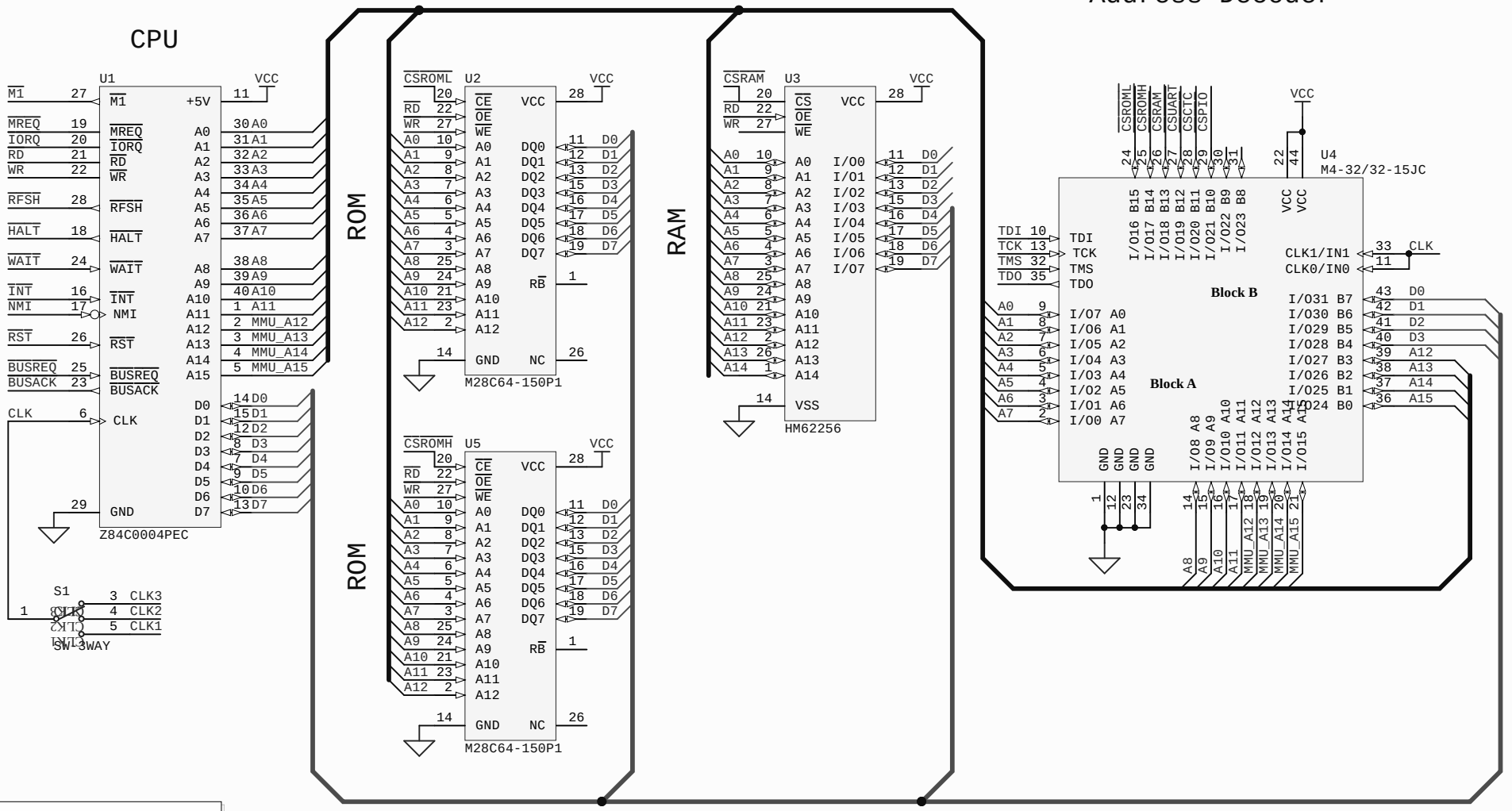

Z80 Micro Computer

Questo schema e` stato realizzato per il progetto di semestre presso la Scuola delle Arti e Mestieri di Bellinzona. Il progetto di retrocomputing consiste nell'implementazione completa di un architettura tipica per un computer con un processore Z80 dall'hardware al software.

