203X6500-842	6.8k Ohm, \pm 5%, 1/8W Carbon			
R551	203X6500-420	120 Ohm, \pm 5%, 1/8W Carbon			
VR501	204X2050-001	Varistor Vert. Adj.			
CAPACITORS			MISCELLANEOUS		
C501	203X0040-020	10 uF, 160V Electrolytic	J501	204X9300-958	Socket, 6 Pin
C502	202X7000-281	1500 pF, 50V, \pm 10% Ceramic	P501	204X9601-195	Plug, 6 Pin
			TH501	201X0000-618	Thermistor

POWER BOARD (MV)

RESISTORS

R501	204X1725-052	180 Ohm, \pm 10%, 15W WW
R502	203X6000-608	100 Ohm, \pm 5%, 1/8W Carbon
R503	203X6000-960	1k Ohm, \pm 5%, 1/8W Carbon
R504	203X6000-879	560 Ohm, \pm 5%, 1/8W Carbon
R505	203X9014-965	39k Ohm, \pm 5%, 1W M.O.
R506	203X6500-842	6.8k Ohm, \pm 5%, 1/8W Carbon
R551	203X6500-420	120 Ohm, \pm 5%, 1/8W Carbon
VR501	204X2050-001	Varistor Vert. Adj.

CAPACITORS

C501	203X0040-020	10 uF, 160V Electrolytic
C502	202X7000-281	1500 pF, 50V, \pm 10% Ceramic

C503
C551

203X0010-011
203X0005-046

22 uF, 16V Electrolytic
220 uF, 10V Electrolytic

SEMICONDUCTORS

TR501
★TR502
TR551
X501
X502

200X3174-006
200X3145-404
200X3172-305
201X2230-042
201X2010-144

Transistor, 2SC1740Q
Transistor, 2SC1454
Transistor, 2SC1723
Diode, (SI) Zener EQB01-06V
Diode, (SI) IS2473-T72

NECK BOARD (MS/QG)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RESISTORS					
R401	203X6500-709	1.8k Ohm ± 5% 1/8W Carbon	C403	202X7000-247	1000 pF, 50V, 10% Ceramic
R402	203X6500-709	1.8k Ohm ± 5% 1/8W Carbon	C404	202X7110-019	1500 pF, 2kV ± 10% Ceramic
R403	203X6500-709	1.8k Ohm ± 5% 1/8W Carbon	C405	202X7150-018	100 pF, 12kV, ± 10% Ceramic
R404	203X6500-447	150 Ohm ± 5% 1/8W Carbon	C406	202X7050-483	.01 uF, 500V, ± 10% Ceramic
R405	203X6500-481	220 Ohm ± 5% 1/8W Carbon	C407	202X7110-019	1500 pF, 2kV ± 10% Ceramic
R406	203X6500-447	150 Ohm ± 5% 1/8W Carbon	C408	202X8000-550	68 pF, 50V, ± 10% Ceramic
R407	203X6500-508	270 Ohm ± 5% 1/8W Carbon	C409	202X8000-550	68 pF, 50V, ± 10% Ceramic
R408	203X6500-508	270 Ohm ± 5% 1/8W Carbon	C410	202X8000-550	68 pF, 50V, ± 10% Ceramic
R409	203X6500-800	4.7k Ohm ± 5% 1/8W Carbon	SEMICONDUCTORS		
R410	203X6500-800	4.7k Ohm ± 5% 1/8W Carbon	TR401	200X3206-800	Transistor, 2SC2068, 2SC1514 (R output)
R411	203X6500-800	4.7k Ohm ± 5% 1/8W Carbon		200X3206-800	Transistor, 2SC2068, 2SC1514 (G output)
R412	203X9104-809	12k Ohm ± 5% 2.0W Metal Oxide		200X3206-800	Transistor, 2SC2068, 2SC1514 (B output)
R413	203X9104-809	12k Ohm ± 5% 2.0W Metal Oxide	TR402	200X3206-800	Diode, IS2367 (protector)
R414	203X9104-809	12k Ohm ± 5% 2.0W Metal Oxide			
R415	203X5601-313	2.7k Ohm ± 10% 1/2W Comp.			
R416	203X5601-313	2.7k Ohm ± 10% 1/2W Comp.	TR403	200X3206-800	Diode, IS2367 (protector)
R417	203X5601-313	2.7k Ohm ± 10% 1/2W Comp.			
R418	203X5602-254	470k Ohm ± 10% 1/2W Comp.			
R419	203X5602-185	330k Ohm ± 10% 1/2W Comp.	X404	201X2100-126	Diode, IS2367 (protector)
R422	203X9105-117	1.0 Ohm ± 10% 2W Metal Oxide			
R423	203X5102-155	270k Ohm ± 5% 1/4W Carbon			
VR401	204X2115-014	500 Ohm Varistor R Drive	X405	201X2100-126	Diode, IS2367 (protector)
VR402	204X2115-014	500 Ohm Varistor B Drive	X406	201X2100-126	
VR403	204X2115-006	5k Ohm Varistor R Cutoff	MISCELLANEOUS		
VR404	204X2115-006	5k Ohm Varistor G Cutoff	J401 206X5003-729 Socket, 5 Pin		
VR405	204X2115-006	5k Ohm Varistor B Cutoff	J402 206X5003-983 Socket, 3 Pin		
VR406	204X2000-025	1M Ohm Varistor Screen	P401 204X9600-329 Plug, 5 Pin		
CAPACITORS					
C401	202X7000-247	1000 pF, 50V, 10% Ceramic	P402 204X9600-254 Plug, 3 Pin		
C402	202X7000-247	1000 pF, 50V, 10% Ceramic	C401 202X7000-247 1000 pF, 50V, 10% Ceramic		

★ 297X2000-072 HIGH VOLTAGE ASSEMBLY (T701)

