| Image: body set in the set   | # DEC. | GAME            | NOTES  | GAME SELCTION DIP SWITCH S5 CPU CLOCK JUMF |     |     |     |     |     |     |     |     | DAM WIDTH OC |                |
|--|--------|-----------------|--|--|-----|-----|-----|-----|-----|-----|-----|-----|--------------|----------------|
| Image <th< th=""><th># DEC.</th><th>GAME</th><th></th><th>A20</th><th>Δ19</th><th></th><th></th><th></th><th>-</th><th>Δ14</th><th>A13</th><th></th><th></th><th></th></th<>   | # DEC. | GAME            |  | A20  | Δ19 |     |     |     | -   | Δ14 | A13 |     |              |                |
| Bis         Bis dash         Dif D B A Div No Yoong Service Joong Tes (Service Joong  |        | BALLY -17       |  |  |     |     |     |     |     |     |     |     |              | DIP-1 TO DIP-4 |
| BiolExchangeDist<  | 000    |                 |  |  | ON  |     |     |     |     |     |     |     |              | OFF / OUT      |
| Imate         IDE ID ADDRED MADE ADDRED  | 001    | Eight Ball      | DIP 17, 18 & 19 ON for freeplay. Enhanced Switch Test                        | ON   | ON  | ON  | ON  | ON  | ON  | ON  | OFF | IN  | OUT          | OFF / OUT      |
| Image         Image <t< td=""><td>002</td><td>Evel Knievel</td><td>DIP 17, 18 &amp; 19 ON for freeplay. Tilt exploit fixed. Drop target down logic.</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td><td>OFF</td><td>ON</td><td>IN</td><td>OUT</td><td>OFF / OUT</td></t<>  | 002    | Evel Knievel    | DIP 17, 18 & 19 ON for freeplay. Tilt exploit fixed. Drop target down logic. | ON   | ON  | ON  | ON  | ON  | ON  | OFF | ON  | IN  | OUT          | OFF / OUT      |
| Image     Matches  |        | Freedom         |  |  |     |     |     |     | -   | -   |     |     | 1            | OFF / OUT      |
| model <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td>OFF / OUT</td></th<>   |        |                 |  |  |     |     |     |     | -   |     |     |     | -            | OFF / OUT      |
| modem  |        | •               |  |  |     |     |     |     |     |     |     |     |              |                |
| Biology Algos     Descriptions     Descriptions <th< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>  |        | -               |  |  |     |     |     |     |     |     |     |     |              |                |
| Image <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 1000     101     001<  | 008    |                 |  |  |     |     |     |     |     | -   |     |     | 1            |                |
| 10001  | 009    |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| Disp         Disp Abs. PAM. Disp Disp Disp         OPT         O   |        |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| Bit         Dist 3.6 Sinch Fragury         ON         ON         ON         OP         OP        OP        OP        OP <td>011</td> <td>Centaur</td> <td>DIP 25 &amp; 26 ON for freeplay</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>OFF</td> <td>ON</td> <td>OFF</td> <td>OFF</td> <td>IN</td> <td>OUT</td> <td>OFF / OUT</td>   | 011    | Centaur         | DIP 25 & 26 ON for freeplay  | ON   | ON  | ON  | ON  | OFF | ON  | OFF | OFF | IN  | OUT          | OFF / OUT      |
| Diel         Die 23 8.8 (Die Lenges)         Ort.         Ort.         Ort.         Die 3. Die 3.         Die 3. Die 3.         Die 3. <thdie 3.<="" th=""> <thdie 3.<="" th="">         Die 3.<td>012</td><td>Centaur Home</td><td>Home ROM by Oliver O.</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td><td>ON</td><td>ON</td><td>IN</td><td>OUT</td><td>OFF / OUT</td></thdie></thdie>   | 012    | Centaur Home    | Home ROM by Oliver O.  | ON   | ON  | ON  | ON  | OFF | OFF | ON  | ON  | IN  | OUT          | OFF / OUT      |
| ml <td>013</td> <td>Cybernaut</td> <td>DIP 25 &amp; 26 ON for freeplay</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>OFF</td> <td>OFF</td> <td>ON</td> <td>OFF</td> <td>IN</td> <td>OUT</td> <td>OFF / OUT</td>   | 013    | Cybernaut       | DIP 25 & 26 ON for freeplay  | ON   | ON  | ON  | ON  | OFF | OFF | ON  | OFF | IN  | OUT          | OFF / OUT      |
| Image         Sympatic Association Section Sec   | 014    | Dolly           | DIP 25 & 26 ON for freeplay. DIP21 ON for 7 digit display.                   | ON   | ON  | ON  | ON  | OFF | OFF | OFF | ON  | IN  | OUT          | OFF / OUT      |
| Internation         OP # & A cold for manay         OP # A cold for for for # Cold for for # Cold for for # Cold for # C  |        |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| 1011011010110   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| International         New Bord by Grane C.         ON   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| Betwein         PF B & B          Desk D          OPE         AD         AD        AD         AD <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></t<>  |        |                 |  |  |     |     |     |     |     |     |     |     | -            |                |
| GenMore indexMore index in framewayMore indexMore index  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| Sec         Sec <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>1</td> <td></td>  |        |                 |  |  |     |     |     |     |     | -   |     |     | 1            |                |