Title: z80 Single Board Computer: Base		
Size: A4	Number:	Revision:
Date: 22.05.2017	Sheet 1 of 4	
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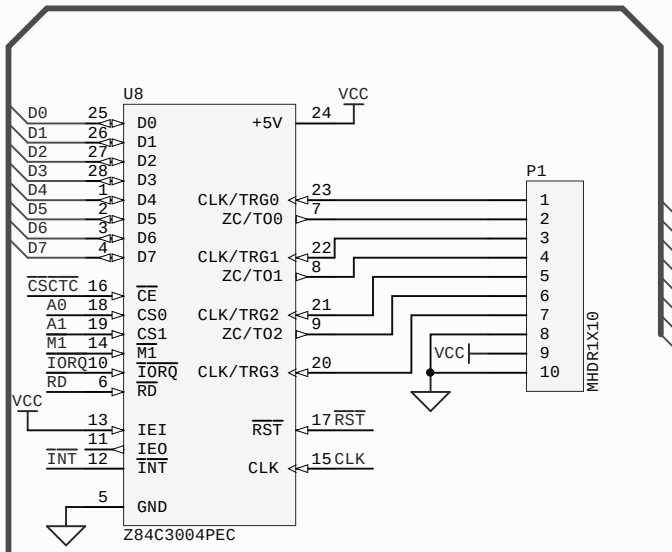
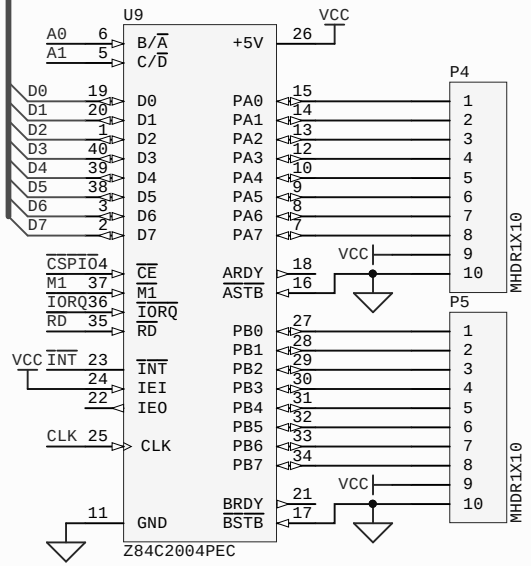
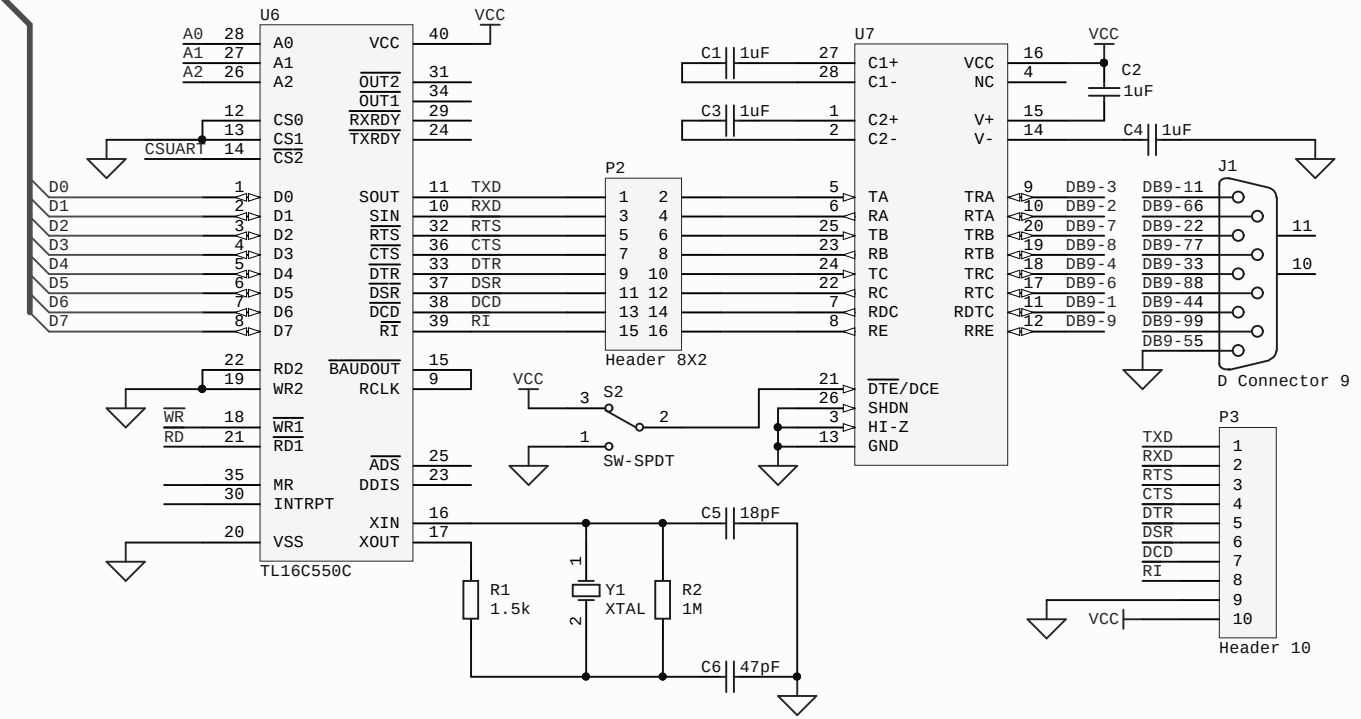
Counter Timer Circuit