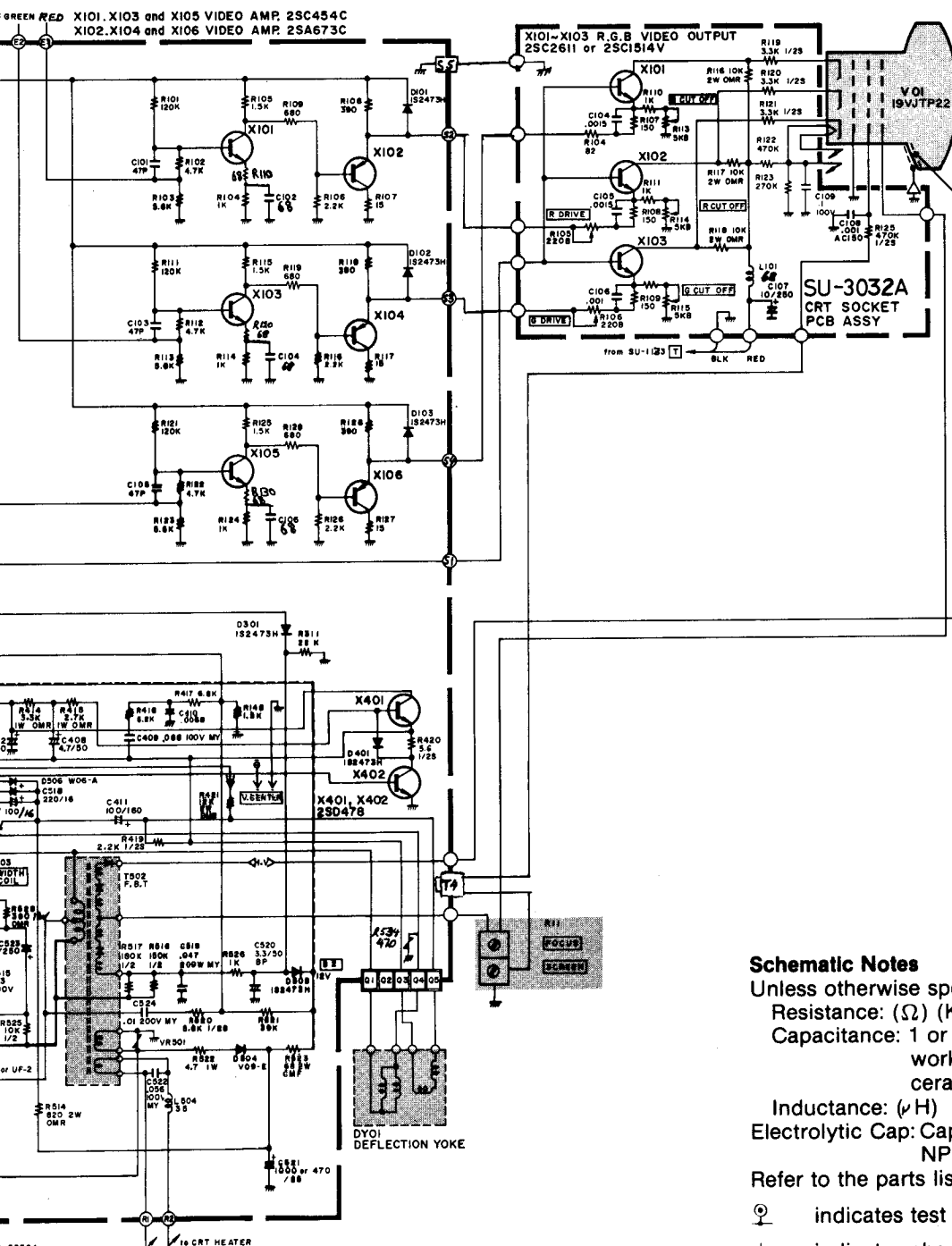
★ R701	204X1625-058	3.3 Ohm, \pm 10% 10W WW Resistor	} Part of T701
VR702	204X3901-125	Focus Control	
X701		Diode (SI HV)	
X702		Diode (SI HV)	
X703		Diode (SI HV)	

FINAL ASSEMBLY PARTS

★ 88X-0129-506	19VJTP22 Pix Tube
38A5554-000	Assy. Purity Shld/Degaussing
205X9800-256	Lateral/Purity Assembly
★ 202X1110-810	Yoke, Deflection
208X2000-946	CRT Socket
297X2000-072	HV Unit (T701)
6A0397	Plug, Line Cord
9A2753-003	Degaussing Coil (L701)

INTERFACE BOARD (P305) (MODEL 19K4606)

RESISTORS			SEMICONDUCTORS		
R201	340X3910-934	91 Ohm, 5%, 1/2W Carbon	TR201	86X0121-001	Transistor (NPN)
R203	340X3102-934	1k Ohm, 5%, 1/2W Carbon	TR202	86X0121-001	Transistor (NPN)
R204	340X2101-934	100 Ohm, 5%, 1/4W Carbon	TR203	86X0121-001	Transistor (NPN)
R206	340X3331-944	330 Ohm, 10%, 1/2W Carbon	TR204	86X0066-001	Transistor (PNP)
R207	340X3102-934	1k Ohm, 5%, 1/2W Carbon	TR205	86X0066-001	Transistor (PNP)
R208	340X2152-934	1.5k Ohm, 5%, 1/4W Carbon	TR206	86X0066-001	Transistor (PNP)
R209	340X2101-934	100 Ohm, 5%, 1/4W Carbon	TR207	86X0121-001	Transistor (NPN)
R210	340X3102-934	1k Ohm, 5%, 1/2W Carbon	TR208	86X0121-001	Transistor (NPN)
R211	340X2331-934	330 Ohm, 5%, 1/4W Carbon	TR209	86X0121-001	Transistor (NPN)
R212	340X2331-934	330 Ohm, 5%, 1/4W Carbon	ZD201	66X0040-018	Diode, Zener, 6.8v, 5%, 0.5W
R213	340X2331-934	330 Ohm, 5%, 1/4W Carbon	ZD202	66X0040-019	Diode, Zener, 3.9v, 5%, 0.5W
R214	340X2201-934	200 Ohm, 5%, 1/4W Carbon	MISCELLANEOUS		
R215	340X2201-934	200 Ohm, 5%, 1/4W Carbon	J201	204X9300-958	Socket, 6 Pin
R216	340X2201-934	200 Ohm, 5%, 1/4W Carbon	J202	204X9300-958	Socket, 6 Pin
VR201	40X0590-017	1.5k Ohm, Black Level Control	J203	206X5019-207	Socket, 4 Pin
CAPACITORS			P201	204X9601-195	Plug, 6 Pin
C201	45X0524-038	1000 uF, 16V Electrolytic	P202	204X9601-195	Plug, 6 Pin
			P203	204X9600-845	Plug, 4 Pin
			P205	6A0393-006	Plug, 6 Pin