| model         momes         Stable Norte Nergany         CNI         CNI <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>  |        |                 | · · · · · · · · · · · · · · · · · · ·  |  |     |     |     |     |     |     |     |     |              |                |
| max         data         Der         Sta< NO. N. Fersel, PP 75, NO. V. Fersel, Parola         ON.  |        |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| Dir         Dir <thdir< th=""> <thdir< th=""> <thdir< th=""></thdir<></thdir<></thdir<>  |        |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| Image         Dup 24 a to Other Berging, DP2 (ON INT 7 dig datalgy,<br>DP2 4.0. Set Other Feesging, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 (ON INT 7 dig datalgy,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. Not Mergang, DP2 4.8. 10. Not Mergang,<br>DP2 4.8. 10. |        |                 |  |  | ON  | ON  | OFF | OFF | ON  | ON  | OFF | IN  | -            | OFF / OUT      |
| Diam         Diam <thdiam< th="">         Diam         Diam         <thd< td=""><td></td><td></td><td></td><td>ON</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>IN</td><td>OUT</td><td>OFF / OUT</td></thd<></thdiam<>  |        |                 |  | ON   | ON  | ON  | OFF | OFF | ON  | OFF | ON  | IN  | OUT          | OFF / OUT      |
| Dim         Dim Stagger         Dim 2 & 20 CM to freedy         CM         OM         OM        OM         OM         OM  | 027    | Future Spa      | DIP 25 & 26 ON for freeplay. DIP21 ON for 7 digit display.                   | ON   | ON  | ON  | OFF | OFF | ON  | OFF | OFF | IN  | OUT          | OFF / OUT      |
| Dial         Org. of State         DP 25 at 20 More Strengty         ON         ON         ON         OFT         OFT        OFT         OFT <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td>OFF / OUT</td></th<>  |        |                 |  |  |     |     |     | -   | -   |     |     |     |              | OFF / OUT      |
| One         One         One         One         OFF         OFF         OFF         N         OFF         N         OFF         N         OFF         OFF         OFF         N         OFF         OFF         N         OFF         N         OFF         N         OFF         OFF         N         O <ff< th="">         N         O<ff< th="">         O<ff< th="">         N         O<ff< th="">         O<ff< th="">         O<ff< th="">         N         O<ff< th="">         O<ff< th="">         O<ff< th="">         N         O<ff< th="">         N         O<ff< th="">         N         O<ff< th="">         O<ff< th="">         N         O<ff< th="">         O<ff< th="">        O<ff< th="">        O<ff< th="">        &lt;</ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<></ff<>  |        | Hotdoggin'      | DIP 25 & 26 ON for freeplay. DIP27 OFF for reset letters at EOB              |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| 102         Sub 7.20g1         7.Dig dialogues, No Freeday         CN         ON  |        |                 |  |  |     |     |     |     |     |     |     |     | -            | OFF / OUT      |
| 033         0.02 Works         OP 17, 18, 18 ON to Freegay         ON  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 154       Merodias       Dif 25 & 22 of 10x freeging/       CNL       ONL       OPF  |        | *               |  |  |     |     |     |     |     | -   |     |     | 1            |                |
| 055         Ive and the Pacunan         ONL  |        |                 |  |  |     |     |     |     |     |     |     |     | 1            |                |
| 056         Myraic         Dis 28 & 20 (bto freeping). Dis 7: 00 for 7 ogs display.         ON         ON </td <td></td>   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 017         Nino Gound Shaker         Dip 28 & 20 Mote freepsing, Dip 21 Mote 7 dig display,         ON         OFF         O   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 038         Person         017         0.17         0.07 <th< td=""><td></td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>   |        | ,               |  |  |     |     |     |     |     |     |     |     |              |                |
| Dip         Paragon 7-Digit         TOgle Displays No Frequiny         ON         ON         OFF         ON         ON         N         OUT         OFF/CUT           041         Paradon 2000         PT 28.8 20 No Trenginy         ON         ON         OFF  |        |                 |  |  |     |     |     | -   |     |     |     |     |              | OFF / OUT      |
| 11         Paylog 7-Digt         Digt Digstay, Np Freegly.         ON         OFF         ON         ON <t< td=""><td>039</td><td>Paragon 7-Digit</td><td>7 Digit Displays. No Freeplay</td><td>ON</td><td>ON</td><td>OFF</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>IN</td><td>OUT</td><td>OFF / OUT</td></t<>  | 039    | Paragon 7-Digit | 7 Digit Displays. No Freeplay  | ON   | ON  | OFF | ON  | ON  | OFF | OFF | OFF | IN  | OUT          | OFF / OUT      |
