

1 C17 40 C18  
2 C16 39 C19  
3 R3 38 R4  
4 R2 37 R5  
5 R1 36 R6  
6 R0 35 R7  
7 C11 34 C10  
8 Fn Select 33 C9  
9 NUM 32 C8  
10 CAPS 31 OSC1  
11 SCROLL 30 OSC0  
12 C12 29 RESET  
13 C13 28 VSS  
14 C14 27 C7  
15 C15 26 C6  
16 VDD 25 C5  
17 V33O 24 C4  
18 USBD+/CLK 23 C3  
19 USBD-/DATA 22 C2  
20 C0 21 C1

Num Lock  
Caps Lock  
Scroll Lock

6MHz  
100kΩ  
10kΩ  
0.1μF  
0.1μF

HT82K629A

Fn\_Sel = 1 or floating: disables Mini-keyboard function  
Fn\_Sel = 0: enables Mini-keyboard function

USB CON  
VDD  
USB-  
USB+  
VSS

MCUVDD

22Ω  
33pF  
0.1μF  
0.1μF  
22Ω  
10μF  
0.01μF

The GND and VDD lines should be as wide as possible, also it is recommended that the GND and VDD lines are placed in an empty area, in order to increase their area. Wherever possible the GND plane should surround pins such as OSC1, OSC0, VDD, V330,  $\overline{\text{RESET}}$  etc and other related circuits to minimize the noise effects. The GND/VDD loop area should be minimized. Try to keep GND and VDD lines parallel.