Schematic Notes

Unless otherwise specified

Resistance: (Ω) (K \rightarrow K Ω , M \rightarrow M Ω), 1/4 (W) carbon resistor

Capacitance: 1 or higher \rightarrow (pF), less than 1 \rightarrow (μ F)

working voltage \rightarrow 50 (V)

ceramic capacitor

Inductance: (μ H)

Electrolytic Cap: Capacitance Value (μ F)/working voltage (V).

NP \rightarrow non-polar (or bipolar) electrolytic cap.

Refer to the parts list for additional component information.

\odot indicates test point connection

--- indicates chassis ground unless otherwise specified

Hz indicates cycles per second

For **safety** purposes (and continuing reliability)

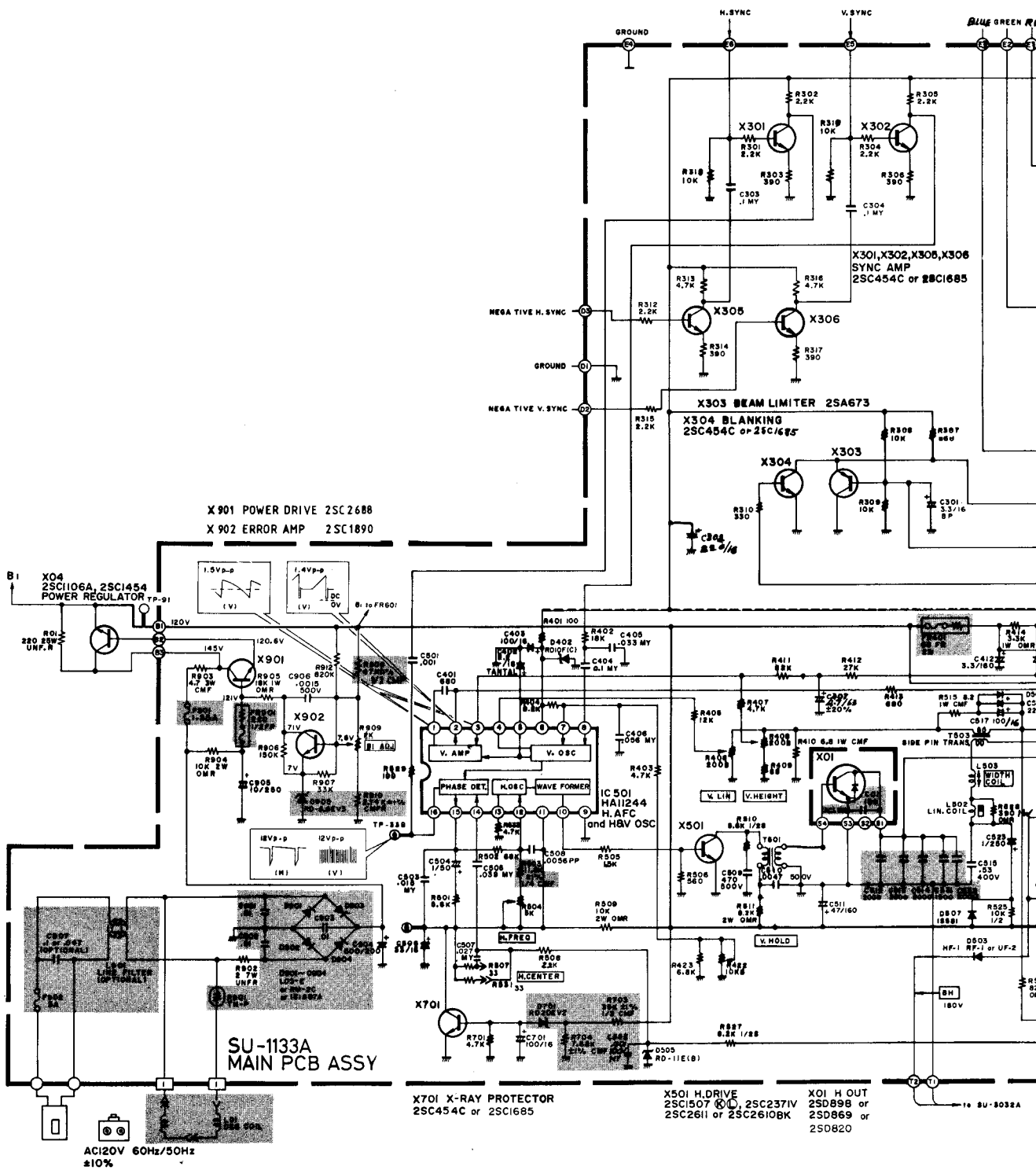
\triangle replace all components marked with safety symbol with identical type.

