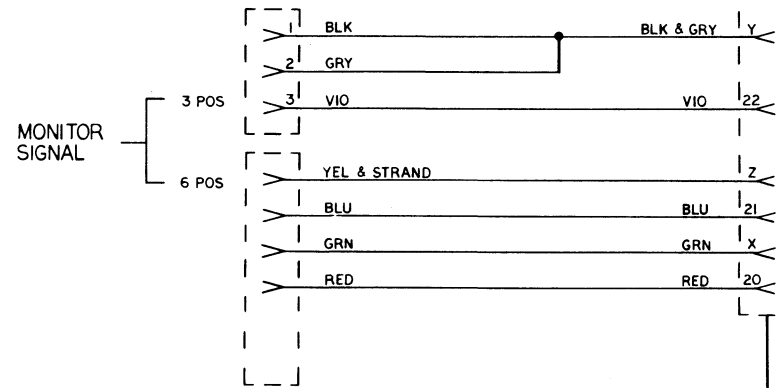
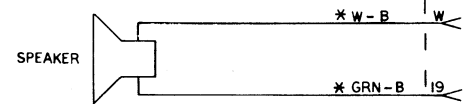
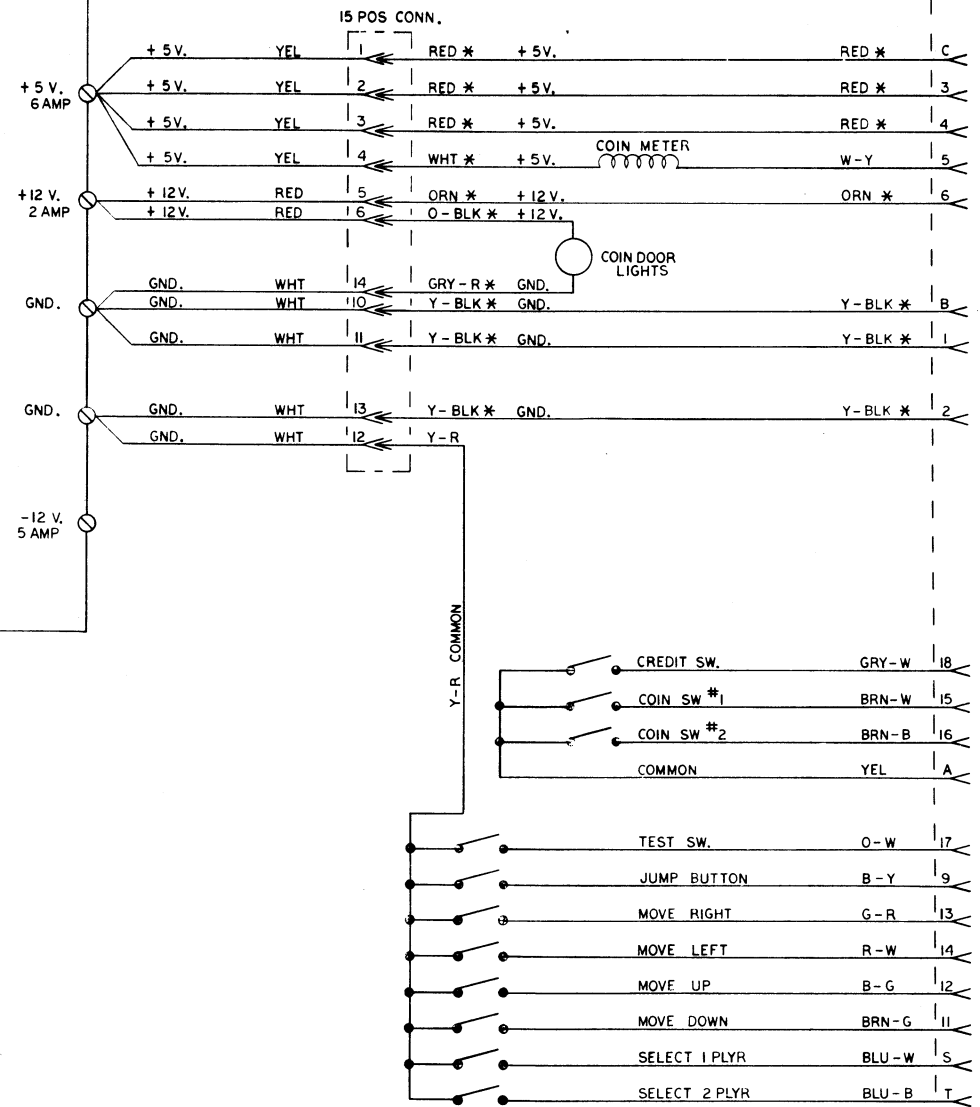
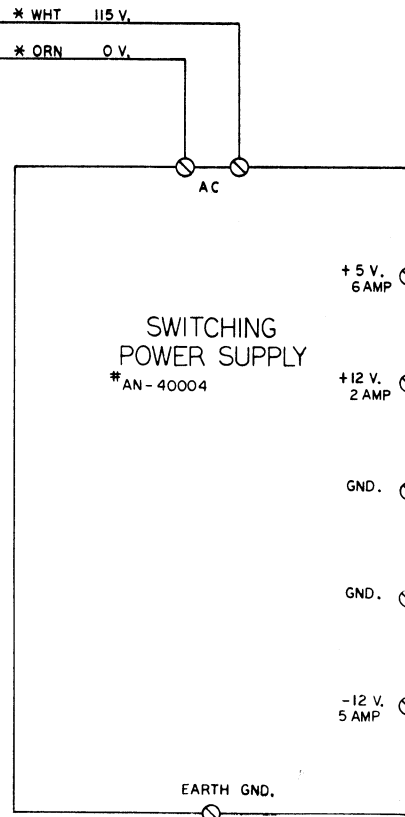


UP 'N DOWN
 WIRING SCHEMATIC # M051-00A64-A003

Bally MIDWAY
 10601 W. BELMONT
 FRANKLIN PARK, ILL 60131

- NOTES:
- ▲ = 18 GA. 600V. WIRE
 - * = 18 GA. WIRE
 - YELLOW 300V. PVC GROUND STRAP RUNS FROM POWER CHASSIS TO:
 - MONITOR
 - CONTROL PANEL
 - COIN DOOR
 - LINE FILTER
 (ALL SEPERATE RUNS)