Parallel I/O Controller

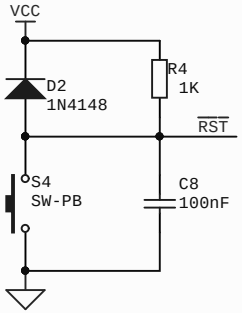


Serial Communication Device



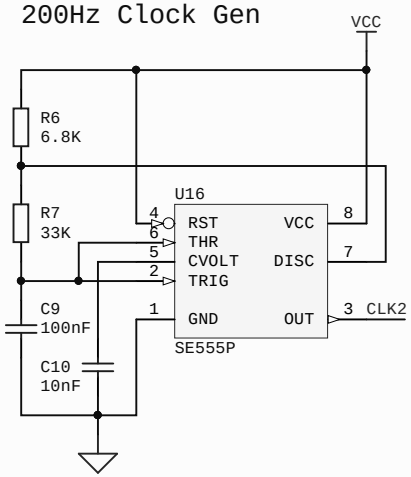
Title: z80 Single Board Computer: I/O Devices		
Size: A4	Number:	Revision:
Date: 22.05.2017	Sheet 2 of 4	
File: F:\School\..\IODevices.SchDoc	Drawn By: Naoki Pross	

Reset Circuit

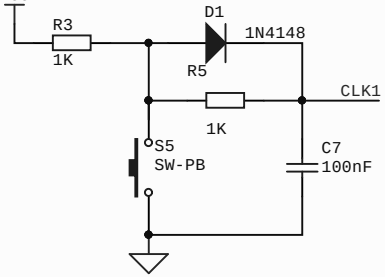


Clock Circuits

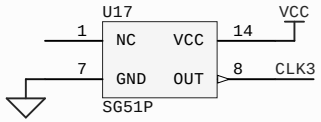
200Hz Clock Gen



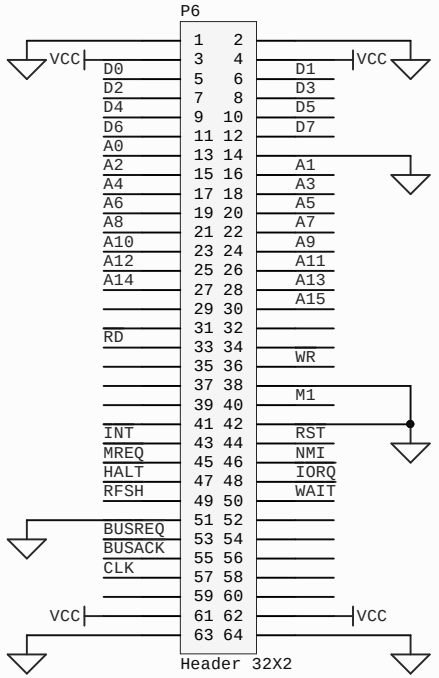
Manual Clock



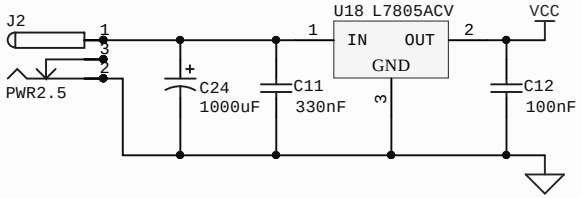
4MHz Clock XTAL



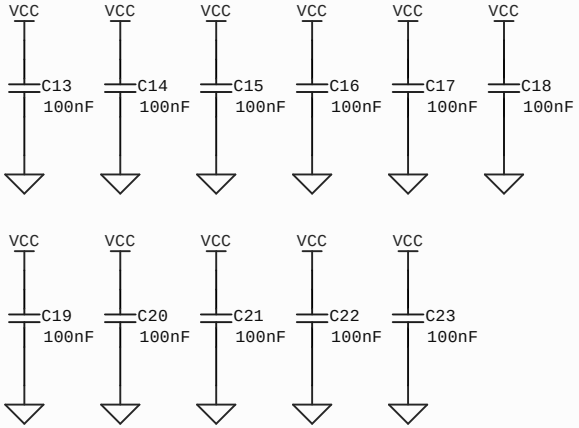
Expansion Connector (DIN41612)