| 1942         Roling Stores         0P1 #3 & 20 M for frequity. DP1 ON for rigid display.         ON         OFF         OFF         ON         OFF         ON         OFF         OFF         ON         OFF   | 040    | Playboy         | DIP 17, 18 & 19 ON for freeplay  | ON   | ON  | OFF | ON  | OFF | ON  | ON  | ON  | IN  | OUT          | OFF / OUT      |
| 133         Sinerball Mania         DIP 28 28 ON for freepisy.         ON         ON         OFF         ON         ON         OFF         OFF         ON         ON         OFF         OFF         ON         ON         OFF         ON         OFF         ON         OFF         ON <td>041</td> <td>Playboy 7-Digit</td> <td>7 Digit Displays. No Freeplay</td> <td>ON</td> <td>ON</td> <td>OFF</td> <td>ON</td> <td>OFF</td> <td>ON</td> <td>ON</td> <td>OFF</td> <td>IN</td> <td>OUT</td> <td>OFF / OUT</td>   | 041    | Playboy 7-Digit | 7 Digit Displays. No Freeplay  | ON   | ON  | OFF | ON  | OFF | ON  | ON  | OFF | IN  | OUT          | OFF / OUT      |
| 1044         Stateball         DIP 2.8.32 ON for freegly, Improvalantaring dip 30m, OFF         ON         ON         OFF   |        | Rolling Stones  | DIP 25 & 26 ON for freeplay. DIP21 ON for 7 digit display.                   |  |     |     |     |     |     |     |     | IN  |              | OFF / OUT      |
| 145         Stateball Home         DIP 2.8 32 ON for freegly. DP21 ON to 7 dig dig bigs.         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         OFF         ON         ON         OFF         OFF         ON         ON         ON         OFF         ON         OFF         ON         ON         OFF         ON         OFF         ON         OFF         ON         OFF         ON         OFF         ON   |        |                 |  |  |     |     |     |     |     |     |     |     | -            | OFF / OUT      |
| 1946         Space Invaders         DP 25 A2 20 Nb or freeglay.         ON         OFF         ON         OFF  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 197         Speakaasy A Player         DIP 28.4 20 ON for freeglay         ON         OFF  |        |                 |  |  |     |     |     |     |     | -   |     |     | 1            |                |
| 1948         Speaksay 2 Payer         DIP 28 & 20 N for freeplay         ON         OFF         ON         ON         ON         OFF         ON         ON         OTF         ON         ON         OTF         OTF         OT         ON         OT         OTF         OTF         OT         ON         ON         OT         OTF   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 194         Spectrum         OPF 28 26 ON for freeplay         ON         OPF 0         ON         OPF 0         N         OUT         OPF 100           650         Spectrum         DIP 28 & 26 ON for freeplay         ON         ON         OPF 0         OPF 0         ON         OPF 0   |        | . , ,           |  |  |     |     |     |     |     |     |     |     |              |                |
| Spectrum Home         Home ROM by Oliver 0.         ON         ON         ON         ON         ON         ON         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         OFF         ON         <  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| Spy Humter         DIP 28, 82 00 for freeglay.         ON         ON         ON         OFF         ON         ON         ON         OFF         ON         ON         OFF         OFF         ON         ON   |        |                 |  |  |     |     |     |     |     |     |     |     | -            |                |
| 192         Star Trek         DIP 17, 18 & 19 O Mor freeglay         ON         OPF         OPF         ON         ON         OPF         ON         ON         OPF         ON         ON         OPF         OPF         ON         ON         OPF         OPF         ON         ON         OPF         OPF         ON         ON         OPF         ON         ON         ON         OPF         OPF         ON         ON         OPF         OPF         ON         ON         OPF         OPF         ON         ON         OPF         OPF  |        |                 |  |  | ON  |     | OFF |     |     |     |     |     |              | OFF / OUT      |
| Supersonic         DIP 7, 18, 18 0 N for freeplay         ON         ON         OFF         OFF         ON         OFF         ON         ON         OPF         OFF         ON         ON         OFF         OFF         ON         ON         OUT         OFF         OFF         OUT         OFF         OUT         OFF         OFF         ON         ON         OPF         OFF         ON         ON         OPF         OFF         ON         ON         OPF         OFF         ON         OPF         OPF         ON <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>1</td><td>OFF / OUT</td></t<>  |        |                 |  |  |     |     |     | 1   |     |     |     |     | 1            | OFF / OUT      |