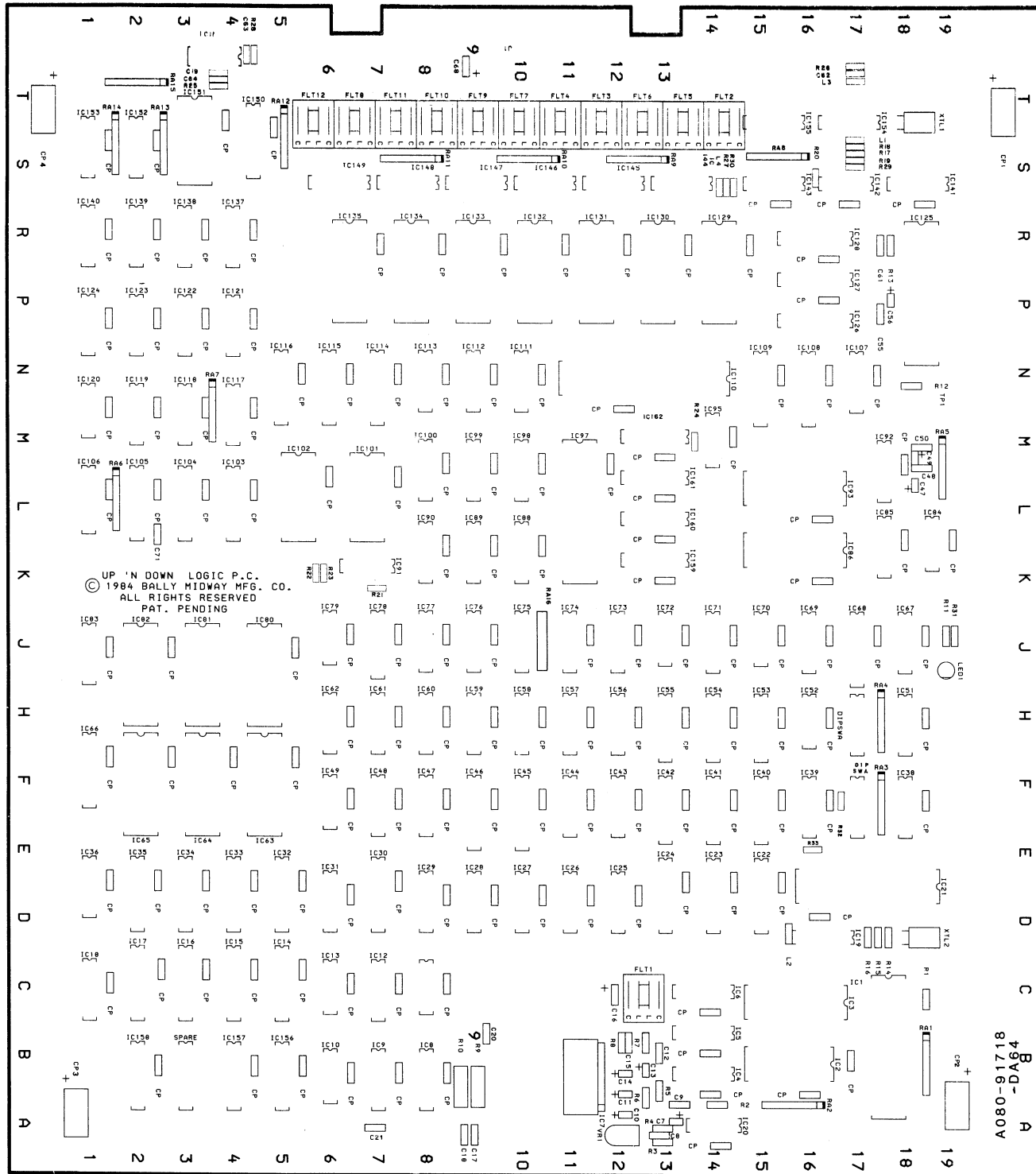
G-Y EARTH GND. TO SPEAKER
 G-Y EARTH GND. FLUORESCENT LIGHT



GAME LOGIC BD.
 BD.# A084 - 91718 - CA64

44 POS CONN

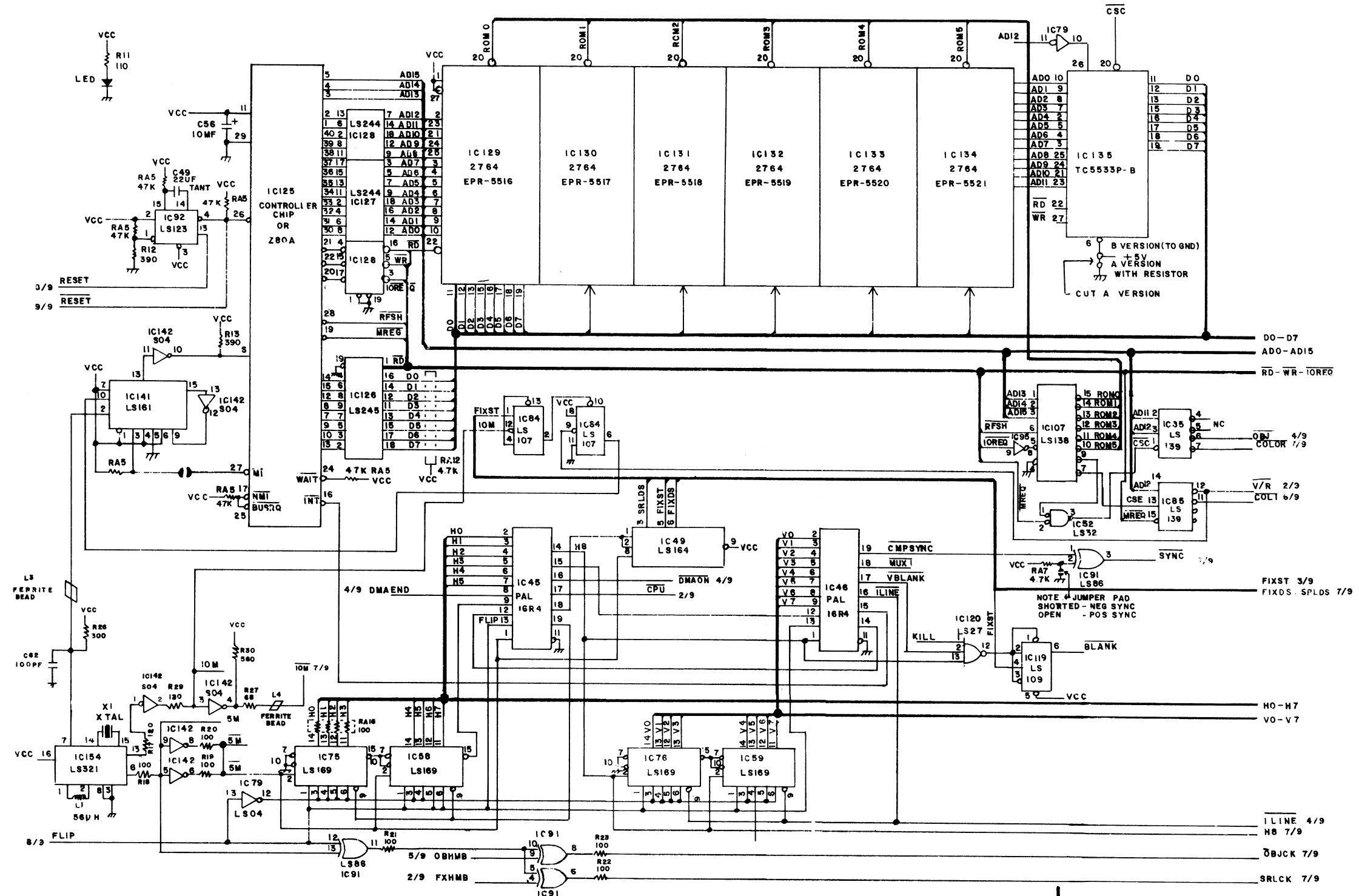
| DESIGNATION NO. | DESCRIPTION | DESIGNATION NO. | DESCRIPTION |
|-----------------|-------------------|-----------------|---------------------|
| C7 | 10 MF 16V TANT | IC 81 | 2764 EPR-5525 |
| C8 | 0.1 MF 50V POLY | IC 82 | 2764 EPR-5527 |
| C10 | 10 MF 16V ELEC | 74LS107 | |
| C11 | 47 MF 16V ELEC | IC 84 | 74LS139 |
| C12 | 0.1 MF 50V POLY | IC 86 | 27128 EPR-5514 |
| C13 | 10 MF 16V TANT | IC 88 | 74LS85 |
| C14 | 47 MF 16V ELEC | IC 89,90 | 74LS157 |
| C15 | 0.01 MF 50V POLY | IC 91 | 74LS86 |
| C16 | 220 MF 16V ELEC | IC 92 | 74LS123 |
| C17, C18 | 0.033 MF 50V POLY | IC 93 | 27128 EPR-5515 |
| C20 | 330 PF CER | IC 95 | 74LS04 |
| C21 | 47 PF 50V | IC 97 | 315-5011 |
| C47 | 47 MF 16V TANT | IC 98 | 74LS283 |
| C49 | 22 MF 16V TANT | IC 99,100 | 74LS157 |
| C56 | 10 MF 16V TANT | IC 101,102 | TMM2016 |
| C62, C63 | 100 PF AX CER | IC 103,104 | 74LS273 |
| C64 | 18 PF AX CER | IC 105 | 74LS377 |
| C68 | 220 MF 16V ELEC | IC 106 | 82S129 PR-5317 |
| C71 | 47 PF 50V | IC 107 | 74LS138 |
| CPI-4 | 470 MF 10-16V | IC 108,109 | 74LS245 |
| ALL "CP" CAPS | 0.1 MF 25V CER | IC 110 | 315-5012 |
| R1 | 390 OHM 1/4W 5X | IC 111 | 74LS283 |
| R3 | 27K 1/4W 5X | IC 112,113 | 74LS157 |
| R4 | 10 OHM 1/4W 5X | IC 114,115 | 74LS245 |
| R6 | 22K OHM 1/4W 5X | IC 116 | 74LS273 |
| R7 | 10 OHM 1/4W 5X | IC 117 | 74LS368 |
| R8 | 1.5K OHM 1/4W 5X | IC 118 | 74LS155 |
| R9, R10 | 4.7 OHM 1W | IC 119 | 74LS109 |
| R12, R13 | 390 OHM 1/4W 5X | IC 120 | 74LS27 |
| R16 | ZERO OHM | IC 121 | 74LS153 |
| R17 | 120 OHM 1/4W 5X | IC 122 | 74LS174 |
| R18-R25 | 100 OHM 1/4W 5X | IC 123 | 74LS153 |
| R26 | 300 OHM 1/4W 5X | IC 124 | 74LS157 |
| R27 | 68 OHM 1/4W | IC 125 | Z80A |
| R28 | 82 OHM 1/4W | IC 126 | 74LS245 |
| R29 | 130 OHM 1/4W | IC 127,128 | 74LS244 |
| R30 | 560 OHM 1/4W | IC 129 | 2764 EPR-5679T |
| R31 | 4.7K OHM 1/4W | IC 130 | 2764 EPR-5680T |
| R32, R33 | 100 OHM 1/4W 5X | IC 131 | 2764 EPR-5681T |
| RA 1 | 8X4.7K OHM 9-PIN | IC 132 | 2764 EPR-5682T |
| RA 2 | 8X10K OHM 9-PIN | IC 133 | 2764 EPR-5683T |
