

Ref	Qty	Description	DK Part #	Jameco
U1	1	8080A Microprocessor, 40-pin DIP	-	52046
U2	1	CPLD Xilinx XC9536-10VQG44C, 44VQFP	122-1432-ND	
U3	1	Microcontroller, PIC18LF2420, 28-pin DIP	PIC18LF2420	
U4	1	RS-232 Level Shifter, Intersil HIN232ACPZ	HIN232ACPZ	
U5	1	74HC4049, level translator, 16-pin DIP	296-9211-5-ND	
D1	-	Diode, optional, SC323 package, Schottky preferred, one possible part IPS70SB20 part of local reset circuit		
R1	-	Resistor, optional, 10K, 0603, part of local reset circuit		
R2,R3, R4,R5	4	Resistor, 47K, 1/4W	47KQ	
C1,C2, C5,C6, C7,C8, C16	7	Capacitor, Ceramic, 0.1 uF 0.1" LS	BC1148CT	
C9,C10, C11,C12, C14,C15	6	Capacitor, Ceramic, 0.1 uF SMT 0603	311-1344-1	
C3,C4	2	Capacitor, Ceramic, 22 pF 50V, 0.1" LS	BC1005CT	
C13	1	Capacitor, Tantalum, 4.7 uF 10V SMT, 3216 (Line on capacitor indicates positive end)	399-3696-1	
C17	-	Capacitor, Tantalum, optional, 1.0 uF 10V SMT, 3216, part of local reset circuit (Line on capacitor indicates positive end)		
X1	1	Crystal, 10.0 MHz (only the PIC uses this)	X443	
J1	1	6-pin 0.1" Male header (Xilinx JTAG)	P/O S1011E-36	
J2	1	2x5 pin 0.1" Dual Male Header (serial opt #1)	P/O S2011E-36	
J3	1	6-pin 0.1" Male header (Serial opt #2)	P/O S1011E-36	
J4	1	2-pin 0.1" Male header (power for prog CPLD)	P/O S1011E-36	
W1-40	1	2x20 Dual-row right angle male header	S2121E-20	
DIP Plug parts:				
P1	2	DIP plug (two 20-pin gold headers)	SAM1111-20	
S1	1	Dual-row female connector, gold contacts (or possibly right-angle version, DK #S5573)	S7123	
Or use 40-pin DIP plug cable with an IDC female:				
	1	40-pin DIP plug with 6" ribbon cable	C4PXG-4006G-ND	
	1	40-pin IDC female connector	ASC40H	
Misc:				
	1	40-pin DIP socket for 8080	AE10008	
	1	16-pin DIP socket for HIN232ACP	AE9992	
	1	28-pin (0.3") DIP socket for PIC	AE10286	
	1	2x5 female IDC connector for serial cable	ASC10H	
	1	4-5' 10-cond ribbon cable for serial cable	P/O MC10G-25-ND	
	1	DB-9 female IDC connector for serial cable	CFP09S-ND (tin contacts CFP09G-ND (gold contact	