NOTE: FR \rightarrow fusible resistor (---)

Parts identification on circuit boards:

e.g. SU1126A (R107 = R1107)

SU3030A (R113 = R3113)



X901 POWER DRIVE 2SC2688
X902 ERROR AMP 2SC1890

X04
2SC106A, 2SC1454
POWER REGULATOR TP-91

X301, X302, X305, X306
SYNC AMP
2SC454C or 2SC1685

X303 BEAM LIMITER 2SA673
X304 BLANKING
2SC454C or 2SC1685

X701 X-RAY PROTECTOR
2SC454C or 2SC1685

X501 H-DRIVE
2SC1507 or 2SC237IV
2SC2611 or 2SC2610BK

X01 H-OUT
2SD898 or
2SD869 or
2SD820

SU-1133A
MAIN PCB ASSY

AC120V 60Hz/50Hz
±10%

REPLACEMENT PARTS LIST - ELECTROHOME 19" MONITOR

Components identified by the Δ symbol in the PARTS LIST and on the Schematic have special characteristics important to safety.

DO NOT degrade the safety of the set through improper servicing.

Abbreviations for Resistors and Capacitors

Resistor

C R	: Carbon Resistor
Comp. R	: Composition Resistor
OM R	: Oxide Metal Film Resistor
V R	: Variable Resistor
MF R	: Metal Film Resistor
CMF R	: Coating Metal Film Resistor
UNF R	: Nonflammable Resistor
F R	: Fusible Resistor

Capacitor

C Cap.	: Ceramic Capacitor
M Cap	: Mylar Capacitor
E Cap.	: Electrolytic Capacitor
BP E Cap.	: Bi-Polar (or Non-Polar) Electrolytic Capacitor
MM Cap.	: Metalized Mylar Capacitor
PP Cap.	: Polypropylene Capacitor
MPP Cap.	: Metalized PP Capacitor
PS Cap	: Polystyrol Capacitor
Tan. Cap.	: Tantal Capacitor

NOTE: When ordering replacement parts please specify the part number as shown in this list including part name, and model number. Complete information will help expedite the order.

Use of substitute replacement parts which do not have the same safety characteristics as specified, may create shock, fire or other hazards. For maximum reliability and performance, all parts should be replaced by those having identical specifications.

SERVICE REPLACEMENT PARTS LIST

Symbol	Description	Part Number
	Main P.C.B. Ass'y	SU-1133A
	CRT Socket P.C.B. Ass'y	SU-3032A
	Purity Shield Ass'y	07-220083-03

Outside of the P.C.B. Ass'y

Symbol	Description	Part Number
	Picture Tube 19"	17-7198-03
△	△Deflection Yoke	A29779-D = 21-141-01
	PC Magnet	A75034-B = 29-32-01
△	△Flyback Transf.	A29951-B
△	△HVR	A46600-A
R05	UNF Resistor 220Ω,25W K	QRF258K-221
C04	C Capacitor 150pF, AC1.5KV	QCZ0101-005
X01	Si. Transistor	2SD870
X02	Si. Transistor	2SC1106A
SC	Screw #8- ³ / ₈	31-610818-06
SC	Screw ¼ x ¾ Pix Tube Mtg. (4)	31-601418-12
WA	Pyramidal Lock Washer (4)	33-255-01
	Nut Retainer, Pix Tube Mtg. (4)	33-494-01
	Clip — P.C.B. Support	33-629-02
	Standoff	33-670-010R-02
	Wire Terminal (Gnd. Strap)	34-228-03
	Terminal Lug (Gnd.)	34-33-04
	Groundstrap Assy.	34-574-02
	Grounding Spring	35-212-03
	Wire Hook (Gnd. Strap)	35-3053-02
	Purity Shield Holddown Clamp	35-2348-01
	Support Brkt. RH	35-3890-01
	Support Brkt. LH	35-3890-02
	Chassis Base	38-449-02
	Yoke Wedge (3)	39-1233-01

Purity Shield Ass'y. Parts List

Symbol	Description	Part Number
	Degaussing Coil	21-1007-30
D911, D912	Rectifier 1 Amp 600V (2)	28-22-27
	Pin Terminal (2)	34-708-01
	Pin Terminal Housing	34-709-01
	Purity Shield (2 pcs.)	35-3847-01
	Purity Shield (2 pcs.)	35-3847-02
C911	Capacitor 100nF 10% 400V	48-171544-62
R921	Resistor, Wirewound 33Ω, 4W	42-113301-03
	Fire Retardent Term. Strip 4 Lug	34-492-09

CRT Socket P.C.B. Ass'y (SU-3032A) Parts List**Resistors**

Symbol	Description	Part Number
R3105	V R 200	QVZ3234-022
R3106	V R 200	QVZ3234-022
R3113	V R 5K	QVZ3234-053
R3114	V R 5K	QVZ3234-053
R3115	V R 5K	QVZ3234-053
R3116	OM R 10KΩ2W J	QRG029J-103
R3117	OM R 10KΩ2W J	QRG029J-103
R3118	OM R 10KΩ2W J	QRG029J-103
R3119	Comp. R 3.3KΩ½W K	QRZ0039-332
R3120	Comp. R 3.3KΩ½W K	QRZ0039-332
C3121	Comp. R 3.3KΩ½W K	QRZ0039-332

Capacitors

Symbol	Description	Part Number
C3107	E Cap. 10uF 250V A	QEW53EA-106
C3108	C Cap. 1000pF DC1400V P	QCZ9001-102M

Coils

Symbol	Description	Part Number
L3101	Peaking Coil	QQL043K-101

Semiconductors

Symbol	Description	Part Number
X3101	Si. Transistor	2SC1514VC
X3102	Si. Transistor	2SC1514VC
X3103	Si. Transistor	2SC1514VC