| RA 3,4 | 8X4.7K OHM 9-PIN | IC 134 | 2764 EPR-5684T |
| RA 5 | 8X4.7K OHM 1/8W | IC 135 | TC5533P-8 |
| | W/COM | IC 137 | 74LS153 |
| RA 6 | 8X.560 OHM 1/8W | IC 138 | 74LS174 |
| RA 7,8 | 8X4.7K OHM 9-PIN | IC 139,140 | 74LS153 |
| | W/COM 9-PIN | IC 141 | 74LS161 |
| RA 9-11 | 8X.560 OHM 1/8W | IC 142 | 74S04 |
| | W/COM 9-PIN | IC 143 | 74LS145 |
| RA 12 | 8X4.7K OHM 9-PIN | IC 144-149 | PHOTO CPLR TLP521-4 |
| RA 13-15 | 8X1K OHM 9-PIN | IC 150 | 74LS245 |
| RA 16 | 100 OHM 8-PIN SIP | IC 151 | TMM2016-1 |
| | | IC 152,153 | 74LS175 |
| | | IC 154 | 74LS381 |
| | | IC 155 | ULN 2003 |
| VR1 | VOL CONT 2K OHM | IC 156-158 | 315-5025 |
| IC 1 | Z80A | IC 159-162 | MB2148-55 |
| IC 2 | TMM2016 | | |
| IC 3 | 2764 EPR-5528 | | |
| IC 4,5 | 76489A | ICS 2 | 24-PIN |
| IC 6 | 74LS138 | ICS 3 | 28-PIN DUAL INLN |
| IC 7 | LA4460 | ICS 4,5 | 16-PIN DUAL INLN |
| IC 8,9 | 74LS174 | ICS 40-42 | 18-PIN |
| IC 10 | 74LS04 | ICS 45,46 | 20-PIN DUAL INLN |
| IC 11 | 74LS132 | ICS 53-55 | 18-PIN |
| IC 12 | 74LS109 | ICS 63-65 | 28-PIN DUAL INLN |
| IC 13 | 74LS125 | ICS 80-82 | 28-PIN DUAL INLN |
| IC 19 | 74LS321 | ICS 86 | 28-PIN DUAL INLN |
| IC 20 | 74LS107 | ICS 93 | 28-PIN DUAL INLN |
| IC 21 | 8255A-5 | ICS 101,102 | 24-PIN |
| IC 22,23 | 74LS244 | ICS 106 | 16-PIN DUAL INLN |
| IC 24 | AM25LS2519 | ICS 125 | 40-PIN DUAL INLN |
| IC 25-29 | 74LS399 | ICS 129-135 | 28-PIN DUAL INLN |
| IC 30 | 74LS273 | ICS 151 | 24-PIN |
| IC 31 | 74LS155 | ICS 159-162 | 18-PIN |
| IC 38 | 74LS257 | | |
| IC 39 | 74LS157 | | |
| IC 40-42 | MB2148-55 | | |
| IC 43,44 | 74LS157 | | |
| IC 45 | PAL 5023 | | |
| IC 46 | PAL 5024 | | |
| IC 47,48 | 74LS157 | | |
| IC 49 | 74LS164 | | |
| IC 51 | 74LS257 | | |
| IC 52 | 74LS32 | | |
| IC 53-55 | MB2148-55 | | |
| IC 56,57 | 74LS157 | | |
| IC 58,59 | 74LS669 | | |
| IC 60,61 | 74LS157 | | |
| IC 62 | 74S201 | | |
| IC 63 | 2764 EPR-5522 | | |
| IC 64 | 2764 EPR-5524 | | |
| IC 65 | 2764 EPR-5526 | | |
| IC 68 | 74 S175 | | |
| IC 69 | 74LS273 | | |
| IC 70 | 74LS157 | | |
| IC 71 | 74LS174 | | |
| IC 72 | 74LS20 | | |
| IC 73-76 | 74LS669 | | |
| IC 77 | 74LS157 | | |
| IC 78 | 2147/8147 | | |
| IC 79 | 74LS04 | | |
| IC 80 | 2764 EPR-5523 | | |