| Supersonic         7 Digit Digitarys. No Freeplay         ON         OFF         OFF         OFF         OFF         OFF         ON         OUT         OFF / OUT           056         The Six Million Dolar Man         Dip 17, 18. & 19 ON for freeplay. DIP31 must be OFF.         ON         ON         OFF         OFF         OFF         ON         ON <t< td=""><td>053</td><td>Star Trek</td><td>7 Digit Displays. No Freeplay</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>IN</td><td>OUT</td><td>OFF / OUT</td></t<>   | 053    | Star Trek       | 7 Digit Displays. No Freeplay  | ON   | ON  | OFF | OFF | ON  | OFF | ON  | OFF | IN  | OUT          | OFF / OUT      |
| 166         The Six Million Dollar Man         DI 77, 18 & 19 O Mor freeplay. DIP31 must be OFF.         ON         ON         OFF         OFF         OFF         ON         OFF         OFF         OFF         ON         ON         ON         ON         ON         OFF         OFF         OFF         ON         ON         ON         ON         ON         OFF         OFF         OFF         OFF         ON         ON         ON         OFF         ON   | 054    | Supersonic      | DIP 17, 18 & 19 ON for freeplay  | ON   | ON  | OFF | OFF | ON  | OFF | OFF | ON  | IN  | OUT          | OFF / OUT      |
| 057         The Six Million Dollar Man         7 Digit Displays, No Freeplay         ON         ON         OFF         OFF         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         OFF         OFF         OFF         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         ON         OFF         ON   | 055    | Supersonic      |  | ON   | ON  | OFF | OFF | ON  | OFF | OFF | OFF | IN  | OUT          | OFF / OUT      |
| DES         Vector         DIP 25 & 20 Nt or freeplay         ON         ON         OFF         OFF         ON         OFF         OFF         ON         OFF         OFF         OFF         OFF         OFF         OFF         ON         OFF         OFF         OFF         ON         OFF         OFF         ON         ON         OFF         OFF         ON         ON         OFF         OFF         ON         OFF         IN<         OUT         OFF         OFF         OFF         OFF         ON         ON         OFF         OFF         OFF         ON         ON         OFF         OFF         ON         OFF         ON         ON         OFF         OFF         ON         ON   |        |                 | DIP 17, 18 & 19 ON for freeplay. DIP31 must be OFF.                          |  |     |     |     |     |     |     |     | IN  |              | OFF / OUT      |
| 059         Vector Home         Home ROM by Oliver 0.         ON         ON         OFF         ON         OFF         ON         OFF         ON  |        |                 |  | -  |     |     |     |     |     |     |     |     | 1            | OFF / OUT      |
| 060         Viking         DIP 25 & 26 ON for freeplay. DIP 21 ON for 7 digit display.         ON         ON         OFF         OFF         OFF         ON         ON         ON         OFF         OFF         OFF         ON         ON         ON         OFF         OFF         OFF         OFF         ON         OPF         OFF         OFF <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>OFF / OUT</td></th<>  |        |                 |  |  |     |     |     |     |     |     |     |     | 1            | OFF / OUT      |
| 061         Voltan Escapes Cosmic Doom         DIP 17, 18 & 19 ON for freeplay         ON         ON         OFF         OFF         OFF         OFF         OFF         ON         OFF         IN         OUT         OFF / OUT           062         Voltan Escapes Cosmic Doom         DIP 25 & 26 ON for freeplay         ON         ON         ON         OFF   |        |                 |  |  |     |     |     | •   | -   |     |     |     | -            |                |
| 062         Voltan Escapes Cosmic Doom         7 Digit Displays, No Freeplay         ON         ON         OFF         OF  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 063         X's and O's         DIP 28 & 28 ON for freeplay         ON         ON         OFF         ON  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 064         Xenon         DIP 25 & 26 ON for freeplay         ON         OFF         ON  |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| STERN MPU-100         REPLACING STERN MPU-100         DIP-4         DIP-7         DIP-6         DIP-5         DIP-4         DIP-2         DIP-1         B1         S1         DIP-1 TO DIP-0           066         Cosmic Princess         DIP 20 ON for Freeplay, Credit Display Always On.         ON         OFF         ON         ON         ON         ON         ON         ON         OFF         ON         O  |        |                 |  | -  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| 065         Cosmic Princess         DIP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         OFF         ON         ON         ON         ON         ON         OFF         ON         ON <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>DIP-1 TO DIP-4</td></th<>   |        |                 |  |  |     |     |     |     |     |     |     |     | 1            | DIP-1 TO DIP-4 |