Miscellaneous

Symbol	Description	Part Number
△	△CRT Socket	A76068

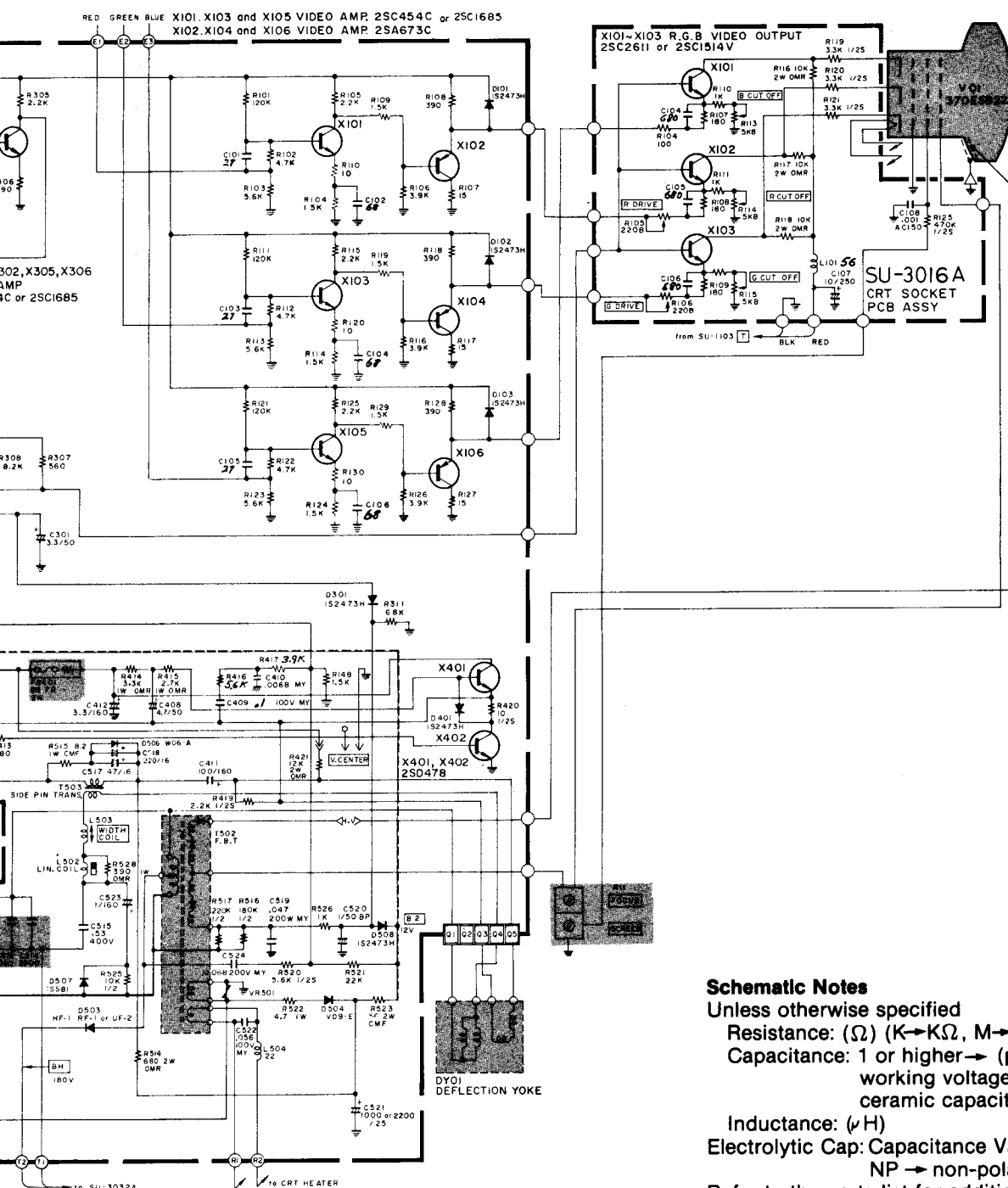
Main PCB Ass'y (SU-1133A) Parts List**Resistors**

Symbol	Description	Part Number
R1406	V R 200Ω	QVZ3230-002
R1408	V R 200Ω	QVZ3230-002
R1410	CMF R 6.8Ω1W J	QRX019J-6R8
R1414	OM R 3.3K Ω1W J	QRG019J-332
R1415	OM R 2.7K Ω1W J	QRG019J-272
R1421	OM R 12KΩ2W J	QRG026J-123Z
R1422	V R 10KΩ	QVZ3230-014
△FR1401	△F R 68Ω2W K	QRH024K-680M
△R1503	△CMF R 11.8KΩ¼W +1%	QRV142F-1182
R1504	V R 5KΩ	QVZ3230-053
R1509	OM R 10KΩ2W J	QRG026J-103Z
R1512	OM R 8.2KΩ2W J	QRG026J-822Z
R1514	OM R 820Ω2W J	QRG026J-821Z
R1515	CMF R 8.2Ω1W J	QRX019J-8R2
R1522	CMF R 4.7Ω1W J	QRX019J-4R7
R1523	OM R 68Ω2W J	QRG026J-680Z
R1528	OM R 390Ω1W J	QRG019J-391
R1534	ZN R	ERZ-C05ZK471
VR1501	ZN R	ERZ-C05DK271
△R1703	△CMF R 39Ω½W +1%	QRV122F-3902
△R1704	△CMF R 7.68KΩ¼W +1%	QRV142F-7681
△R1901	△Posistor	A75414
R1902	UNF R 2Ω7W K	QRF076K-2R0
R1903	CMF R 4.7Ω3W J	QRX039J-4R7
R1904	OM R 10KΩ2W J	QRG026J-103Z
R1905	OM R 18KΩ1W J	QRG019J-183
△Q1908	△CMF R 47Ω½W +1%	QRV122F-470Z
△R1909	V R 2KΩ	QVP5A0B-023E
R1910	△CMF R 2.74KΩ¼W +1%	QRV142F-2741
△FR1901	△F R 220Ω½W K	QRH124K-221M