| DESCRIPTION | QTY | DESIGNATION NO. | PART NUMBER | DESCRIPTION | QTY | DESIGNATION NO. | PART NUMBER |
|---------------------|-----|--|-----------------|----------------|-----|-----------------|-----------------|
| 18 PF AX CER | 1 | C64 | 0360-00800-0051 | 27128 EPR-5514 | 1 | IC 86 | 0A64-00803-0020 |
| 47 PF 50V | 2 | C21, C71 | 0316-00800-0003 | 27128 EPR-5515 | 1 | IC 93 | 0A64-00803-0021 |
| 100 PF AX CER | 2 | C62, C63 | 0A64-00800-0006 | 2764 EPR-5522 | 1 | IC 63 | 0A64-00803-0028 |
| 330 PF CER | 1 | C20 | 0300-00800-1402 | 2764 EPR-5523 | 1 | IC 80 | 0A64-00803-0029 |
| 0.1 MF 50V POLY | 2 | C8, C12 | 0986-00800-0100 | 2764 EPR-5524 | 1 | IC 64 | 0A64-00803-0030 |
| 0.01 MF 50V POLY | 1 | C15 | 0550-00800-1000 | 2764 EPR-5525 | 1 | IC 81 | 0A64-00803-0031 |
| 0.033 MF 50V POLY | 2 | C17, C18 | 0353-00800-0002 | 2764 EPR-5526 | 1 | IC 65 | 0A64-00803-0032 |
| 10 MF 16V ELEC | 1 | C10 | 0A64-00800-0001 | 2764 EPR-5527 | 1 | IC 82 | 0A64-00803-0033 |
| 10 MF 16V TANT | 3 | C7, C13, C56 | 0333-00800-0006 | 2764 EPR-5528 | 1 | IC 3 | 0A64-00803-0034 |
| 22 MF 16V TANT | 1 | C49 | 0333-00800-0007 | 2764 EPR-5679T | 1 | IC 129 | 0A64-00803-0022 |
| 47 MF 16V ELEC | 2 | C11, C14 | 0175-2204-F48X | 2764 EPR-5680T | 1 | IC 130 | 0A64-00803-0023 |
| 47 MF 16V TANT | 1 | C47 | 0A64-00800-0003 | 2764 EPR-5681T | 1 | IC 131 | 0A64-00803-0024 |
| 220 MF 16V ELEC | 2 | C16, 68 | 0A64-00800-0002 | 2764 EPR-5682T | 1 | IC 132 | 0A64-00803-0025 |
| | | | | 2764 EPR-5683T | 1 | IC 133 | 0A64-00803-0026 |
| | | | | 2764 EPR-5684T | 1 | IC 134 | 0A64-00803-0027 |
| 0.1 MF 25V CER | 140 | ALL "CP" CAPS | 0508-00800-0900 | 74LS04 | 3 | IC 10,79,95 | 0300-00803-0029 |
| 470 MF 10-16V | 4 | CP1-4 | 0550-00800-1300 | 74S04 | 1 | IC 142 | 0304-00803-0011 |
| ZERO OHM | 1 | R16 | 1015-00087-0000 | 74LS20 | 1 | IC 7 | 0300-00803-0052 |
| 10 OHM 1/4W 5X | 2 | R4, R7 | 100E-00005-0011 | 74LS27 | 1 | IC 120 | 0986-00803-9500 |
| 68 OHM 1/4W | 1 | R27 | 100E-00005-0011 | 74LS32 | 1 | IC 52 | 0300-00803-0031 |
| 82 OHM 1/4W | 1 | R28 | 100E-00005-0031 | 74LS32 | 1 | IC 52 | 0300-00803-0031 |
| 100 OHM 1/4W | 10 | R18-R25, R32, R33 | 100E-00005-0033 | 74LS85 | 1 | IC 88 | 0A64-00803-0003 |
| 120 OHM 1/4W | 1 | R17 | 100E-00005-0035 | 74LS86 | 1 | IC 91 | 0300-00803-0054 |
| 130 OHM 1/4W 5X | 1 | R29 | 100E-00005-C036 | 74LS107 | 2 | IC 20,84 | 0932-00814-0100 |
| 300 OHM 1/4W | 1 | R26 | 100E-00005-0046 | | | | |
| 390 OHM 1/4W 5X | 3 | R1, R12, R13 | 100E-00005-0049 | | | | |
| 560 OHM 1/4W | 1 | R30 | 100E-00005-0054 | | | | |
| 4.7K OHM 1/4W 5X | 1 | R31 | 100E-00008-0079 | | | | |
| 27K 1/4W 5X | 1 | R3 | 100E-00005-0098 | | | | |
| 22K OHM 1/4W 5X | 1 | R6 | 100E-00005-0096 | | | | |
| 1.5K OHM 1/4W 5X | 1 | R8 | 100E-00005-0065 | | | | |
| 4.7 OHM 1W | 2 | R9, R10 | 100E-00007-0048 | | | | |
| 8X4.7K OHM 9-PIN | 6 | RA 1,3,4,7,8,12 | 102E-00004-0024 | | | | |
| 8X10K OHM 9-PIN | 1 | RA 2 | 0A64-00804-0004 | | | | |
| 8X4.7K OHM 1/8W | 1 | RA 5 | 0A64-00804-0005 | | | | |
| W/COM | | | | | | | |
| 8X.560 OHM 1/8W | 4 | RA 6,9-11 | 0A64-00804-0003 | | | | |
| W/COM 9-PIN | | | | | | | |
| 8X10K OHM 9-PIN | 3 | RA 13-15 | 102E-00004-0011 | | | | |
| 100 OHM 8-PIN SIP | 1 | RA 16 | 102E-00004-0041 | | | | |
| | | | | | | | |
| VOL CONT 2K OHM | 1 | VR1 | 105E-00001-0038 | | | | |
| 74LS109 | 2 | IC 12,119 | 0316-00803-0001 | | | | |
| 74LS123 | 1 | IC 92 | 0A64-00803-0004 | | | | |
| 74LS132 | 1 | IC 11 | 0A64-00803-0001 | | | | |
| 74LS138 | 2 | IC 6,107 | 0300-00803-0033 | | | | |
| 74LS139 | 1 | IC 85 | 0300-00803-0034 | | | | |
| 74LS153 | 5 | IC 121,123,137,139,140 | 0986-00803-1000 | | | | |
| 74LS155 | 2 | IC 31,118 | 0A64-00803-0007 | | | | |
| 74LS157 | 18 | IC 39,43,44,47,48,56,57,60,61,69,77,89,90,99,100,112,113,124 | 0300-00803-0050 | | | | |
| 74LS161 | 1 | IC 141 | 0300-00803-0044 | | | | |
| 74LS164 | 1 | IC 49 | 0A64-00803-0008 | | | | |
| 74LS174 | 5 | IC 8,9,71,122,138 | 0300-00803-0047 | | | | |
| 74S175 | 3 | IC 67,152,153 | 0A64-00803-0009 | | | | |
| 74S201 | 1 | IC 62 | 0A64-00803-0010 | | | | |
| 74LS244 | 4 | IC 22,23,127,128 | 0300-00803-0037 | | | | |
| 74LS245 | 6 | IC 108,109,114,115,126,150 | 0300-00803-0046 | | | | |
| 74LS257 | 1 | IC 38,51 | 0316-00803-0002 | | | | |
| 74LS273 | 5 | IC 30,68,103,104,116 | 0935-00804-1500 | | | | |
| 74LS283 | 2 | IC 98,111 | 0300-00803-0045 | | | | |
| 74LS321 | 2 | IC 19,154 | 0A64-00803-0011 | | | | |
| 74LS368 | 1 | IC 117 | 0316-00803-0004 | | | | |
| 74LS377 | 1 | IC 105 | 0316-00803-0021 | | | | |
| 74LS399 | 5 | IC 25-29 | 0A64-00803-0012 | | | | |
| 74LS669 | 6 | IC 58,59,73-76 | 0A64-00803-0013 | | | | |
| 7425 | 1 | IC 70 | 0A64-00803-0002 | | | | |
| 74125 | 1 | IC 13 | 0A64-00803-0005 | | | | |
| 74145 | 1 | IC 143 | 0A64-00803-0006 | | | | |
| 76489A | 2 | IC 4,5 | 0315-00205-0000 | | | | |
| 2147/8147 | 1 | IC 78 | 0A64-00803-0018 | | | | |
| 8255A-5 | 1 | IC 21 | 0A64-00803-0014 | | | | |
| 82S129 PR-5317 | 1 | IC 106 | 0A64-00803-0017 | | | | |
| AM25LS2519 | 1 | IC 24 | 0315-00127-0000 | | | | |
| 315-5011 | 1 | IC 97 | 0315-00111-0000 | | | | |
| 315-5012 | 1 | IC 110 | 0315-00102-0000 | | | | |
| 315-5025 | 3 | IC 156-158 | 0315-00205-0000 | | | | |
| PAL 5023 | 1 | IC 45 | 0A64-00803-0015 | | | | |
| PAL 5024 | 1 | IC 46 | 0A64-00803-0016 | | | | |
| LA4460 | 1 | IC 7 | 0A64-00803-0019 | | | | |
| TMM2016-1 | 1 | IC 151 | 0A64-00803-0035 | | | | |
| MB2148-55 | 10 | IC 40-42,53-55,159-162 | 0A64-00803-0036 | | | | |
| PHOTO CPLR TLP521-4 | 6 | IC 144-149 | 0A64-00804-0010 | | | | |
| TC5533P-8 | 1 | IC 135 | 0315-00260-0000 | | | | |
| ULN 2003 | 1 | IC 155 | 0A64-00803-0037 | | | | |
| TMM2016 | 3 | IC 2,101,102 | 0508-00803-2500 | | | | |
| Z80A | 2 | IC 1,125 | 0932-00807-0000 | | | | |

