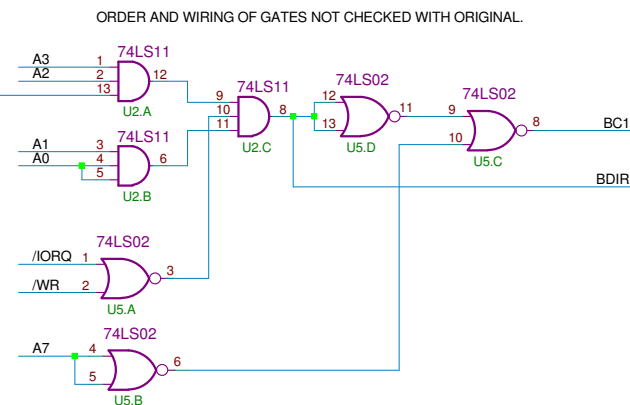
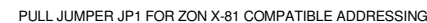
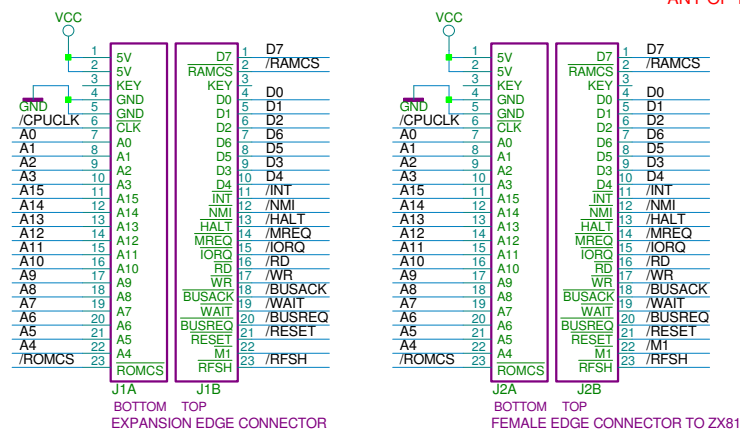


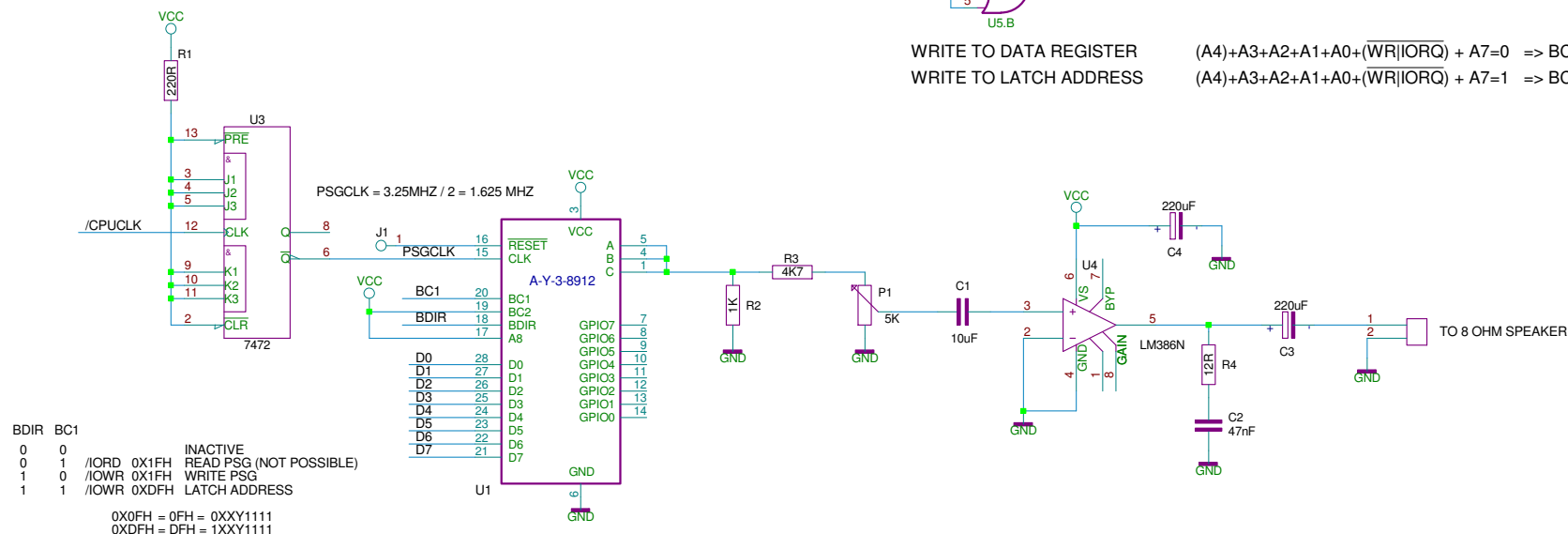
## SCHEMATIC FOR ZON X-81 AND ZON X PSG BOARD FOR THE ZX81

ANY OF THE ADDRESS LINES A0 TO A3 INDICATES THE SELECTION OF ANOTHER ZX81 PERIPHERAL SO PSG SHOULD NOT BE SELECTED  
ANY OF THE ADDRESS LINES A0 TO A4 INDICATES THE SELECTION OF ANOTHER SPECTRUM PERIPHERAL SO PSG SHOULD NOT BE SELECTED



WRITE TO DATA REGISTER  
WRITE TO LATCH ADDRESS

$$(A4)+A3+A2+A1+A0+(\overline{WR||ORQ}) + A7=0 \Rightarrow BC1=0 \text{ \& } BDIR=1$$

$$(A4)+A3+A2+A1+A0+(\overline{WR||ORQ}) + A7=1 \Rightarrow BC1=0 \text{ \& } BDIR=1$$


THE EARLIER ZON X-81 USED A DECODER WHERE A4 (Y) NEEDED TO BE 0 WHICH IS INCOMPATIBLE WITH A SPECTRUM JUMPER J1 CAN BE USED TO ADD THE REQUIREMENT THAT A4 MUST BE 1 FOR THE PSG TO BE SELECTED

1FH ACTUALLY CAN BE ANY ADDRESS FROM THE RANGE 1FH, 3FH, 5FH? OR 7FH AND FOR THE ZON X-81 ALSO 0FH, 4FH AND 6FH  
DFH ACTUALLY CAN BE ANY ADDRESS FROM THE RANGE 9FH,BFH, DFH OR FFH AND FOR THE ZON X-81 ALSO 8FH, AFH,CFH AND EFH

|                                       |                  |               |
|---------------------------------------|------------------|---------------|
| REV: 2.0                              | DATE: 14/06/2016 | ENG: MAHJONGG |
| PROJECT: ZONX PSG FOR ZX81 & SPECTRUM |                  |               |
| COMPANY: REVSPACE                     |                  |               |
| ADDRESS: SPOORLAAN 5D, 2495AL         |                  |               |
| CITY: DEN HAAG                        |                  |               |
| COUNTRY: NETHERLANDS                  |                  |               |
| INITIAL                               | 14/06/2016       | PAGE: 1 OF: 1 |