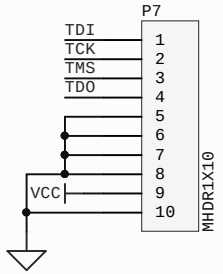
Main Power Supply



Decoupling Capacitors



Address Decoder CPLD Header



Title: z80 Single Board Computer: Peripherals		
Size: A4	Number:	Revision:
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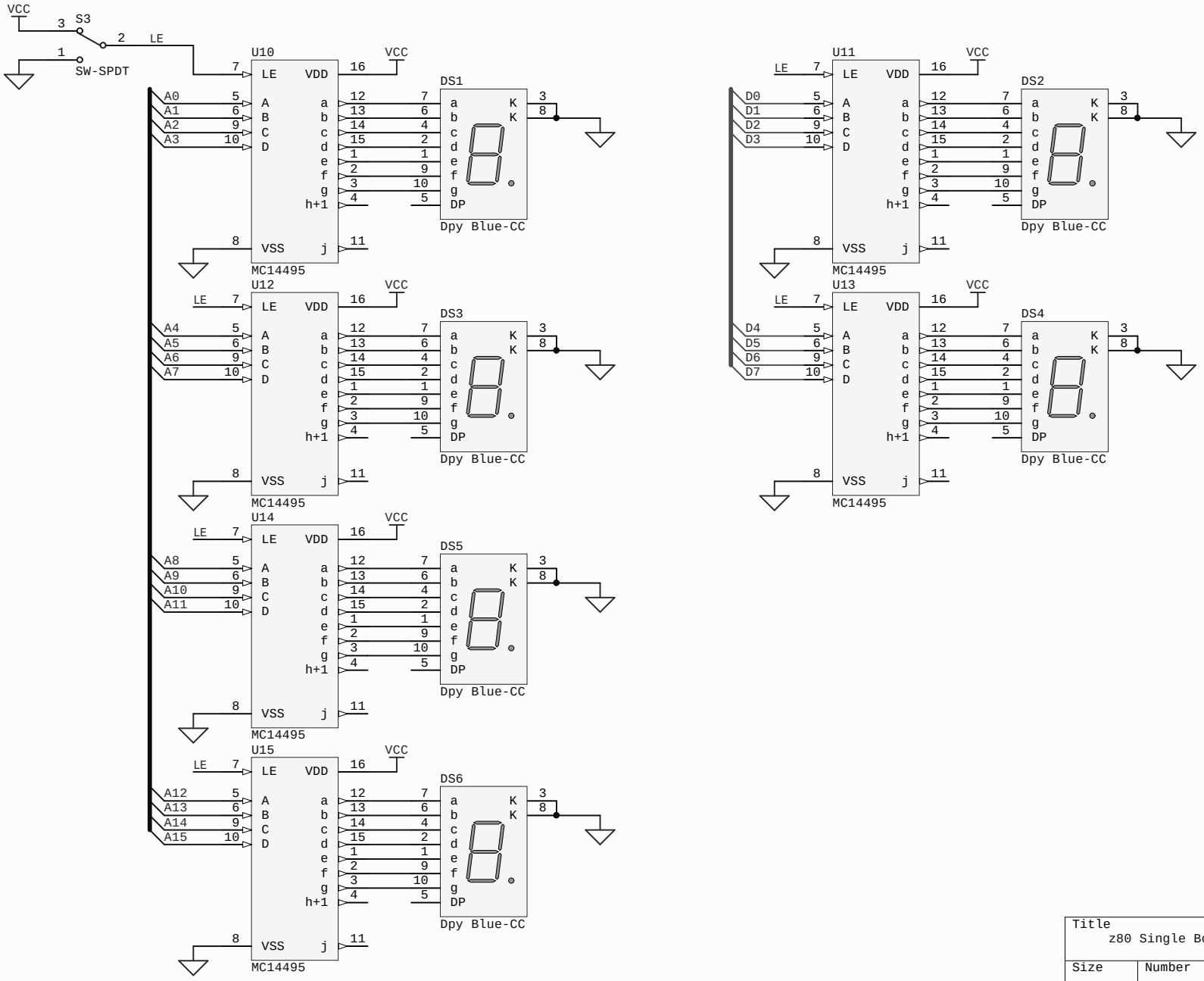
File: F:\School\..\Peripherals.SchDoc	Drawn By: Naoki Pross	



Title: z80 Single Board Computer: Bus Data Visualizer		
Size: A4	Number:	Revision:
Date: 22.05.2017	Sheet 4 of 4	
File: F:\School\..\BusViewer.SchDoc	Drawn By: Naoki Pross	