Capacitors

Symbol	Description	Part Number
C1301	BPE Cap. 3.3uF 50V A	QEN61HA-335Z
C1402	Tan. Cap. 2.2uF 16V K	QEE51CK-225B
C1407	E Cap. 4.7uF 6.3V A	QEW51JA-475
C1411	E Cap. 100uF 160V A	QEW52CA-107
C1412	E Cap. 3.3uF 160V A	QEW52CA-335
C1508	PP Cap. 5600uF 50V J	QFP31HJ-562
△C1512	△PP Cap. 2000pF DC1500V J	QFZ0082-202
△C1513	△PP Cap. 2000pF DC1500V J	QFZ0082-202
△C1514	△PP Cap. 2000pF DC1500V J	QFZ0082-202
C1515	PP Cap. 0.53uF DC1200V J	QFZ0067-534
C1520	BPE Cap. 3.3uF 50V A	QEN61HA-335Z
C1523	E Cap. 1uF 160V A	QEW62CA-105Z
C1524	M Cap. 0.1uF 200V K	QFM720K-104M
△C1531	△PP Cap. 2000pF DC1500V J	QFZ0082-202
△C1532	△PP Cap. 1500pF DC1500V J	QFZ0082-152
C1904	E Cap.	QEY0034-001
C1905	E Cap. 10uF 250V A	QEW52EA-106

Coils		
Symbol	Description	Part Number
L1502	Linearity Coil	A39835
L1503	Width Coil	C30380-A
L1504	Heater Choke	C30445-A
Transformers		
Symbol	Description	Part Number
T1501	Hor. Drive Transf.	A46022-BM
T1503	Side Pin Transf.	C39050-A
Semiconductors		
Symbol	Description	Part Number
IC1501	IC	HA11244
X1101	Si. Transistor	2SC1685(R)
X1102	Si. Transistor	2SA673(C)
X1103	Si. Transistor	2SC1685(R)
X1104	Si. Transistor	2SA673(C)
X1105	Si. Transistor	2SC1685(R)
X1106	Si. Transistor	2SA673(C)
X1301	Si. Transistor	2SC1685(R)
X1302	Si. Transistor	2SC1685(R)
X1303	Si. Transistor	2SA673(C)
X1304	Si. Transistor	2SC1685(R)
X1305	Si. Transistor	2SC1685(R)
X1401	Si. Transistor	2SD478
X1402	Si. Transistor	2SD478
X1501	Si. Transistor	2SC2610BK
X1901	Si. Transistor	2SC2688 (K.L.M.)
X1902	Si. Transistor	2SC1890A (E.F.)
D1101	Si. Diode	W06A
D1102	Si. Diode	W06A
D1103	Si. Diode	W06A
D1301	Si. Diode	1SZ473H
D1401	Si. Diode	1SZ473H
D1402	Zener Diode	RD10F(C)
D1503	Si. Diode	HF-1
D1504	Si. Diode	V09E
D1505	Zener Diode	RD11E(B)
D1506	Si. Diode	W06A
D1507	Si. Diode	1SS81
D1508	Si. Diode	1SZ473H
△D1701	△Zener Diode	RD20EV2
△D1901	△Si. Diode	1S1887A
△D1902	△Si. Diode	1S1887A
△D1903	△Si. Diode	1S1887A
△D1904	△Si. Diode	1S1887A
△D1905	△Zener Diode	RD6.8EV3
Miscellaneous		
Symbol	Description	Part Number
△F1901	△Fuse 1.25A	QMF53U1-1R25S
△F1902	△UL Fuse 3A	QMF66U1-3R0S



Schematic Notes

Unless otherwise specified

Resistance: (Ω) ($K \rightarrow K\Omega$, $M \rightarrow M\Omega$), 1/4 (W) carbon resistor

Capacitance: 1 or higher \rightarrow (pF), less than 1 \rightarrow (μ F)

working voltage \rightarrow 50 (V)

ceramic capacitor

Inductance: (μ H)

Electrolytic Cap: Capacitance Value (μ F)/working voltage (V),

NP \rightarrow non-polar (or bipolar) electrolytic cap.

Refer to the parts list for additional component information.

\odot indicates test point connection

\perp indicates chassis ground unless otherwise specified

Hz indicates cycles per second

For safety purposes (and continuing reliability)

\triangle replace all components marked with safety symbol with identical type.

NOTE: FR \rightarrow fusible resistor ($\text{---}\text{FR}\text{---}$)