| Defa         DiP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         ON         ON         ON         OFF         ON         ON         ON         OFF         ON         OFF         ON  | 065    |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| 067         Hot Hand         DIP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         ON         ON         ON         ON         ON         OFF         ON         ON         ON         OFF         ON         ON         ON         ON         ON         OFF         ON         OFF         ON   |        |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| 065MagicSame ROM as Cosmic PrincessONOFONONONONONOFFINOUTOFF/OUT069Memory LaneDIP 20 ON for Freeplay, Credit Display Always On.ONOFFONONONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONOFFONONONONOFFONONONOFFONONONONOFFONONONONOFFONONONONONOFFONONONONONONONONONOFFONONONONONONONONONONONONONON </td <td>067</td> <td>Hot Hand</td> <td></td> <td>ON</td> <td>OFF</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>OFF</td> <td>OFF</td> <td>IN</td> <td>OUT</td> <td>OFF / OUT</td>  | 067    | Hot Hand        |  | ON   | OFF | ON  | ON  | ON  | ON  | OFF | OFF | IN  | OUT          | OFF / OUT      |
| 069         Memory Lane         DIP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         ON         OFF         ON         OFF         ON         OFF         ON         OFF         ON         OFF         ON         OFF         ON   |        | Lectronamo      |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| 068NugentSame ROM as LectronamoONOFFONONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONONOFFONOFFONONOFFONONOFFOFFONONOFFOFFONONOFFOFFONONOFFOFFONONOFFOFFONONOFFOFFONONOFFOFFONONONOFFOFFONONONOFFONONONOFFONONONOFFONONONONOFFONONONOFFONONONONOFFONONONONOFFONONONONOFFONONONONOFFONONONONONONOFFONONONONOFFONONONONOFFON  |        |                 |  |  |     |     |     | -   |     |     |     |     | 1            | OFF / OUT      |
| O70         Pinball         DIP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         ON         OFF         OFF         ON         ON   |        |                 |  |  |     |     |     | -   | -   |     |     |     |              | OFF / OUT      |
| 071         Stars         DIP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         ON         ON         OFF         OFF         OFF         OFF         OFF         OFF         OFF         OFF         ON         ON         OFF         OFF         OFF         OFF         OFF         ON         ON         OFF         ON         ON         ON         ON         ON         ON         OFF         ON  |        |                 |  |  |     |     |     |     |     |     |     |     |              | OFF / OUT      |
| O70         Stingray         Same ROM as Pinball         ON         OFF         ON         ON         OFF         OFF         ON         OFF         ON         OFF         ON         OFF         ON   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 072         Trident         Factory Modified ROM P11A. Unknown changes. No Freeplay.         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 073         Trident         DIP 20 ON for Freeplay. Credit Display Always On.         ON         OFF         ON         ON <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| Obs         Wild Fyre         Same ROM as Dracula         ON         OFF         ON         ON         ON         ON         OFF         ON         IN         OUT         OFF/OUT           STERN MPU-200         REPLACING STERN MPU-200         DIP-3         DIP-3         DIP-3         DIP-3         DIP-3         DIP-3         DIP-3         DIP-3         DIP-3         DIP-1         B1         S1         DIP-1 TO DIP-1         DIP-3         Ali         Stock ROM. No Freeplay         ON         OFF         ON         ON         OFF         ON         ON         ON         ON         ON         ON   |        |                 |  | -  |     |     |     |     |     |     |     |     |              |                |
| STERN MPU-200         REPLACING STERN MPU-200         DIP-8         DIP-7         DIP-6         DIP-3         DIP-2         DIP-1         B1         S1         DIP-1 TO DIP-1           074         Ali         Stock ROM. No Freeplay         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         ON         OFF         ON   |        |                 |  |  |     |     |     | -   | -   |     |     |     |              |                |
| 074         Ali         Stock ROM. No Freeplay         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON </td <td></td> <td>DIP-1 TO DIP-4</td>   |        |                 |  |  |     |     |     |     |     |     |     |     |              | DIP-1 TO DIP-4 |