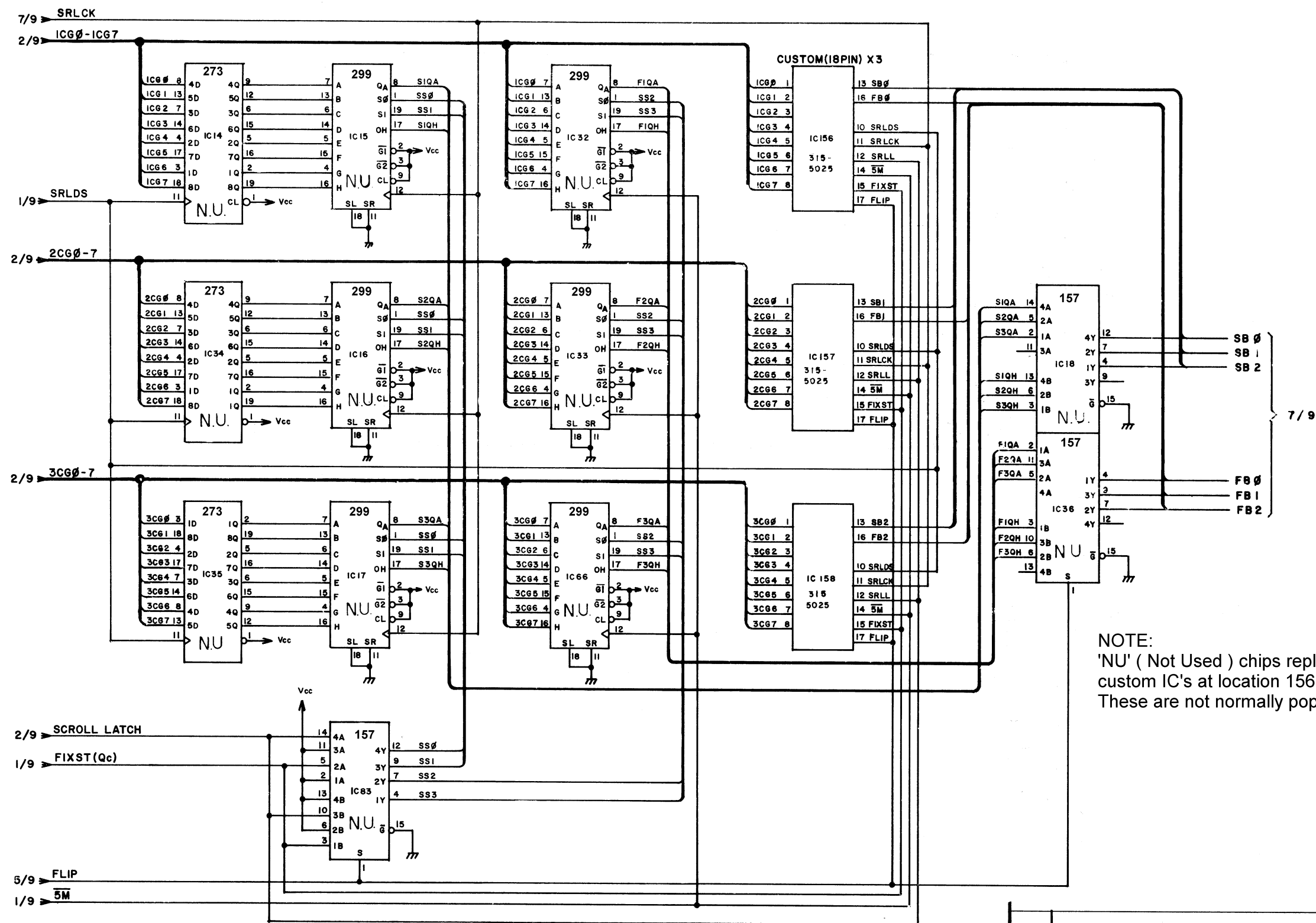
A080-91718-DA64

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|---------------------------------|-------------|-------------------|------------------------------|-------------------------|--|
| PROJECT ENG. J. SZERSZEN | | USED ON UP'N DOWN | | REVISIONS | |
| DO NOT SCALE DWG. | HEAT TREAT | SCALE | NO. REVD'N PER | Bally / MIDWAY MFG. CO. | |
| DIM TOLERANCES UNLESS SPECIFIED | DRAWN M.M. | MATERIAL | FRANKLIN PK. ILL. | PART NO. | |
| CONCENTRICITY F.T.M. 0.01 | DATE 4/4/84 | FINISH | UP'N DOWN LOGIC ASSEMBLY DWG | A084-91718-DA64 | |
| FRACTIONAL DECIMAL | | | | M051-00A64-D009 | |
| HOLE DIA. ±.002 0.000 | | | | | |



| REVISIONS | |
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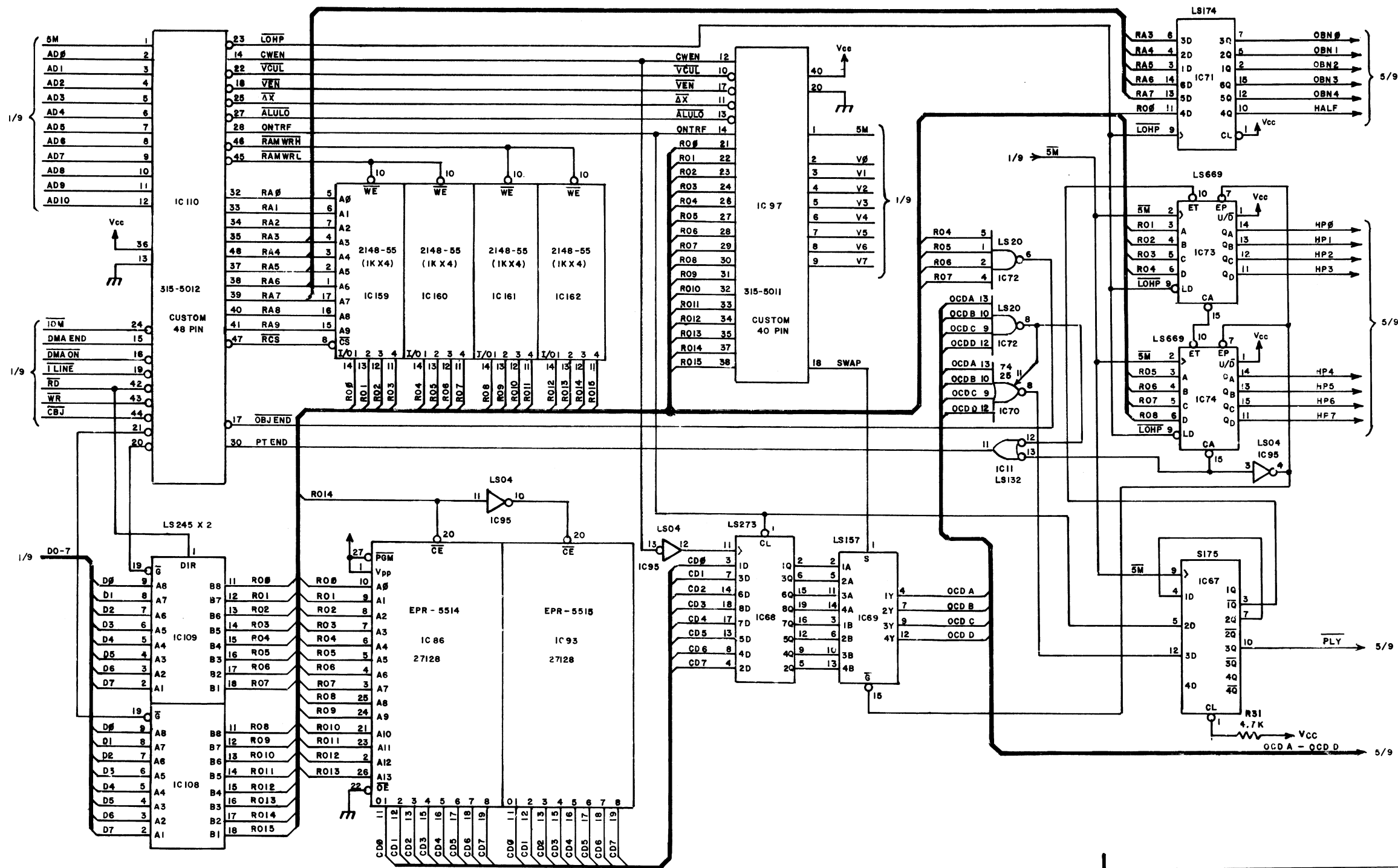
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| PROJECT ENG: J. SZERSZEN | | USED ON UP'N DOWN | | REVISIONS | |
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| DIM. TOLERANCES UNLESS SPECIFIED | | HEAT TREAT | | FRANKLIN PK. ILL. | |
| CONCENTRICITY T.H. 0.03 | | SCALE | | PART NO. | |
| FRACTIONAL 1/64 | | NO. REQ'D | | M051 - 00A64 - D010 | |
| DECIMAL 0.005 | | SHEMATIC DWG. | | | |
| HOLE DIA +002 000 | | UP'N DOWN LOGIC P.C. | | | |
| | | A080-91718-DA64 | | | |
| | | PAGE 1 OF 9 | | | |
| DATE 3/30/84 | | | | | |



NOTE:
 'NU' (Not Used) chips replace
 custom IC's at location 156,157,158
 These are not normally populated

