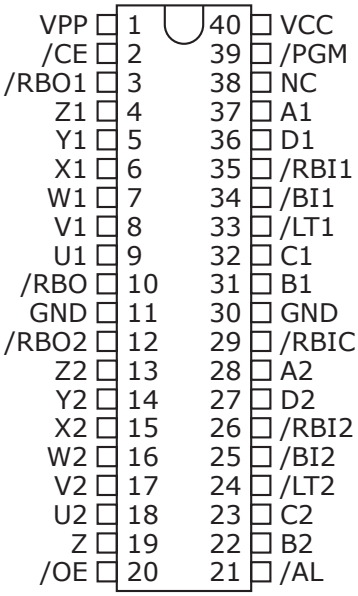
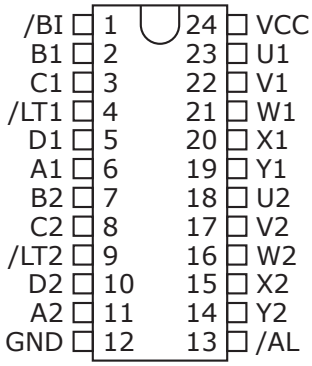
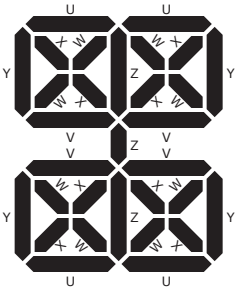
# KreativeKorp Dual BCD to Cistercian Decoder

KKHWC0003M1616
(ROM-Based)
(TOP VIEW)

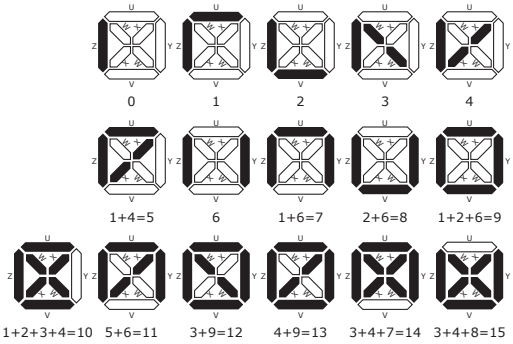



KKHWC0003L1210
(CPLD-Based)
(TOP VIEW)



Patterns as seen in top right (units) position:




| SIGNAL | DESCRIPTION |
|---|---|
| /AL | If HIGH, outputs will be HIGH when lit. If LOW, outputs will be LOW when lit. |
| /BI, /BI1, /BI2 | Blanking input. When LOW, no segments will be lit regardless of other inputs. |
| /LT1, /LT2 | Lamp test. When /BI is HIGH and /LT is low, all segments will be lit. |
| /RBI1, /RBI2 | Ripple blanking input. When A, B, C, D, and /RBI are LOW, Z will not be lit. |
| A1, A2<br>B1, B2<br>C1, C2<br>D1, D2 | Ones value (least significant bit) of BCD input.<br>Twos value of BCD input.<br>Fours value of BCD input.<br>Eights value (most significant bit) of BCD input. |
| U1, U2<br>V1, V2<br>W1, W2<br>X1, X2<br>Y1, Y2 | Output for outer orthogonal segment; a numeric value of 1. (See diagram.)<br>Output for inner orthogonal segment; a numeric value of 2. (See diagram.)<br>Output for diagonal segments; a numeric value of 3. (See diagram.)<br>Output for antidiagonal segments; a numeric value of 4. (See diagram.)<br>Output for parallel segment; a numeric value of 6. (See diagram.) |
| /RBO1, /RBO2 | Ripple blanking output. HIGH when BCD input is nonzero or /RBI is HIGH. |
| Z1, Z2 | Output for center segment. Lit when BCD input is nonzero or /RBI is HIGH. |
| /RBIC | Ripple blanking input carry. |
| /RBO | Ripple blanking output. HIGH when any of /RBO1, /RBO2, or /RBIC is HIGH. |
| Z | Center segment. Lit when any of /RBO1, /RBO2, or /RBIC is HIGH. |

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