

Ref Des	Description	Digi-Key Part #
U1	WWVBG chip (PIC16LF87-I/P)	---
U2	5V Linear Regulator, TO-92	LM78L05ACZNS
R1,R7,R10,R11	10K ohm 1/4 W 5% resistor	10KQBK
R2	47K ohm 1/4 W 5% resistor	47KQBK
R3	499 ohm 1/4 W, 1% resistor	
R4	1.18K ohm 1/4 W, 1% resistor	
R5	0 ohm jumper or voltage div w/R6	0.0QBK
R6	optional	
R8	470 ohm 1/4 W 5% resistor	470QBK
R9	0 ohm jumper or can reduce LCD contrast	0.0QBK
C1,C4,C7	0.1 uF ceramic cap, 0.1" lead spacing	BC1148CT
C2,C3	27 pF ceramic cap, 50V	BC1006CT
C5	4.7 uF 50V electrolytic capacitor	P5177
C6	optional output low-pass filter w/R5	
X1	6.00MHz crystal, ECS HC-49/U-S	
J1	not installed (for programming only)	
J2	10-pin dual row header	P/O S2011E-36 or equiv
Female IDC connector for J2:		ASC10H
10-cond ribbon cable for LCD module		