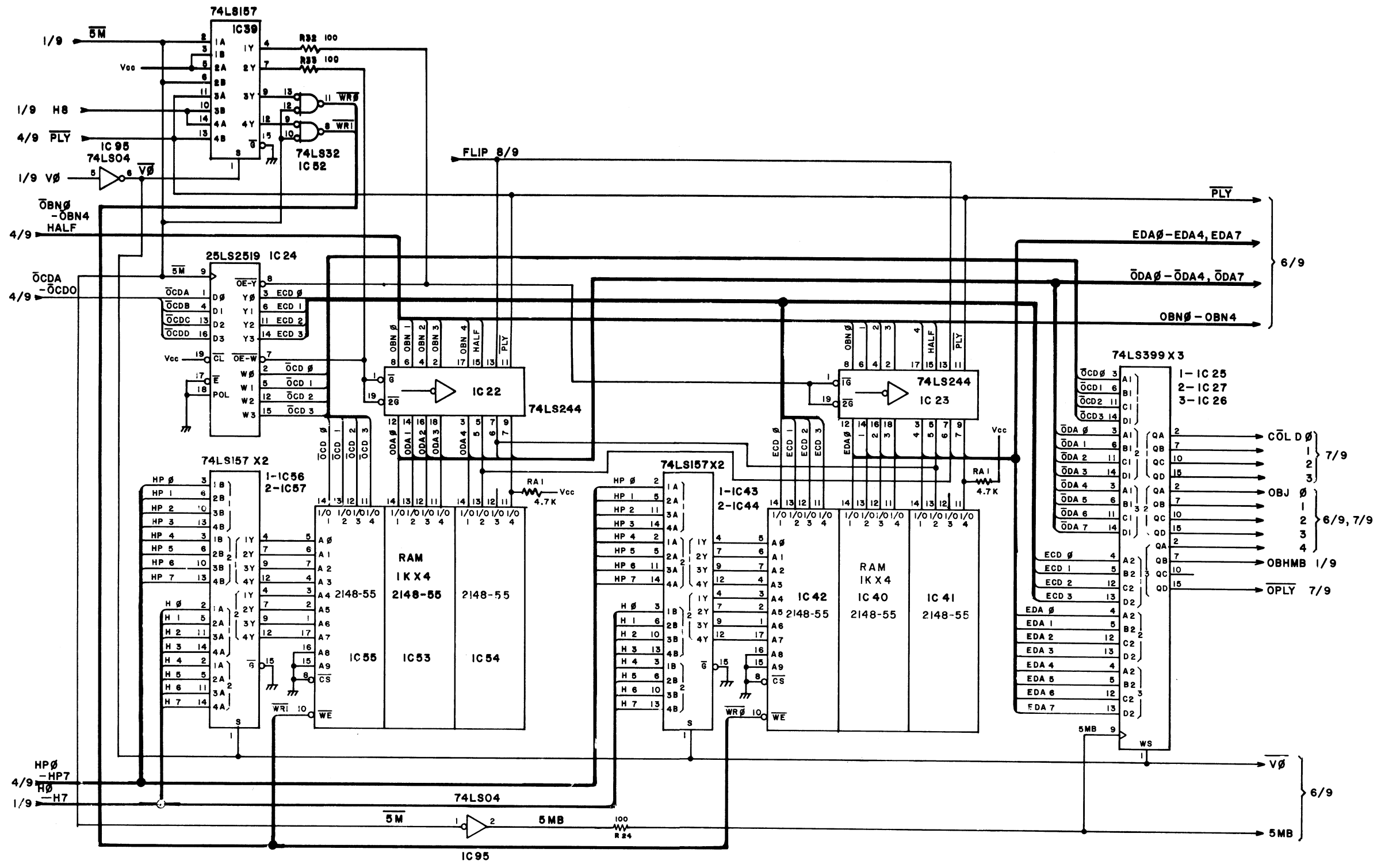
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|----------------------------------|--|-----------------|----------------------|-------|---|
| PROJECT ENG: J. SZERSZEN | | | USED ON UP'N DOWN | | Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL. |
| DO NOT SCALE DWG. | | | HEAT TREAT | SCALE | |
| DIM. TOLERANCES UNLESS SPECIFIED | | DRW. <i>RLW</i> | MATERIAL | | PART NO. M051 - 00A64 - D010 |
| CONCENTRICITY F.R. .005 | | CHKD. | FINISH | | |
| FRACTIONAL 1/64 | | DATE 3/30/84 | SCHEMATIC DRAWING | | PAGE 3 OF 9 |
| DECIMAL .005 | | | UP'N DOWN LOGIC P.C. | | |
| HOLE DIA +.002 .000 | | | A080 - 91718 - DA64 | | |



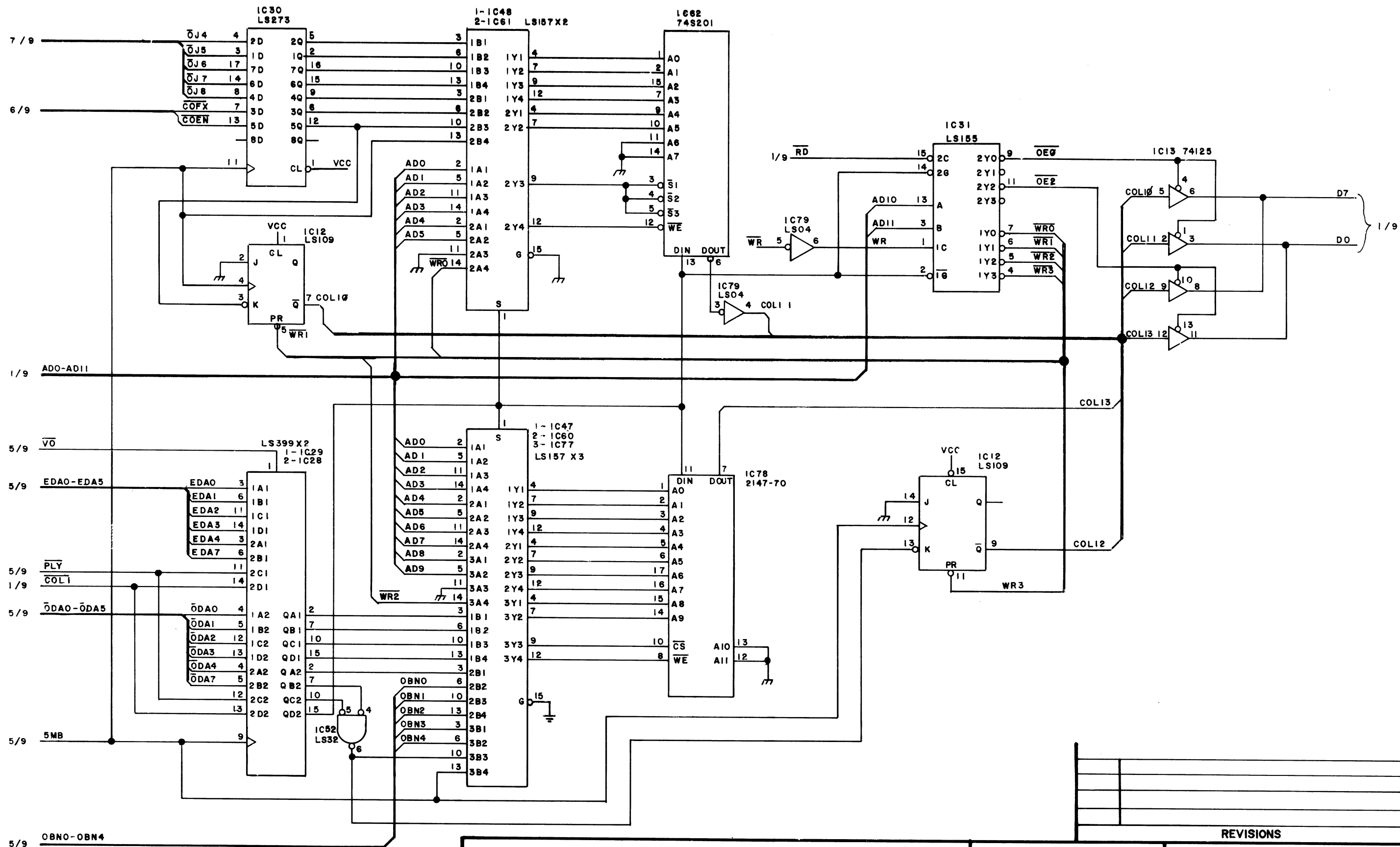
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|----------------------------------|--|-------------------|--|------------------------------------|--|
| PROJECT ENG: J. SZERSZEN | | USED ON UP & DOWN | | Bally / MIDWAY MFG. CO. | |
| DO NOT SCALE DWG. | | HEAT TREAT | | FRANKLIN PK. ILL. | |
| DIM. TOLERANCES UNLESS SPECIFIED | | SCALE | | NO. REQ'D 1 PER | |
| CONCENTRICITY TYP. 0.03 | | MAY'L. | | PART NO. | |
| FRACTIONAL 1/64 | | FINISH | | MO51 - 00A64 - D010 | |
| DECIMAL 0.005 | | DATE 3/30/84 | | SCHEMATIC DWG. UP & DOWN LOGIC PC. | |
| HOLE DIA. +0.02 0.00 | | PAGE 4 OF 9 | | | |



