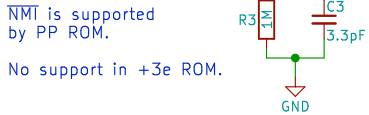


Alternatives to 74LS10 (U2): 74HC10 and 74HCT10

D1 works with CF-IDE adaptor in TrueDMA mode only.

\* P1 to be used with the ZXCF adaptor (power supply via the pin 20) otherwise shall be left on open position.

NMI is supported by PP ROM.  
No support in +3e ROM.



Note:  
J4 is used for an alternative RESET arrangement, because some CF cards (like Kingston) might not work with the transistor. For the direct connection to the IDE reset line (J4 2-3) R1 = 10k or via Q1 (J4 1-2) R1 = 100k.

**ZX Spectrum ROM selectors:**  
For PP ROM or +3e ROM (pe8 & zxcf)  
IDE DA0 = Z80 A2 (J0 1-2)  
IDE DA1 = Z80 A6 (J1 1-2)  
IDE DA2 = Z80 A7 (J2 1-2)  
  
For +3e ROM (sm8)  
IDE DA0 = Z80 A8 (J0 2-3)  
IDE DA1 = Z80 A12 (J1 2-3)  
IDE DA2 = Z80 A13 (J2 2-3)

Based on design by G. Lancaster & P. Putnik  
Compatible with +3e ROM & PPRM  
Debounced NMI button (for ZX Spectrum 16/48kB/+ & 128kB only)

Sheet: /	
File: Z80 UIDE-smd.sch	
<b>Title: ZX Spectrum Z80 8bit Universal IDE</b>	
Size: A4	Date: 2017-05-12
KiCad E.D.A. kicad 4.0.6	Rev: 1.10smd
Id: 1/1	