G07-FBO
00-4147-03

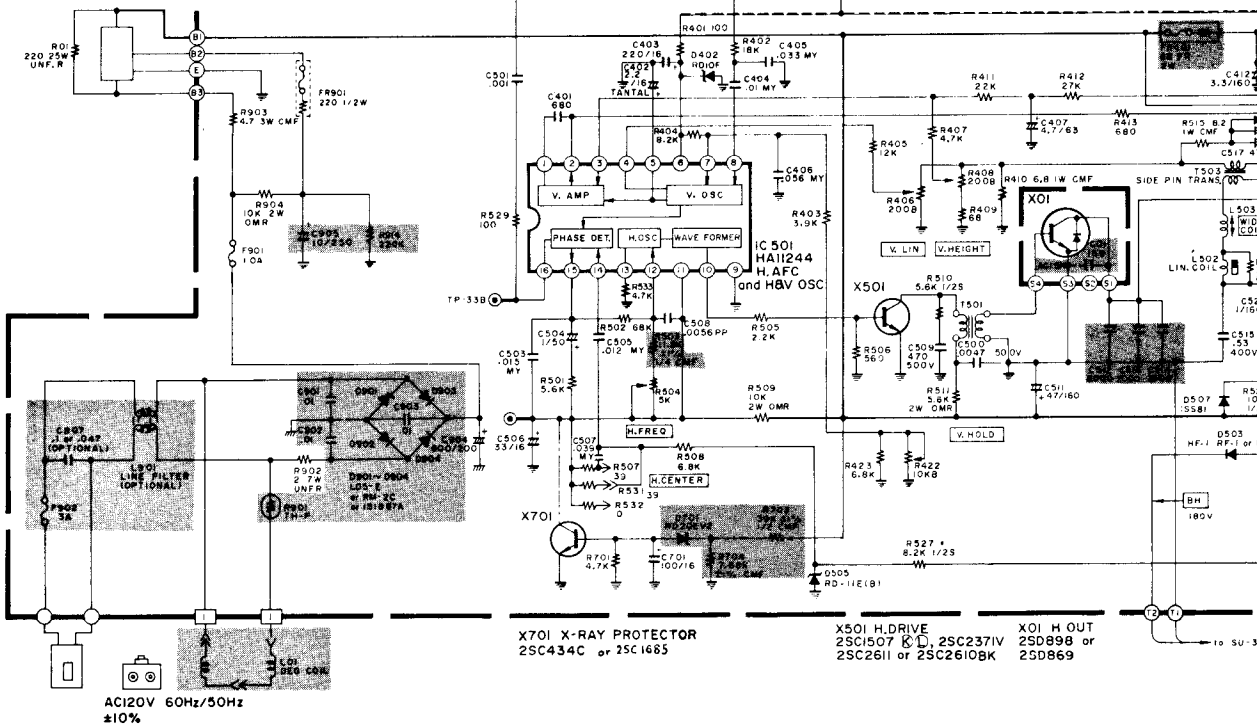
Parts identification on circuit boards:

e.g. SU1126A (R107 = R1107)

SU3030A (R113 = R3113)

IC01 POWER REGULATOR
STR383

SU-1103A MAIN PCB ASSY



REPLACEMENT PARTS LIST - ELECTROHOME 13" MONITOR

Components identified by the Δ symbol in the PARTS LIST and on the Schematic have special characteristics important to safety.

DO NOT degrade the safety of the set through improper servicing.

Abbreviations for Resistors and Capacitors

Resistor

C R	: Carbon Resistor
Comp. R	: Composition Resistor
OM R	: Oxide Metal Film Resistor
V R	: Variable Resistor
MF R	: Metal Film Resistor
CMF R	: Coating Metal Film Resistor
UNF R	: Nonflammable Resistor
F R	: Fusible Resistor

Capacitor

C Cap.	: Ceramic Capacitor
M Cap	: Mylar Capacitor
E Cap.	: Electrolytic Capacitor
BP E Cap.	: Bi-Polar (or Non-Polar) Electrolytic Capacitor
MM Cap.	: Metalized Mylar Capacitor
PP Cap.	: Polypropylene Capacitor
MPP Cap.	: Metalized PP Capacitor
PS Cap	: Polystyrol Capacitor
Tan. Cap.	: Tantal Capacitor

NOTE: When ordering replacement parts please specify the part number as shown in this list including part name, and model number. Complete information will help expedite the order.

Use of substitute replacement parts which do not have the same safety characteristics as specified, may create shock, fire or other hazards. For maximum reliability and performance, all parts should be replaced by those having identical specifications.

Symbol	Description	Part Number
	Main P.C.B. Ass'y	SU-1103A
	CRT Socket P.C.B. Ass'y	SU-3016A

Outside of the P.C.B. Ass'y

Symbol	Description	Part Number
Δ V01	Δ Picture Tube	370ESB22(E)
Δ DY01	Δ Deflection Yoke	C29123-V
	PC Magnet	A76366-A
	Wedge	C30006
	Δ Flyback Transf.	A19183-A
Δ R11	Δ Focus V R	A46606-A
Δ R05	UNF Resistor 220 Ω , 25W. K	QRF258K-221
Δ C04	Δ C Capacitor 150 pF, AC1.5KV	QCZ0101-005
X01	Si. Transistor	2SD869
IC01	IC Regulator	STR383
L01	Degaussing Coil	21-1007-31
	Degaussing Coil Pin Terminal (2)	34-708-01
	Degaussing Coil Pin Terminal Housing	34-709-01
	Groundstrap Ass'y.	34-697-04
	Groundstrap Wire Terminal	34-228-03
	Groundstrap Spring (2)	35-3560-01
BR	Support Bracket RH	35-3919-01
BR	Support Bracket LH	35-3919-02
SC	SCREW 10- $\frac{1}{2}$ Pix Tube Mtg. (4)	31-631018-08
WA	Pyramidal Lockwasher (4)	33-255-01
	Clip P.C.B. Support (2)	33-629-02
	Ground Lug	34-33-04
CH	Chassis Base	38-452-01

Main P.C.B. Ass'y (SU-1103A) Parts List

Resistors

Symbol	Description	Part Number
R1406	V R 200 Ω	QVZ3230-022
R1408	V R 200 Ω	QVZ3230-022
R1410	CMF R 6.8 Ω 1W J	QRX019J-6R8
R1414	OM R 3.3K Ω 1W J	QRG019J-332
R1415	OM R 2.7K Ω 1W J	QRG019J-272
R1421	OM R 12K Ω 2W J	QRG029J-123
R1422	V R 10K Ω	QVZ3224-014H
△FR1401	△F R 68 Ω 2W K	QRH024K-680M
△R1503	△CMF R 11.8K Ω 1/4W +1%	QVR142F-1182
R1504	V R 5K Ω	QVZ3230-053
R1509	OM R 10K Ω 2W J	QRG029J-103
R1511	OM R 5.6K Ω 2W J	QRG029J-562
R1514	OM R 680 Ω 2W J	QRG029J-681
R1515	CMF R 8.2 Ω 1W J	QRX019J-8R2
R1522	CMF R 4.7 Ω 1W J	QRX019J-4R7
R1523	OM R 56 Ω 2W J	ORG029J-560
R1528	OM R 390 Ω 1W J	ORG019J-391
R1534	ZN R	ERZ-C05ZK471
VR1501	ZN R	ERZ-C05DK271
△R1703	△CMF R 39K Ω 1/2W +1%	QVR122F-3902
△R1704	△CMF R 7.68K Ω 1/4W +1%	QVR142F-7681
△R1901	△Posistor	A75414
R1902	UNF R 2 Ω 7W K	QRF076K-2R0
R1903	CMF R 5.6 Ω 3W J	QRX039J-5R6
R1904	OM R 10K Ω 2W J	QRG026J-103Z
△FR1901	△F R 220 Ω 1/2W K	QRH124K-221M