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| | | | |
| 3-3084 | ADDED R32 & R33 | REV. D | RLW |
| REVISIONS | | | |

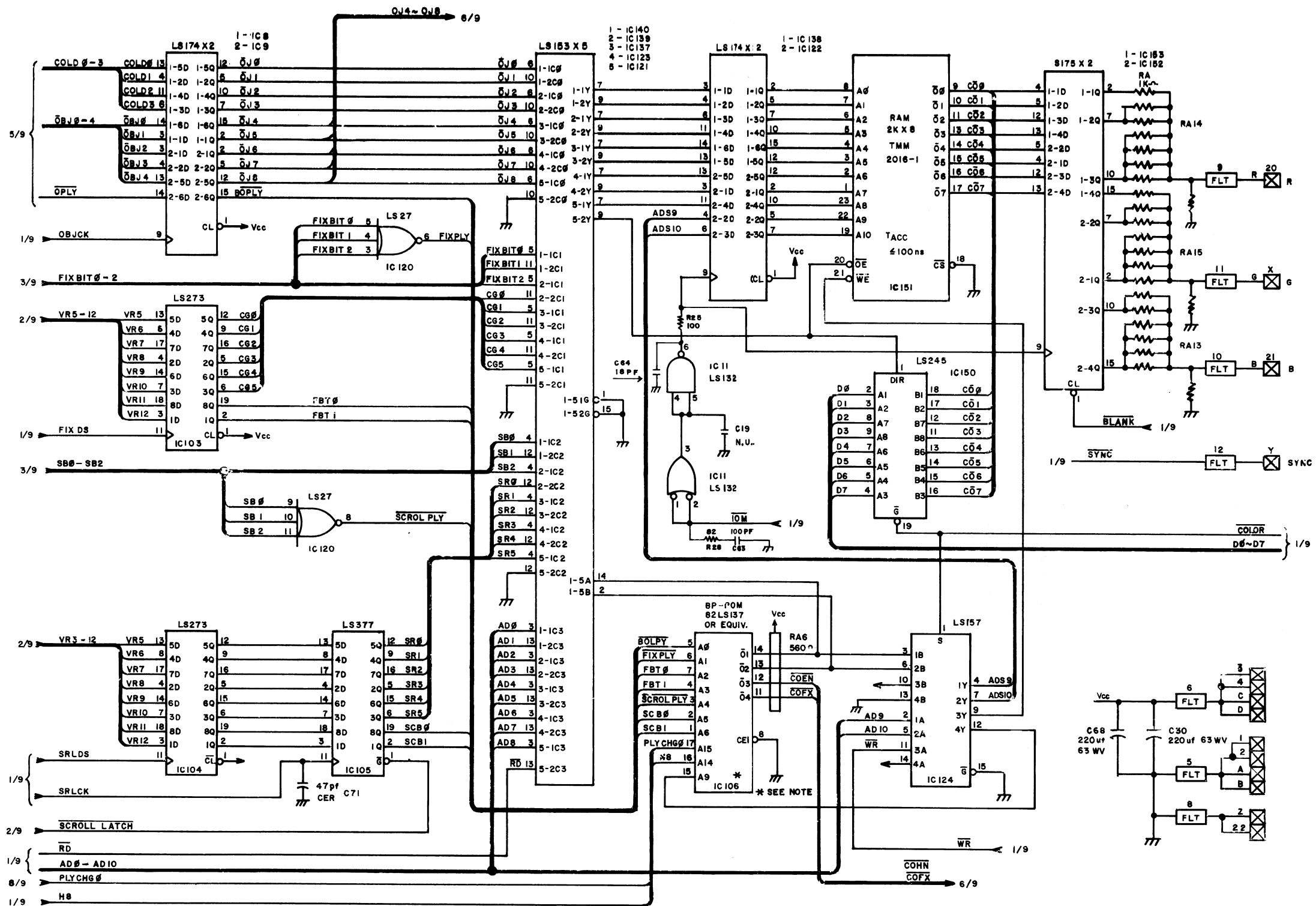
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| PROJECT ENG: J. SZERZEN | | USED ON UP'N DOWN | | Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL. |
| DO NOT SCALE DWG | | HEAT TREAT | SCALE | |
| DIM TOLERANCES UNLESS SPECIFIED | | NO. REQ'D | | PART NO. M051 - 00A64 - D010 |
| DRN: <i>GL</i> | MAT'L. | Schematic Drawing | | |
| CKD. | FINISH | UP N DOWN LOGIC P. C. | | |
| DATE: 3/30/84 | | A080-91718-DA64 | | PAGE 5 OF 9 |



5/9 OBN0-OBN4

| REVISIONS | |
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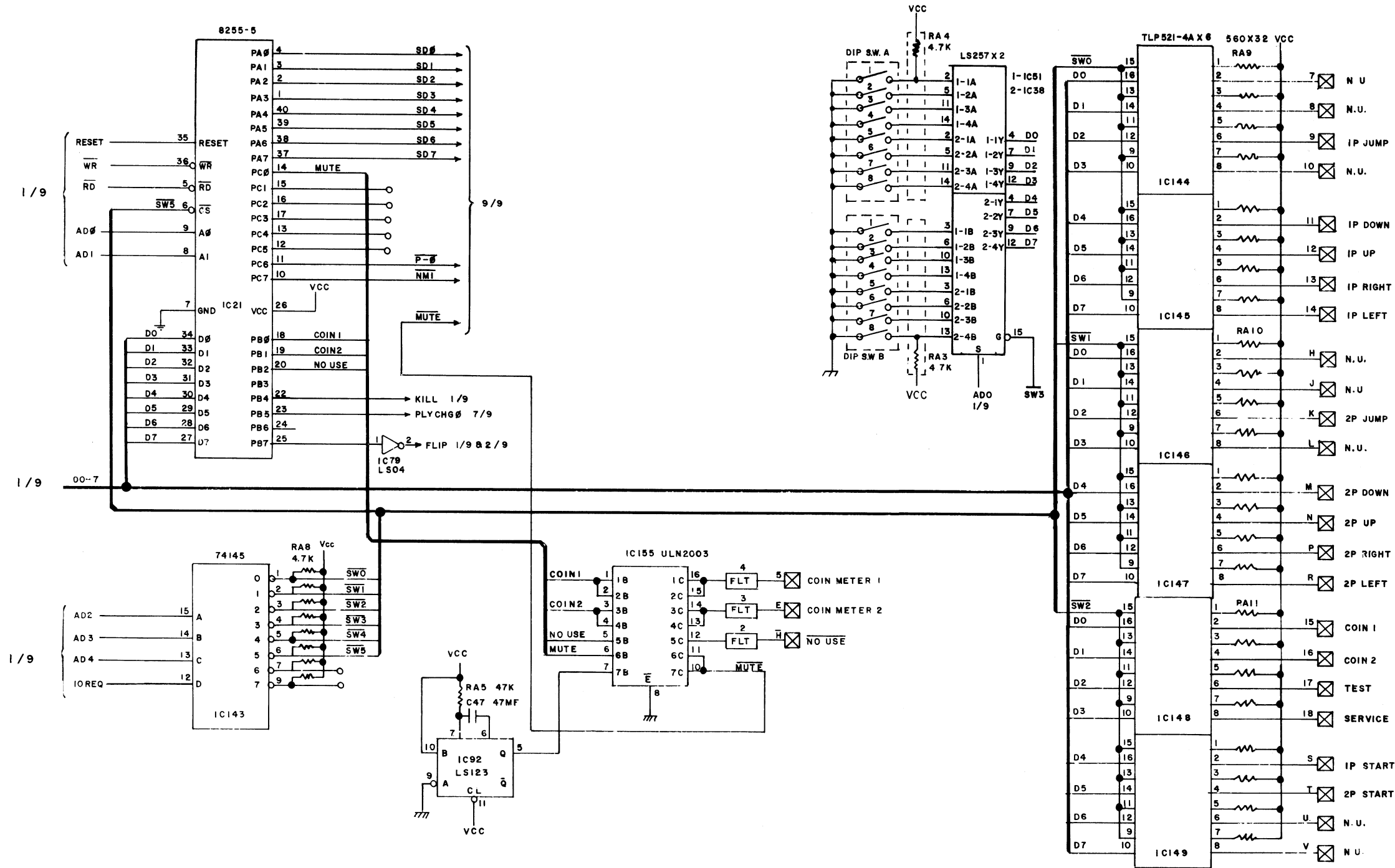
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| PROJECT ENG: J.SZERZSEN | | | USED ON UP'N DOWN | | Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL. |
| DO NOT SCALE DWG. | | | HEAT TREAT | SCALE FULL | |
| DIM. TOLERANCES UNLESS SPECIFIED | | DRN. BAK | MAY'L. | | PART NO. M051 - 00A64 - D010 |
| CONCENTRICITY T.Y.R. 003 | | CHK. | FINISH | | |
| FRACTIONAL 1/64 | | DATE 3/30/84 | UP'N DOWN LOGIC PC. SCHEMATIC A080-91718-DA64 PAGE 6 OF 9 | | |