| 075         Ali         Always Freeplay         ON         OFF         ON         OFF         ON         OFF         OUT         IN         ON/IN           076         Big Game         Stock ROM. No Freeplay         ON         OFF         ON         OFF         ON         OFF         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OFF         ON         ON         OVT         IN         ON/IN           077         Big Game         Always Freeplay         ON         OFF         ON         ON         OFF         ON         OFF         OUT         IN         ON/IN           078         Catacomb         Stock ROM. No Freeplay         ON         OFF         ON         OFF         OFF         ON         OUT         IN         ON/IN   | 074    |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 076         Big Game         Stock ROM. No Freeplay         ON         OFF         ON         ON         OFF         ON         ON         OUT         IN         ON/IN           077         Big Game         Always Freeplay         ON         OFF         ON         ON         OFF         ON         OFF         ON         OFF         OUT         IN         ON/IN           078         Catacomb         Stock ROM. No Freeplay         ON         OFF         ON         OFF         ON         OFF         OUT         IN         ON/IN           078         Catacomb         Stock ROM. No Freeplay         ON         OFF         ON         OFF         OFF         ON         OUT         IN         ON/IN   |        |                 |  |  |     |     |     |     |     |     |     |     |              |                |
| 077         Big Game         Always Freeplay         ON         OF         ON         OFF         ON         OFF         OUT         IN         ON / IN           078         Catacomb         Stock ROM. No Freeplay         ON         OFF         ON         OFF         OFF         ON         OUT         IN         ON / IN  |        |                 |  | -  |     |     |     |     |     | -   |     |     |              |                |
|  |        |                 |  | -  |     |     |     |     |     |     |     |     | IN           |                |
| 079         Catacomb         Always Freeplay         ON         OFF         ON         OFF         OFF         OFF         OUT         IN         ON / IN  |        | Catacomb        | Stock ROM. No Freeplay   | ON   | OFF | ON  | ON  | OFF | OFF | OFF |     | OUT | IN           | ON / IN        |
|  | 079    | Catacomb        | Always Freeplay  | ON   | OFF | ON  | ON  | OFF | OFF | OFF | OFF | OUT | IN           | ON / IN        |

| # DEC.    | GAME                               | NOTES  |          |          | GAME S    | SELCTIO  | N DIP SW  | TCH S5     |          |            | CPU CLOC    | K JUMPERS     | RAM WIDTH S6   |
|-----------|------------------------------------|--|----------|----------|-----------|----------|-----------|------------|----------|------------|-------------|---------------|----------------|
|           |                                    |  | A20      | A19      | A18       | A17      | A16       | A15        | A14      | A13        | .5Mhz       | .895Mhz       | D0-D4          |
|           | STERN MPU-200                      | REPLACING STERN MPU-200  | DIP-8    | DIP-7    | DIP-6     | DIP-5    | DIP-4     | DIP-3      | DIP-2    | DIP-1      | B1          | S1            | DIP-1 TO DIP-4 |
| 080       | Cheetah                            | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | ON        | ON         | ON       | ON         | OUT         | IN            | ON / IN        |
| 081       | Cheetah                            | Stock ROM. B16 version. No Freeplay  | ON       | OFF      | ON        | OFF      | ON        | ON         | ON       | OFF        | OUT         | IN            | ON / IN        |
| 082       | Cheetah                            | Always Freeplay  | ON       | OFF      | ON        | OFF      | ON        | ON         | OFF      | ON         | OUT         | IN            | ON / IN        |
| 083       | Cheetah Home                       | Only one collect bonus per ball.   | ON       | OFF      | ON        | OFF      | ON        | ON         | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 084       | Dragonfist                         | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | ON        | OFF        | ON       | ON         | OUT         | IN            | ON / IN        |
| 085       | Dragonfist                         | Always Freeplay  | ON       | OFF      | ON        | OFF      | ON        | OFF        | ON       | OFF        | OUT         | IN            | ON / IN        |
|           | Dragonfist Home                    | Bonus X advance bug fix. No Freeplay.                                      | ON       | OFF      | ON        | OFF      | ON        | OFF        | OFF      | ON         | OUT         | IN            | ON / IN        |
| 087       | Flight 2000                        | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | ON        | OFF        | OFF      | OFF        | OUT         | IN            | ON / IN        |
|           | Flight 2000                        | Always Freeplay  | ON       | OFF      | ON        | OFF      | OFF       | ON         | ON       | ON         | OUT         | IN            | ON / IN        |
| 089       | Freefall                           | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | OFF       | ON         | ON       | OFF        | OUT         | IN            | ON / IN        |