Capacitors

Symbol	Description	Part Number
C1402	Tan. Cap. 2.2uF 16V K	QEE51CK-225B
C1411	E Cap. 100uF 160V A	QEW52CA-107
C1412	E Cap. 3.3uF 160V A	QEW52CA-335
C1508	PP Cap. 5600pF 50V J	QFP31HJ-562
C1511	E Cap. 47uF 160V A	QEW52CA-476S
△C1512	△PP Cap. 2000pF DC1500V J	QFZ0082-202
△C1513	△PP Cap. 2000pF DC1500V J	QFZ0082-202
△C1514	△PP Cap. 2500pF DC1500V J	QFZ0082-252
C1515	PP Cap. 0.53uF DC1200V K	QFZ0067-534
C1520	BPE Cap. 1uF 50V A	QEN61HA-105Z
C1524	M Cap. 0.1uF 200V K	QFM72DK-682M
C1904	E Cap.	QEY0034-001
C1905	E Cap. 10uF 250V A	QEW52EA-106
△C1907	△MM Cap. 0.1uF AC150V Z	QFZ9008-104

Coils

Symbol	Description	Part Number
L1501	Peaking Coil	A75360-6
L1502	Linarty Coil	A39934
L1503	Width Coil	C30380-A
L1504	Heater Choke	C30333-A
L1901	Line Filter	A39475-J

Transformers

Symbol	Description	Part Number
T1501	Hor. Drive Transf.	A46022-BM
T1503	Side Pin Transf.	C39050-A

Semiconductors

Symbol	Description	Part Number
IC1501	I.C.	HA11244
X1101	Si. Transistor	2SC1685(R)
X1102	Si. Transistor	2SA673(C)
X1103	Si. Transistor	2SC1685(R)
X1104	Si. Transistor	2SA673(C)
X1105	Si. Transistor	2SC1685(R)
X1106	Si. Transistor	2SA673(C)
X1301	Si. Transistor	2SC1685(R)
X1302	Si. Transistor	2SC1685(R)
X1303	Si. Transistor	2SA673(C)
X1304	Si. Transistor	2SC1685(R)
X1305	Si. Transistor	2SC1685(R)
X1401	Si. Transistor	2SD478
X1402	Si. Transistor	2SD478
X1501	Si. Transistor	2SC2610BK
X1701	Si. Transistor	2SC1685(P-S)
D1101	Si. Diode	W06A
D1102	Si. Diode	W06A
D1103	Si. Diode	W06A
D1301	Si. Diode	1S2473H
D1401	Si. Diode	1S2473H
D1402	Zener Diode	RD10F(C)
D1503	Si. Diode	HF-1
D1504	Si. Diode	V09E
D1505	Zener Diode	RD11E(B)
D1506	Si. Diode	W06A
D1507	Si. Diode	1SS81
D1508	Si. Diode	1S2473H
△D1701	△Zener Diode	RD20EV2
△D1901	△Si. Diode	1S1887A
△D1902	△Si. Diode	1S1887A
△D1903	△Si. Diode	1S1887A
△D1904	△Si. Diode	1S1887A
Miscellaneous		
Symbol	Description	Part Number
△F1901	△Fuse 1A	QMF53U1-1R0S
△F1902	△UL Fuse 3A	QMF66U1-3R0S

CRT Socket P.C.B. Ass'y (SU-3016A) Parts List

Resistors

Symbol	Description	Part Number
R3105	V R 200 Ω	QVZ3234-022
R3106	V R 200 Ω	QVZ3234-022
R3113	V R 5K Ω	QVZ3234-053
R3114	V R 5K Ω	QVZ3234-053
R3115	V R 5K Ω	QVZ3234-053
R3116	OM R 10K Ω 2W J	QRG029J-103
R3117	OM R 10K Ω 2W J	QRG029J-103
R3118	OM R 10K Ω 2W J	QRG029J-103
R3119	Comp. R 3.3K Ω ½W K	QRZ0039-332
R3120	Comp. R 3.3K Ω ½W K	QRZ0039-332
R3121	Comp. R 3.3K Ω ½W K	QRZ0039-332

Capacitors

Symbol	Description	Part Number
C3107	E Cap. 10uF 250V A	QEW52EA-106
C3108	C Cap. 1000pF DC1400V P	QCZ9001-102M

Coils

Symbol	Description	Part Number
L3101	Peaking coil	QQL043K-101

Semiconductors

Symbol	Description	Part Number
X3101	Si. Transistor	2SC2611
X3102	Si. Transistor	2SC2611
X3103	Si. Transistor	2SC2611

Miscellaneous

Symbol	Description	Part Number
△	△ CRT Socket	A75522

INSTRUCTIONS FOR MODIFICATION OF PAC-MAN GAME PCB

THE FOLLOWING ARE INSTRUCTIONS FOR MODIFYING PAC-MAN PCB SUCH THAT ① THE DEGREE OF DIFFICULTY OF THE GAME IS INCREASED.