NOTE:
PIN #S FOR IC106 REFER TO PCB
SILKSCREEN WHICH IS FOR AN 18 PIN
CHIP.

| REVISIONS | |
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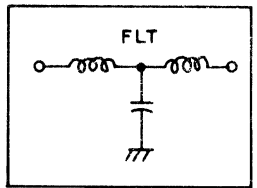
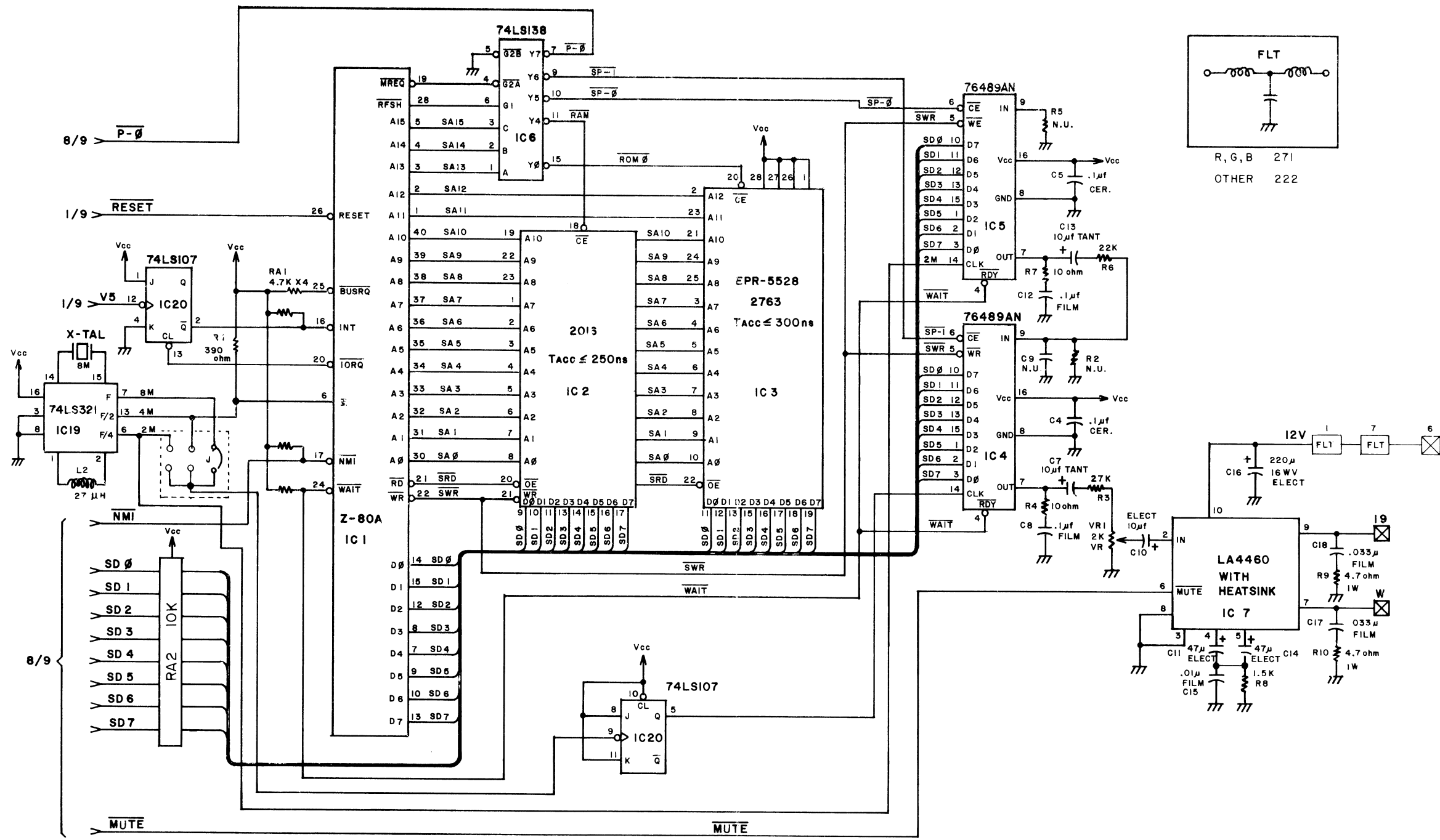
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|----------------------------------|------------|-------------------------------------|-------------------------|
| PROJECT ENG: J. SZERSZEN | | USED ON UP'N DOWN | |
| DO NOT SCALE DWG. | | NO. REQ'D | |
| DIM. TOLERANCES UNLESS SPECIFIED | | SCHEMATIC DWG. UP'N DOWN LOGIC P.C. | |
| CONCENTRICITY TYP. 0.03 | | A080 - 91718 - DA64 | |
| FRACTIONAL 1/64 | | PAGE 7 OF 9 | |
| DECIMAL 1.005 | | PART NO. M051 - 00A64 - D010 | |
| HOLE DIA +.002 .000 | | FRANKLIN PK. ILL. | |
| DRN. RLW | HEAT TREAT | SCALE | Bally / MIDWAY MFG. CO. |
| CKD. | MAT'L. | NO. REQ'D | FRANKLIN PK. ILL. |
| DATE 3/30/84 | FINISH | | |



| REVISIONS | |
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| PROJECT ENG: J. SZERZSEN | | USED ON UP'N DOWN | | Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL. |
| DO NOT SCALE DWG | | HEAT TREAT | SCALE FULL | |
| DIM TOLERANCES UNLESS SPECIFIED | | NO. REQ'D 1 PER | | PART NO. M051 - 00A64 - D010 |
| DRN BAK | | UP'N DOWN LOGIC PC. SCHEMATIC | | |
| DATE 3/30/84 | | A080-91718-DA64 | | |

UP'N DOWN LOGIC PC. SCHEMATIC
A080-91718-DA64
PAGE 8 of 9



R, G, B 271
OTHER 222

| REVISIONS | |
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|---------------------------------|--|-------------------|--------|---|--|
| PROJECT ENG: J. SZERSZEN | | USED ON UP'N DOWN | | <i>Bally</i> / MIDWAY MFG. CO. FRANKLIN PK. ILL. | |
| DO NOT SCALE DWG. | | HEAT TREAT | SCALE | | |
| DIM TOLERANCES UNLESS SPECIFIED | | DRN. <i>CL</i> | MAT'L. | SCHEMATIC DRAWING UP'N DOWN LOGIC P.C. A080-91718 -DA64 PAGE 9 OF 9 | |
| CONCENTRICITY FOR .005 | | CKD. | FINISH | | |
| FRACTIONAL 1/64 | | DATE 3/30/84 | | | |
| DECIMAL .005 | | | | PART NO. MO51 - 00A64 - D010 | |
| HOLE DIA +.002 .000 | | | | | |