| 090       | Freefall                           | Always Freeplay  | ON       | OFF      | ON        | OFF      | OFF       | ON         | OFF      | ON         | OUT         | IN            | ON / IN        |
| 091       | Galaxy                             | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | OFF       | ON         | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 092       | Galaxy                             | Always Freeplay  | ON       | OFF      | ON        | OFF      | OFF       | OFF        | ON       | ON         | OUT         | IN            | ON / IN        |
| 093       | Iron Maiden                        | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | OFF       | OFF        | ON       | OFF        | OUT         | IN            | ON / IN        |
| 094       | Iron Maiden                        | Always Freeplay  | ON       | OFF      | ON        | OFF      | OFF       | OFF        | OFF      | ON         | OUT         | IN            | ON / IN        |
| 095       | Lightning                          | Stock ROM. No Freeplay   | ON       | OFF      | ON        | OFF      | OFF       | OFF        | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 096       | Lightning                          | Always Freeplay  | ON       | OFF      | OFF       | ON       | ON        | ON         | ON       | ON         | OUT         | IN            | ON / IN        |
| 097       | Meteor                             | Stock ROM. No Freeplay. Factory stack overflow bug fix                     | ON       | OFF      | OFF       | ON       | ON        | ON         | ON       | OFF        | OUT         | IN            | ON / IN        |
| 098       | Meteor 7 Digit                     | V24 7 Digit Displays   | ON       | OFF      | OFF       | ON       | ON        | ON         | OFF      | ON         | OUT         | IN            | ON / IN        |
| 099       | Meteor Divide by 10                | Scoring divided by ten. No Freeplay  | ON       | OFF      | OFF       | ON       | ON        | ON         | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 100       | Meteor Free                        | Always Freeplay  | ON       | OFF      | OFF       | ON       | ON        | OFF        | ON       | ON         | OUT         | IN            | ON / IN        |
| 101       | Nine Ball                          | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | ON       | ON        | OFF        | ON       | OFF        | OUT         | IN            | ON / IN        |
| 102       | Nine Ball                          | Always Freeplay  | ON       | OFF      | OFF       | ON       | ON        | OFF        | OFF      | ON         | OUT         | IN            | ON / IN        |
| 103       | Orbitor One                        | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | ON       | ON        | OFF        | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 104       | Orbitor One                        | Always Freeplay  | ON       | OFF      | OFF       | ON       | OFF       | ON         | ON       | ON         | OUT         | IN            | ON / IN        |
| 105       | Orbitor One                        | No minimum game time. Always Freeplay                                      | ON       | OFF      | OFF       | ON       | OFF       | ON         | ON       | OFF        | OUT         | IN            | ON / IN        |
| 106       | Quicksilver                        | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | ON       | OFF       | ON         | OFF      | ON         | OUT         | IN            | ON / IN        |
| 107       | Quicksilver                        | Always Freeplay  | ON       | OFF      | OFF       | ON       | OFF       | ON         | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 108       | Seawitch                           | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | ON       | OFF       | OFF        | ON       | ON         | OUT         | IN            | ON / IN        |
| 109       | Seawitch                           | Always Freeplay  | ON       | OFF      | OFF       | ON       | OFF       | OFF        | ON       | OFF        | OUT         | IN            | ON / IN        |
| 110       | Split Second                       | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | ON       | OFF       | OFF        | OFF      | ON         | OUT         | IN            | ON / IN        |
| 111       | Split Second                       | Always Freeplay  | ON       | OFF      | OFF       | ON       | OFF       | OFF        | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 112       | Star Gazer                         | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | OFF      | ON        | ON         | ON       | ON         | OUT         | IN            | ON / IN        |
| 113       | Star Gazer                         | Always Freeplay  | ON       | OFF      | OFF       | OFF      | ON        | ON         | ON       | OFF        | OUT         | IN            | ON / IN        |
| 114       | Star Gazer Home                    | R9 Home ROM by Oliver O.   | ON       | OFF      | OFF       | OFF      | ON        | ON         | OFF      | ON         | OUT         | IN            | ON / IN        |
