**PIN ASSIGNMENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Atmega328 Analog** | **Atmega328 Digital** | **MCP1** | **MCP2** | **MCP3** |
| 0: 4051 mux  1: slide  2: tie  3: velocity slider  4: MCP SDA  5: MCP SCL  6: xtra analog  7: xtra analog | 0:  1: midi out  2: osc  3: legato led  4: step 7  5: step\_3  6: rest  7: midi\_ch\_com  8: pot\_val\_com  9: 4T  10: D10 - 4051  11: MOSI  12: MISO  13: SCK (legato) | 0-15: keyboard | 0: keyboard 16  1: keyboard 17  2: arp\_led  3: oct\_up  4: oct\_down  5: shift  6: shift led  7: midi\_channel  8: xtra  9: oct led 1  10: oct led 2  11: oct led 3  12: oct led 4  13: oct led 5  14: oct led 6  15: oct led 7 | 0: MIDI Seg A  1: MIDI Seg B  2: MIDI Seg C  3: MIDI Seg D  4: MIDI Seg E  5: MIDI Seg F  6: MIDI Seg G  7: euc\_led  8: Val Seg A  9: Val Seg B  10: Val Seg C  11: Val Seg D  12: Val Seg E  13: Val Seg F  14: Val Seg G  15: Val Seg DP |