| 129       | Star Gazer Seymour Home V6         | Cntr drops for bot roll overs. L/R banks for spinner 10x. Bonus X halved   | OFF      | ON       | ON        | ON       | ON        | ON         | ON       | OFF        | OUT         | IN            | ON / IN        |
| 115       | Viper                              | Stock Rom. No Freeplay   | ON       | OFF      | OFF       | OFF      | ON        | ON         | OFF      | OFF        | OUT         | IN            | ON / IN        |
| 116       | Viper                              | Always Freeplay  | ON       | OFF      | OFF       | OFF      | ON        | OFF        | ON       | ON         | OUT         | IN            | ON / IN        |
|           | Bally Video and Special            | REPLACING AS-2518-133 and Conversion Kits                                  | DIP-8    | DIP-7    | DIP-6     | DIP-5    | DIP-4     | DIP-3      | DIP-2    | DIP-1      | B1          | S1            | DIP-1 TO DIP-4 |
|           | Baby Pacman                        | No freeplay.   | ON       | OFF      | OFF       | OFF      | ON        | OFF        | ON       | OFF        | IN          | OUT           | OFF / OUT      |
| 118       | Granny and the Gators              | No freeplay.   | ON       | OFF      | OFF       | OFF      | ON        | OFF        | OFF      | ON         | IN          | OUT           | OFF / OUT      |
| 119       | Grand Slam 2 Player                | DIP 25 & 26 ON for freeplay  | ON       | OFF      | OFF       | OFF      | ON        | OFF        | OFF      | OFF        | IN          | OUT           | OFF / OUT      |
| 120       | Grand Slam 4 Player                | DIP 25 & 26 ON for freeplay  | ON       | OFF      | OFF       | OFF      | OFF       | ON         | ON       | ON         | IN          | OUT           | OFF / OUT      |
| 121       | Goldball                           | No freeplay.   | ON       | OFF      | OFF       | OFF      | OFF       | ON         | ON       | OFF        | IN          | OUT           | OFF / OUT      |
| 122       | Goldball Home                      | Home ROM by Oliver O.  | ON       | OFF      | OFF       | OFF      | OFF       | ON         | OFF      | ON         | IN          | OUT           | OFF / OUT      |
|           | Mystic Star                        | No Freeplay  | ON       | OFF      | OFF       | OFF      | OFF       | ON         | OFF      | OFF        | IN          | OUT           | OFF / OUT      |
| 124       | World Defender                     | No Freeplay  | ON       | OFF      | OFF       | OFF      | OFF       | OFF        | ON       | ON         | IN          | OUT           | OFF / OUT      |
|           | Super Bowl                         | No Freeplay  | ON       | OFF      | OFF       | OFF      | OFF       | OFF        | ON       | OFF        | IN          | OUT           | OFF / OUT      |
|           | Super Bowl                         | Custom Free play ROM by Quench   | ON       | OFF      | OFF       | OFF      | OFF       | OFF        | OFF      | ON         | IN          | OUT           | OFF / OUT      |
| 127       | Saturn 2                           | No Freeplay  | ON       | OFF      | OFF       | OFF      | OFF       | OFF        | OFF      | OFF        | IN          | OUT           | OFF / OUT      |
| 128       | Midnight Mauraders                 |  | OFF      | ON       | ON        | ON       | ON        | ON         | ON       | ON         | IN          | OUT           | OFF / OUT      |
| 130-255   | TEST                               | Stern Hot Hand.  | OFF      | Х        | х         | х        | x         | X          | OFF      | OFF        | IN          | OUT           | OFF / OUT      |
|           |                                    |  |          |          |           |          |           |            |          |            |             |               |                |
| NOTES:    |                                    |  |          |          |           |          |           |            |          |            |             |               |                |
|           |                                    | tts(OUT / IN) or a DIP switch (OFF / ON)                                   |          |          |           |          |           |            |          |            |             |               |                |
|           |                                    | eed. B IN for 0.5MHz (Bally -17, -35, -133 and Stern MPU-100). S IN for 0. | 895MHz ( | Stern MP | U-200) Ju | mper shu | nt U2 Ena | ble is rem | oved whe | n the U1 e | expanded RO | M socket is u | sed.           |
| Clear aud | lits with the Test and NMI Audit ( | Clear buttons after switching games.                                       |          |          |           |          |           |            |          |            |             |               |                |
|           |                                    |  |          |          |           |          |           |            |          |            |             |               |                |

## MPU Setup Pictures https://nvram.weebly.com/mpu.html